

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118739.D
 Acq On : 29 Jan 2020 18:50
 Operator : CG/JU
 Sample : L1013-12MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Manual Integrations
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mohammad
 1/30/2020 10:18:20 AM

Quant Time: Jan 30 01:08:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	281297	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1050716	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	565544	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	978786	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	626329	20.00	ng	-0.02
87) Perylene-d12	15.46	264	714798	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1886005	124.52	ng	0.00
7) Phenol-d6	6.49	99	2131111	108.26	ng	0.00
23) Nitrobenzene-d5	7.41	82	1635398	87.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	862439	131.85	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	3088908	89.77	ng	-0.01
79) Terphenyl-d14	12.95	244	3304937	115.09	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.80	88	295392	40.267	ng	# 86
3) Pyridine	3.51	79	638610	30.886	ng	99
4) n-Nitrosodimethylamine	3.43	42	336049	37.910	ng	95
6) Aniline	6.51	93	325129	12.543	ng	98
8) 2-Chlorophenol	6.64	128	876172	51.539	ng	97
9) Benzaldehyde	6.40	77	394687	32.967	ng	98
10) Phenol	6.50	94	882740	39.348	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	819146	49.214	ng	97
12) 1,3-Dichlorobenzene	6.79	146	962436	48.369	ng	99
13) 1,4-Dichlorobenzene	6.87	146	963244	48.225	ng	99
14) 1,2-Dichlorobenzene	7.02	146	890073	47.403	ng	99
15) Benzyl Alcohol	6.99	79	738499	47.306	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	945369	40.776	ng	98
17) 2-Methylphenol	7.10	107	685529	48.411	ng	99
18) Hexachloroethane	7.36	117	339767	46.911	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	567855	42.721	ng	100
20) 3+4-Methylphenols	7.26	107	779169	45.067	ng	# 83
22) Acetophenone	7.26	105	1097638	44.099	ng	97
24) Nitrobenzene	7.43	77	873297	45.403	ng	99
25) Isophorone	7.67	82	1593555	46.510	ng	100
26) 2-Nitrophenol	7.75	139	475849	58.013	ng	100
27) 2,4-Dimethylphenol	7.79	122	729660	51.515	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	988519	44.776	ng	99
29) 2,4-Dichlorophenol	7.99	162	747367	47.732	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	851445	46.899	ng	100
31) Naphthalene	8.15	128	2396957	50.500	ng	99
32) Benzoic acid	7.90	122	460134	43.286	ng	98
33) 4-Chloroaniline	8.19	127	157663	7.187	ng	97
34) Hexachlorobutadiene	8.27	225	508901	46.030	ng	99
35) Caprolactam	8.56	113	179590m	35.049	ng	
36) 4-Chloro-3-methylphenol	8.68	107	743176	48.065	ng	98
37) 2-Methylnaphthalene	8.85	142	1672819	49.930	ng	99
38) 1-Methylnaphthalene	8.95	142	1579483	49.623	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	816065	46.117	ng	99

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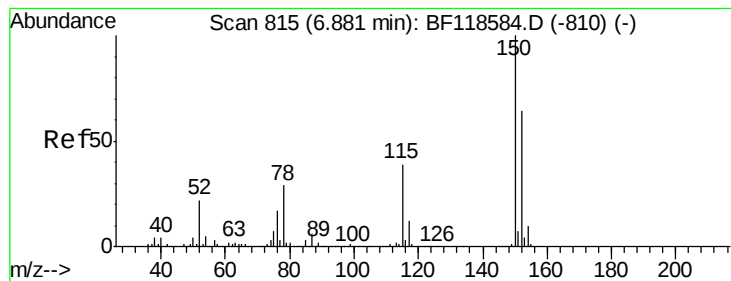
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	805422	90.213	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	578822	49.293	nq	99
44) 2,4,5-Trichlorophenol	9.16	196	589325	49.141	nq	99
46) 1,1'-Biphenyl	9.31	154	1980629	50.815	nq	99
47) 2-Chloronaphthalene	9.33	162	1604585	48.842	nq	99
48) 2-Nitroaniline	9.42	65	427838	42.365	nq	99
49) Acenaphthylene	9.75	152	2425489	52.480	nq	99
50) Dimethylphthalate	9.61	163	1935667	52.534	nq	99
51) 2,6-Dinitrotoluene	9.67	165	438932	53.199	nq	88
52) Acenaphthene	9.92	154	1635733	52.929	nq	100
53) 3-Nitroaniline	9.83	138	111733	11.860	nq	99
54) 2,4-Dinitrophenol	9.94	184	367793	111.657	nq	# 90
55) Dibenzofuran	10.09	168	2186865	51.062	nq	100
56) 4-Nitrophenol	10.00	139	601272	84.541	nq	98
57) 2,4-Dinitrotoluene	10.07	165	573035	55.092	nq	92
58) Fluorene	10.43	166	1626579	48.379	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	499946	47.397	nq	100
60) Diethylphthalate	10.31	149	1748708	48.949	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	868759	47.509	nq	98
62) 4-Nitroaniline	10.45	138	365642	37.835	nq	94
63) Azobenzene	10.59	77	1572353	45.446	nq	100
65) 4,6-Dinitro-2-methylphenol	10.48	198	277279	64.424	nq	95
66) n-Nitrosodiphenylamine	10.55	169	1501879	50.880	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	584463	48.333	nq	99
68) Hexachlorobenzene	10.99	284	657131	47.932	nq	99
69) Atrazine	11.07	200	527283	51.538	nq	100
70) Pentachlorophenol	11.17	266	693604	90.995	nq	98
71) Phenanthrene	11.40	178	2376697	50.332	nq	100
72) Anthracene	11.45	178	2454396	52.529	nq	100
73) Carbazole	11.60	167	2080178	48.537	nq	100
74) Di-n-butylphthalate	11.93	149	2482786	52.142	nq	99
75) Fluoranthene	12.58	202	2409616	48.382	nq	100
77) Benzidine	12.69	184	672239	40.170	nq	99
78) Pyrene	12.81	202	2403838	56.531	nq	100
80) Butylbenzylphthalate	13.43	149	990519	56.918	nq	99
81) Benzo(a)anthracene	14.00	228	1950797	51.777	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	288343	21.477	nq	99
83) Chrysene	14.03	228	1896668	52.525	nq	100
84) Bis(2-ethylhexyl)phthalate	13.99	149	1307369	61.490	nq	99
85) Di-n-octyl phthalate	14.60	149	2199642	69.895	nq	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	2641764	84.198	nq	100
88) Benzo(b)fluoranthene	15.04	252	2242511	49.911	nq	99
89) Benzo(k)fluoranthene	15.07	252	1828176	43.919	nq	99
90) Benzo(a)pyrene	15.40	252	1922285	49.597	nq	99
91) Dibenzo(a,h)anthracene	16.94	278	2176744	63.492	nq	99
92) Benzo(g,h,i)perylene	17.37	276	2277042	68.405	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



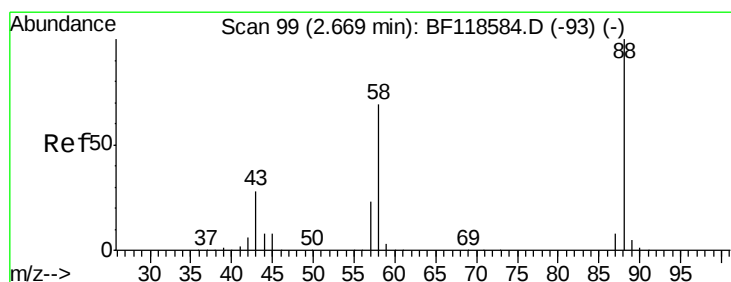
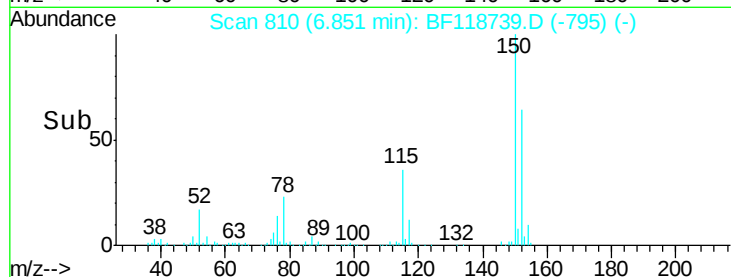
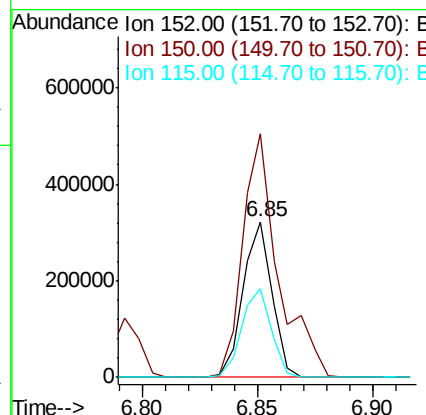
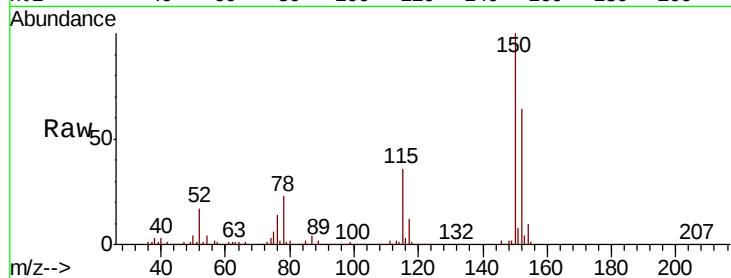
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
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 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.7	185.5
115	57.1	45.1	67.7

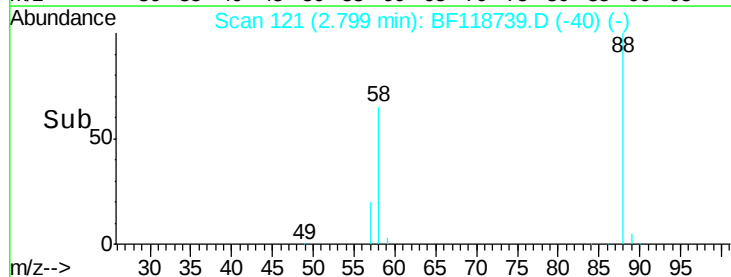
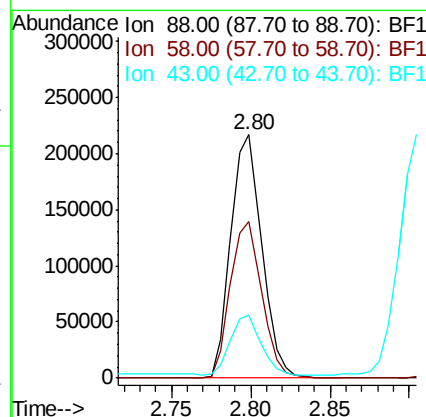
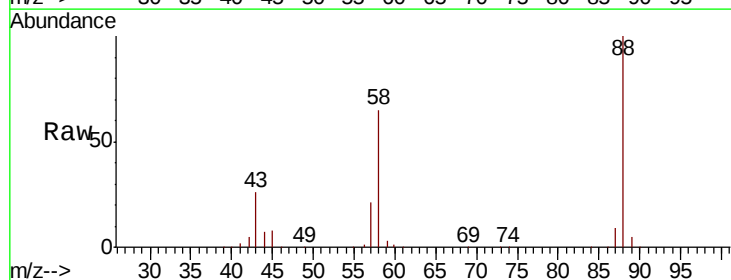
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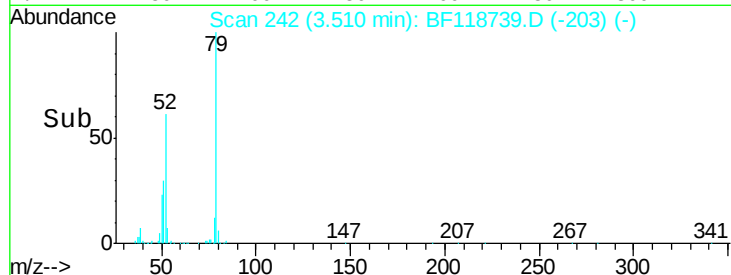
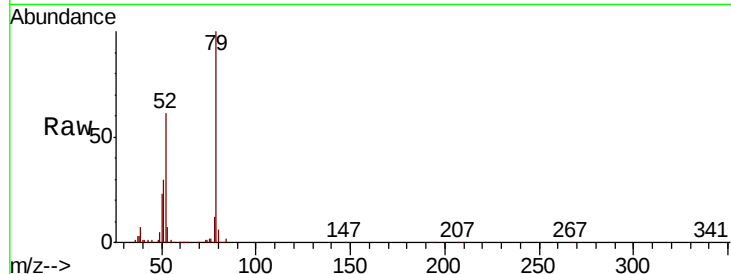
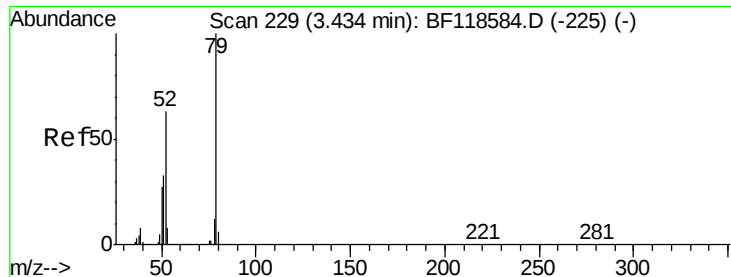
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#2
 1,4-Dioxane
 Concen: 40.267 ng
 RT: 2.80 min Scan# 121
 Delta R.T. 0.18 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.4	51.9	77.9
43	0.0	19.3	28.9





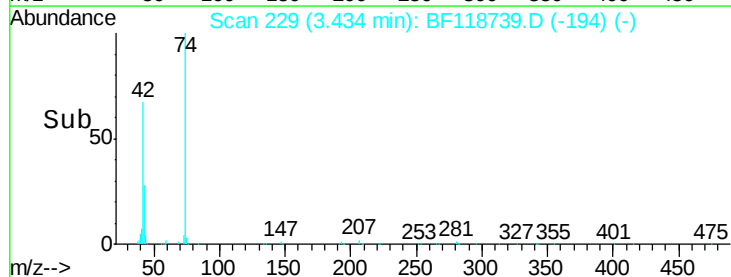
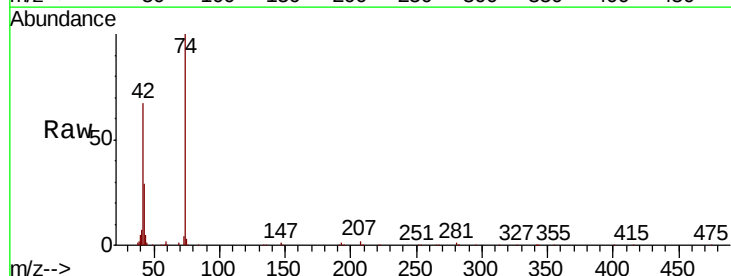
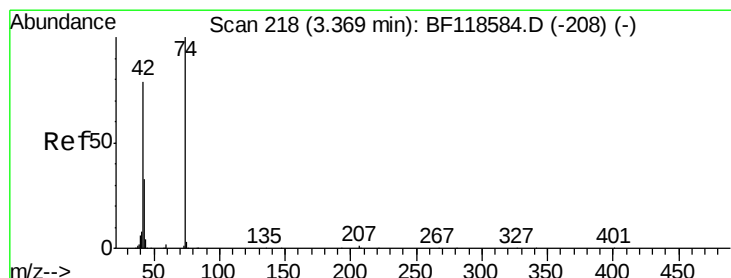
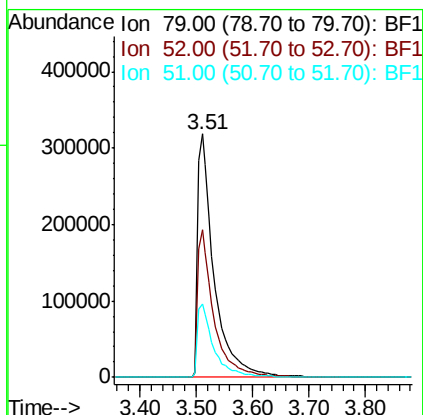
#3
 Pvridine
 Concen: 30.886 ng
 RT: 3.51 min Scan# 242
 Delta R.T. 0.13 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tot Ion	79	Resp	638610
Ion Ratio	Lower	Upper	
79	100		
52	60.6	48.8	73.2
51	30.2	24.4	36.6

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

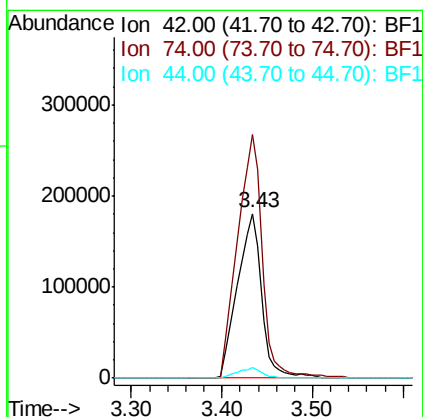
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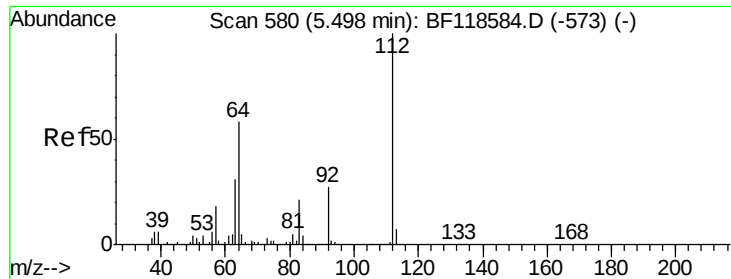
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#4
 n-Nitrosodimethylamine
 Concen: 37.910 ng
 RT: 3.43 min Scan# 229
 Delta R.T. 0.11 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion	42	Resp	336049
Ion Ratio	Lower	Upper	
42	100		
74	148.2	123.5	185.3
44	6.8	5.6	8.4





#5

2-Fluorophenol

Concen: 124.523 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:112 Resp: 1886005

Ion Ratio Lower Upper

112 100

64 56.9 42.4 63.6

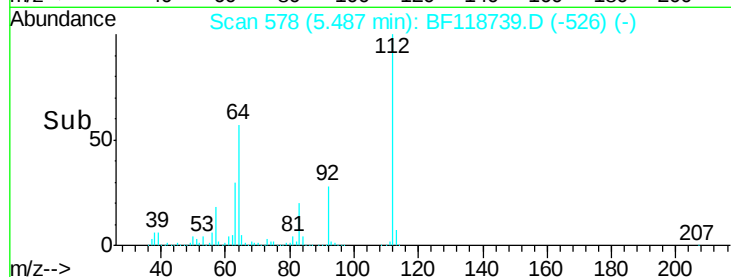
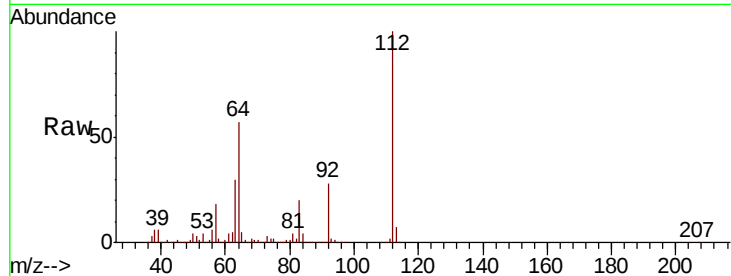
63 29.6 21.7 32.5

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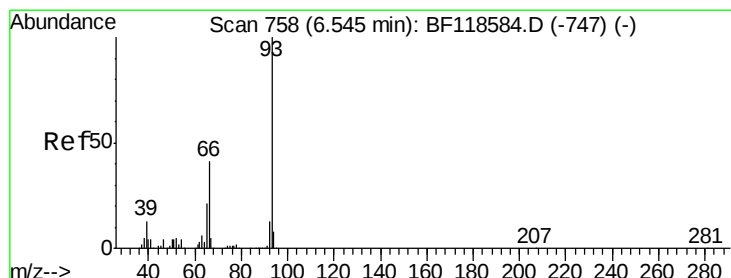
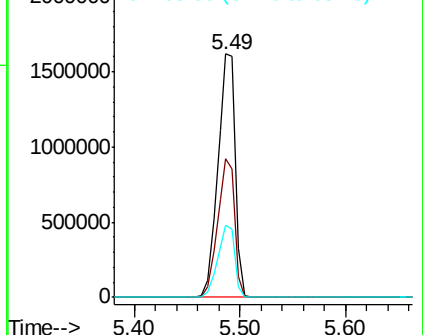
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.543 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118739.D

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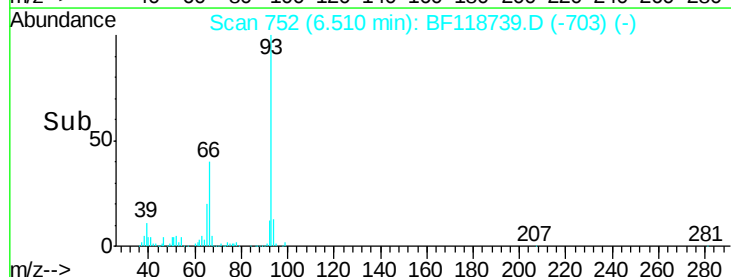
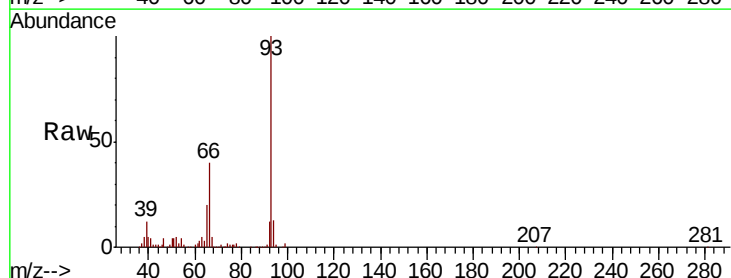
Tgt Ion: 93 Resp: 325129

Ion Ratio Lower Upper

93 100

66 40.1 31.3 46.9

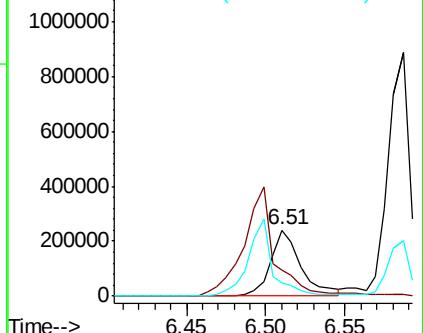
65 20.3 15.3 22.9

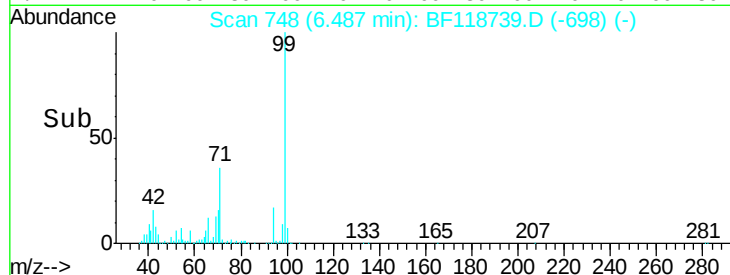
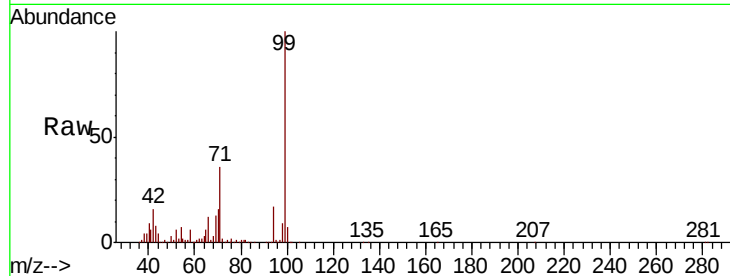
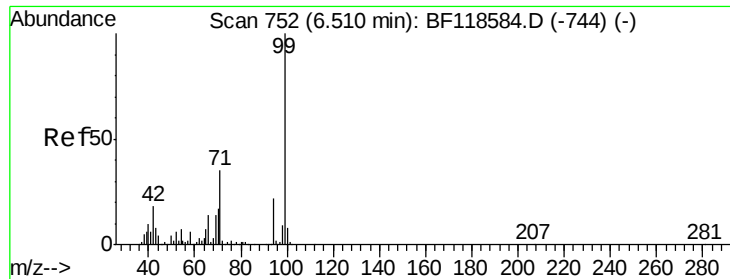


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.257 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tot Ion:	99	Resp:	2131111
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.1	19.7
71	35.6	28.4	42.6

Instrument :

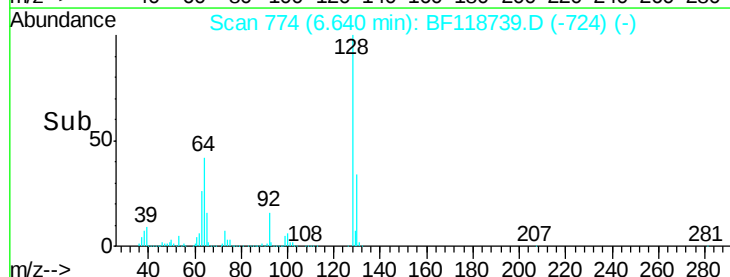
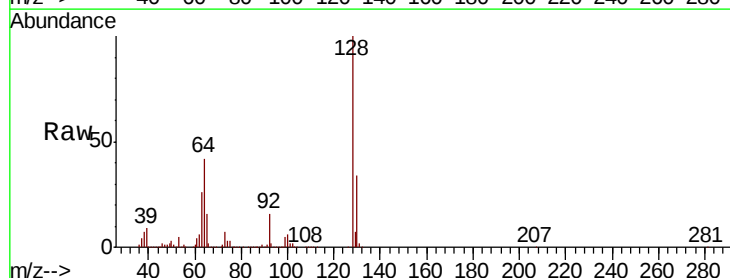
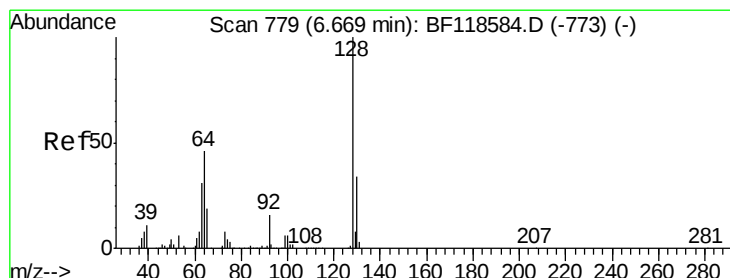
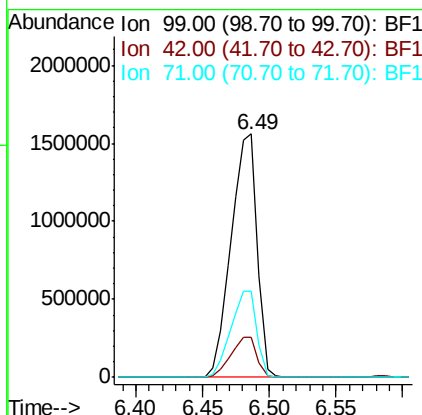
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#8

2-Chlorophenol

Concen: 51.539 ng

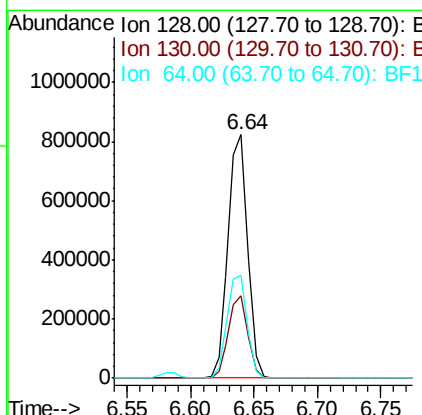
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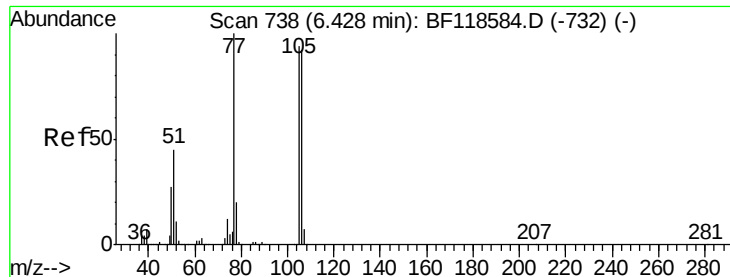
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	128	Resp:	876172
Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.8	52.8
64	42.0	24.5	64.5





#9

Benzaldehyde

Concen: 32.967 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

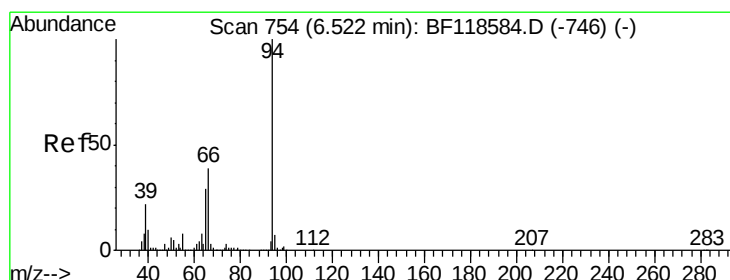
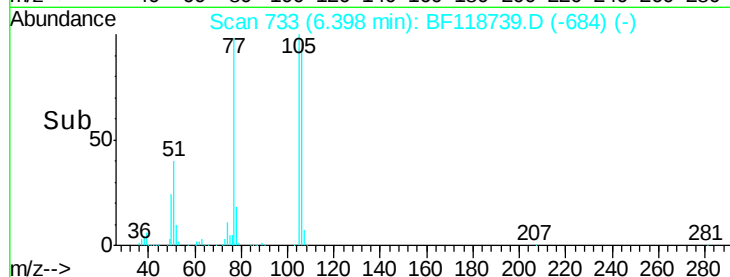
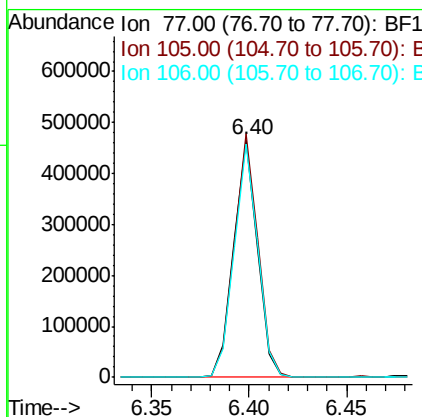
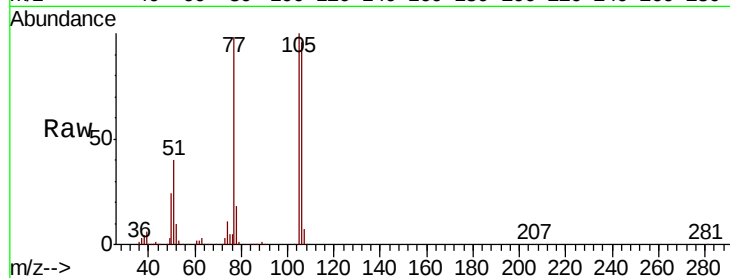
ClientSampleId :

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Tot Ion:	77	Resp:	394687
Ion	Ratio	Lower	Upper
77	100		
105	102.5	84.3	124.3
106	98.0	80.4	120.4

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#10

Phenol

Concen: 39.348 ng

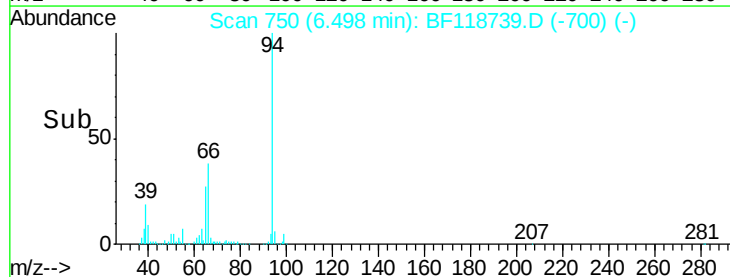
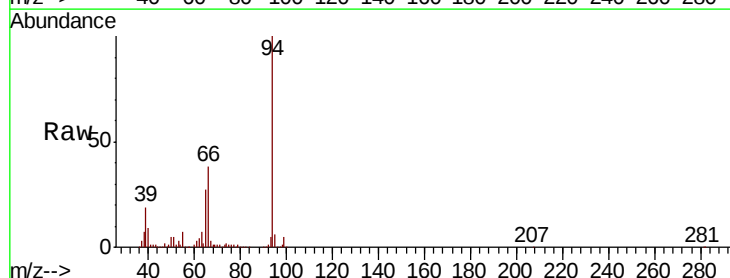
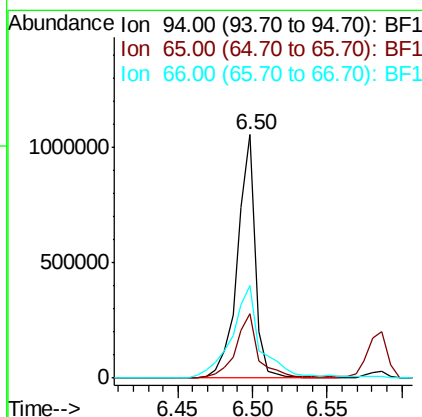
RT: 6.50 min Scan# 750

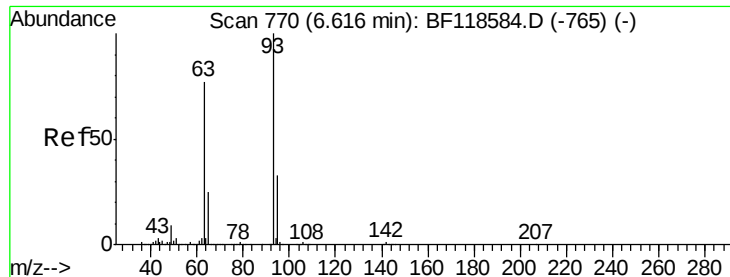
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	94	Resp:	882740
Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.9	47.9
66	37.8	19.1	59.1





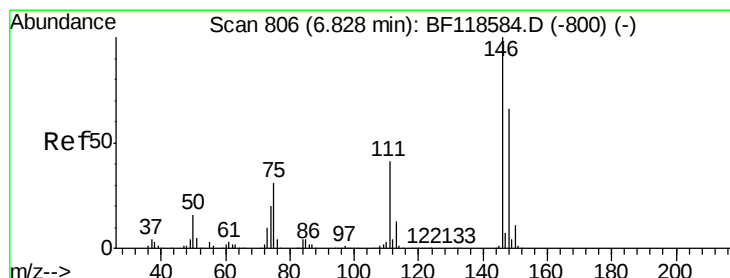
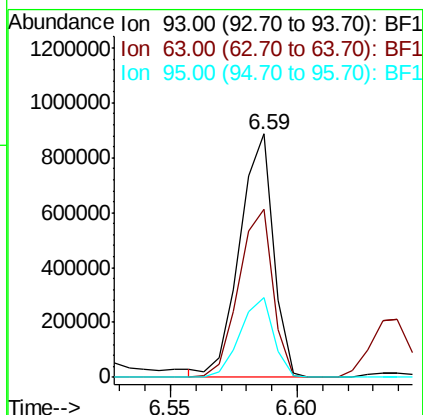
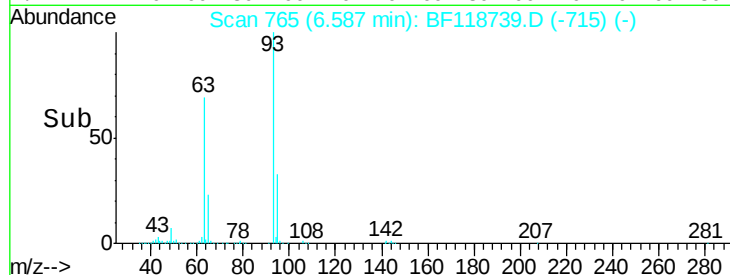
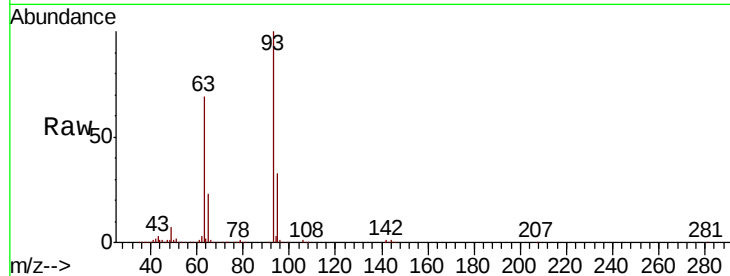
#11
bis(2-Chloroethyl)ether
Concen: 49.214 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion:	93	Resp:	819146
Ion	Ratio	Lower	Upper
93	100		
63	68.9	52.1	92.1
95	32.6	13.2	53.2

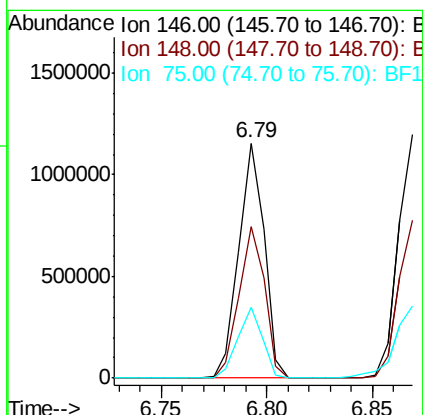
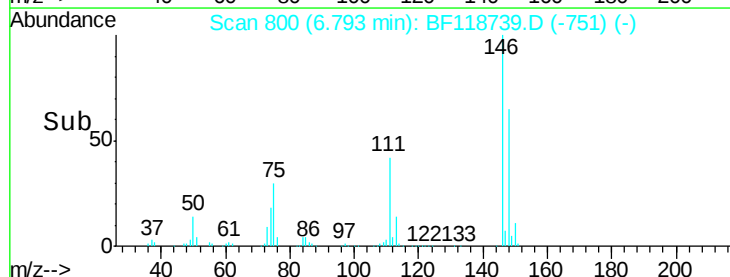
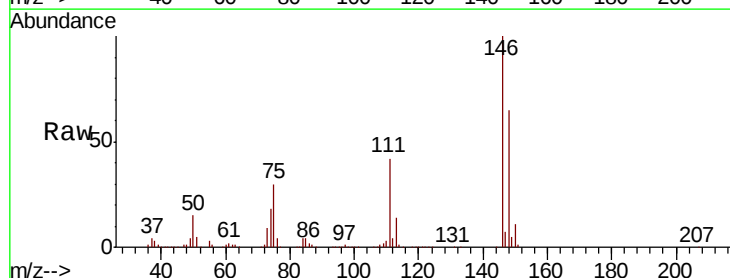
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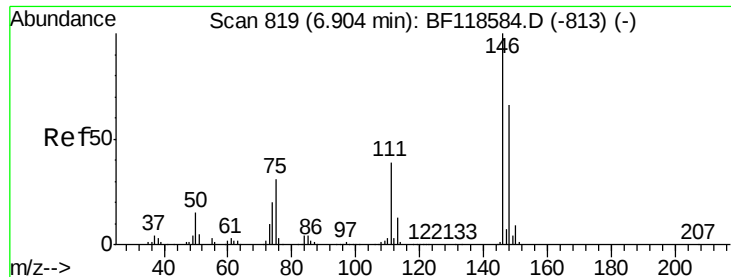
mohammad
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#12
1,3-Dichlorobenzene
Concen: 48.369 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion:	146	Resp:	962436
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.2	78.4
75	30.3	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 48.225 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

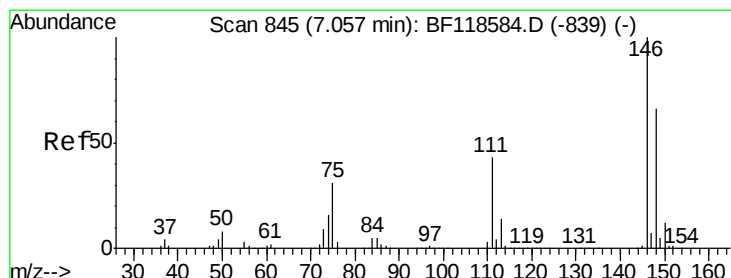
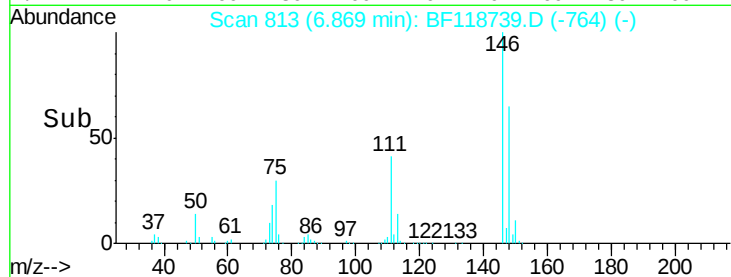
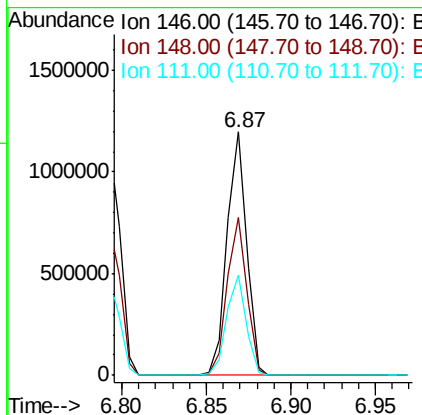
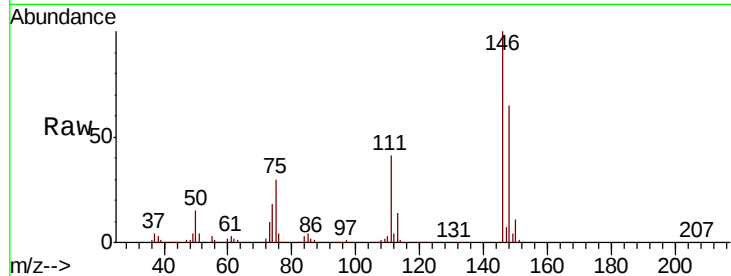
ClientSampleId :

PL-05-012820MSD

Tot Ion:	146	Resp:	963244
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.5	77.3
111	41.1	31.8	47.6

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#14

1,2-Dichlorobenzene

Concen: 47.403 ng

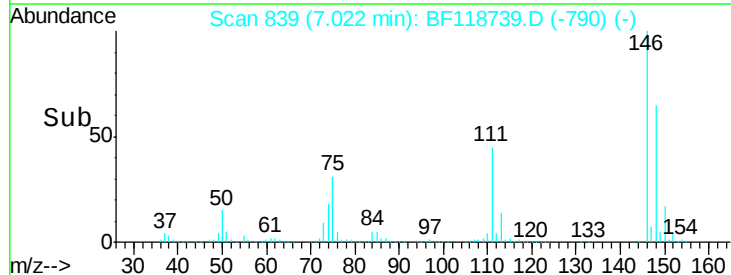
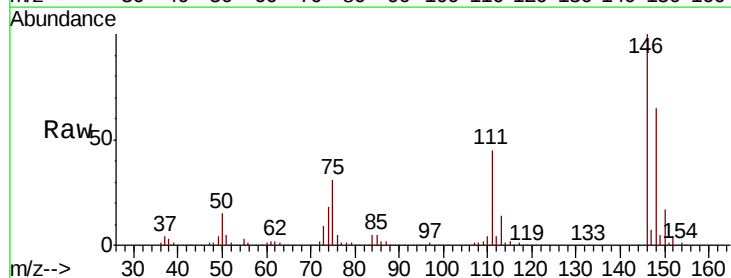
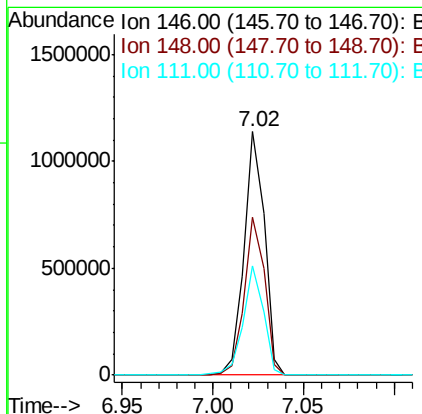
RT: 7.02 min Scan# 839

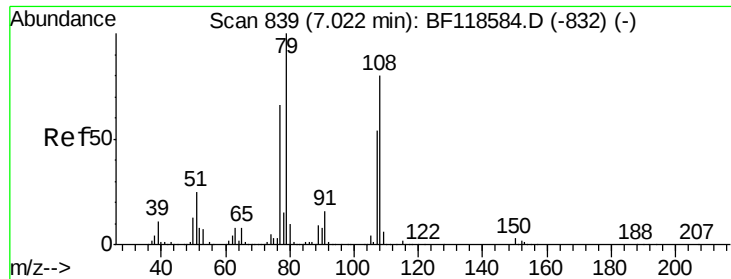
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	146	Resp:	890073
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.7	77.5
111	44.6	35.3	52.9





#15

Benzyl Alcohol

Concen: 47.306 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

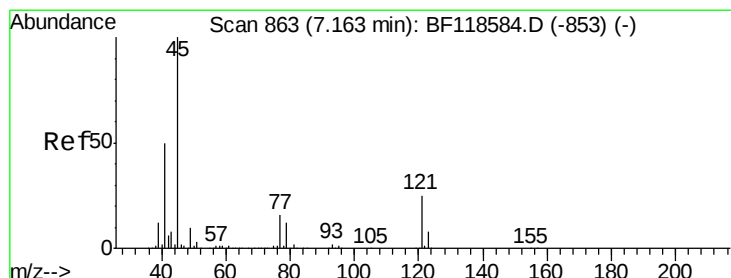
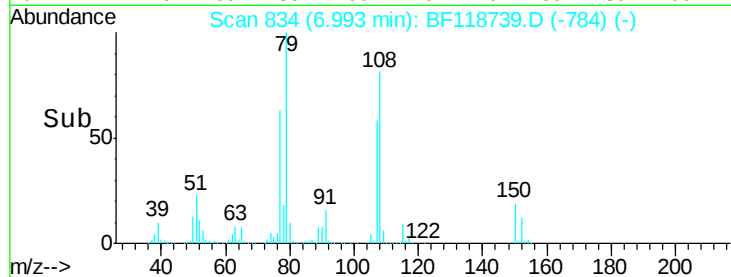
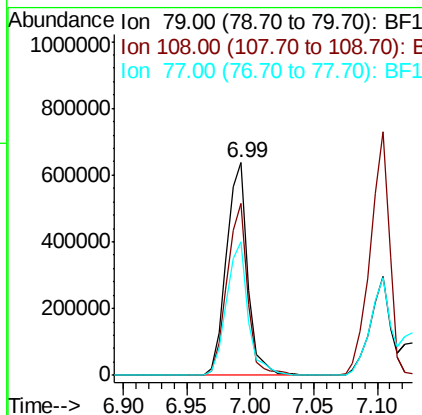
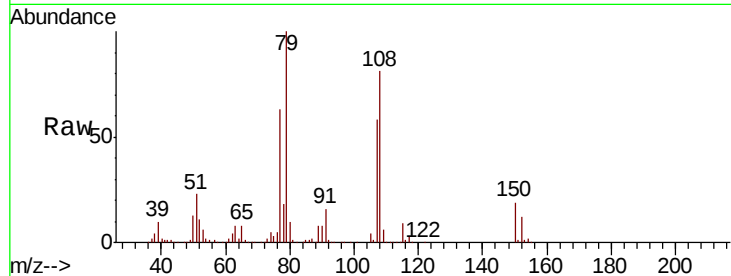
ClientSampleId :

PL-05-012820MSD

Tot Ion:	79	Resp:	738499
Ion Ratio	Lower	Upper	
79	100		
108	81.0	63.4	95.2
77	62.6	49.8	74.6

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.776 ng

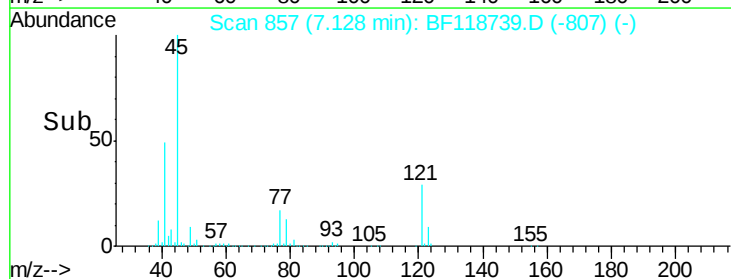
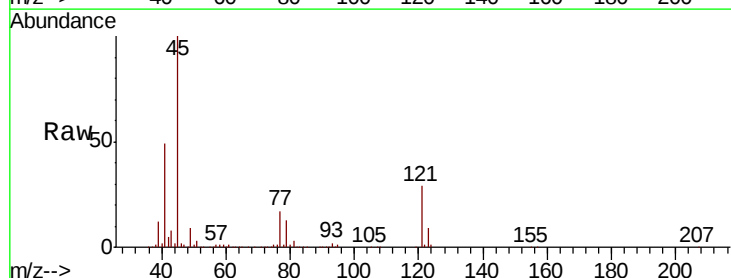
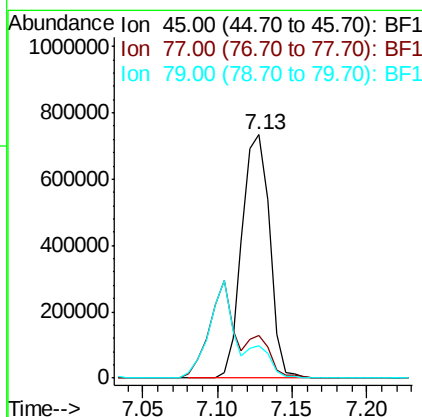
RT: 7.13 min Scan# 857

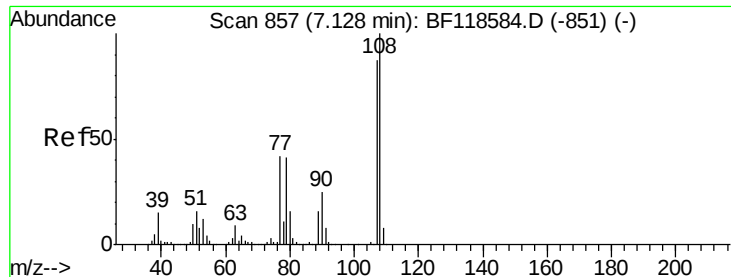
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	45	Resp:	945369
Ion Ratio	Lower	Upper	
45	100		
77	17.4	0.0	36.9
79	13.3	0.0	32.5





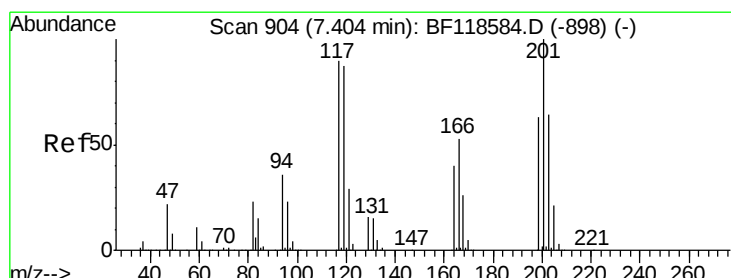
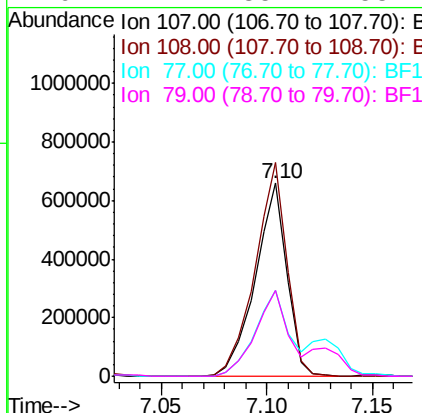
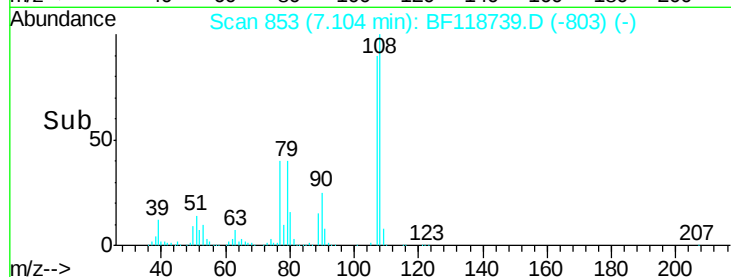
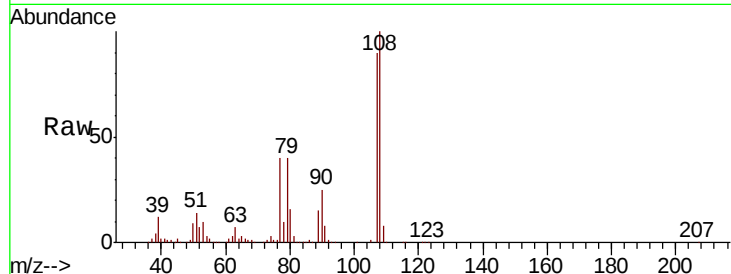
#17
2-Methylphenol
Concen: 48.411 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.6	88.0	132.0	
77	44.7	35.3	52.9	
79	44.7	35.4	53.2	

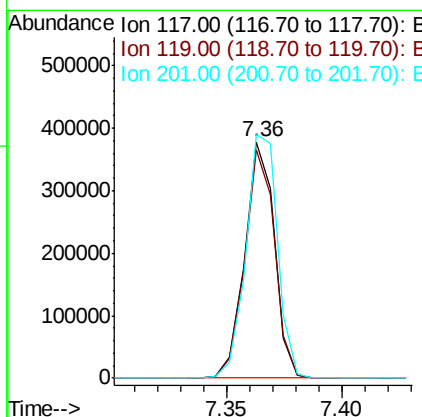
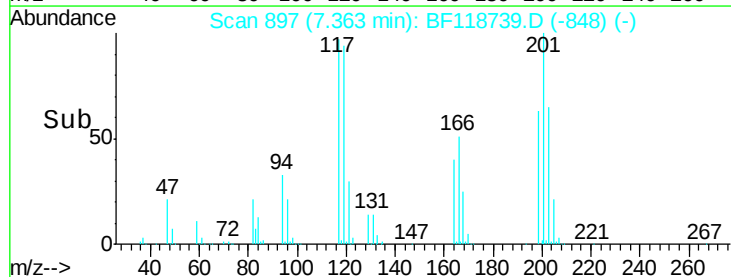
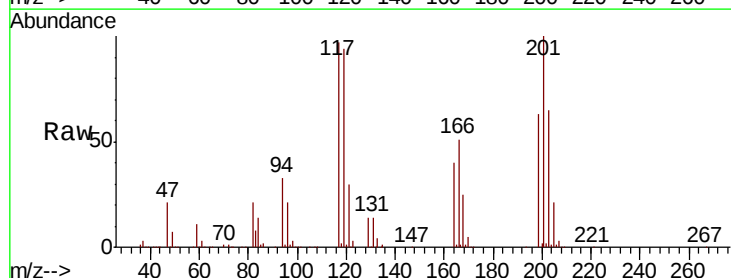
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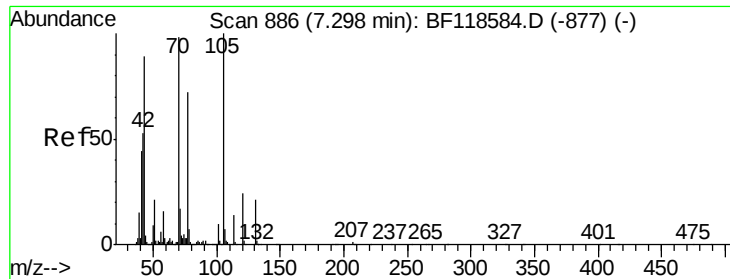
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#18
Hexachloroethane
Concen: 46.911 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	76.2	114.2	
201	103.0	83.3	124.9	





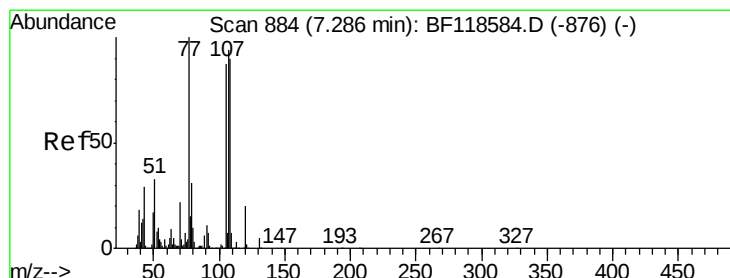
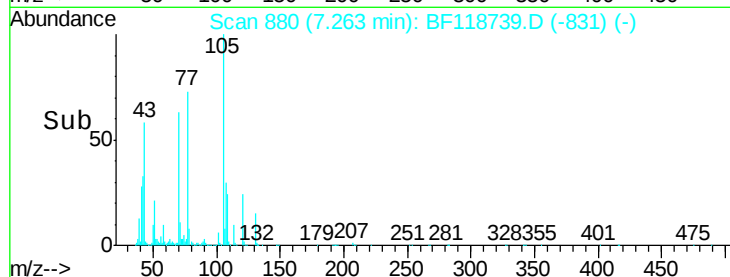
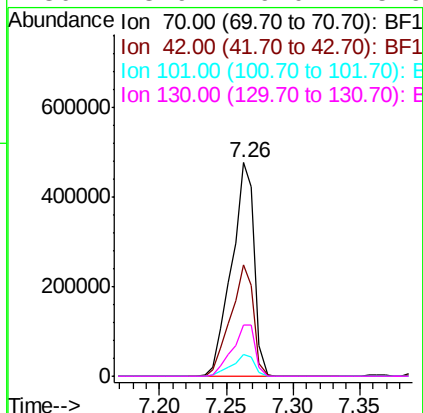
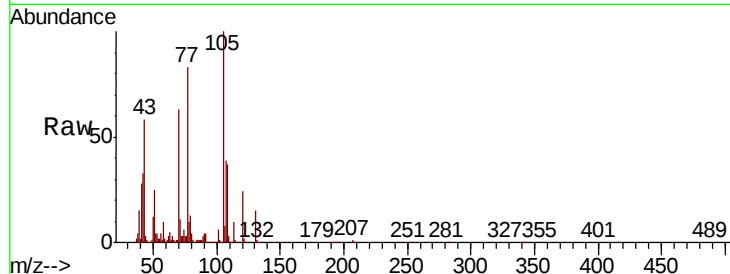
#19
n-Nitroso-di-n-propylamine
Concen: 42.721 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.1	41.6	62.4		
101	10.3	7.9	11.9		
130	23.9	19.0	28.6		

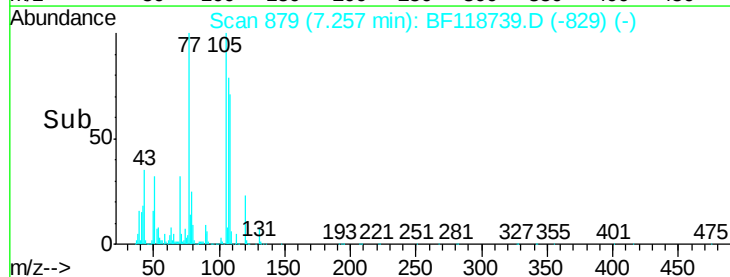
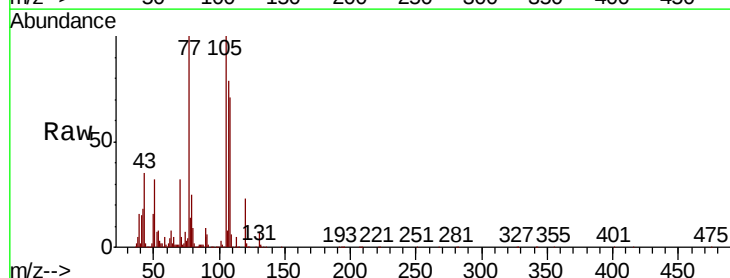
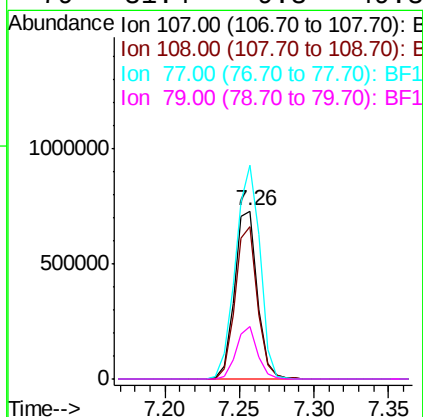
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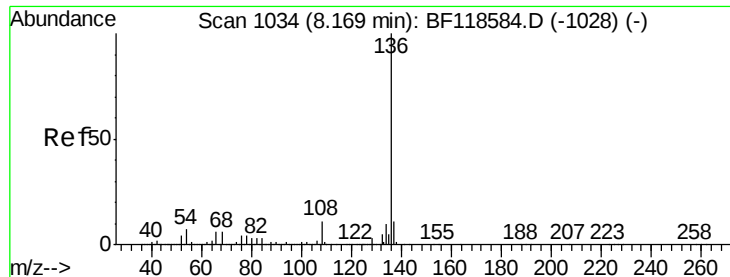
mohammad
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#20
3+4-Methylphenols
Concen: 45.067 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.8	67.5	107.5		
77	126.9	73.6	113.6#		
79	31.4	9.3	49.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:136 Resp: 1050716

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.0 5.1 7.7

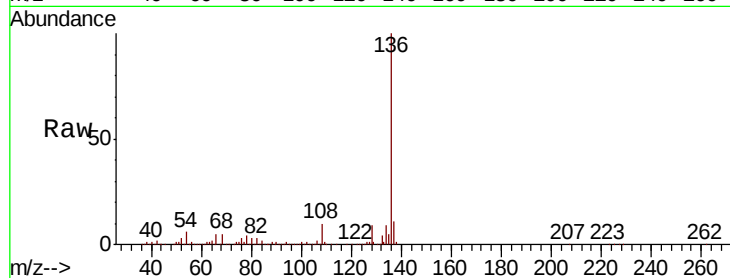
68 5.3 4.3 6.5

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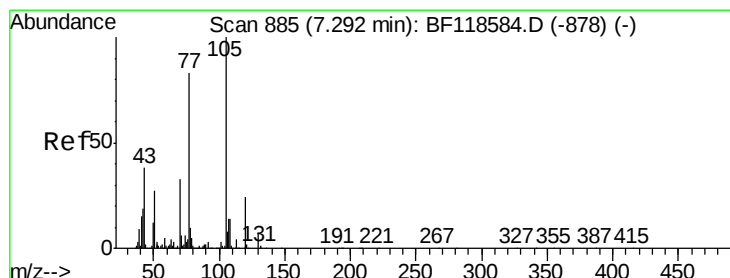
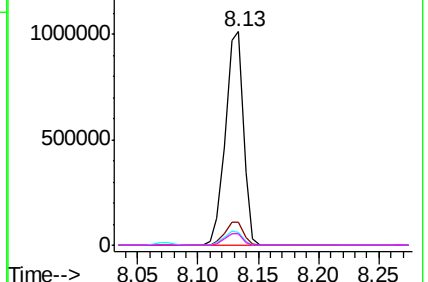
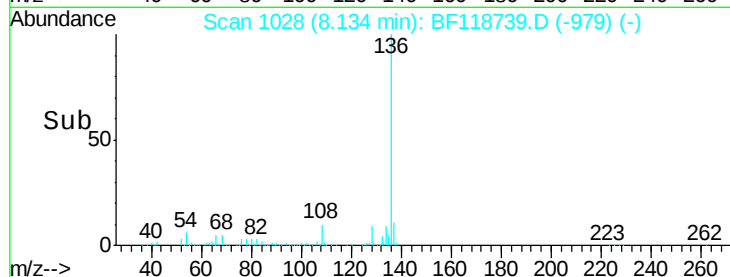
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 44.099 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:105 Resp: 1097638

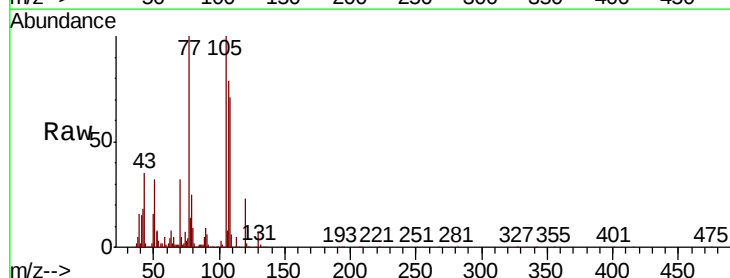
Ion Ratio Lower Upper

105 100

71 5.2 4.3 6.5

51 32.4 23.5 35.3

120 23.4 18.6 28.0



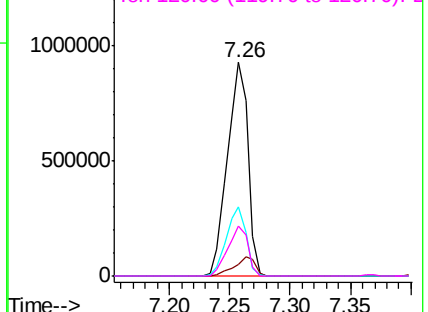
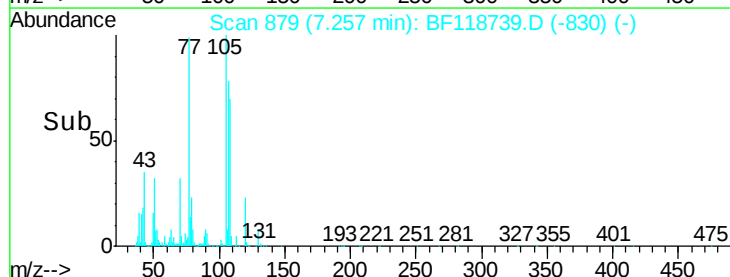
Abundance

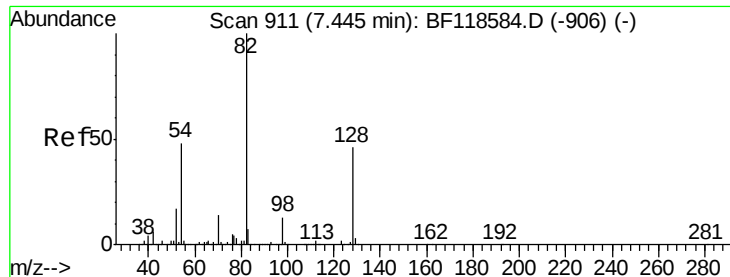
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





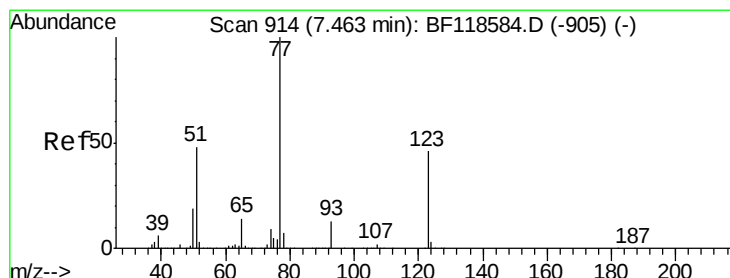
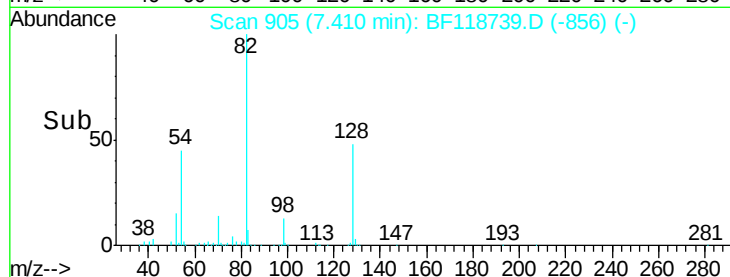
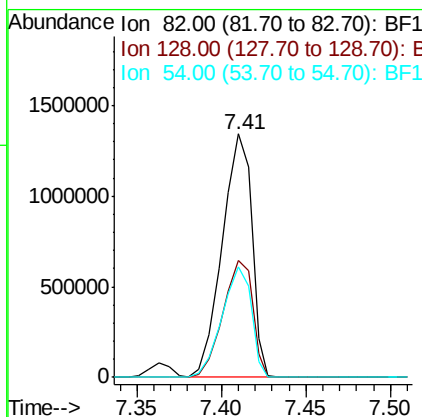
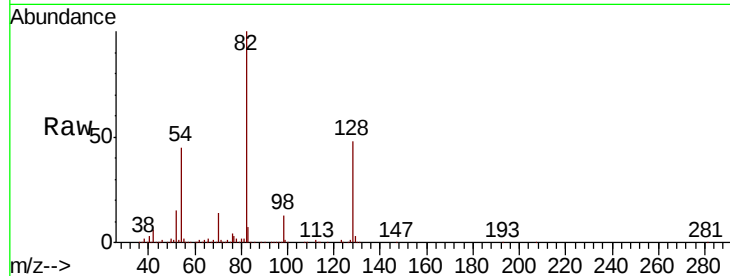
#23
 Nitrobenzene-d5
 Concen: 87.059 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion: 82 Resp: 1635398
 Ion Ratio Lower Upper
 82 100
 128 48.2 38.2 57.2
 54 45.5 36.1 54.1

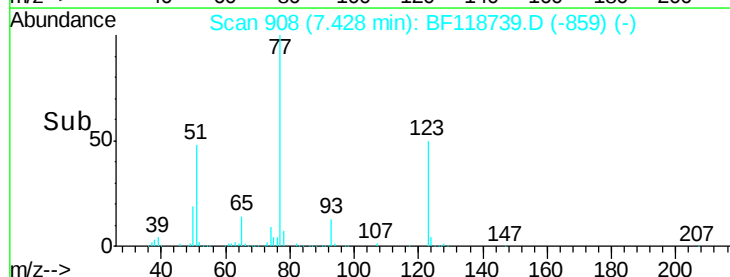
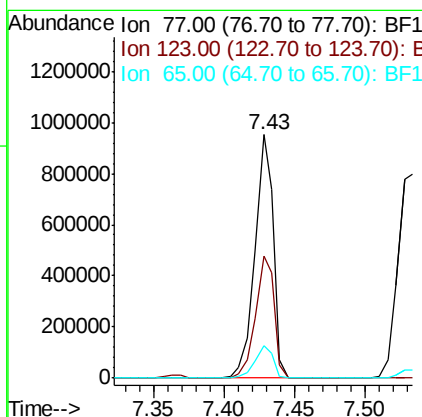
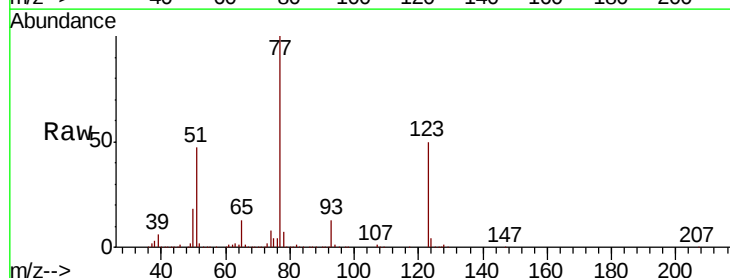
Manual Integrations
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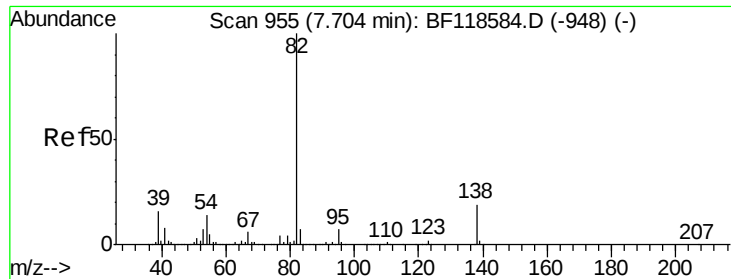
mohammad
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#24
 Nitrobenzene
 Concen: 45.403 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion: 77 Resp: 873297
 Ion Ratio Lower Upper
 77 100
 123 50.0 39.2 58.8
 65 13.4 10.6 15.8





#25

Isophorone

Concen: 46.510 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion: 82 Resp: 1593555

Ion Ratio Lower Upper

82 100

95 7.7 5.8 8.8

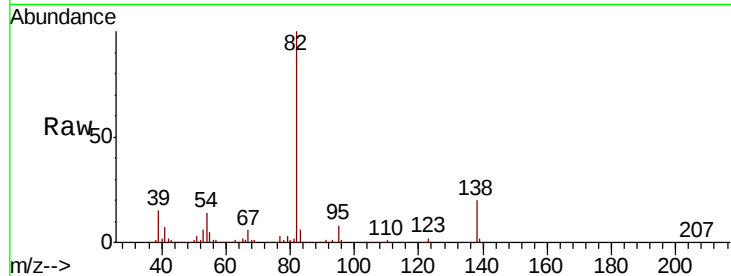
138 19.7 15.8 23.8

Manual Integrations

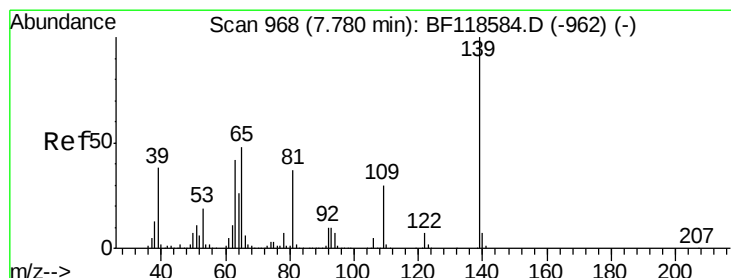
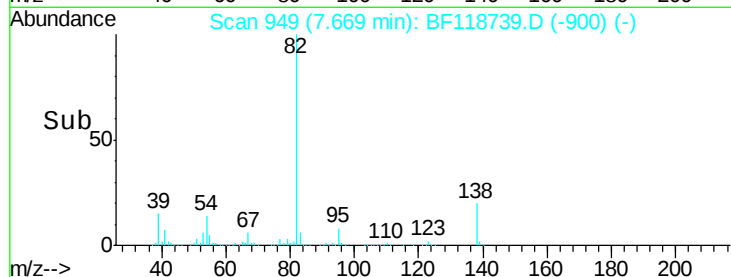
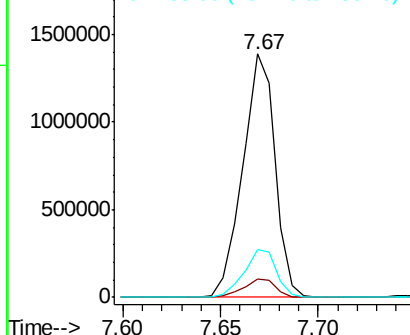
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 58.013 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

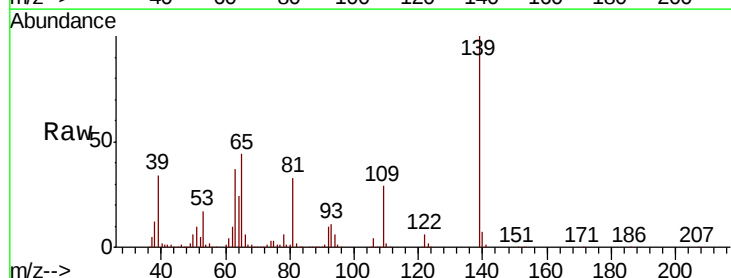
Tgt Ion: 139 Resp: 475849

Ion Ratio Lower Upper

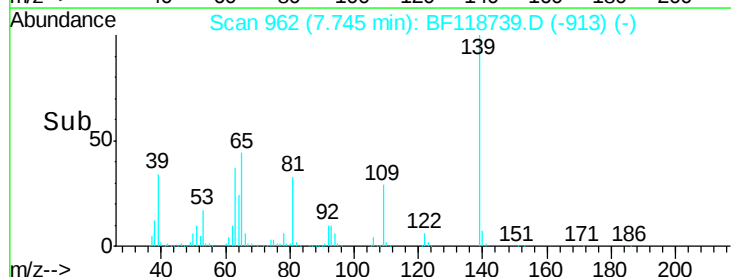
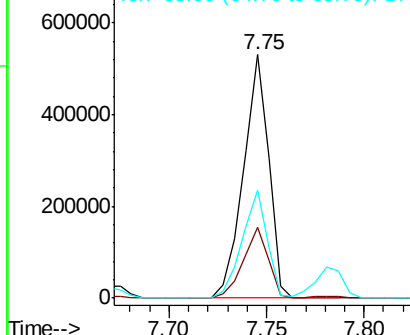
139 100

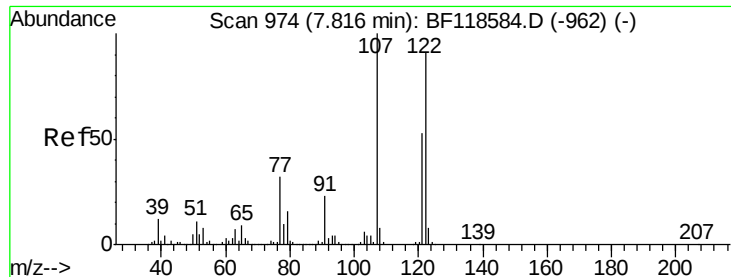
109 29.0 23.1 34.7

65 44.5 35.2 52.8



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 51.515 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

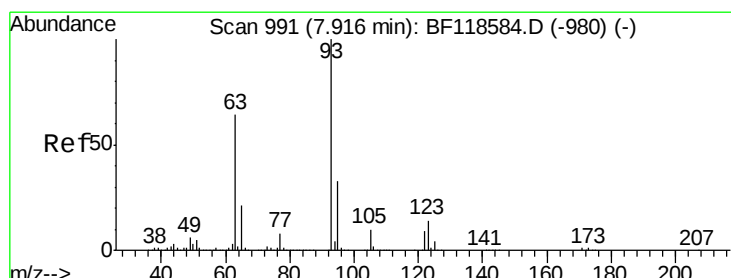
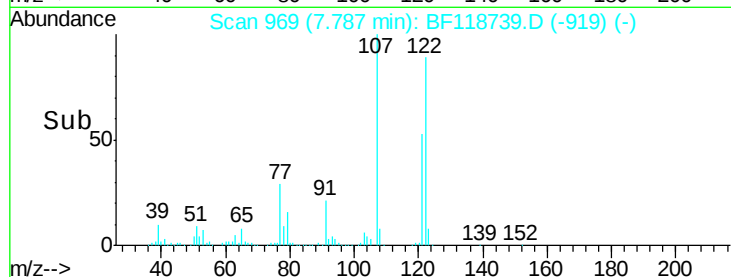
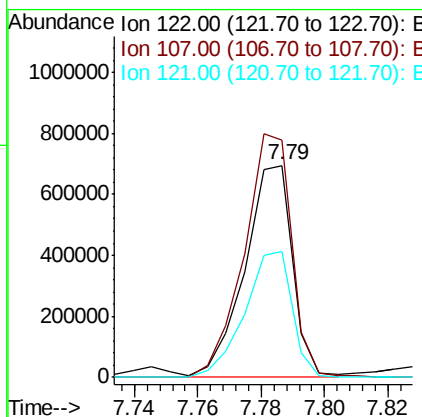
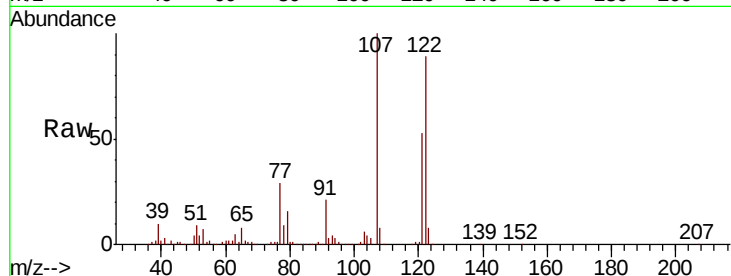
ClientSampleId :

PL-05-012820MSD

Tot Ion:	122	Resp:	729660
Ion Ratio	Lower	Upper	
122	100		
107	112.1	91.8	137.8
121	59.4	46.8	70.2

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#28

bis(2-Chloroethoxy)methane

Concen: 44.776 ng

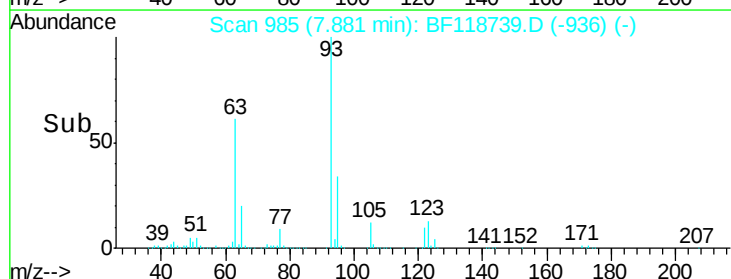
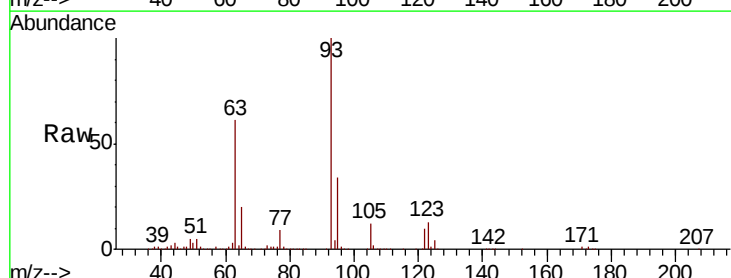
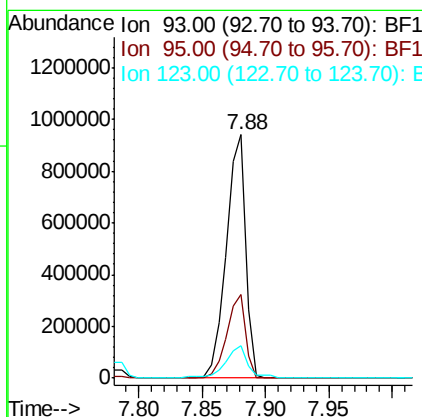
RT: 7.88 min Scan# 985

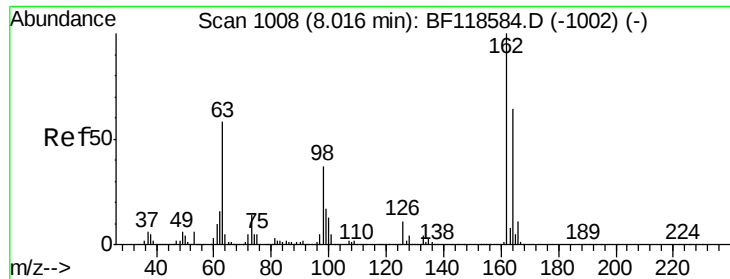
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	93	Resp:	988519
Ion Ratio	Lower	Upper	
93	100		
95	34.3	26.8	40.2
123	13.3	10.7	16.1





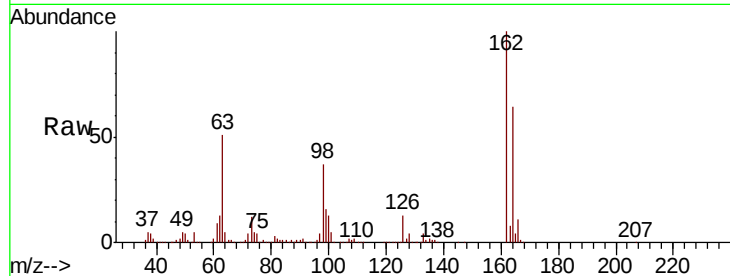
#29
2,4-Dichlorophenol
Concen: 47.732 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	37.0	15.0	55.0

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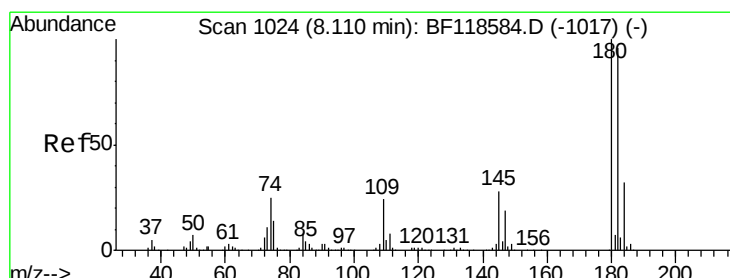
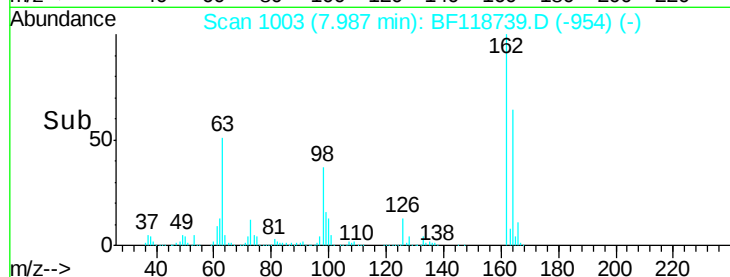
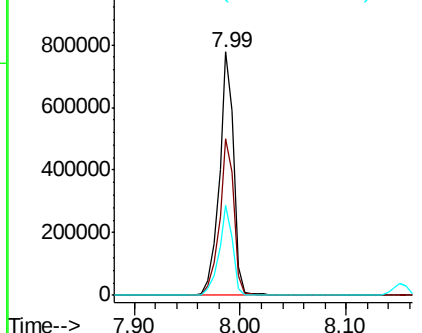


Abundance

Ion 162.00 (161.70 to 162.70): E

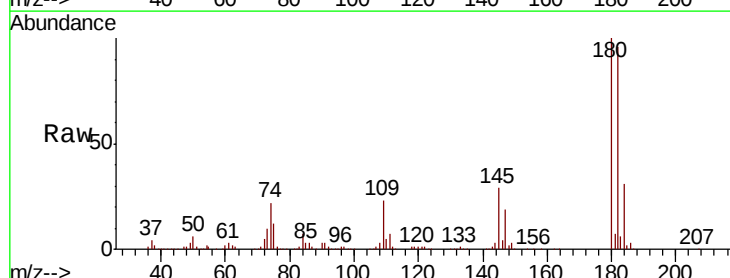
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 46.899 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
145	29.1	23.5	35.3

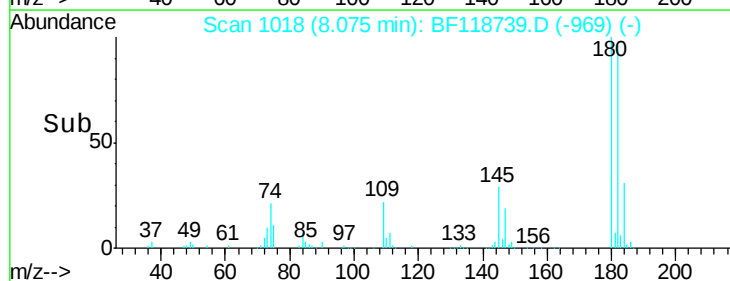
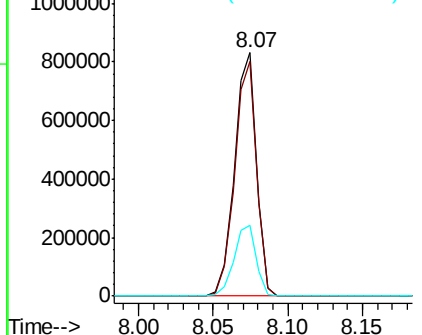


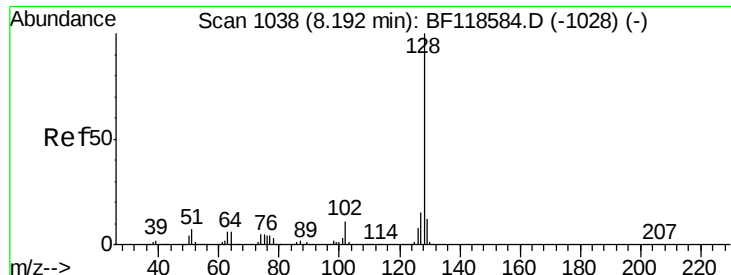
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





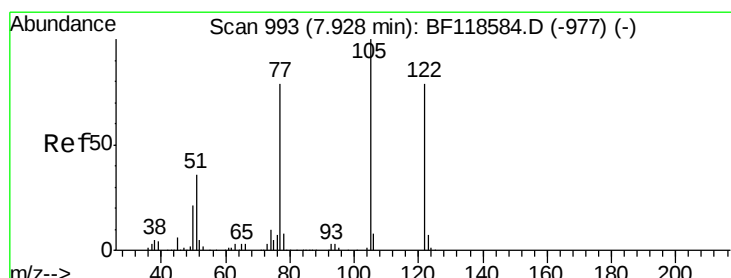
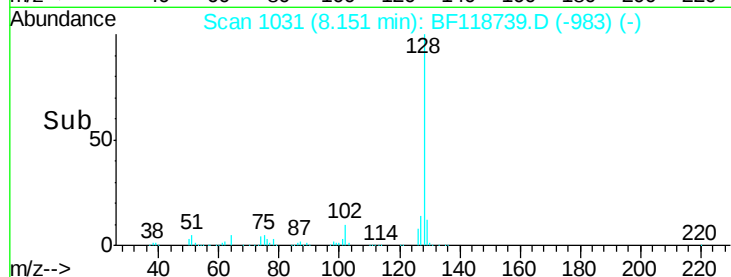
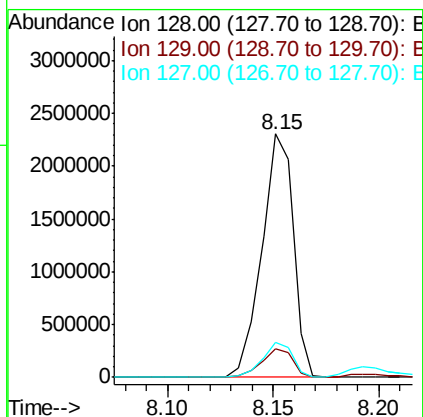
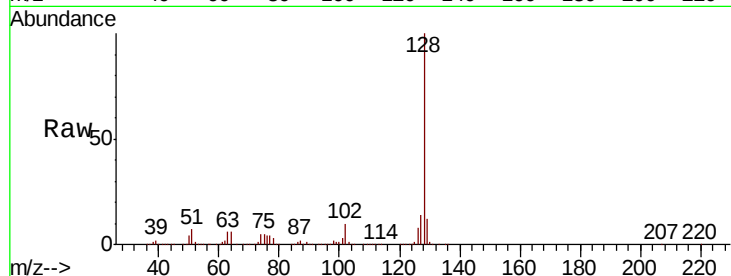
#31
Naphthalene
Concen: 50.500 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.0
127	14.5	11.3	16.9

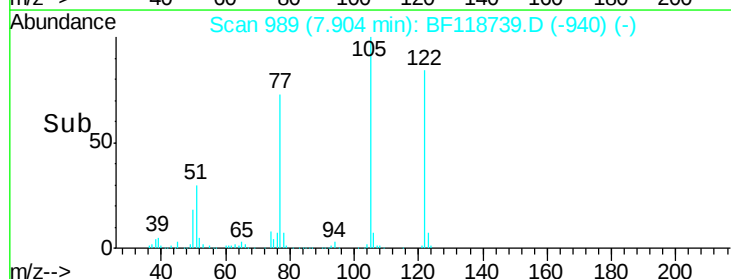
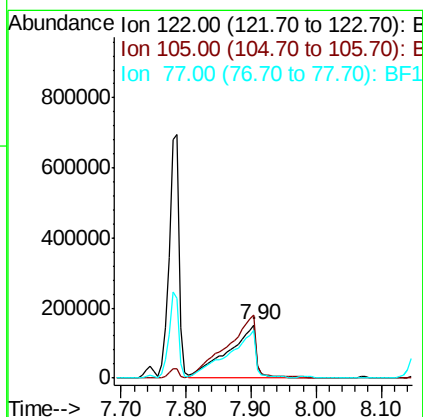
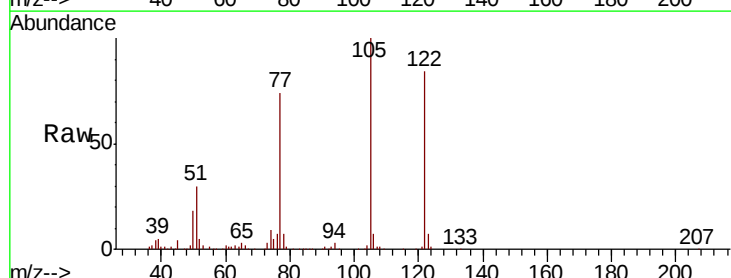
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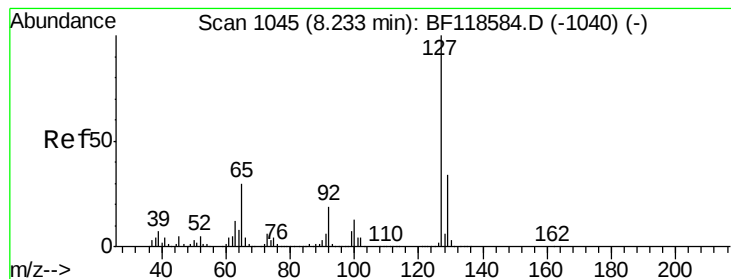
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#32
Benzoic acid
Concen: 43.286 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.6	100.9	140.9
77	88.7	65.1	105.1





#33

4-Chloroaniline

Concen: 7.187 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

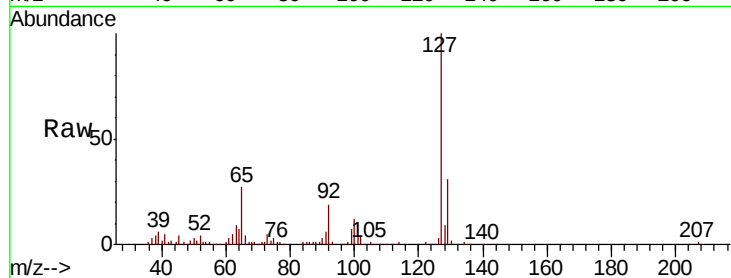
ClientSampleId :

PL-05-012820MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	157663		
129	30.9	26.4	39.6	
65	26.8	22.6	33.8	
92	19.2	15.3	22.9	

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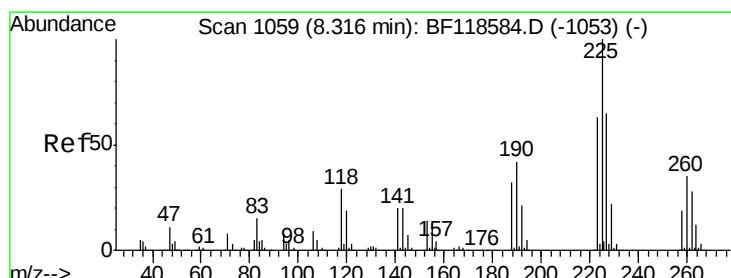
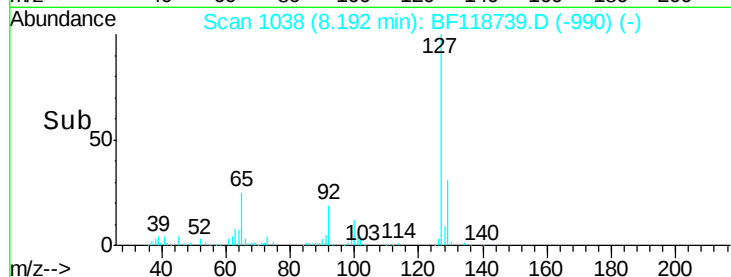
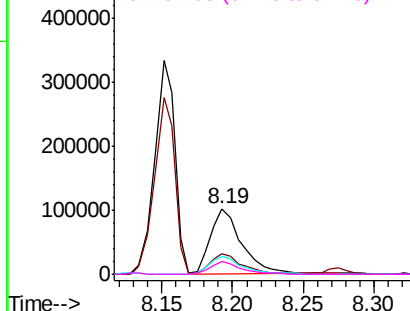


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 46.030 ng

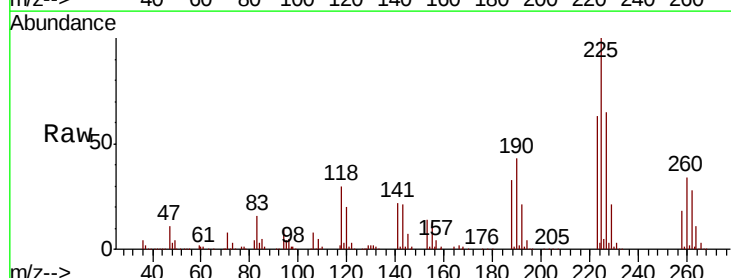
RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

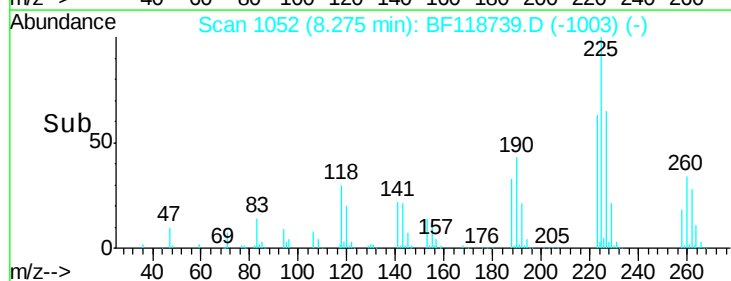
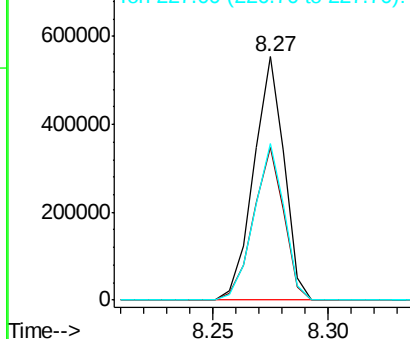
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	508901		
223	62.8	50.3	75.5	
227	64.5	50.5	75.7	

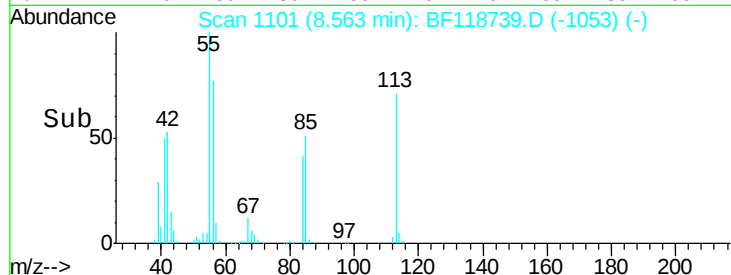
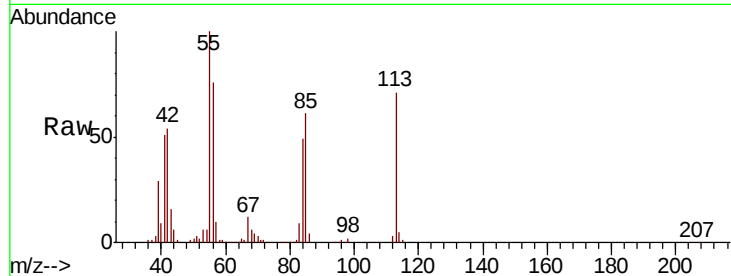
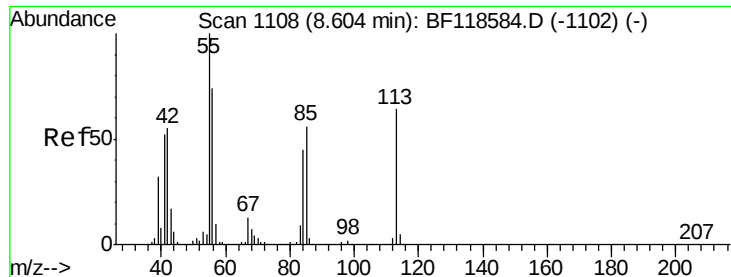


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 35.049 ng/mL

RT: 8.56 min Scan# 1101

Delta R.T. -0.02 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tot Ion:	113	Resp:	179590
Ion Ratio	Lower	Upper	
113	100		
55	141.2	119.0	159.0
56	107.5	85.4	125.4

Instrument :

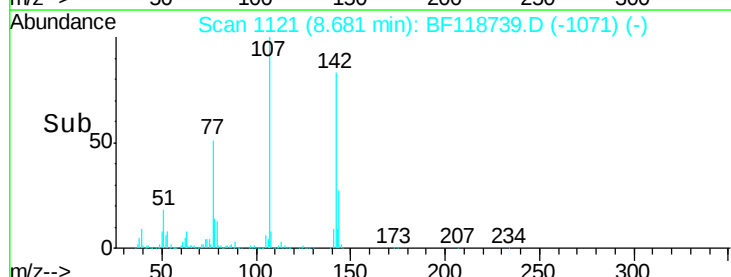
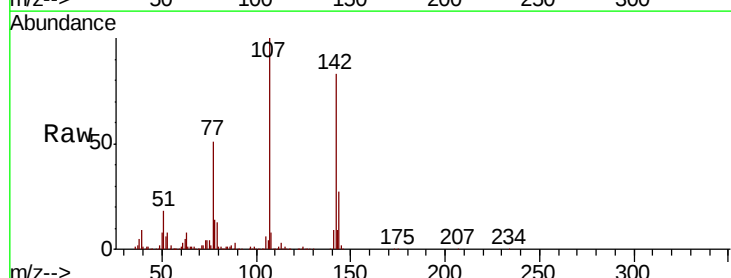
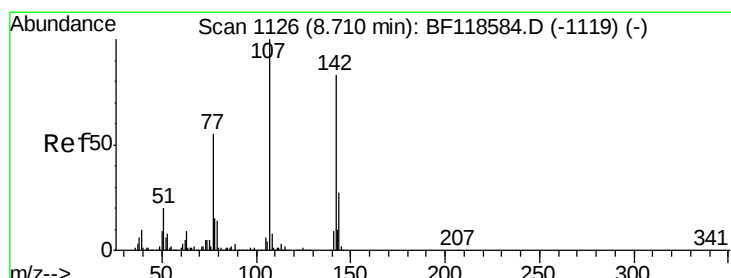
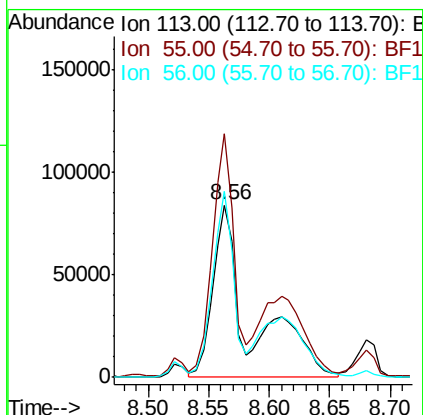
BNA_F

ClientSampleId :

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#36

4-Chloro-3-methylphenol

Concen: 48.065 ng/mL

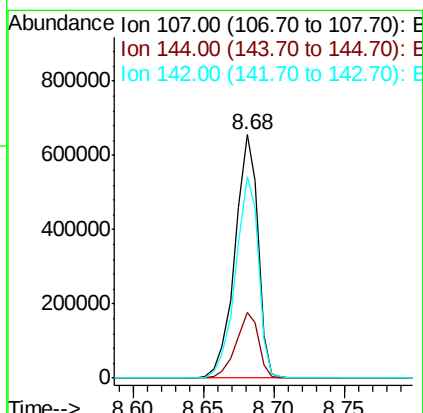
RT: 8.68 min Scan# 1121

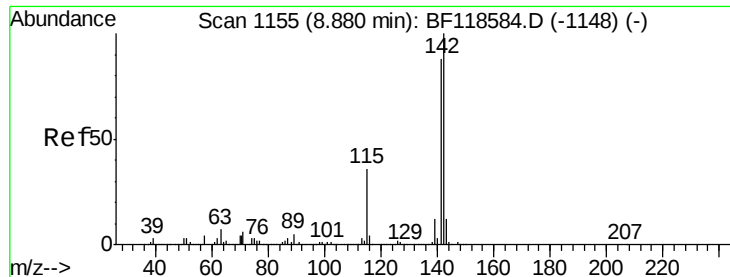
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	107	Resp:	743176
Ion Ratio	Lower	Upper	
107	100		
144	26.8	20.9	31.3
142	82.5	64.5	96.7





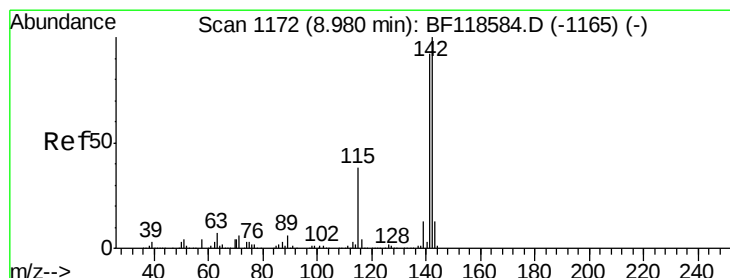
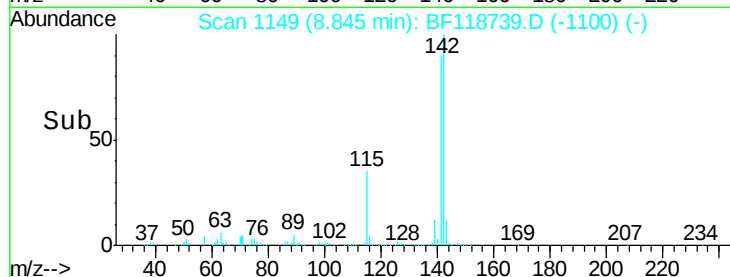
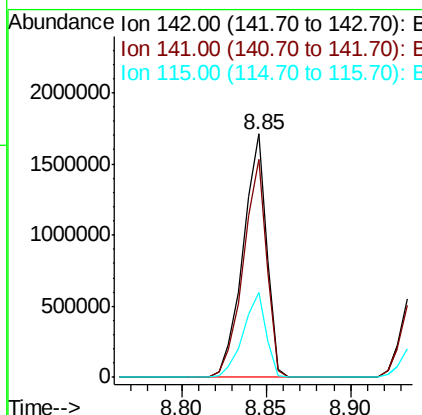
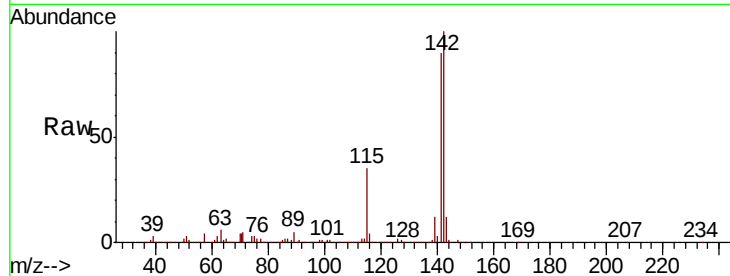
#37
2-Methylnaphthalene
Concen: 49.930 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion:142 Resp: 1672819
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.0
115 34.9 27.5 41.3

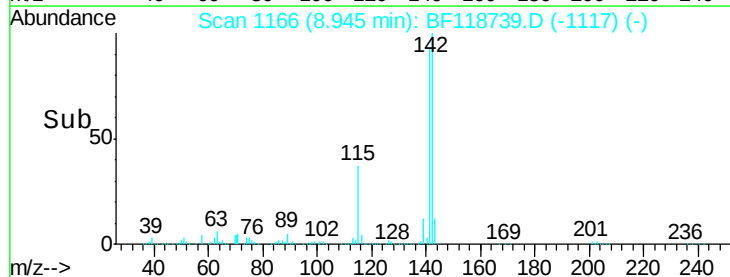
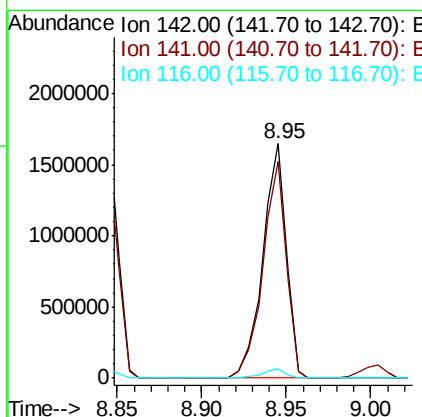
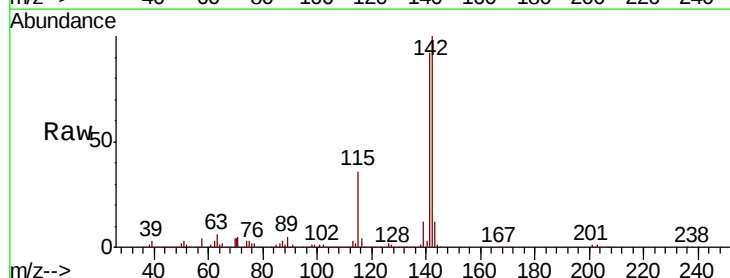
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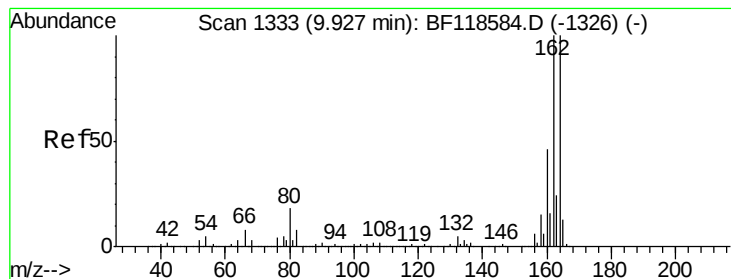
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#38
1-Methylnaphthalene
Concen: 49.623 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion:142 Resp: 1579483
Ion Ratio Lower Upper
142 100
141 92.4 73.5 110.3
116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

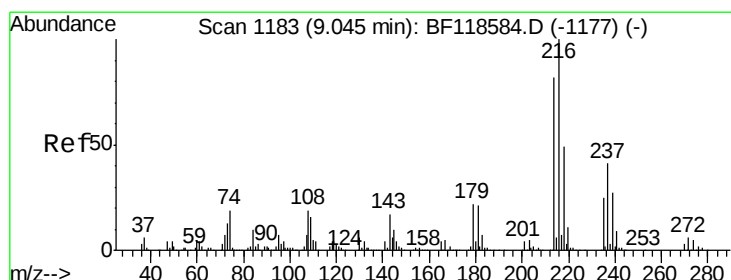
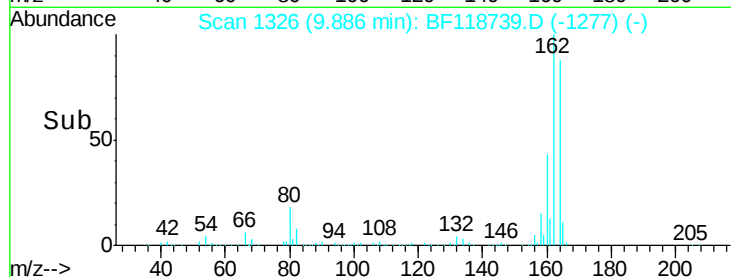
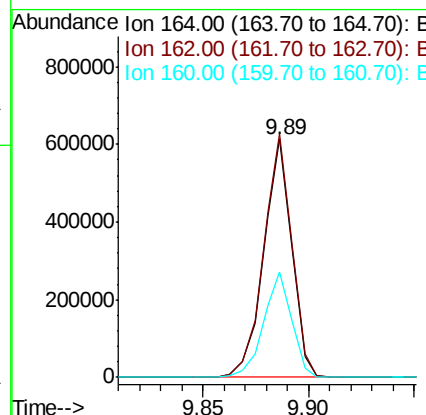
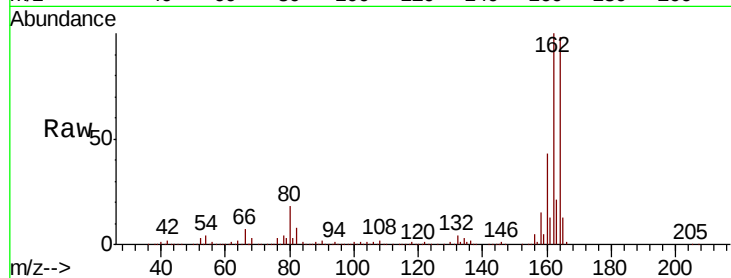
ClientSampleId :

PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.8	121.2
160	44.1	35.4	53.0

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.117 ng

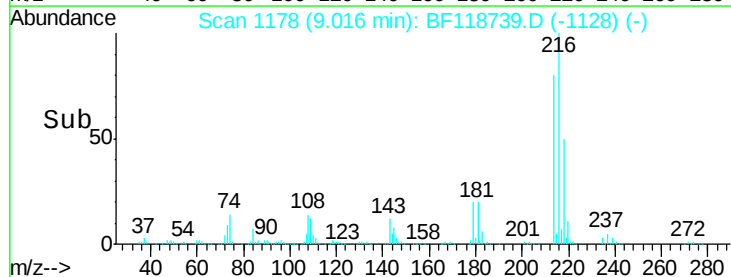
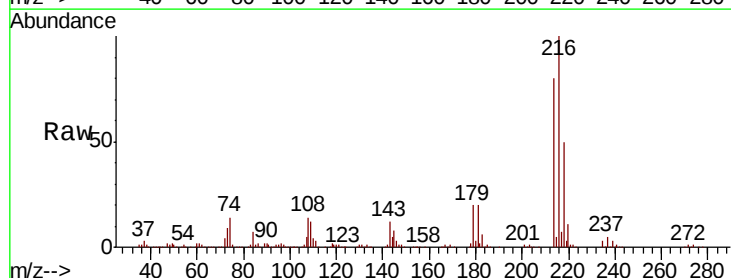
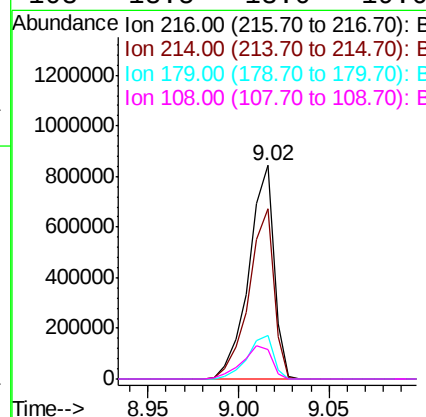
RT: 9.02 min Scan# 1178

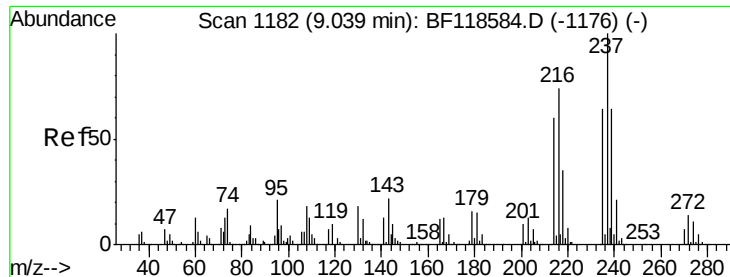
Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.4	95.2
179	21.0	17.0	25.4
108	18.5	13.0	19.6





#41

Hexachlorocyclopentadiene

Concen: 90.213 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

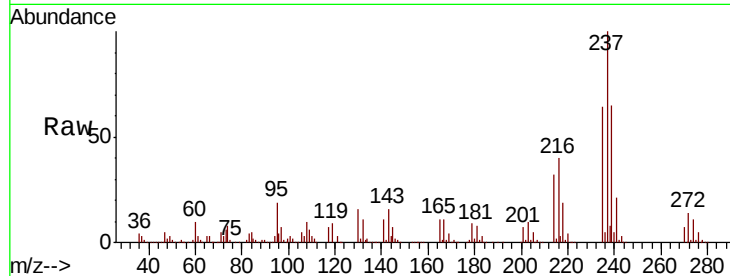
ClientSampleId :

PL-05-012820MSD

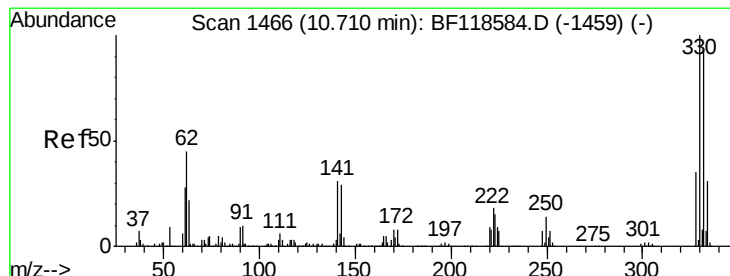
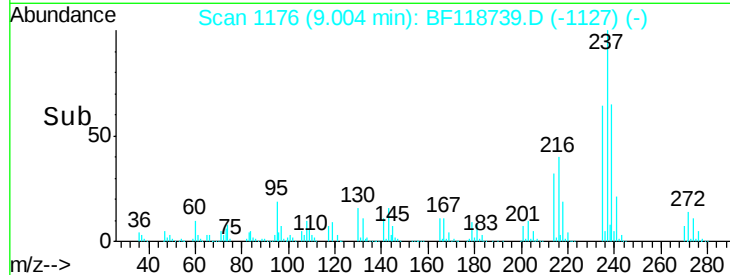
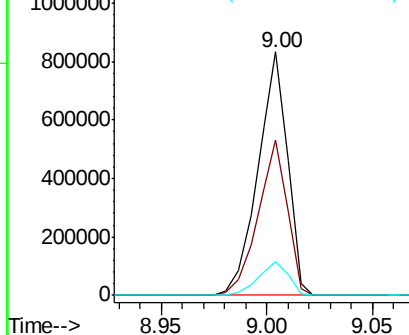
Tot Ion:	237	Resp:	805422
Ion Ratio	Lower	Upper	
237	100		
235	63.6	42.7	82.7
272	13.9	0.0	34.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 131.846 ng

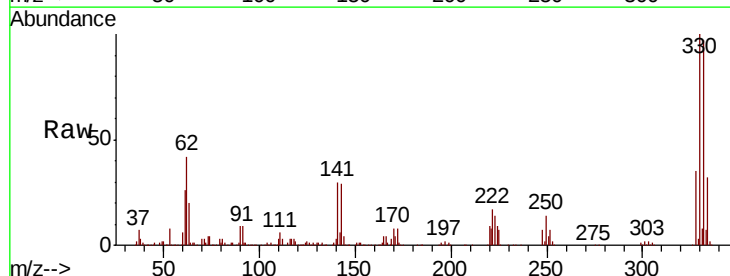
RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

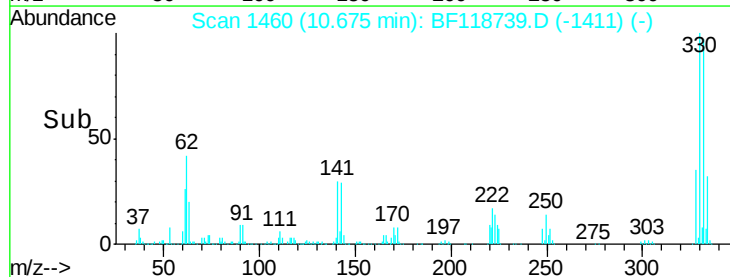
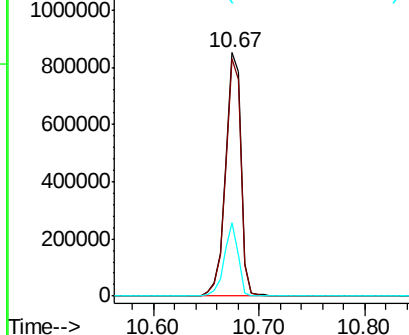
Lab File: BF118739.D

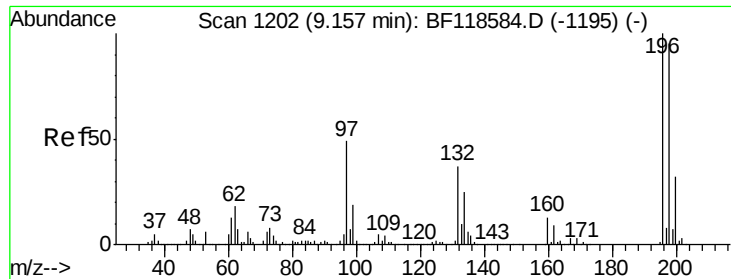
Acq: 29 Jan 2020 18:50

Tgt Ion:	330	Resp:	862439
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.6	116.4
141	27.4	22.2	33.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





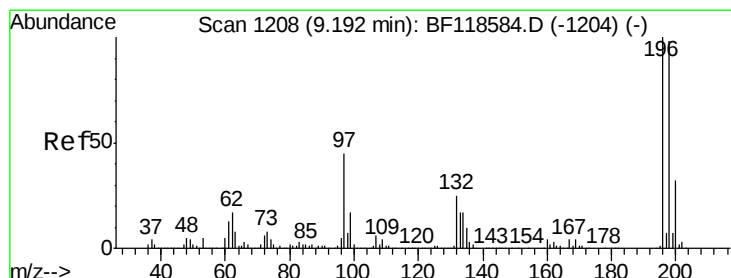
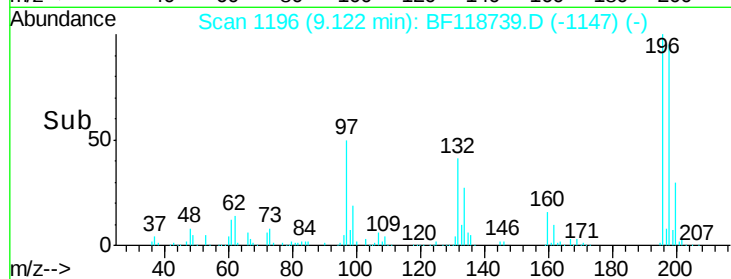
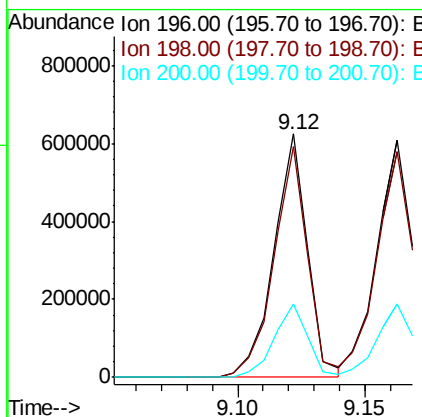
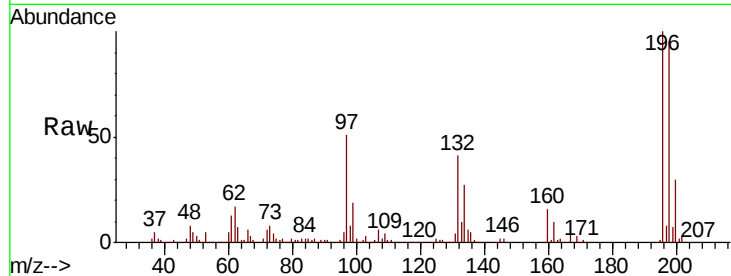
#43
 2,4,6-Trichlorophenol
 Concen: 49.293 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion:	196	Resp:	578822
Ion Ratio	Lower	Upper	
196	100		
198	94.8	76.4	114.6
200	30.3	25.4	38.2

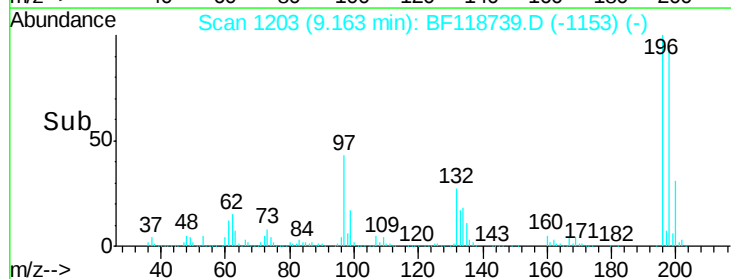
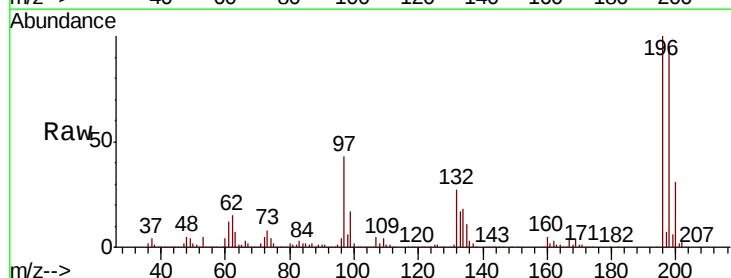
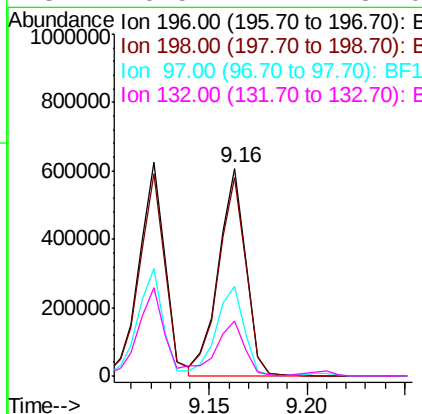
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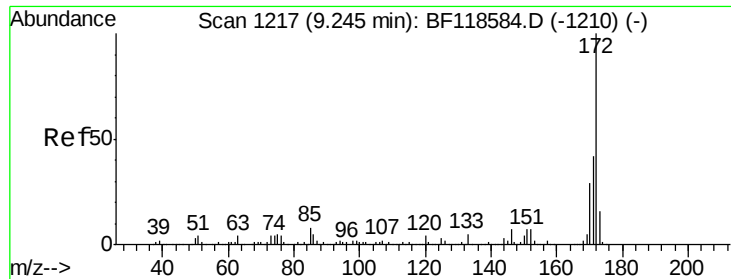
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#44
 2,4,5-Trichlorophenol
 Concen: 49.141 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion:	196	Resp:	589325
Ion Ratio	Lower	Upper	
196	100		
198	95.4	76.2	114.4
97	43.2	35.7	53.5
132	26.5	21.4	32.0





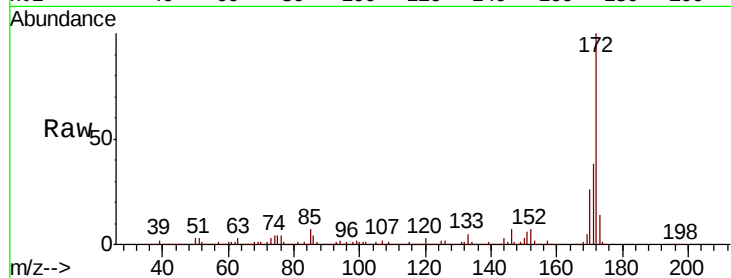
#45
2-Fluorobiphenyl
Concen: 89.772 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

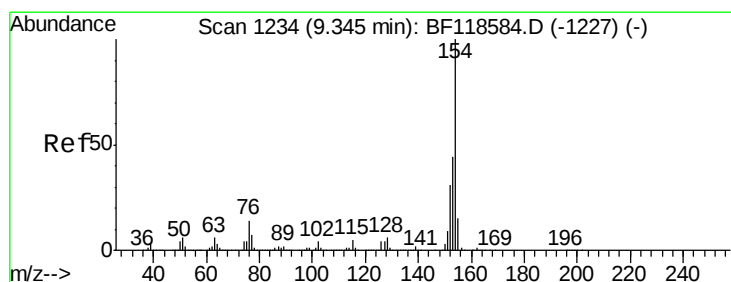
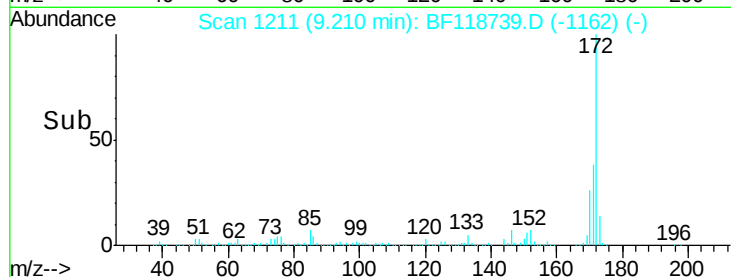
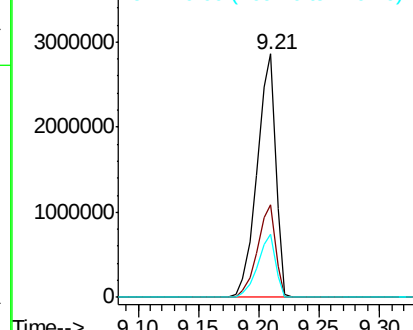
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	25.8	20.7	31.1

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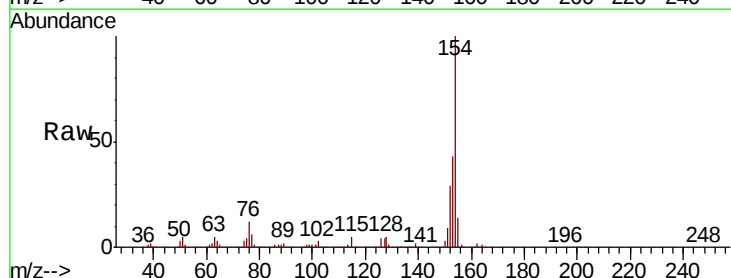


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

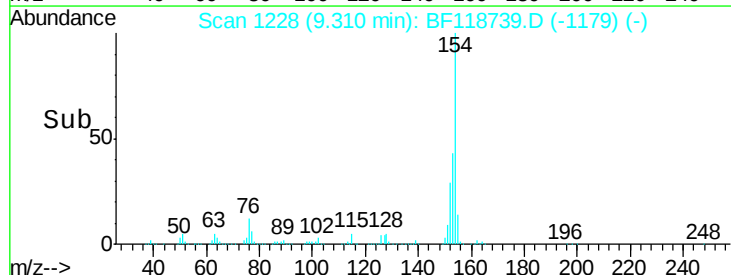
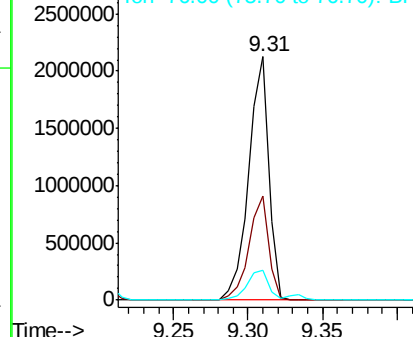


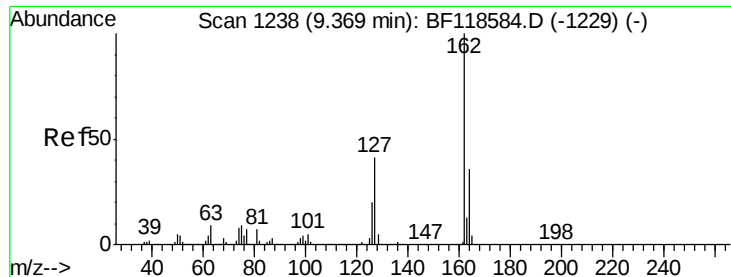
#46
1,1'-Biphenyl
Concen: 50.815 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	22.3	62.3
76	12.4	0.0	32.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





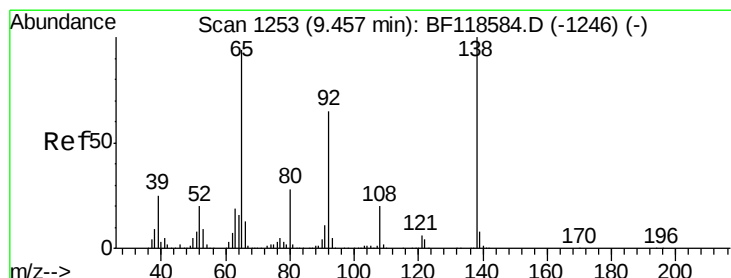
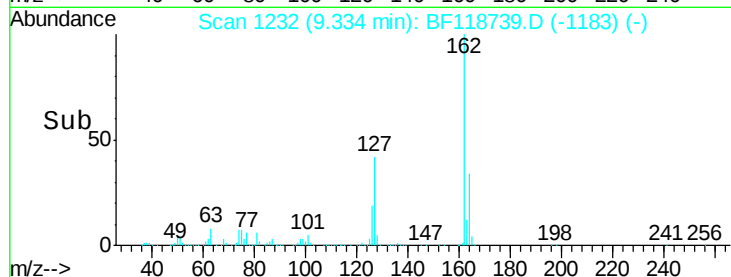
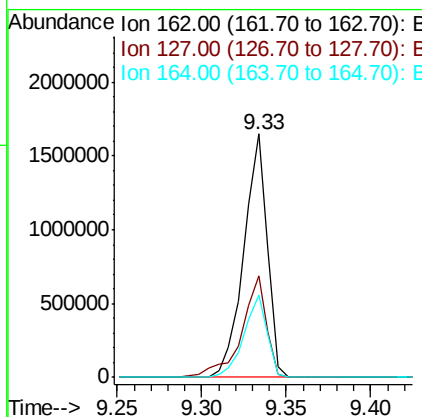
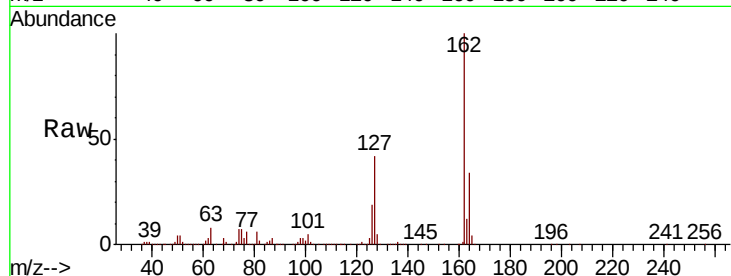
#47
2-Chloronaphthalene
Concen: 48.842 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.9	49.3
164	34.1	27.5	41.3

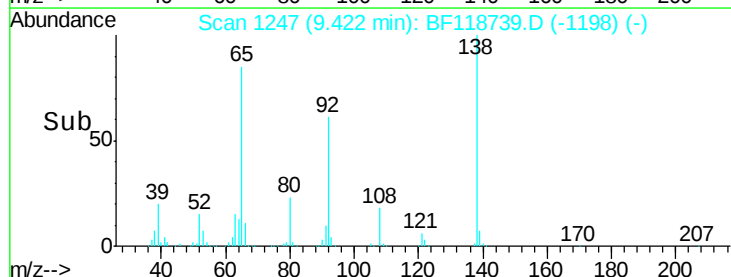
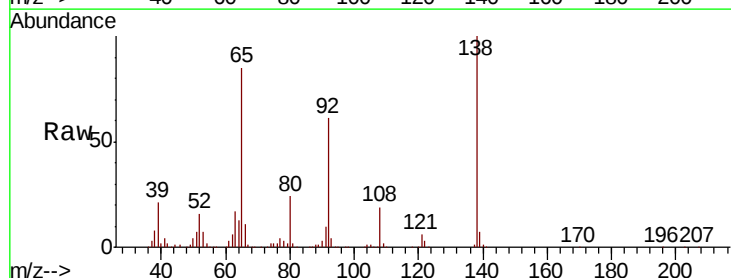
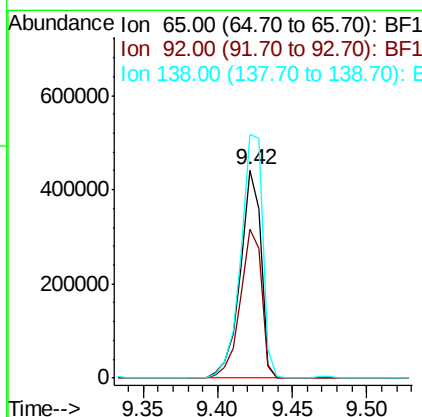
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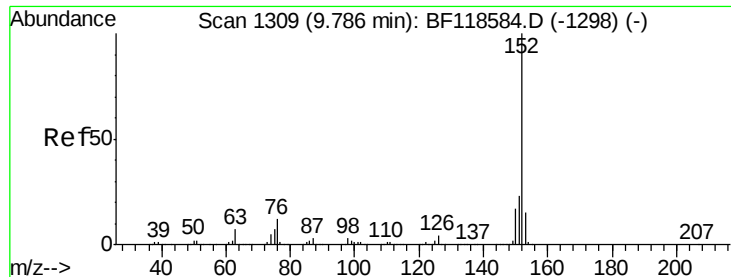
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#48
2-Nitroaniline
Concen: 42.365 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.4	57.8	86.6
138	117.1	95.1	142.7





#49

Acenaphthylene

Concen: 52.480 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:152 Resp: 2425489

Ion Ratio Lower Upper

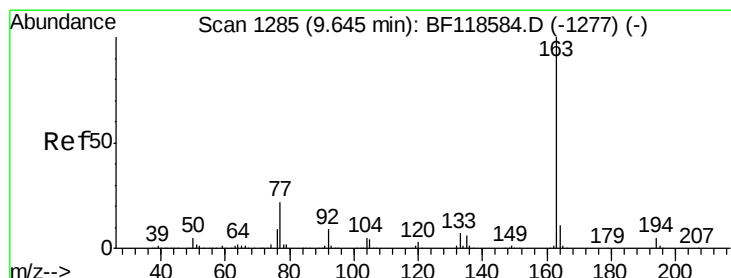
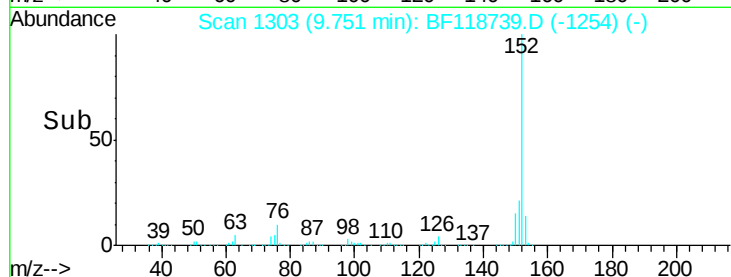
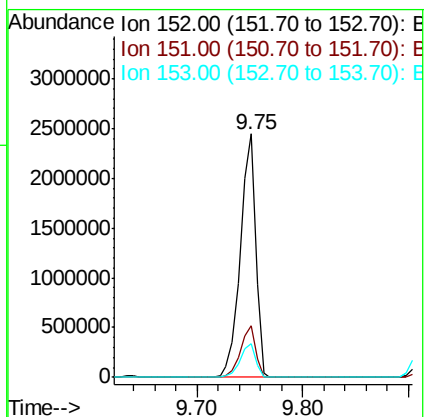
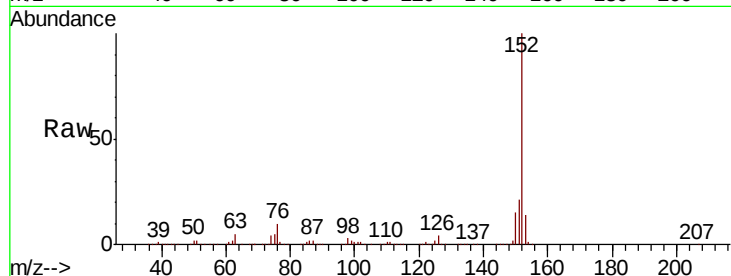
152 100

151 21.2 17.1 25.7

153 14.1 11.0 16.4

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#50

Dimethylphthalate

Concen: 52.534 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

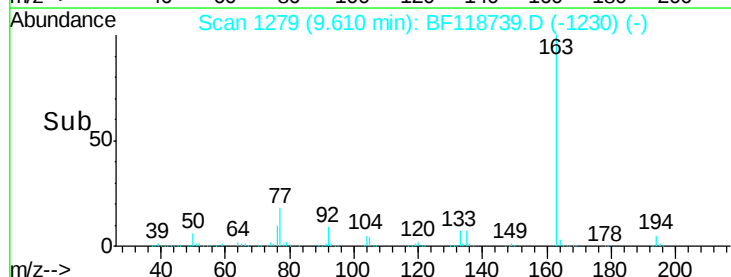
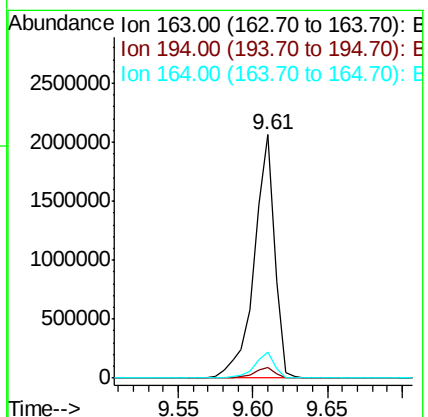
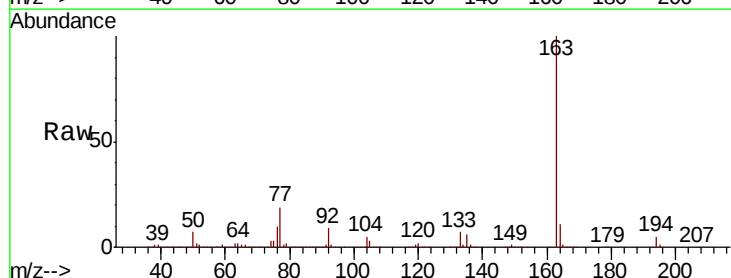
Tgt Ion:163 Resp: 1935667

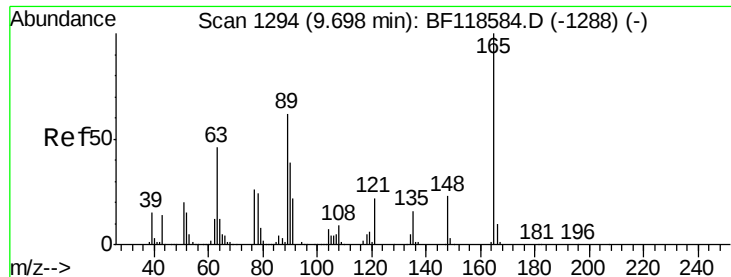
Ion Ratio Lower Upper

163 100

194 4.6 3.7 5.5

164 10.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 53.199 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

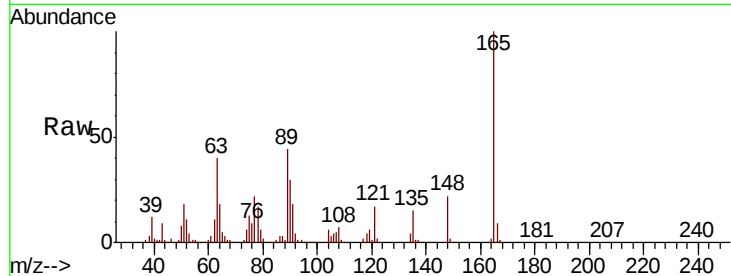
PL-05-012820MSD

Tot Ion:165 Resp: 438932
Ion Ratio Lower Upper

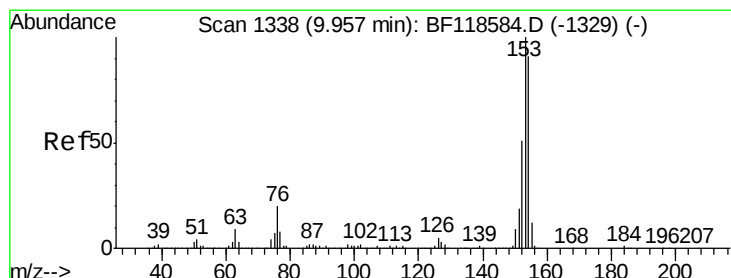
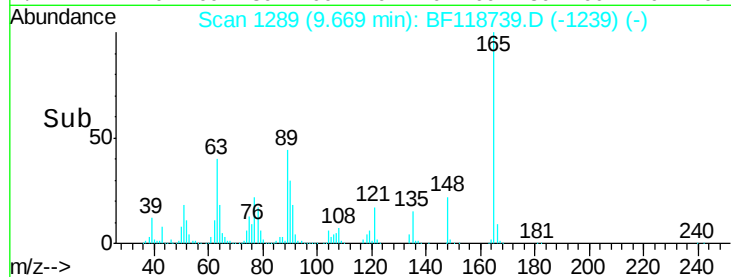
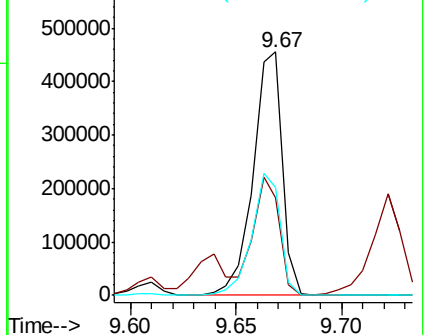
165	100		
63	40.0	39.8	59.6
89	44.4	41.4	62.2

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 52.929 ng

RT: 9.92 min Scan# 1332

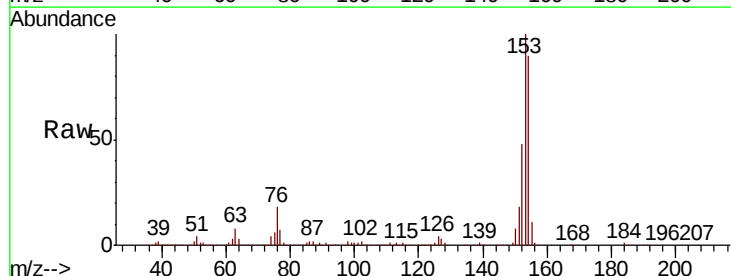
Delta R.T. -0.01 min

Lab File: BF118739.D

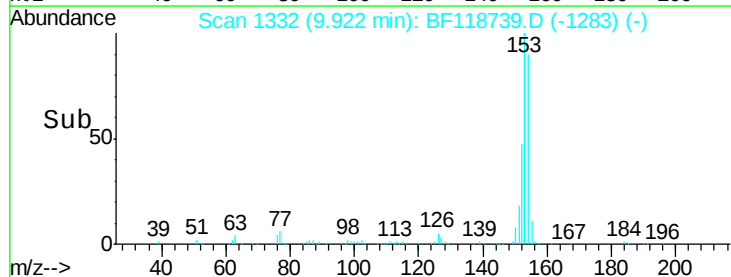
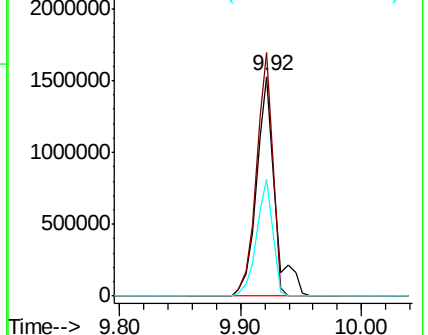
Acq: 29 Jan 2020 18:50

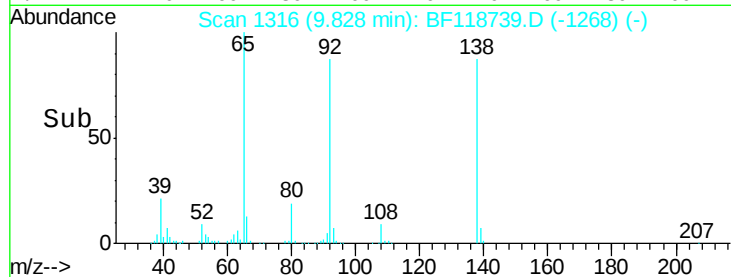
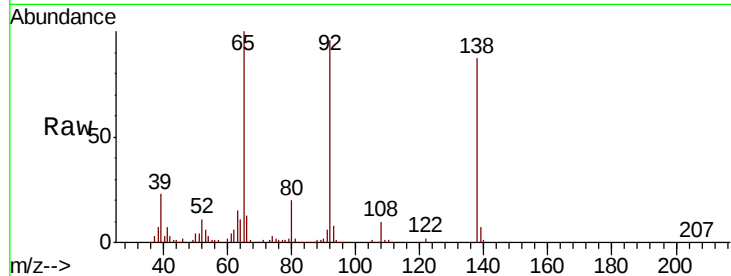
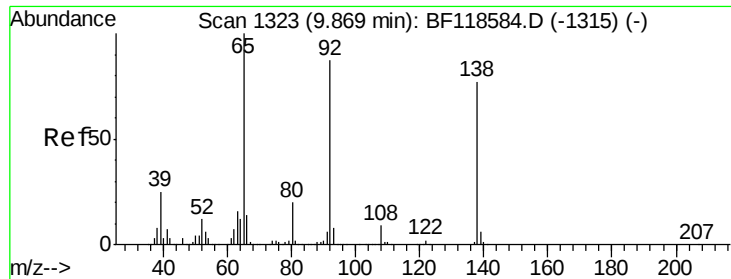
Tgt Ion:154 Resp: 1635733
Ion Ratio Lower Upper

154	100		
153	111.0	89.1	133.7
152	53.4	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





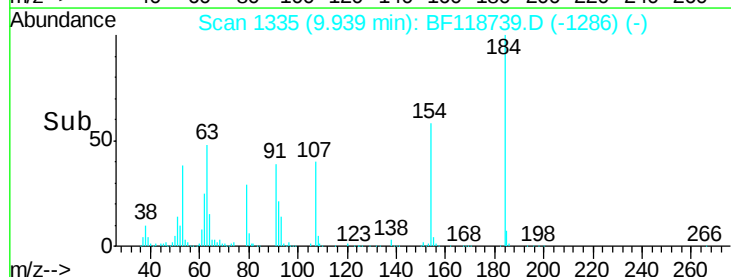
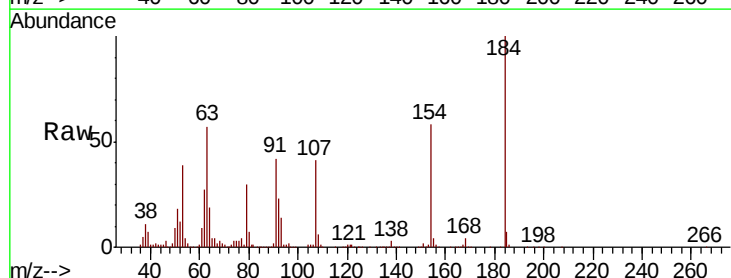
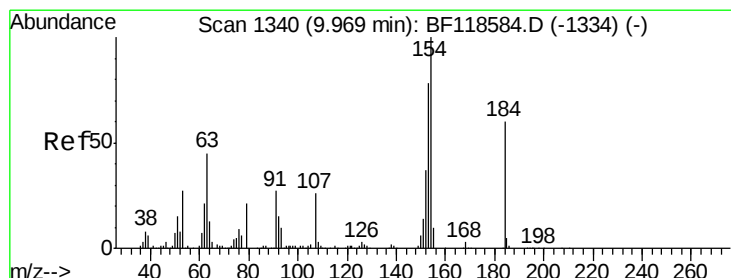
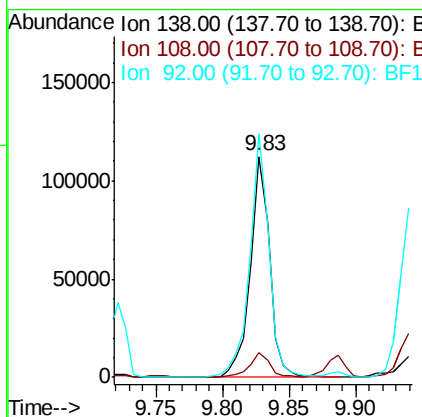
#53
3-Nitroaniline
Concen: 11.860 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.8	13.2
92	110.4	87.8	131.6

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

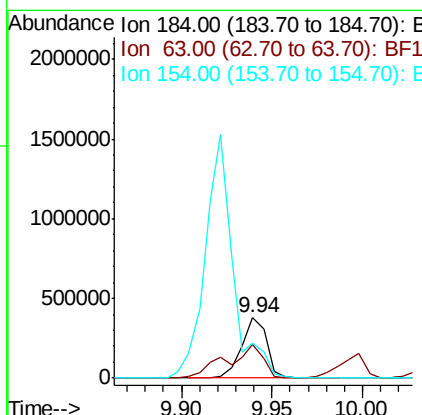
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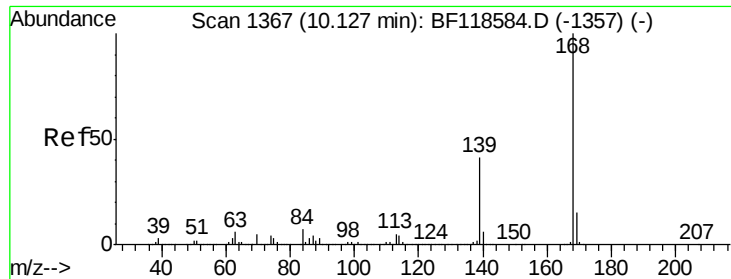
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#54
2,4-Dinitrophenol
Concen: 111.657 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.8	36.0	54.0#
154	58.3	44.6	66.8





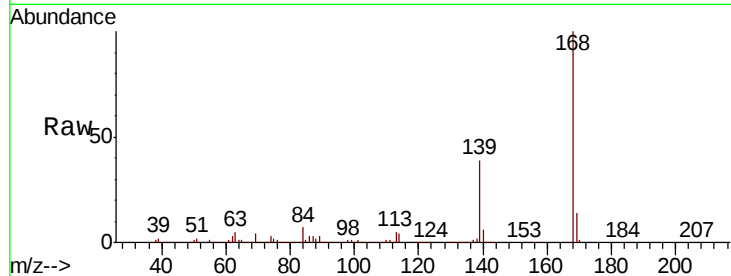
#55
Dibenzofuran
Concen: 51.062 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.6	47.4
169	14.2	11.4	17.0

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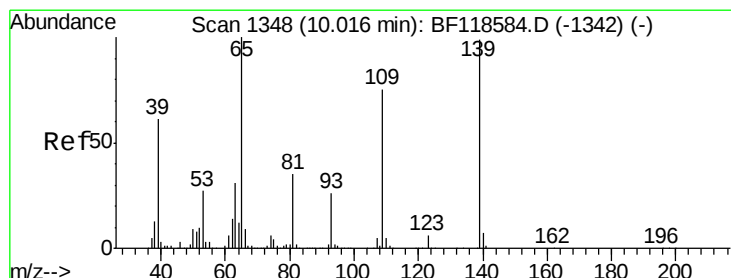
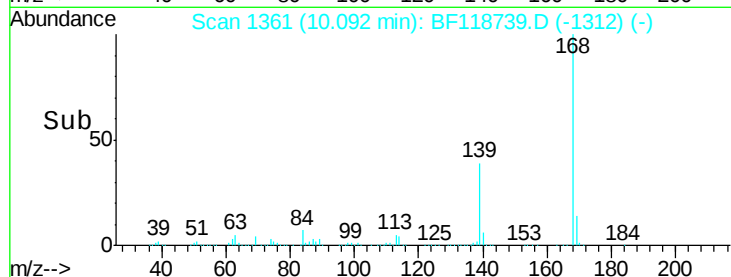
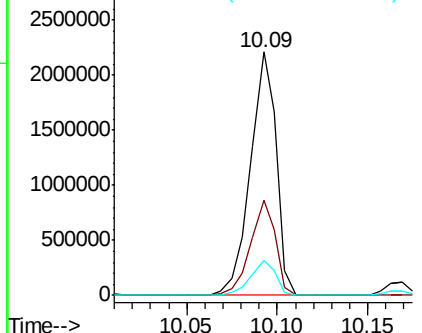


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 84.541 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

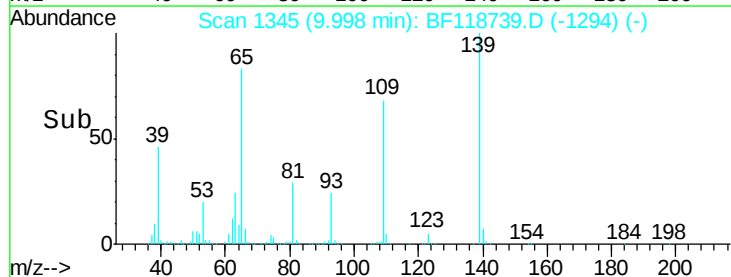
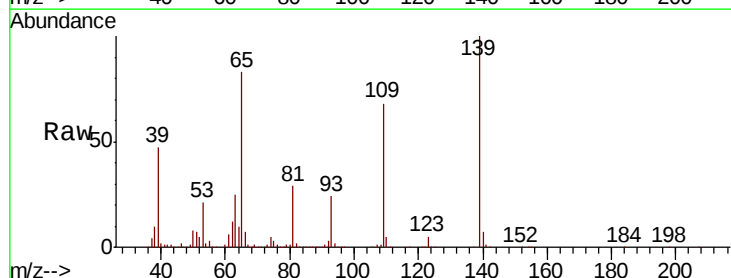
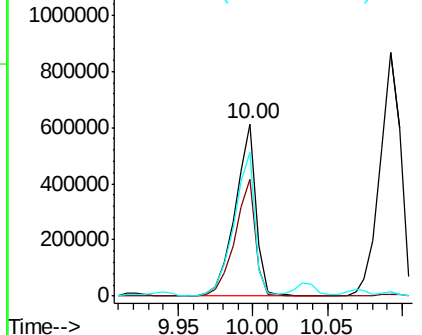
Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.6	47.0	87.0
65	83.3	65.7	105.7

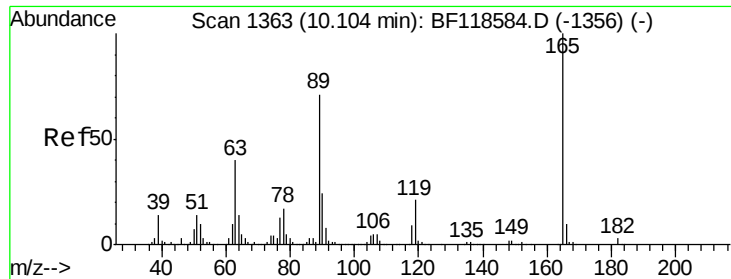
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





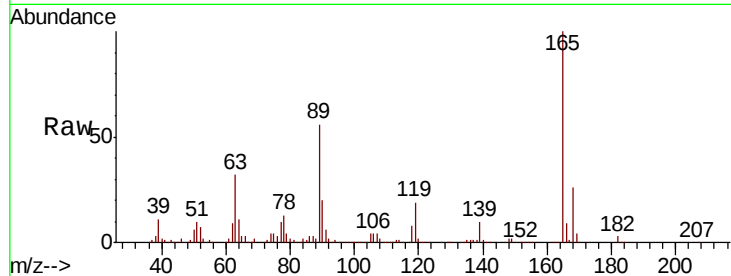
#57
2,4-Dinitrotoluene
Concen: 55.092 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

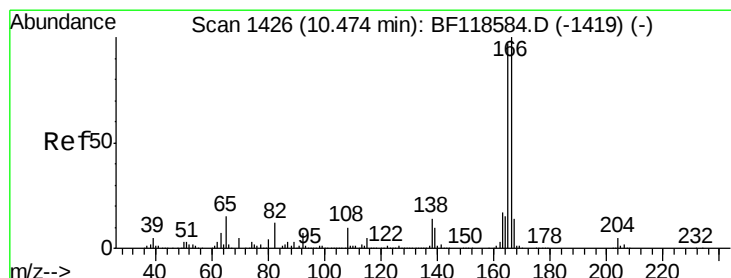
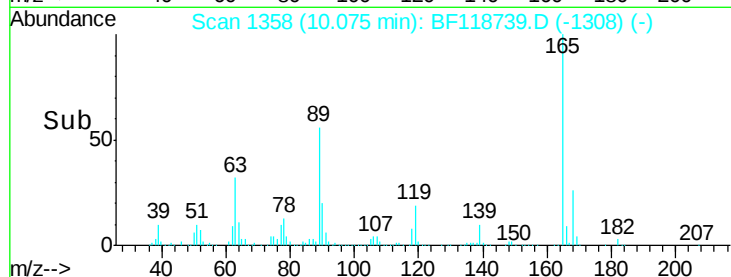
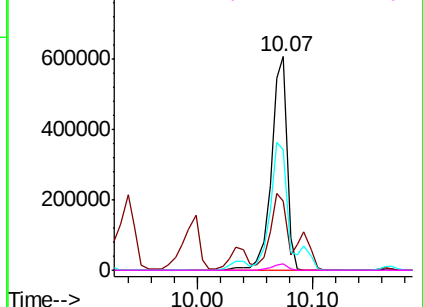
Tot Ion	Ratio	Lower	Upper
165	100		
63	32.2	28.5	42.7
89	56.1	50.4	75.6
182	3.2	2.3	3.5

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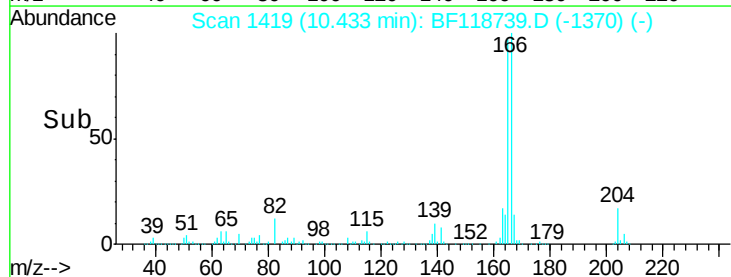
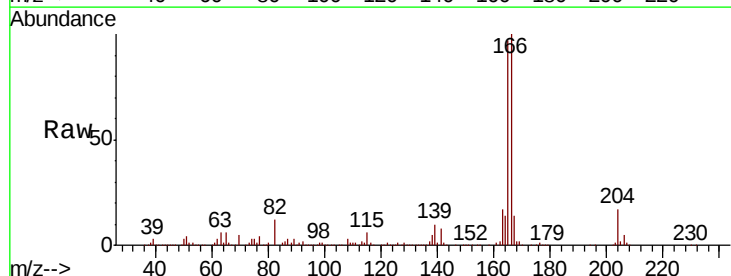
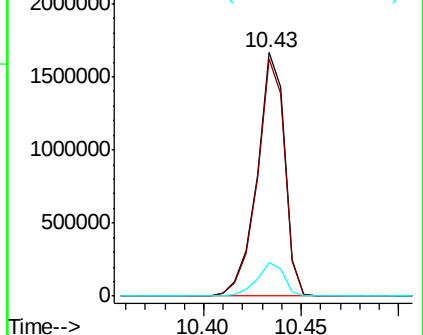
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

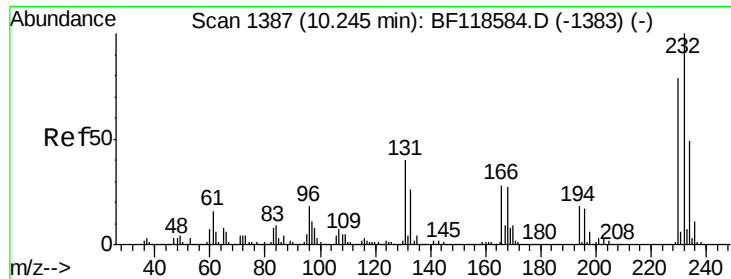


#58
Fluorene
Concen: 48.379 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	118.0
167	13.9	11.4	17.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.397 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

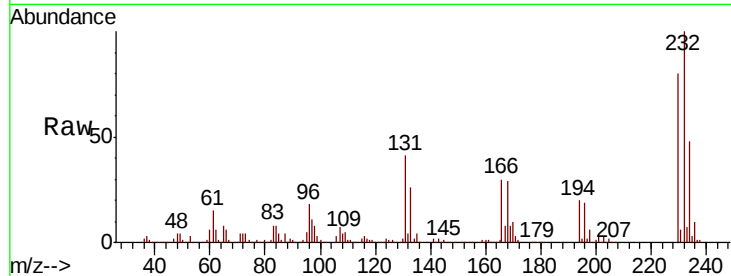
ClientSampleId :

PL-05-012820MSD

Tot Ion:	232	Resp:	499946
Ion Ratio	Lower	Upper	
232	100		
131	39.7	31.8	47.6
130	2.0	1.5	2.3
166	28.9	22.8	34.2

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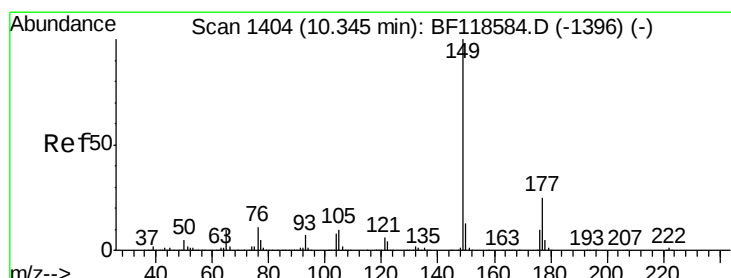
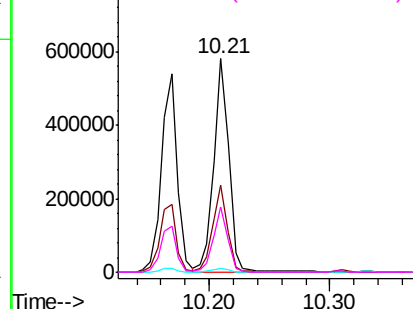
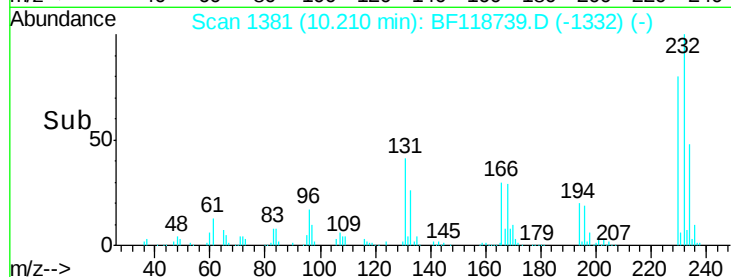
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 48.949 ng

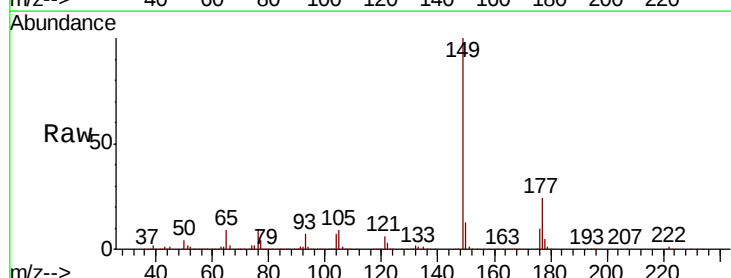
RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	149	Resp:	1748708
Ion Ratio	Lower	Upper	
149	100		
177	24.5	19.1	28.7
150	13.0	10.5	15.7

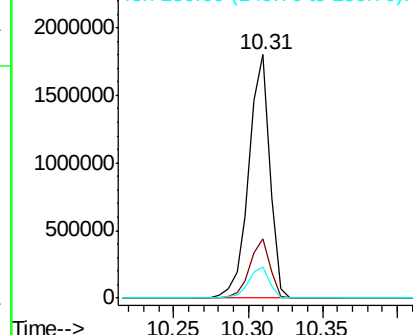
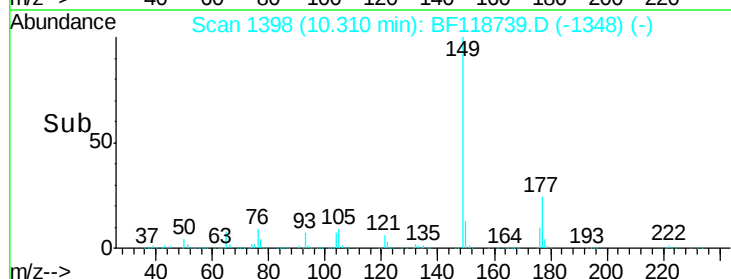


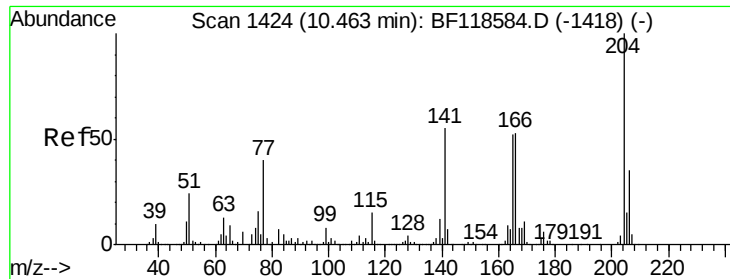
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





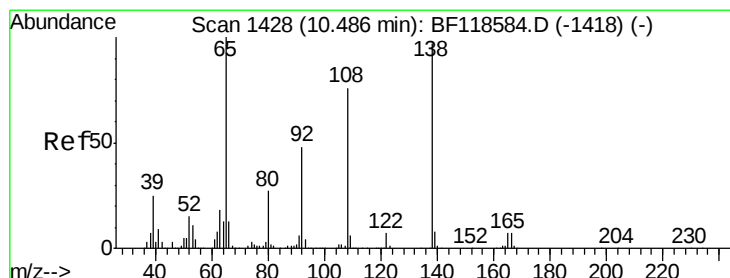
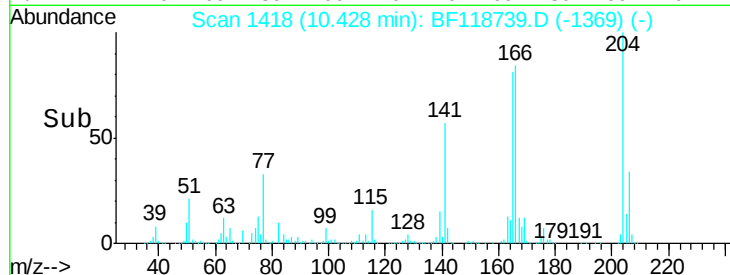
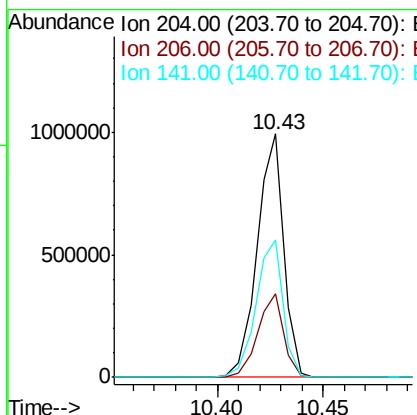
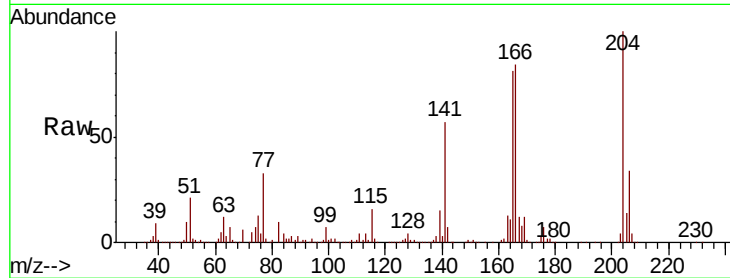
#61
 4-Chlorophenyl-phenylether
 Concen: 47.509 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion:	204	Resp:	868759
Ion Ratio	Lower	Upper	
204	100		
206	34.2	27.0	40.6
141	56.7	43.9	65.9

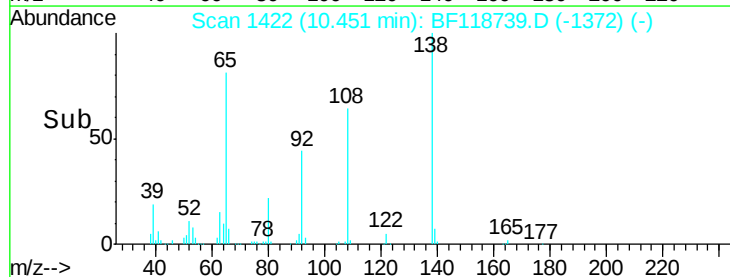
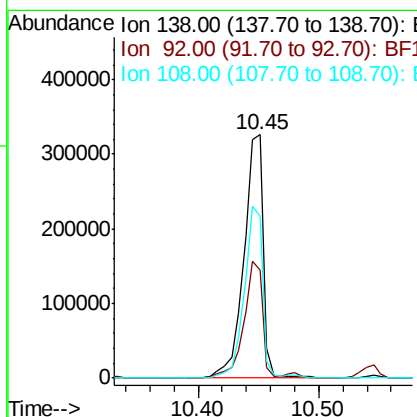
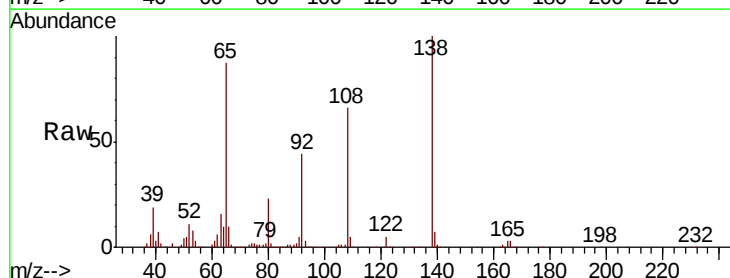
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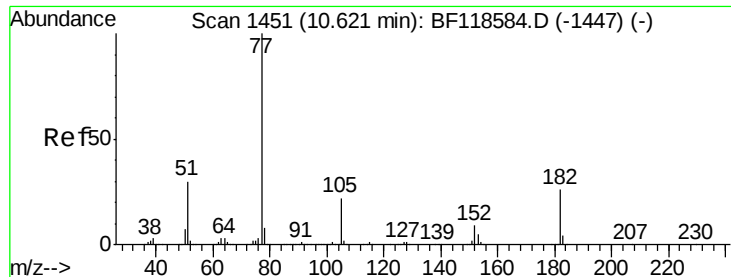
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#62
 4-Nitroaniline
 Concen: 37.835 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion:	138	Resp:	365642
Ion Ratio	Lower	Upper	
138	100		
92	44.1	29.2	69.2
108	66.3	50.8	90.8





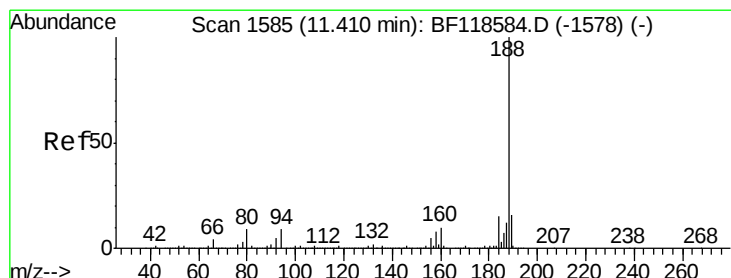
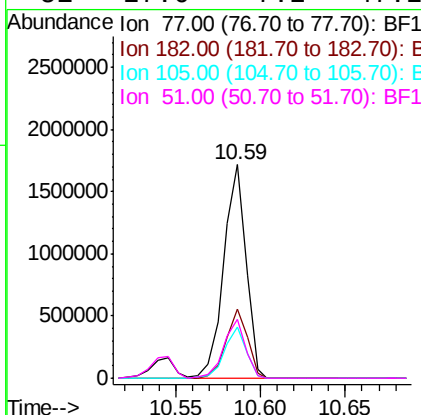
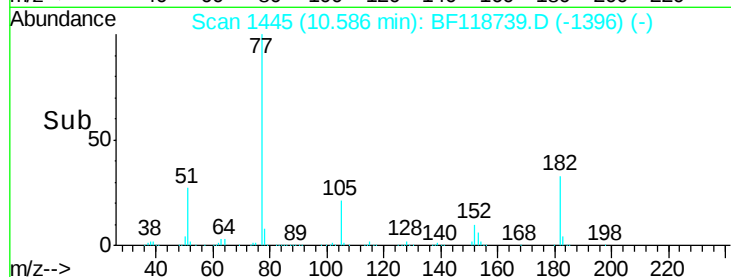
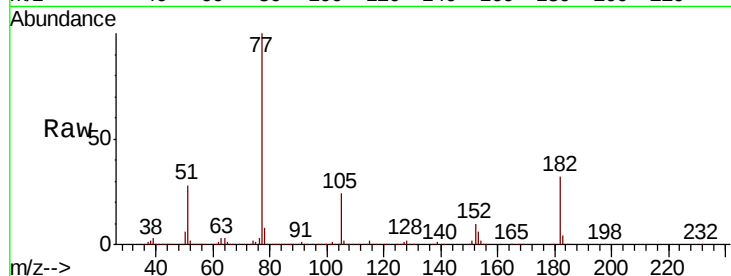
#63
Azobenzene
Concen: 45.446 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	32.1	12.3	52.3
105	23.9	4.0	44.0
51	27.6	7.2	47.2

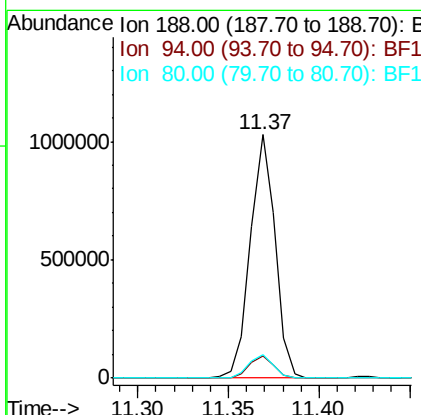
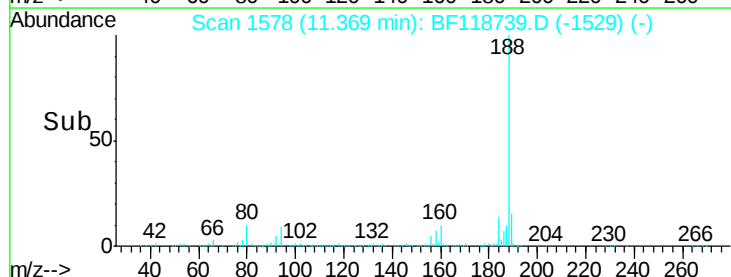
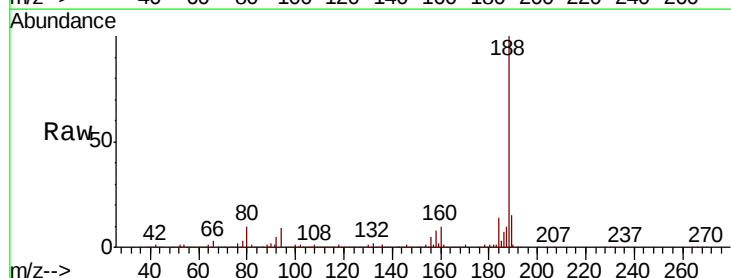
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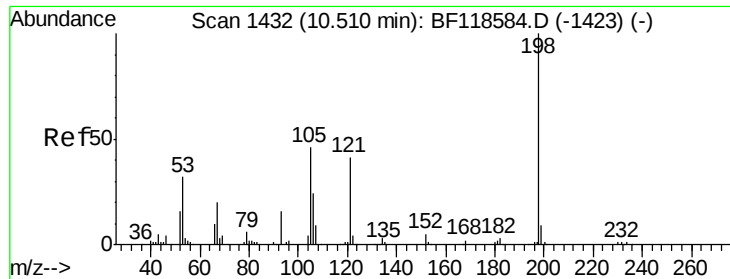
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	9.7	7.8	11.8





#65

4,6-Dinitro-2-methylphenol

Concen: 64.424 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:198 Resp: 277279

Ion Ratio Lower Upper

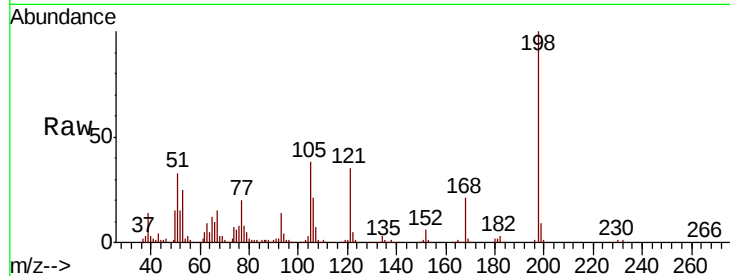
198 100

51 33.1 9.6 49.6

105 37.9 15.5 55.5

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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

600000

500000

400000

300000

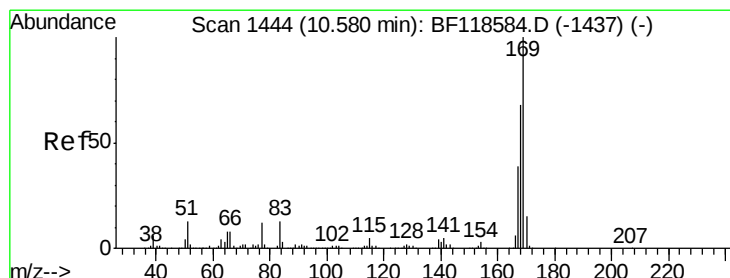
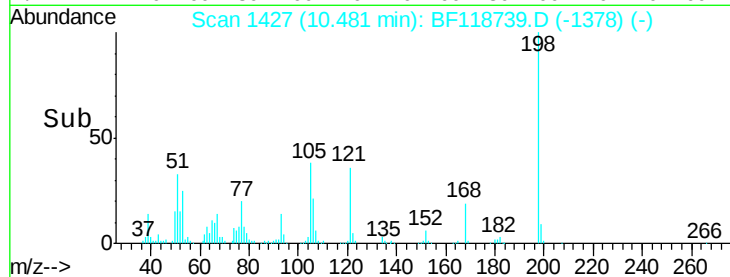
200000

100000

0

10.40 10.45 10.50 10.55

Time-->



#66

n-Nitrosodiphenylamine

Concen: 50.880 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

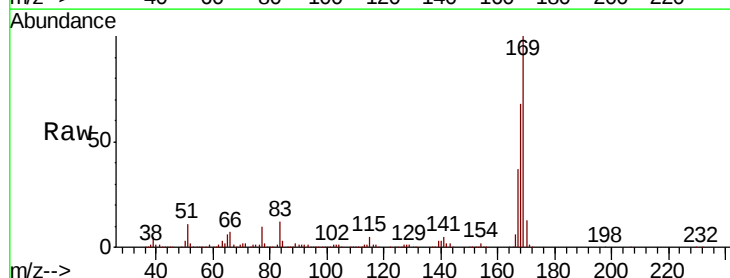
Tgt Ion:169 Resp: 1501879

Ion Ratio Lower Upper

169 100

168 67.6 53.4 80.0

167 36.6 29.2 43.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

2000000

1500000

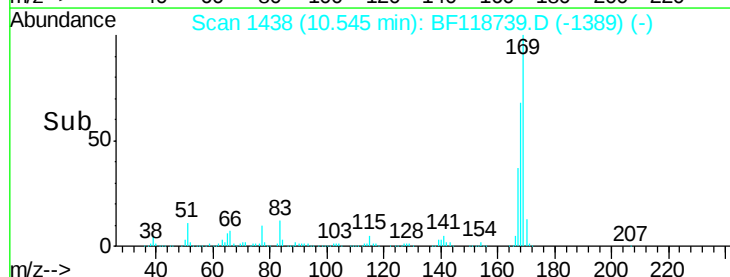
1000000

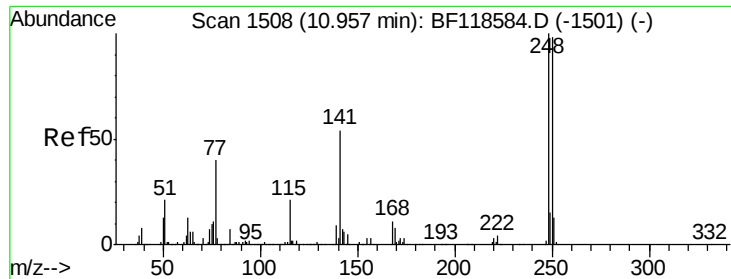
500000

0

10.50 10.55 10.60

Time-->





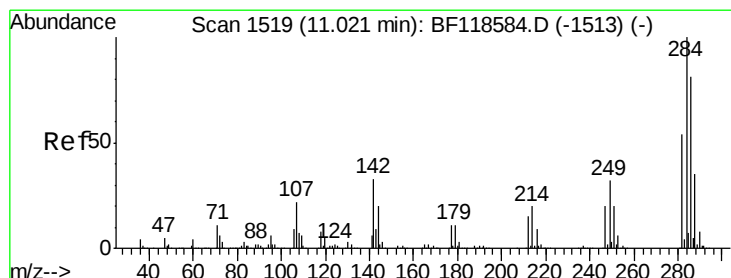
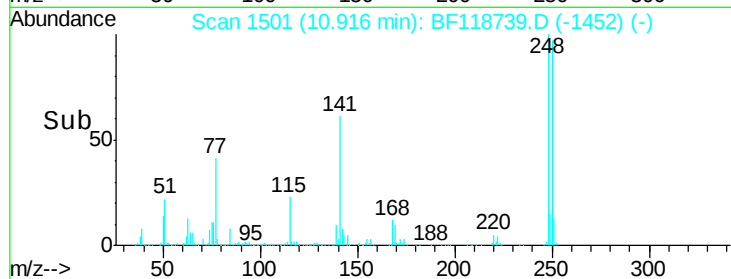
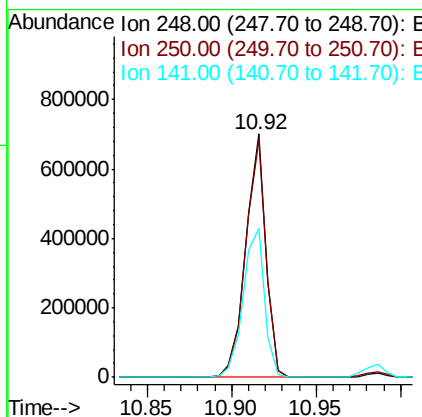
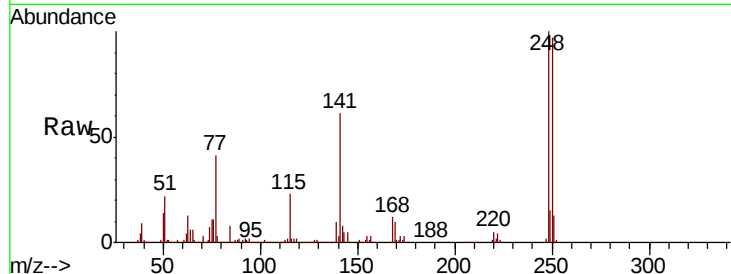
#67
4-Bromophenyl-phenylether
Concen: 48.333 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.7	118.1
141	61.4	48.4	72.6

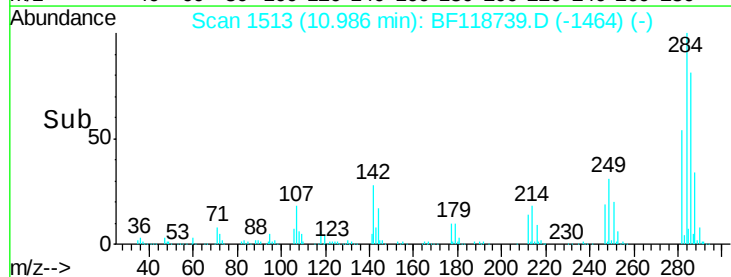
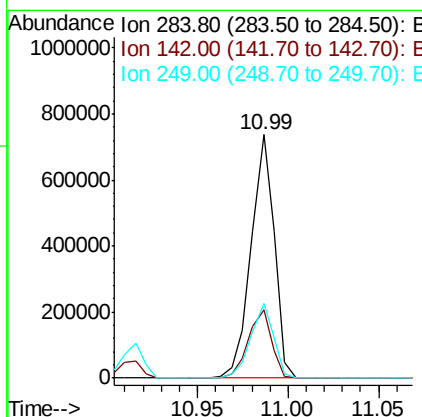
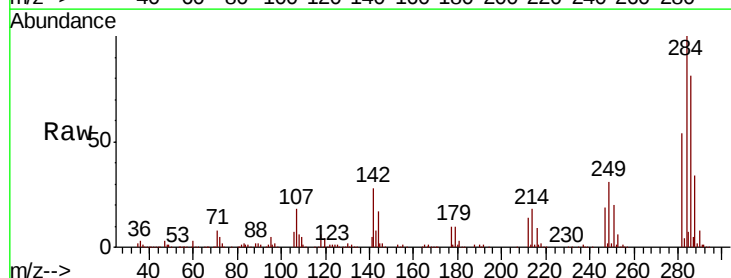
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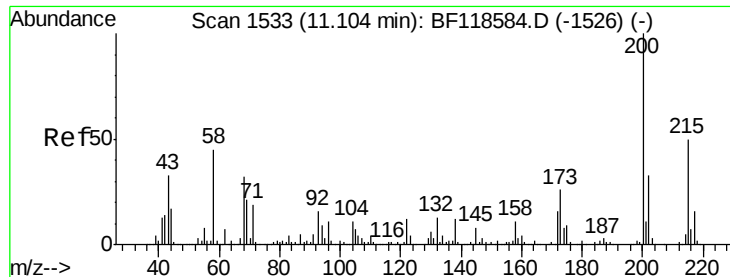
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#68
Hexachlorobenzene
Concen: 47.932 ng
RT: 10.99 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.3	23.1	34.7
249	30.5	24.0	36.0





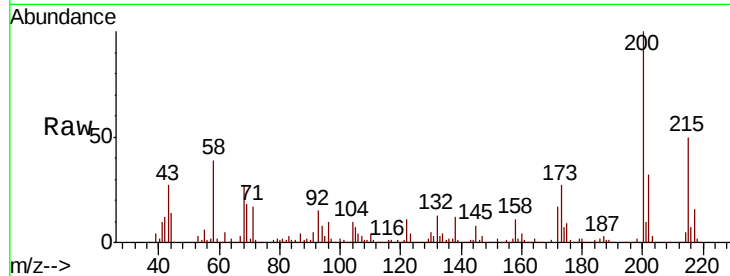
#69
Atrazine
Concen: 51.538 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.8	46.8
215	50.4	30.4	70.4

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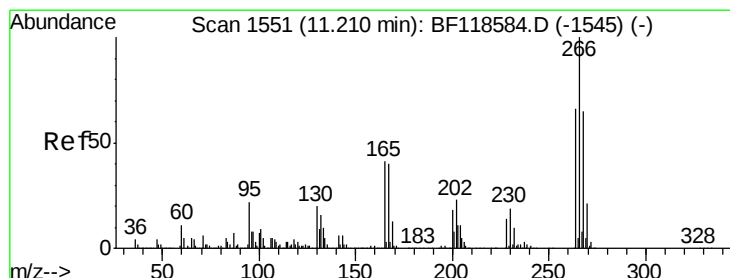
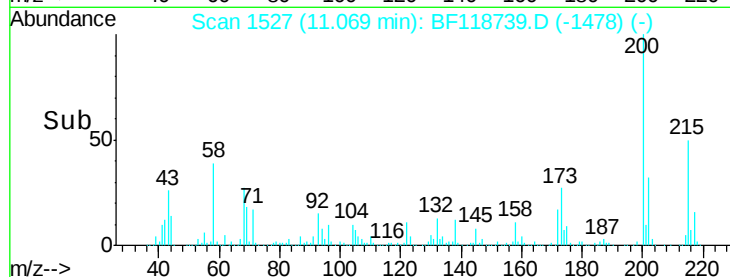
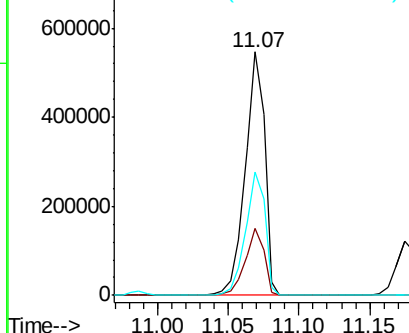


Abundance

Ion 200.00 (199.70 to 200.70): E

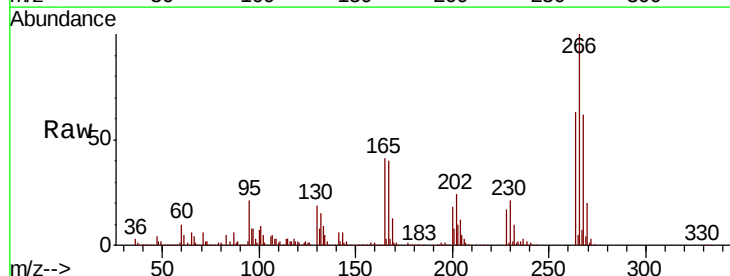
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 90.995 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.6	77.4
264	62.9	50.9	76.3

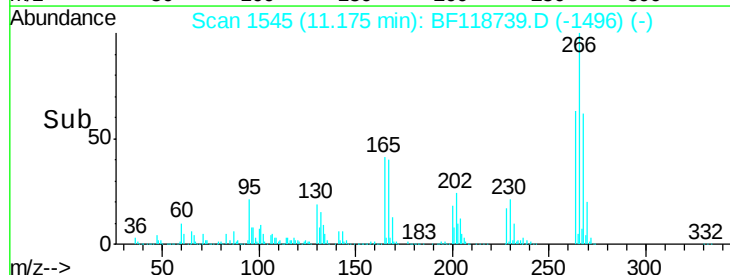
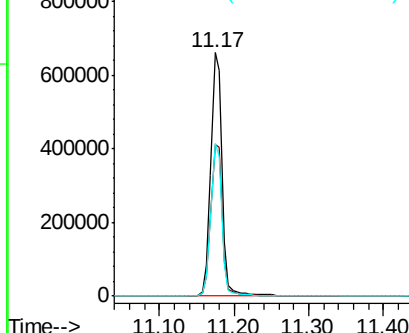


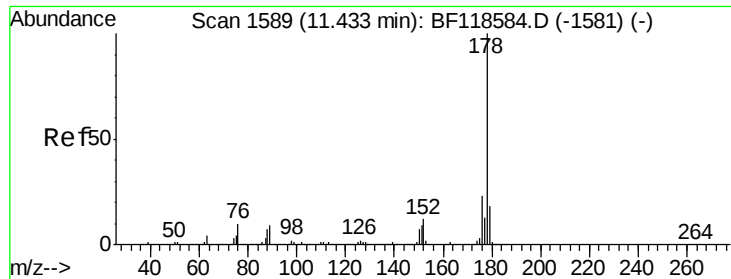
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





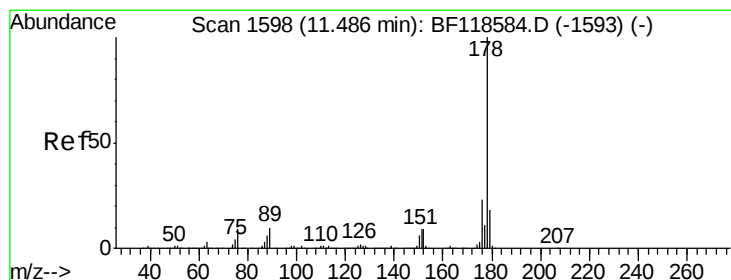
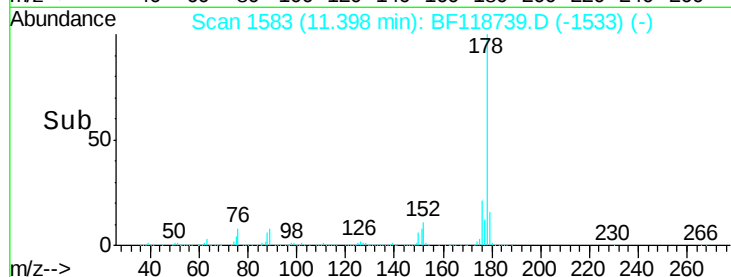
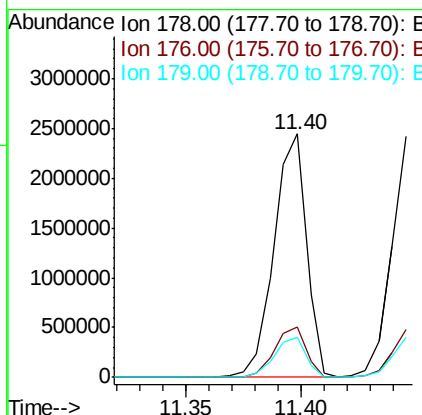
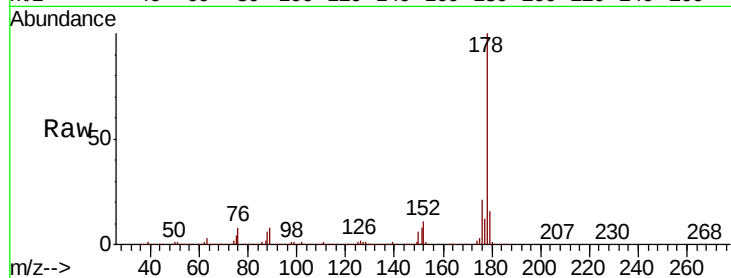
#71
Phenanthrene
Concen: 50.332 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion:178 Resp: 2376697
Ion Ratio Lower Upper
178 100
176 20.7 16.5 24.7
179 16.5 13.3 19.9

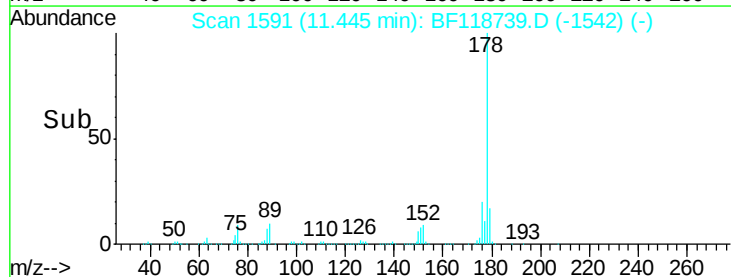
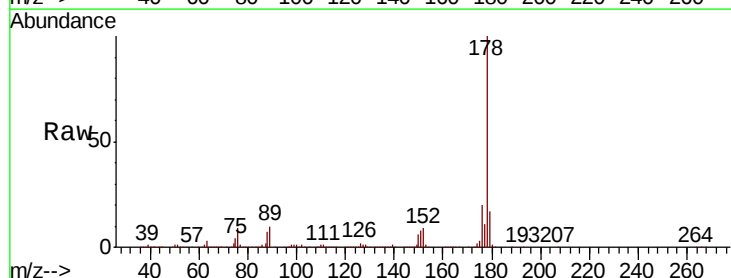
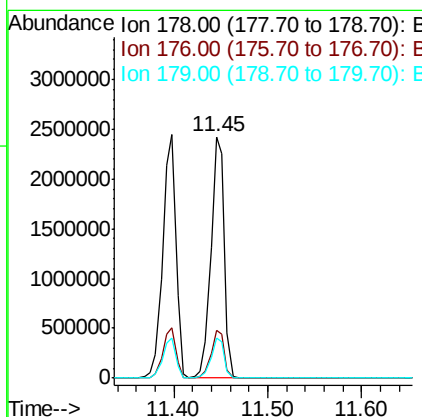
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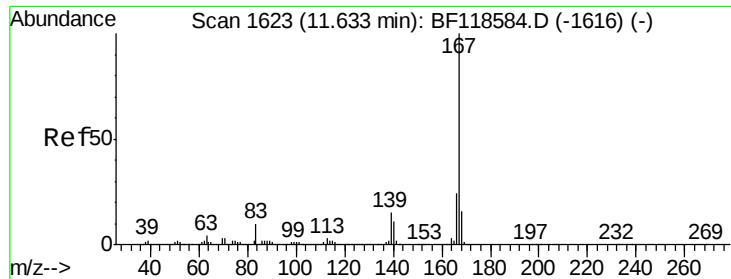
mohammad
1/30/2020 10:18:20 AM



#72
Anthracene
Concen: 52.529 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion:178 Resp: 2454396
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 16.6 13.3 19.9





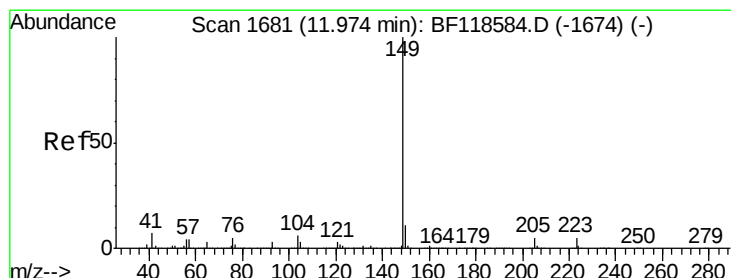
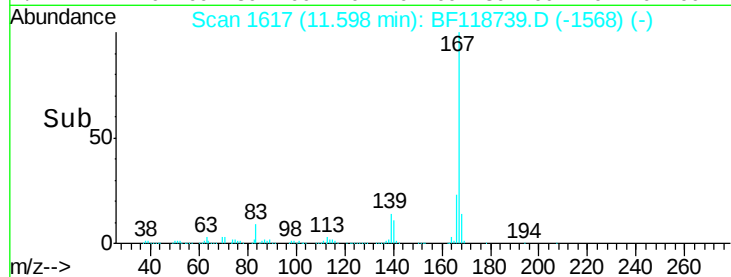
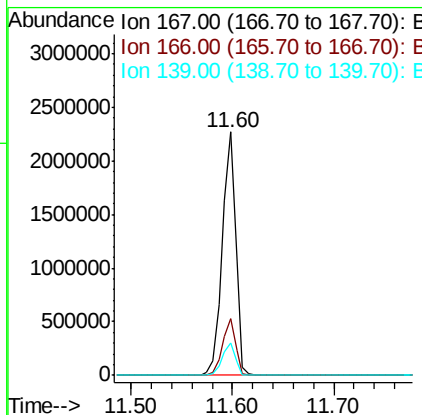
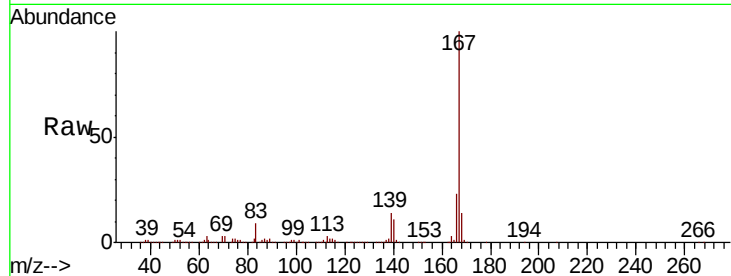
#73
 Carbazole
 Concen: 48.537 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.3	27.5
139	13.5	11.0	16.4

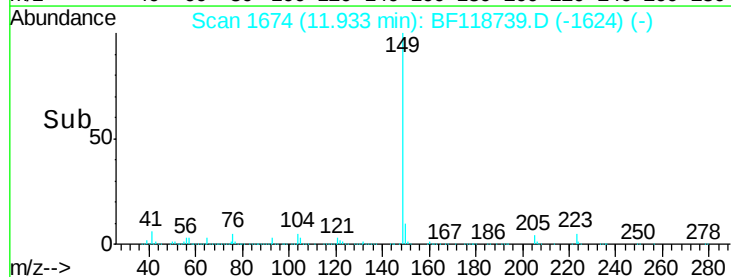
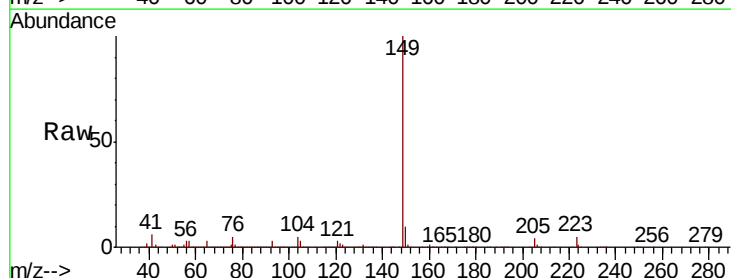
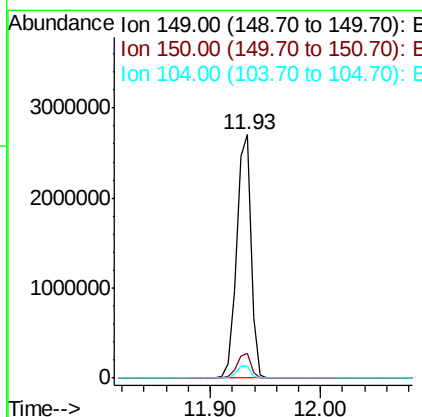
Manual Integrations
 APPROVED

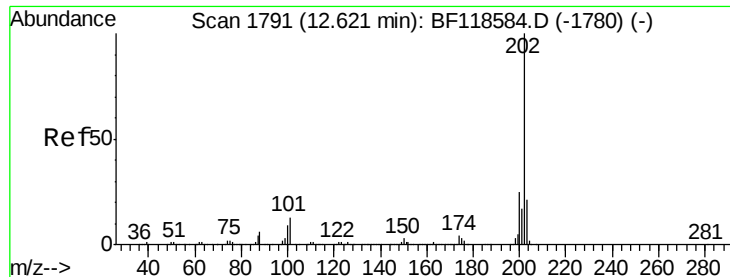
mohammad
 1/30/2020 10:18:20 AM



#74
 Di-n-butylphthalate
 Concen: 52.142 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.2	12.2
104	4.8	4.2	6.4





#75

Fluoranthene

Concen: 48.382 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

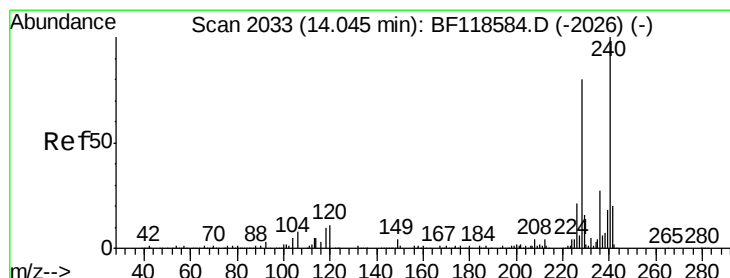
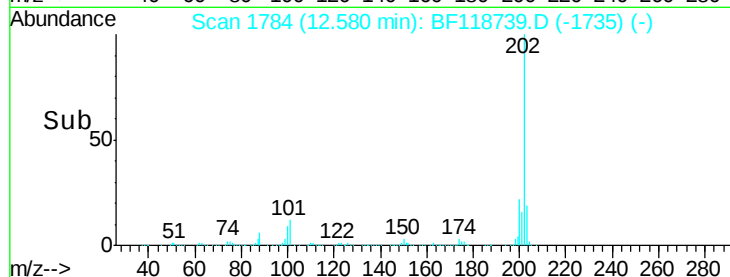
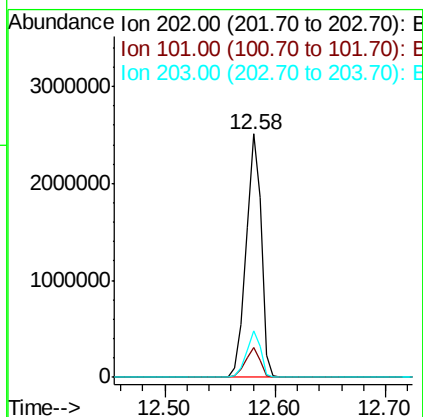
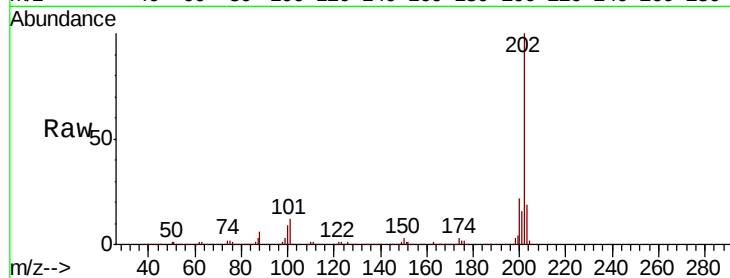
ClientSampleId :

PL-05-012820MSD

Tot Ion:	202	Resp:	2409616
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	32.1
203	18.9	0.0	38.9

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#76

Chrysene-d12

Concen: 20.000 ng

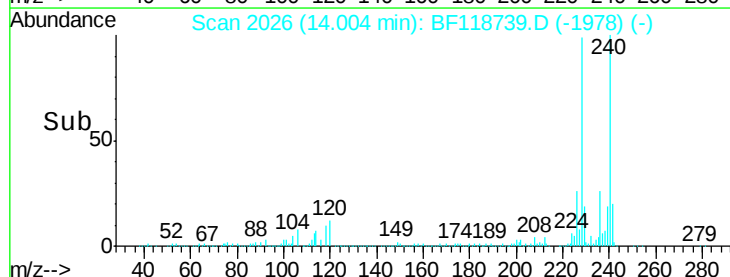
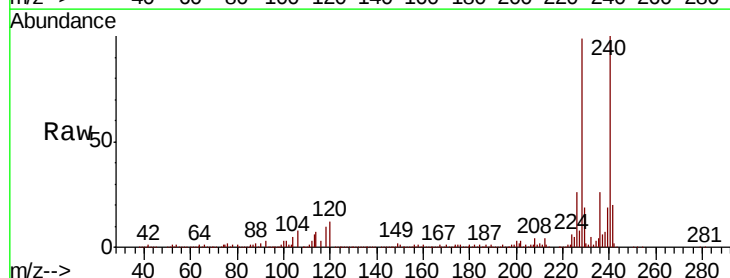
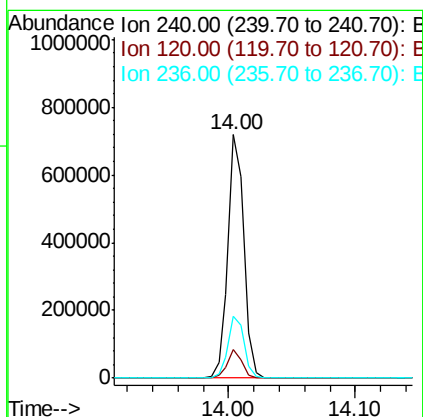
RT: 14.00 min Scan# 2026

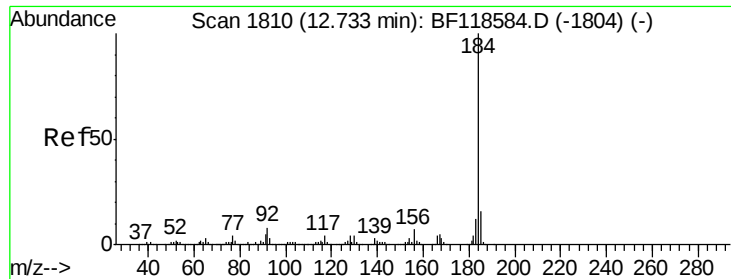
Delta R.T. -0.02 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Tgt Ion:	240	Resp:	626329
Ion Ratio	Lower	Upper	
240	100		
120	11.7	7.6	11.4#
236	25.6	21.0	31.4





#77

Benzidine

Concen: 40.170 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:184 Resp: 672239

Ion Ratio Lower Upper

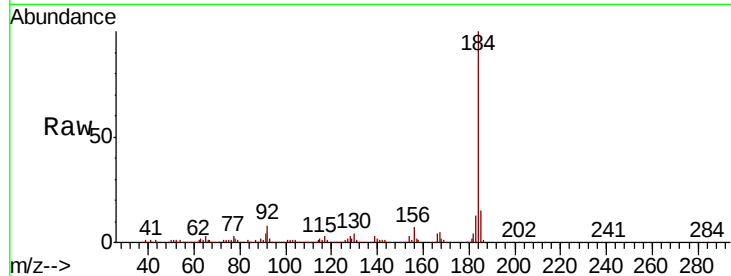
184 100

185 15.4 11.8 17.8

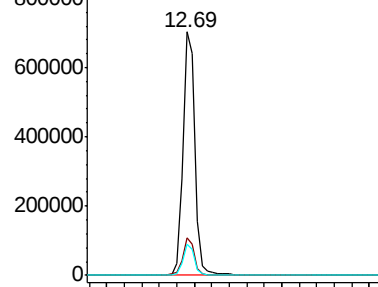
183 12.6 9.7 14.5

Manual Integrations
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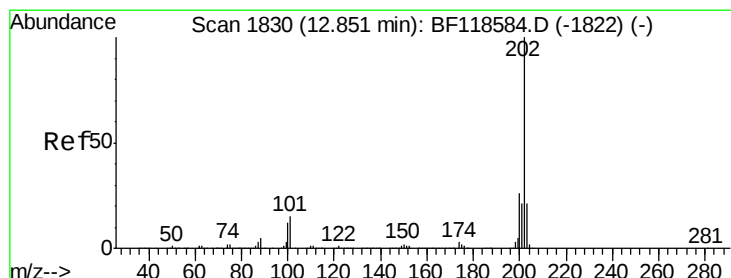
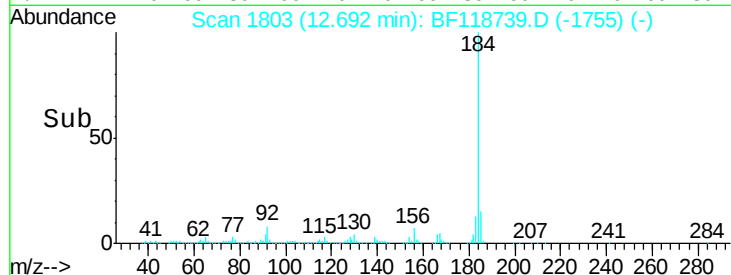
mohammad
1/30/2020 10:18:20 AM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 12.60 12.70 12.80



#78

Pyrene

Concen: 56.531 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

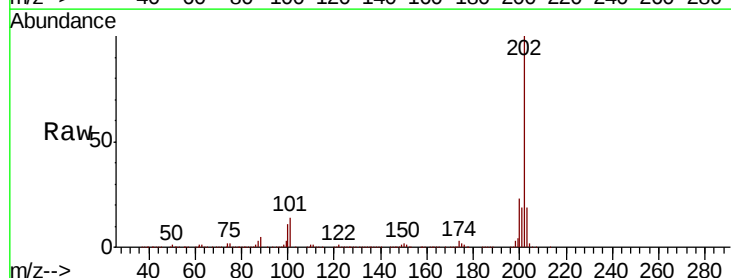
Tgt Ion:202 Resp: 2403838

Ion Ratio Lower Upper

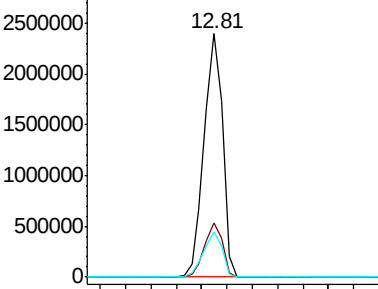
202 100

200 22.5 18.1 27.1

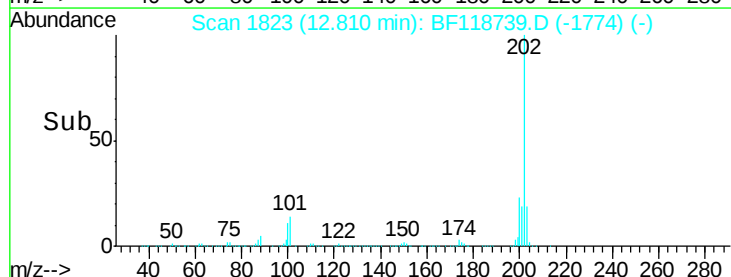
203 18.7 15.2 22.8

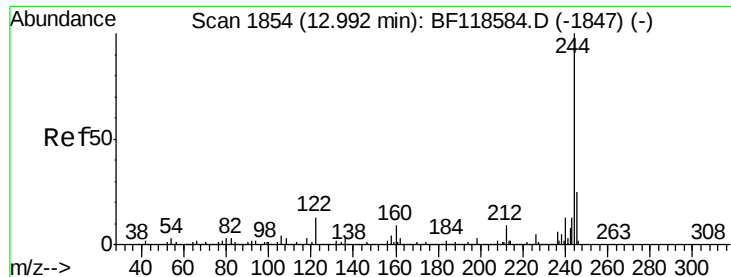


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.80 12.90





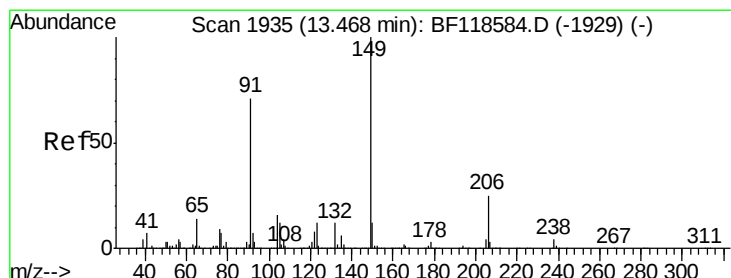
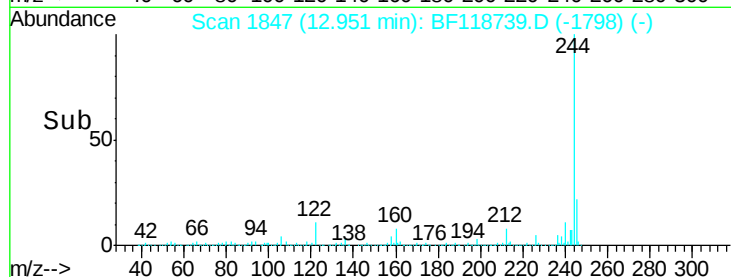
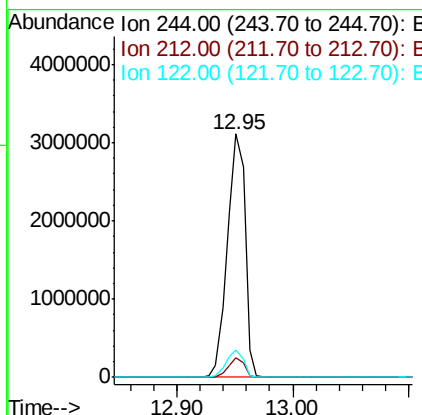
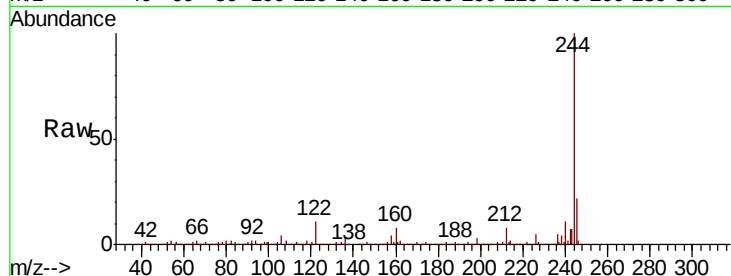
#79
 Terphenyl-d14
 Concen: 115.089 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	11.4	9.2	13.8

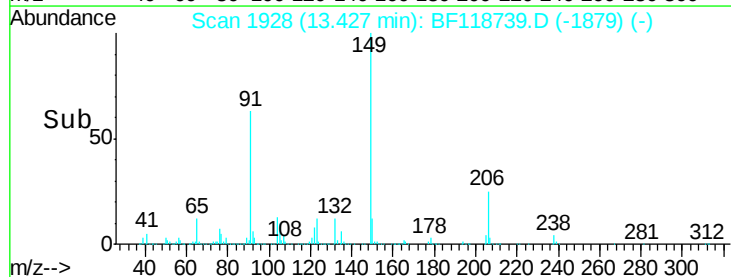
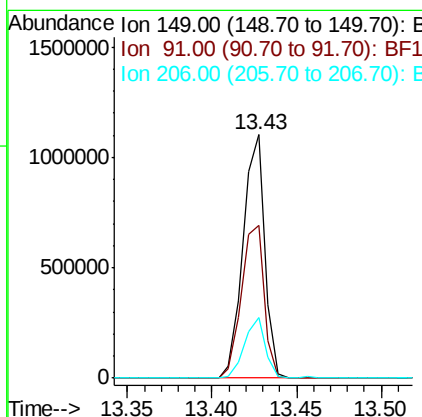
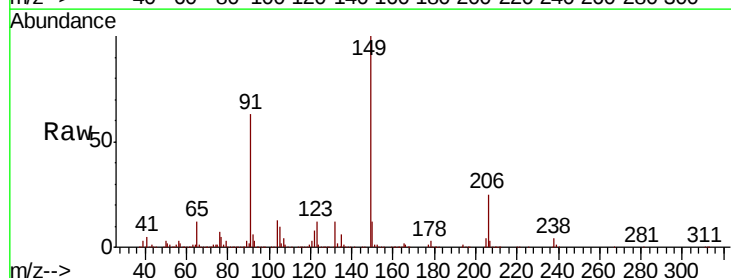
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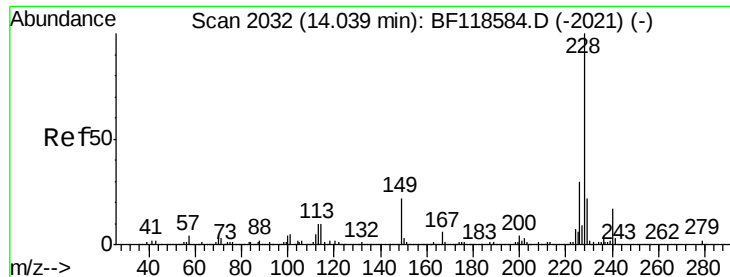
mohammad
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#80
 Butylbenzylphthalate
 Concen: 56.918 ng
 RT: 13.43 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
91	62.7	49.6	74.4
206	25.0	19.9	29.9





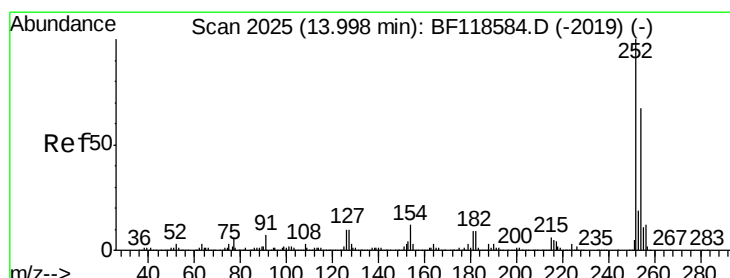
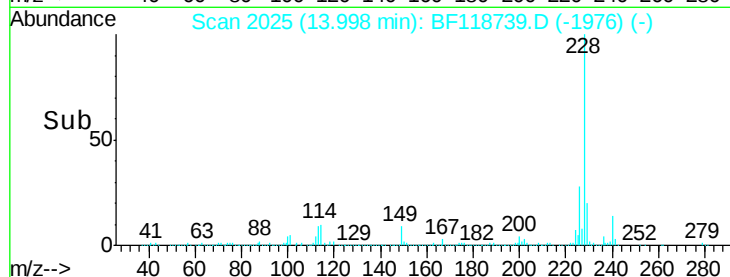
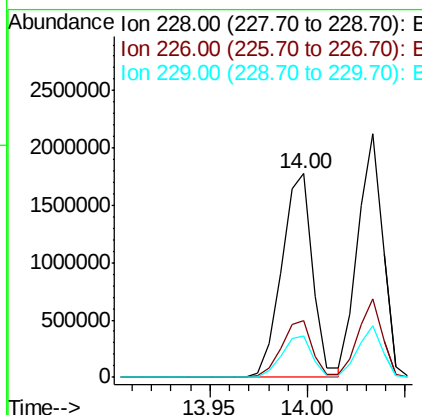
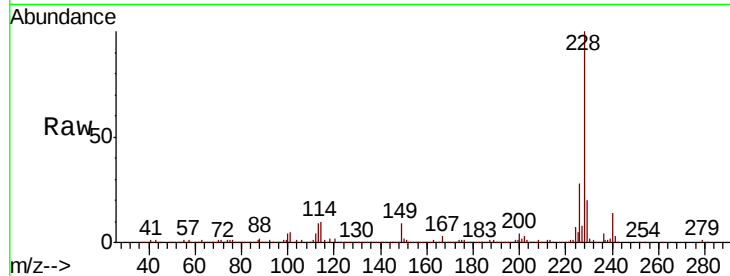
#81
Benzo(a)anthracene
Concen: 51.777 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	20.3	16.6	25.0

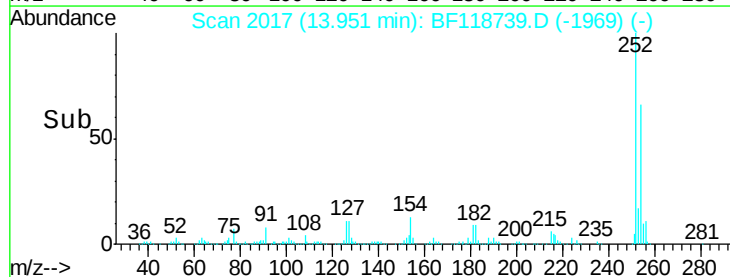
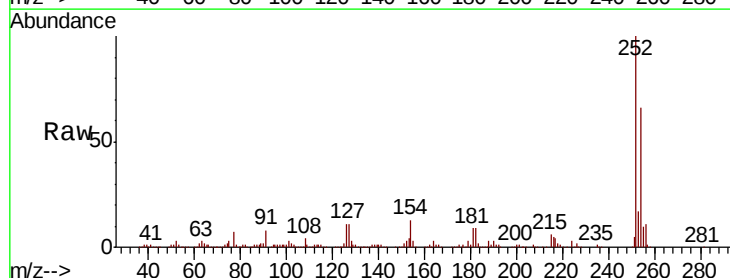
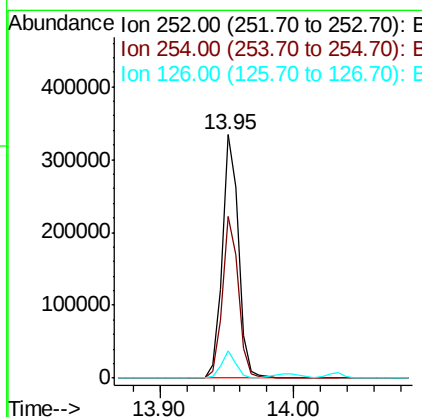
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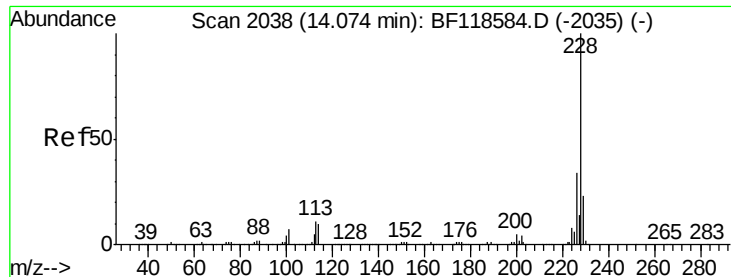
mohammad
1/30/2020 10:18:20 AM



#82
3,3'-Dichlorobenzidine
Concen: 21.477 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.3	52.6	78.8
126	11.0	8.1	12.1





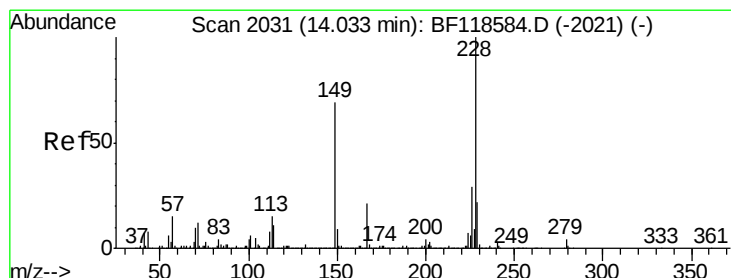
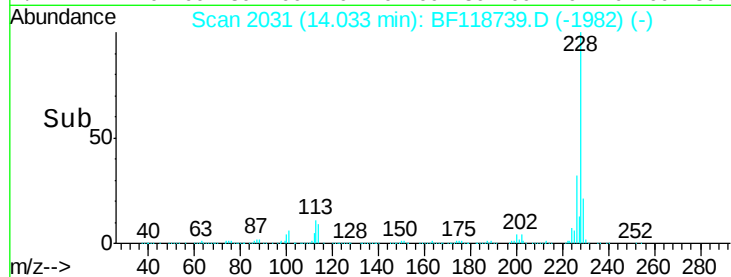
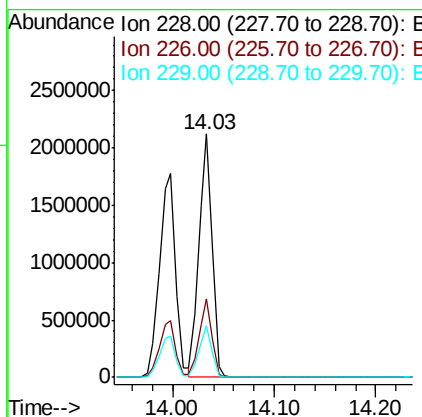
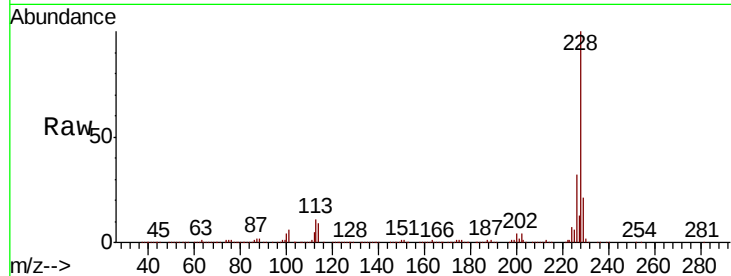
#83
 Chrvsene
 Concen: 52.525 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.6	38.4
229	21.0	17.1	25.7

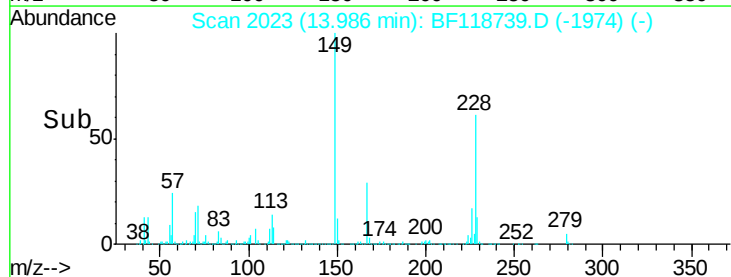
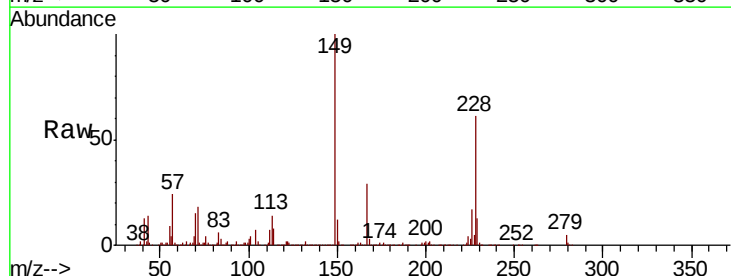
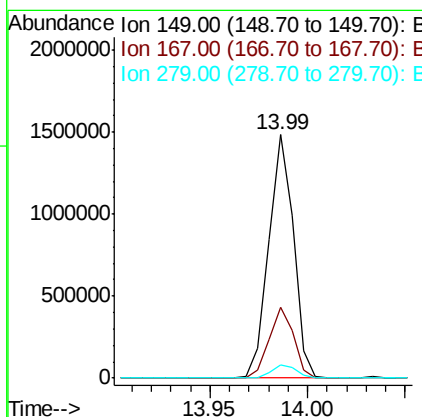
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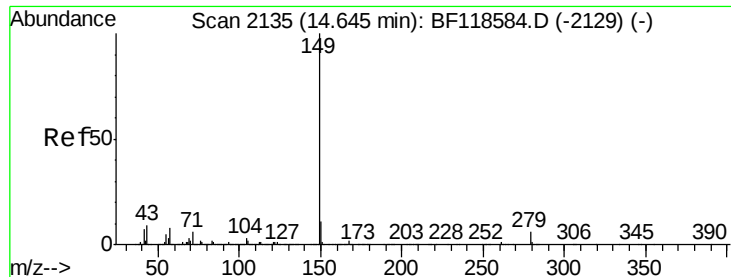
mohammad
 1/30/2020 10:18:20 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 61.490 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF118739.D
 Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.6	35.4
279	5.3	4.5	6.7





#85

Di-n-octyl phthalate

Concen: 69.895 ng

RT: 14.60 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:149 Resp: 2199642

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

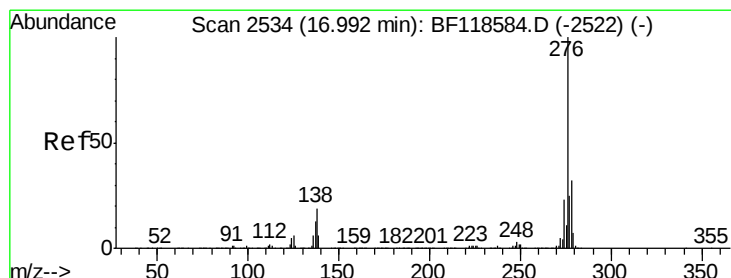
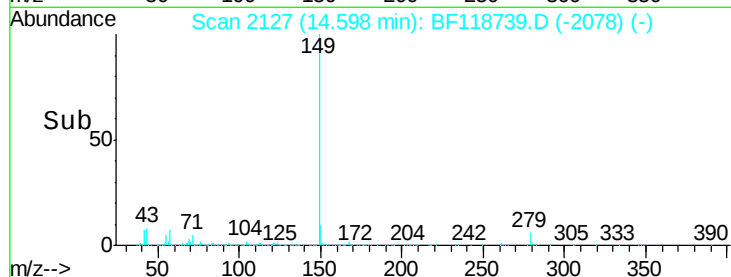
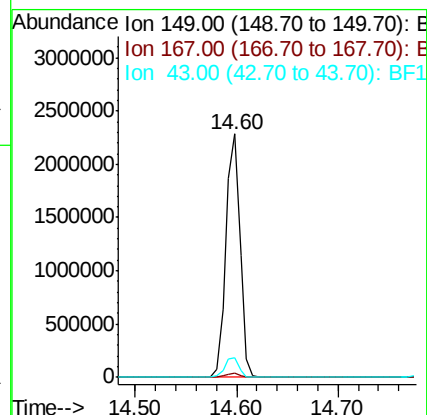
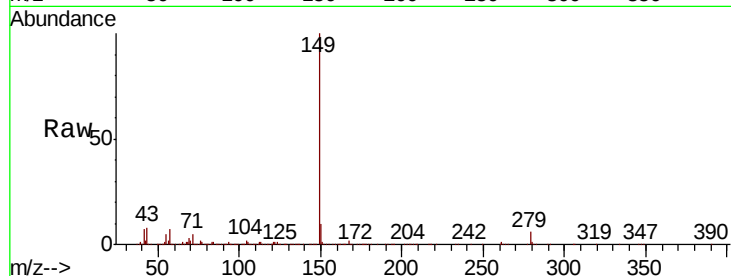
43 8.1 6.6 10.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 84.198 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF118739.D

Acq: 29 Jan 2020 18:50

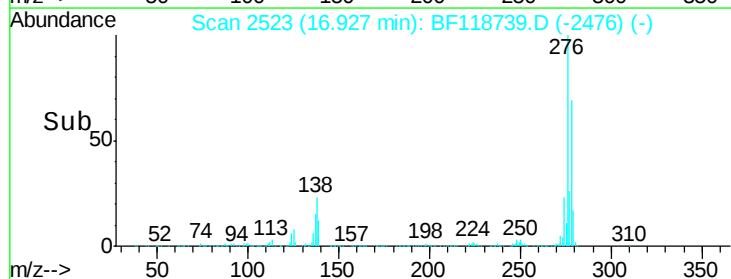
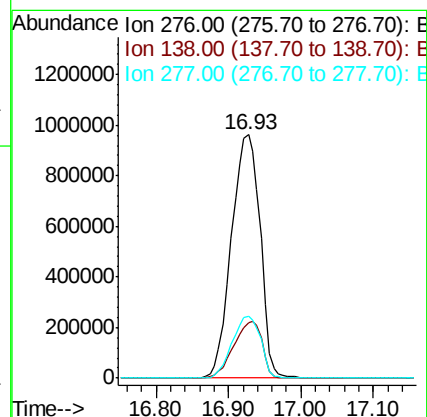
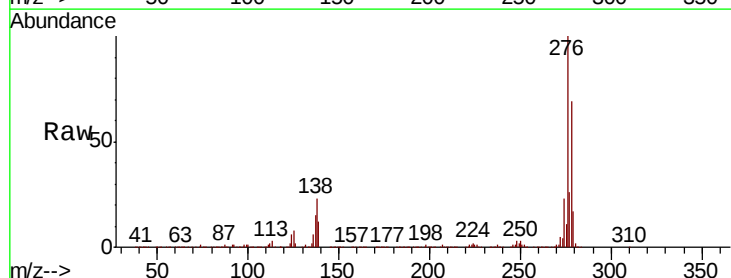
Tgt Ion:276 Resp: 2641764

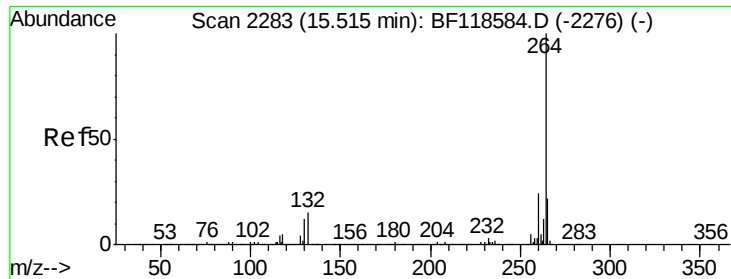
Ion Ratio Lower Upper

276 100

138 23.1 18.2 27.4

277 25.5 20.4 30.6





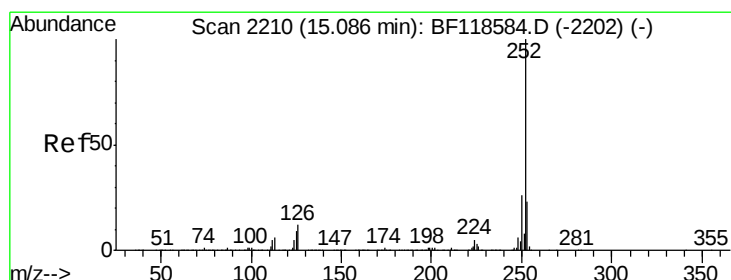
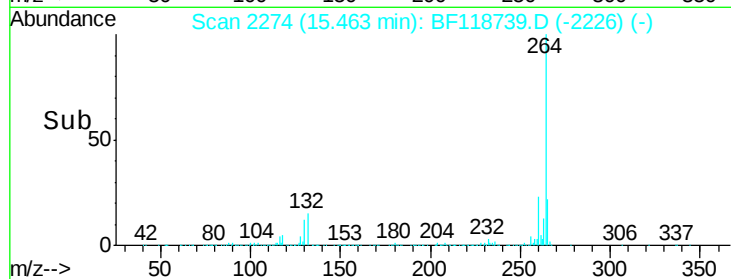
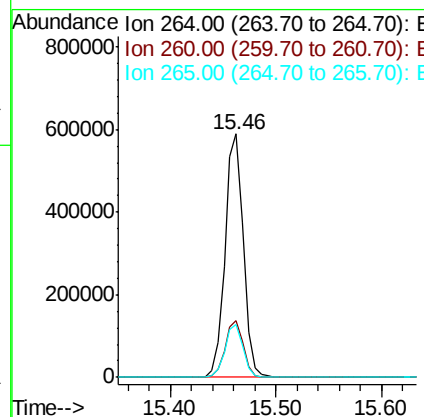
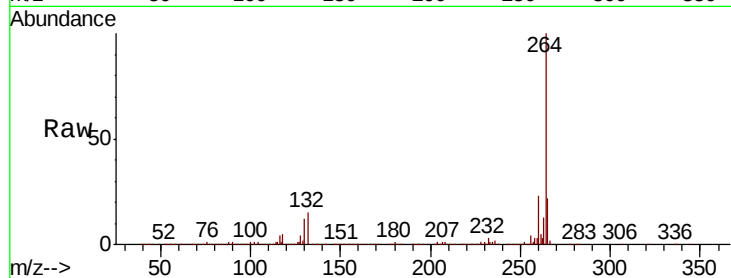
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.0	25.6

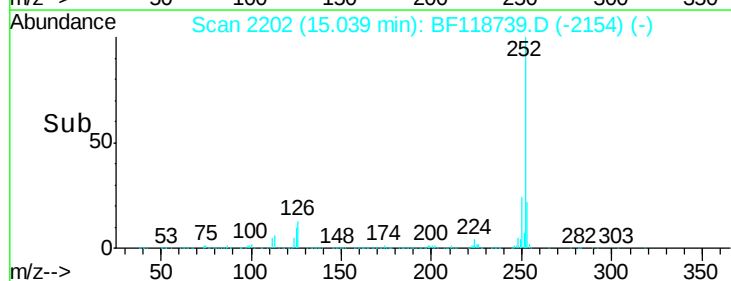
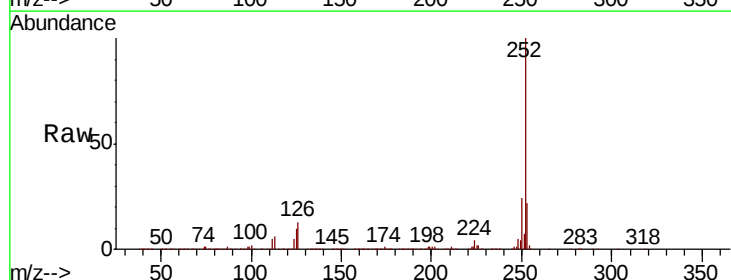
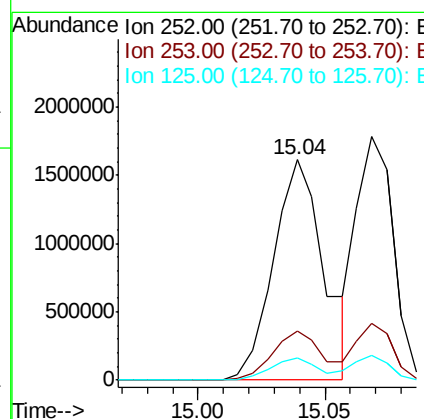
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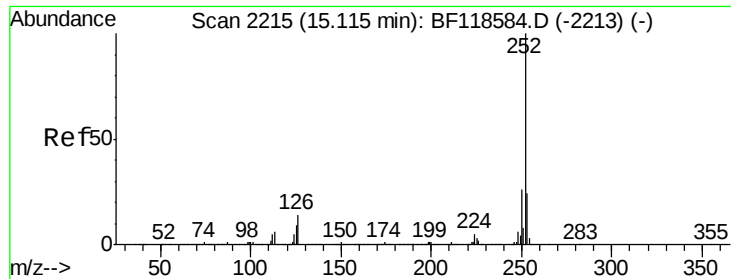
mohammad
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#88
Benzo(b)fluoranthene
Concen: 49.911 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	10.0	7.7	11.5





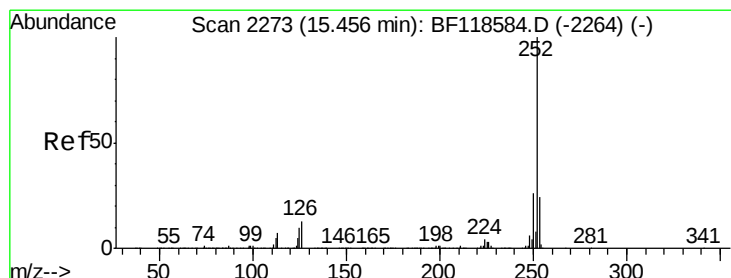
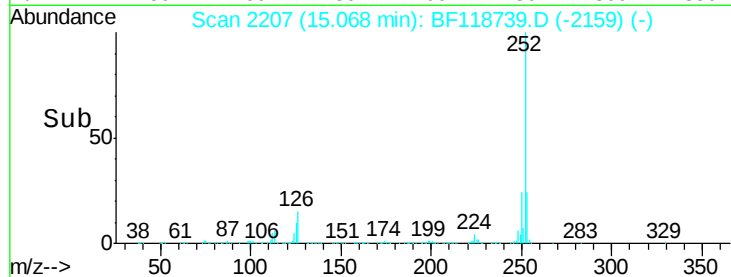
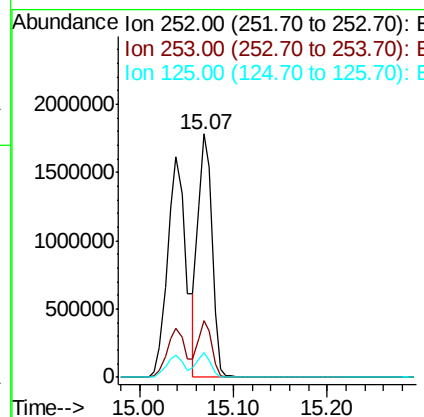
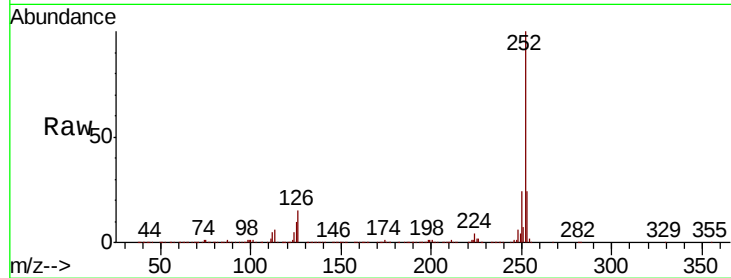
#89
Benzo(k)fluoranthene
Concen: 43.919 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	10.3	8.1	12.1

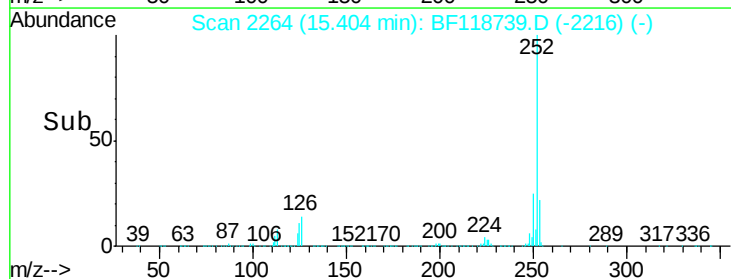
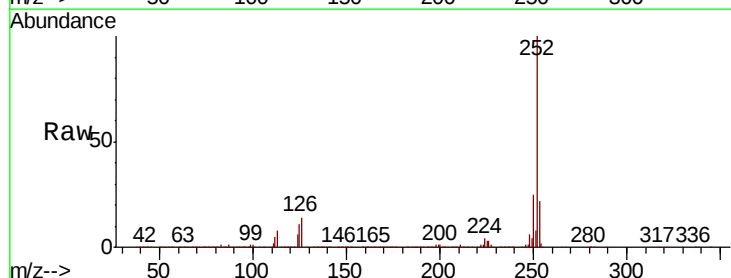
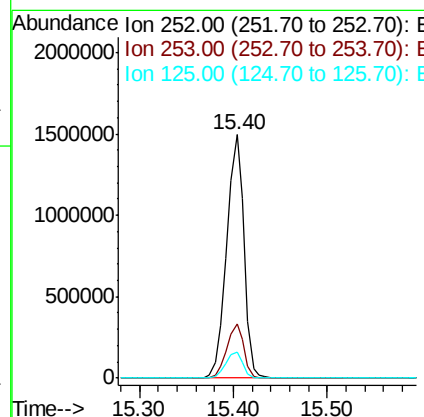
Manual Integrations
APPROVED

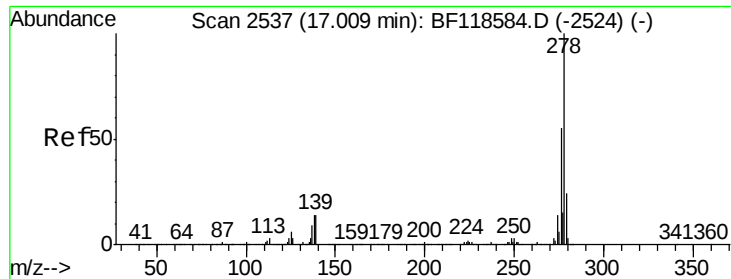
mohammad
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#90
Benzo(a)pyrene
Concen: 49.597 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	10.7	8.3	12.5





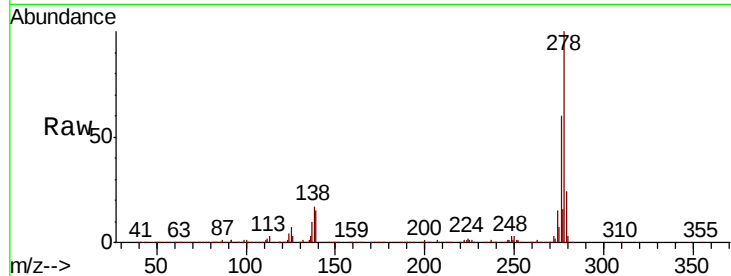
#91
Dibenzo(a,h)anthracene
Concen: 63.492 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

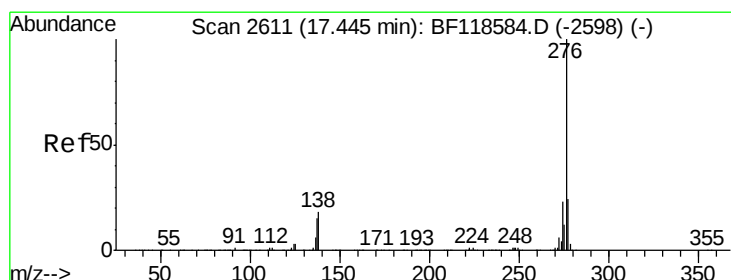
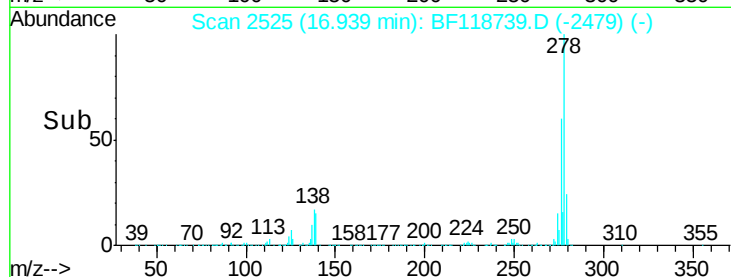
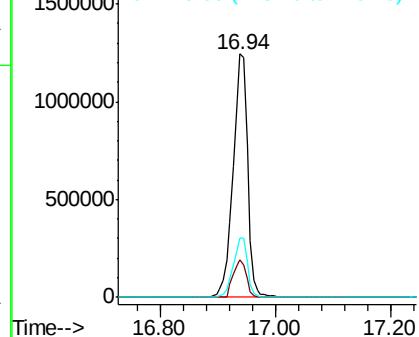
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	24.4	19.1	28.7

Manual Integrations
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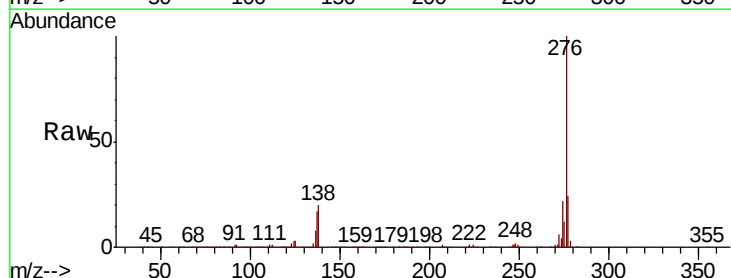


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 68.405 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BF118739.D
Acq: 29 Jan 2020 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	20.1	15.4	23.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

