

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118747.D
 Acq On : 29 Jan 2020 22:28
 Operator : CG/JU
 Sample : L1013-12MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Manual Integrations
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mohammad
 1/30/2020 10:18:23 AM

Quant Time: Jan 30 01:38:01 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	285138	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1056364	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	557831	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	949884	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	630111	20.00	ng	-0.02
87) Perylene-d12	15.46	264	722376	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1883377	122.67	ng	0.00
7) Phenol-d6	6.49	99	2128374	106.66	ng	0.00
23) Nitrobenzene-d5	7.41	82	1645096	87.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	863068	133.77	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	3119332	91.91	ng	-0.01
79) Terphenyl-d14	12.95	244	3323325	115.04	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.82	88	299742	40.309	ng	# 87
3) Pyridine	3.52	79	377651	18.019	ng	99
4) n-Nitrosodimethylamine	3.45	42	335746	37.366	ng	99
6) Aniline	6.51	93	233986	8.905	ng	100
8) 2-Chlorophenol	6.63	128	881422	51.149	ng	99
9) Benzaldehyde	6.40	77	436346	35.956	ng	98
10) Phenol	6.50	94	888982	39.092	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	814400	48.269	ng	98
12) 1,3-Dichlorobenzene	6.79	146	969519	48.068	ng	99
13) 1,4-Dichlorobenzene	6.87	146	982578	48.530	ng	100
14) 1,2-Dichlorobenzene	7.02	146	903499	47.470	ng	99
15) Benzyl Alcohol	6.99	79	736736	46.557	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	955299	40.650	ng	98
17) 2-Methylphenol	7.10	107	682211	47.528	ng	99
18) Hexachloroethane	7.36	117	345717	47.090	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	577968	42.896	ng	100
20) 3+4-Methylphenols	7.26	107	781249	44.579	ng	# 82
22) Acetophenone	7.26	105	1104268	44.128	ng	97
24) Nitrobenzene	7.43	77	877699	45.388	ng	100
25) Isophorone	7.67	82	1598708	46.411	ng	99
26) 2-Nitrophenol	7.75	139	475291	57.636	ng	99
27) 2,4-Dimethylphenol	7.79	122	727505	51.089	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	1005058	45.282	ng	100
29) 2,4-Dichlorophenol	7.99	162	757279	48.106	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	858636	47.043	ng	100
31) Naphthalene	8.15	128	2426904	50.858	ng	99
32) Benzoic acid	7.90	122	383932	35.924	ng	97
33) 4-Chloroaniline	8.19	127	118717	5.383	ng	99
34) Hexachlorobutadiene	8.27	225	514310	46.270	ng	98
35) Caprolactam	8.56	113	176373m	34.237	ng	
36) 4-Chloro-3-methylphenol	8.68	107	749075	48.188	ng	99
37) 2-Methylnaphthalene	8.85	142	1691477	50.217	ng	99
38) 1-Methylnaphthalene	8.95	142	1598002	49.937	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	820929	47.033	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	822432	93.392	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	572949	49.468	ng	98
44) 2,4,5-Trichlorophenol	9.16	196	589361	49.824	ng	99
46) 1,1'-Biphenyl	9.31	154	1986337	51.666	ng	100
47) 2-Chloronaphthalene	9.33	162	1597720	49.305	ng	100
48) 2-Nitroaniline	9.42	65	426407	42.807	ng	98
49) Acenaphthylene	9.75	152	2409472	52.854	ng	99
50) Dimethylphthalate	9.61	163	1968213	54.156	ng	99
51) 2,6-Dinitrotoluene	9.67	165	435269	53.484	ng	91
52) Acenaphthene	9.92	154	1576123	51.705	ng	100
53) 3-Nitroaniline	9.83	138	100301	10.793	ng	98
54) 2,4-Dinitrophenol	9.94	184	276471	85.094	ng	# 91
55) Dibenzofuran	10.09	168	2161289	51.162	ng	99
56) 4-Nitrophenol	10.00	139	586159	83.555	ng	97
57) 2,4-Dinitrotoluene	10.07	165	562046	54.783	ng	94
58) Fluorene	10.43	166	1601684	48.297	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	491193	47.211	ng	100
60) Diethylphthalate	10.31	149	1733996	49.209	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	850185	47.136	ng	97
62) 4-Nitroaniline	10.45	138	359058	37.668	ng	95
63) Azobenzene	10.59	77	1559277	45.691	ng	98
65) 4,6-Dinitro-2-methylphenol	10.48	198	241371	57.787	ng	95
66) n-Nitrosodiphenylamine	10.55	169	1493274	52.128	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	576996	49.167	ng	98
68) Hexachlorobenzene	10.99	284	638769	48.010	ng	98
69) Atrazine	11.07	200	530362	53.416	ng	100
70) Pentachlorophenol	11.17	266	649341	87.780	ng	99
71) Phenanthrene	11.40	178	2315080	50.518	ng	100
72) Anthracene	11.44	178	2399968	52.927	ng	99
73) Carbazole	11.60	167	2028603	48.774	ng	100
74) Di-n-butylphthalate	11.93	149	2457851	53.189	ng	100
75) Fluoranthene	12.58	202	2356046	48.745	ng	99
77) Benzidine	12.69	184	209705	12.456	ng	100
78) Pyrene	12.81	202	2352432	54.990	ng	100
80) Butylbenzylphthalate	13.43	149	999129	57.068	ng	97
81) Benzo(a)anthracene	14.00	228	1926869	50.835	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	232684	17.227	ng	98
83) Chrysene	14.03	228	1904904	52.437	ng	100
84) Bis(2-ethylhexyl)phthalate	13.99	149	1318807	61.656	ng	98
85) Di-n-octyl phthalate	14.60	149	2215059	69.963	ng	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	2650762	83.978	ng	100
88) Benzo(b)fluoranthene	15.04	252	2045622	45.051	ng	99
89) Benzo(k)fluoranthene	15.07	252	2033075	48.329	ng	100
90) Benzo(a)pyrene	15.40	252	1922111	49.072	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	2175475	62.789	ng	99
92) Benzo(g,h,i)perylene	17.37	276	2268686	67.439	ng	100

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

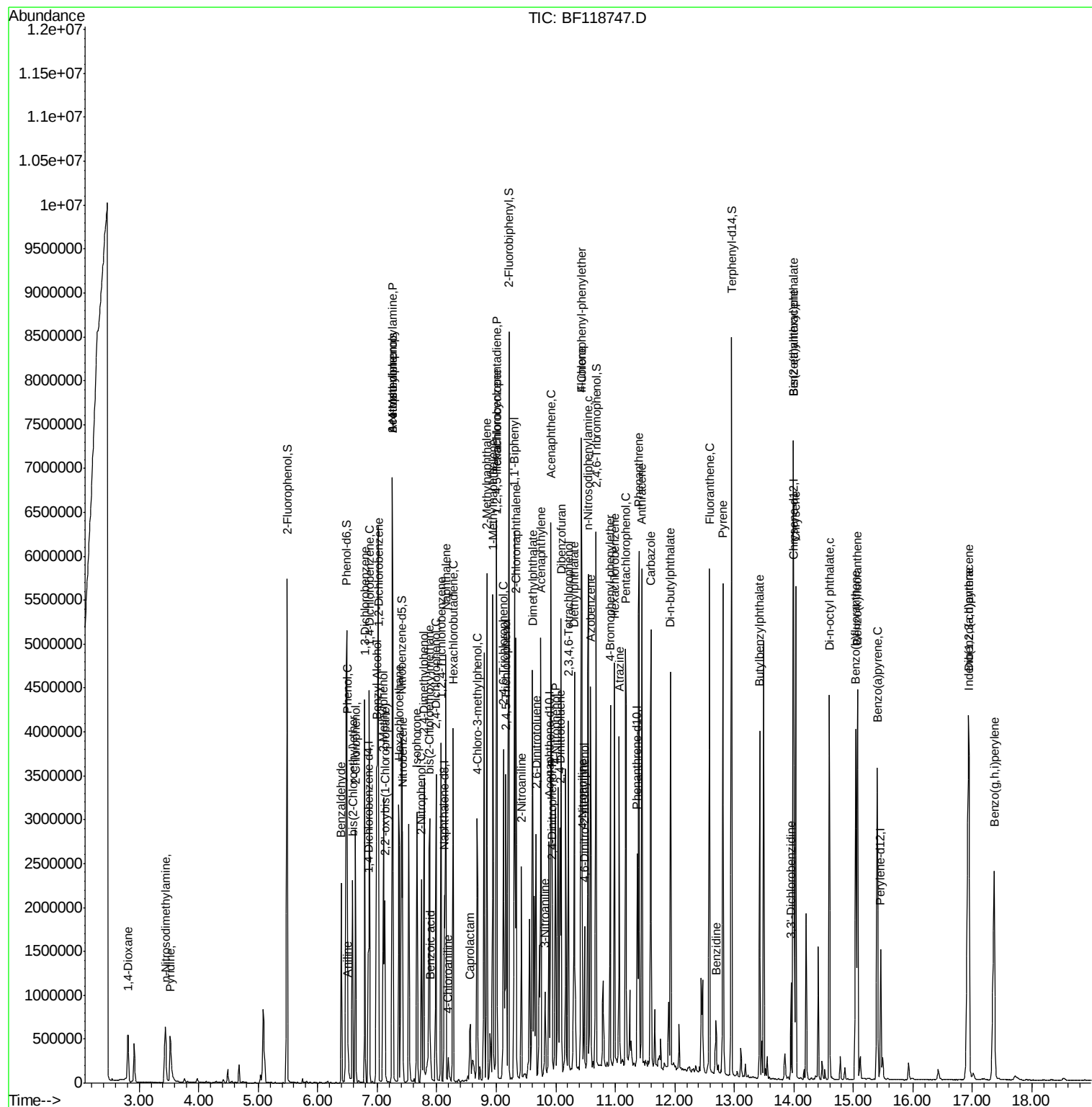
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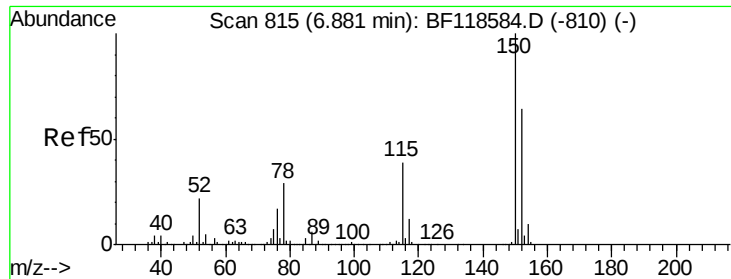
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#1

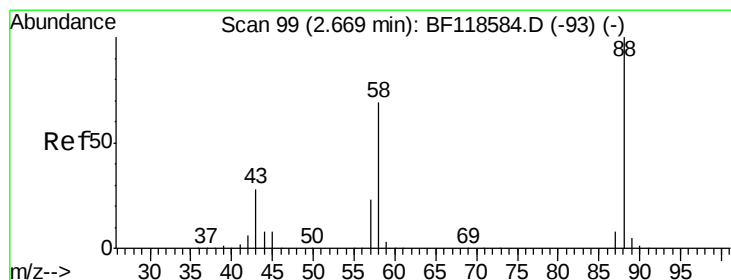
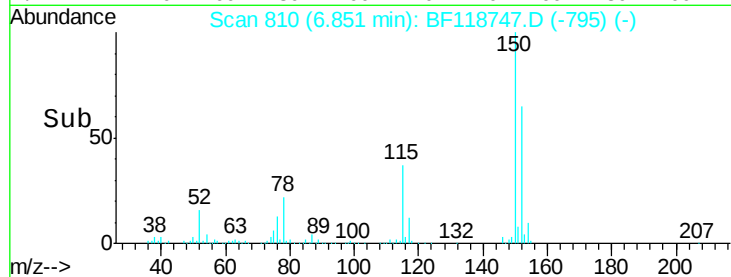
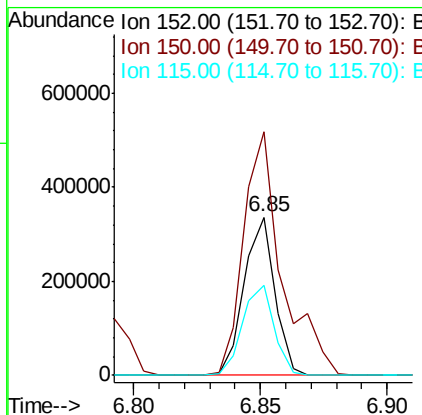
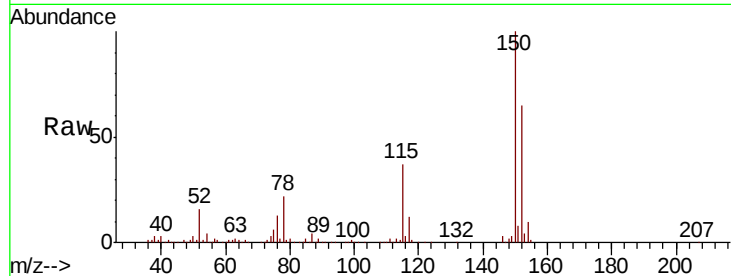
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.7	185.5
115	56.8	45.1	67.7

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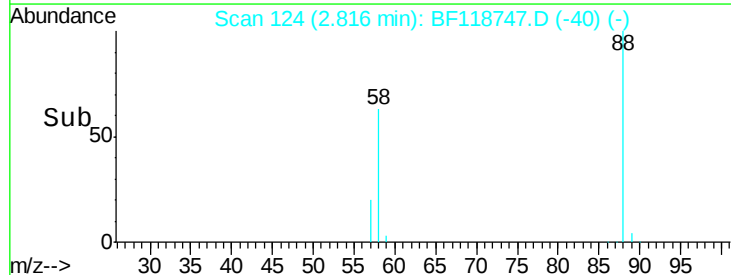
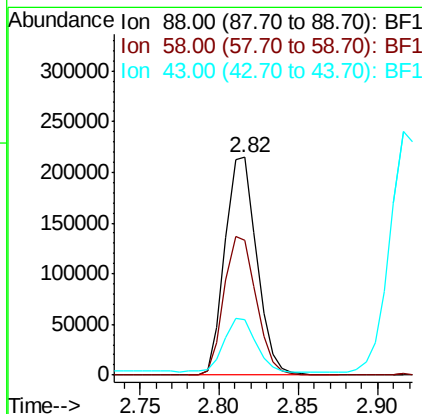
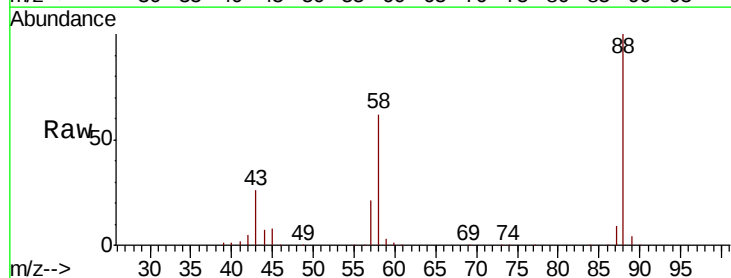
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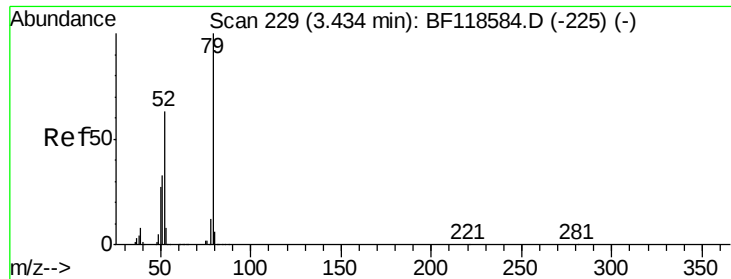


#2

1,4-Dioxane
Concen: 40.309 ng
RT: 2.82 min Scan# 124
Delta R.T. 0.19 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.9	51.9	77.9
43	0.0	19.3	28.9#





#3

Pvridine

Concen: 18.019 ng

RT: 3.52 min Scan# 244

Delta R.T. 0.14 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

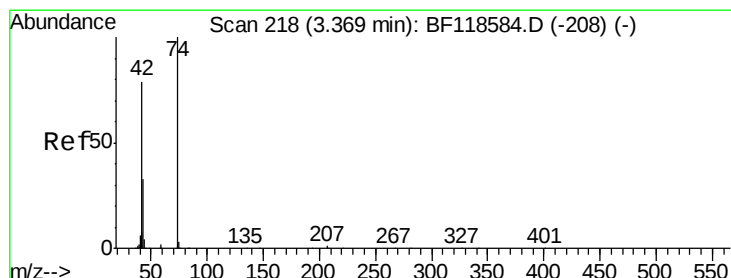
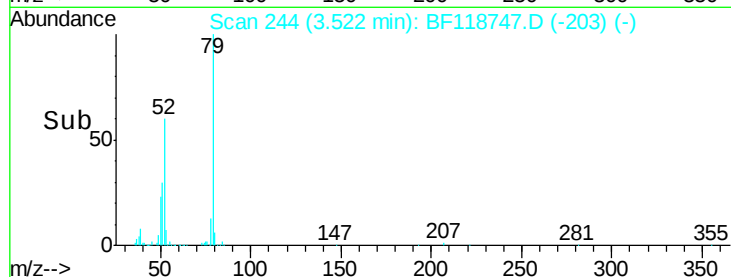
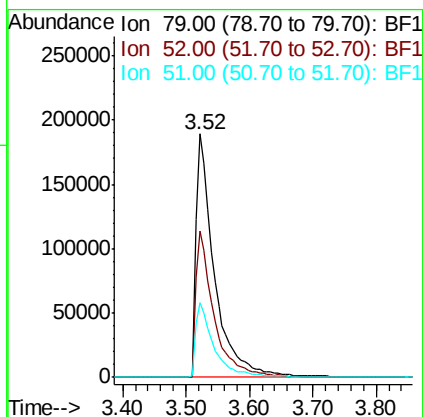
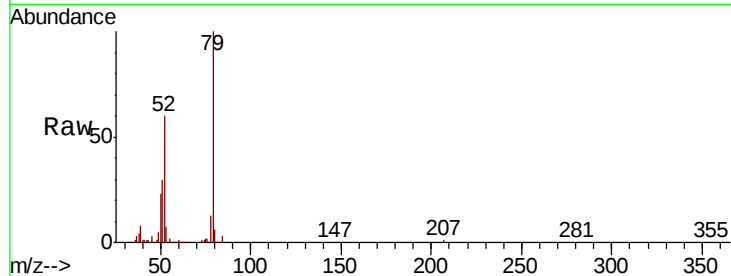
ClientSampleId :

PL-05-012820MSD

Tot Ion:	79	Resp:	377651
Ion Ratio	Lower	Upper	
79	100		
52	60.1	48.8	73.2
51	30.4	24.4	36.6

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#4

n-Nitrosodimethylamine

Concen: 37.366 ng

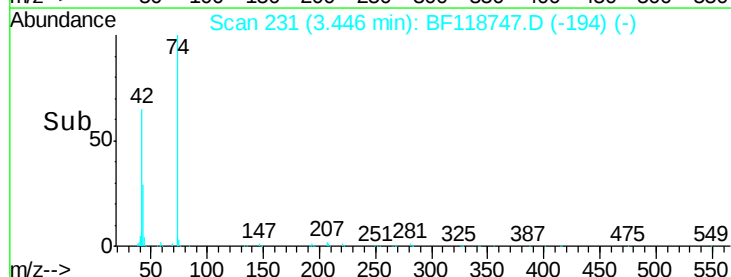
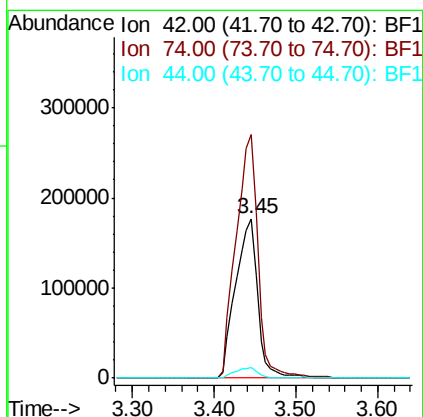
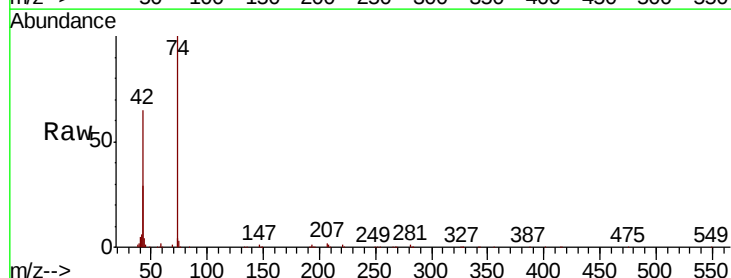
RT: 3.45 min Scan# 231

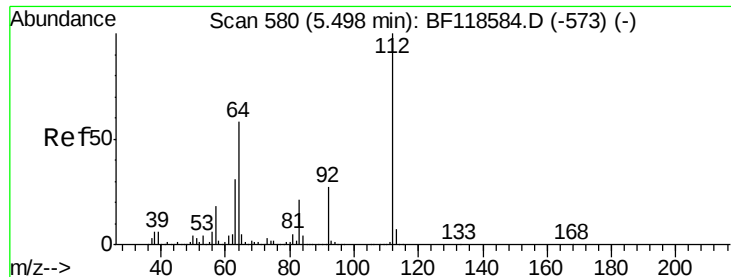
Delta R.T. 0.12 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	42	Resp:	335746
Ion Ratio	Lower	Upper	
42	100		
74	153.0	123.5	185.3
44	6.5	5.6	8.4





#5

2-Fluorophenol

Concen: 122.674 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:112 Resp: 1883377

Ion Ratio Lower Upper

112 100

64 56.7 42.4 63.6

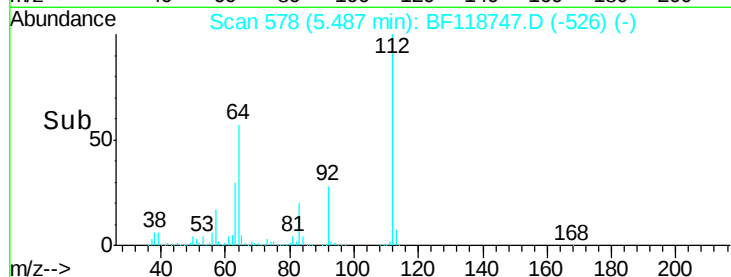
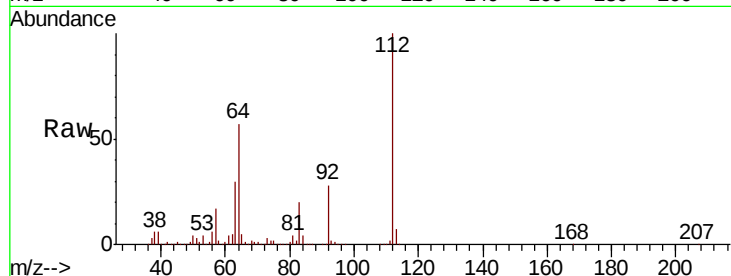
63 29.9 21.7 32.5

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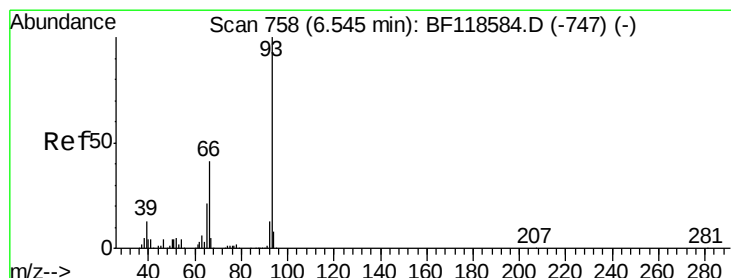
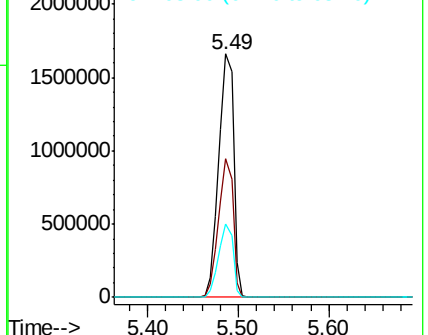
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.905 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118747.D

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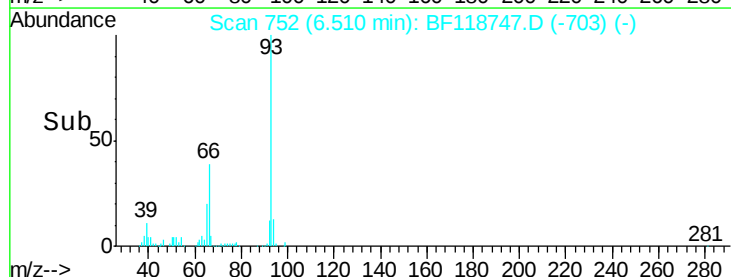
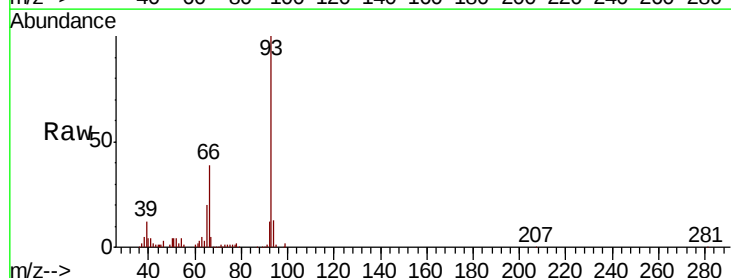
Tgt Ion: 93 Resp: 233986

Ion Ratio Lower Upper

93 100

66 39.2 31.3 46.9

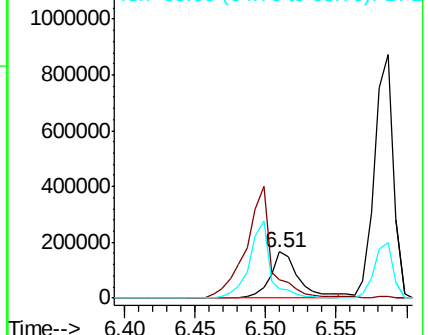
65 19.6 15.3 22.9

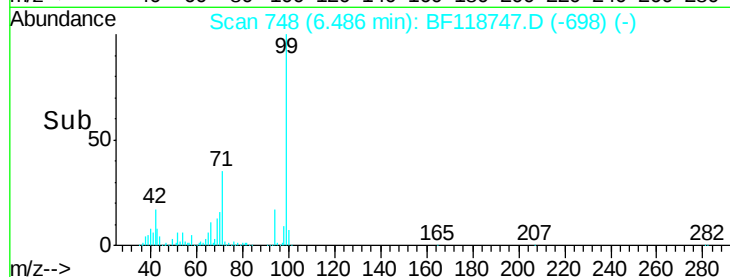
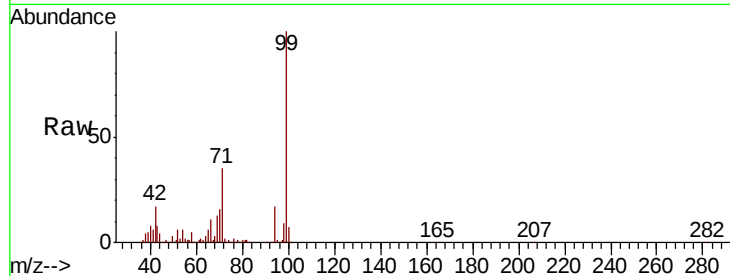
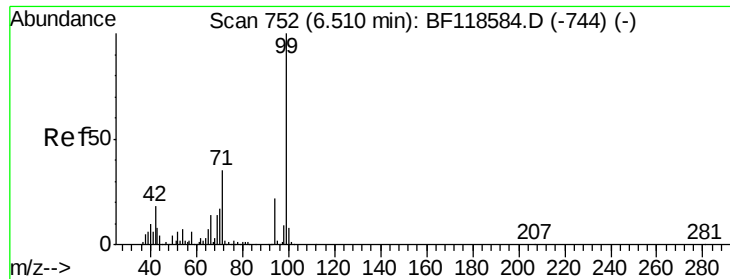


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 106.661 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tot Ion:	99	Resp:	2128374
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.1	19.7
71	35.4	28.4	42.6

Instrument :

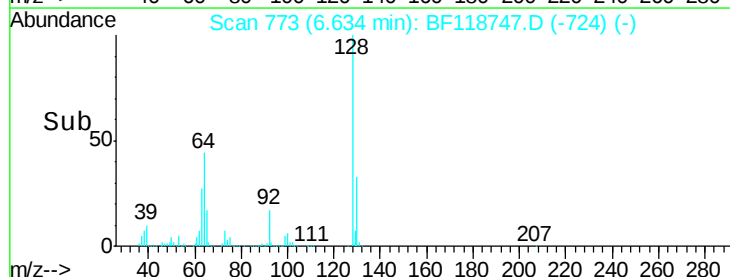
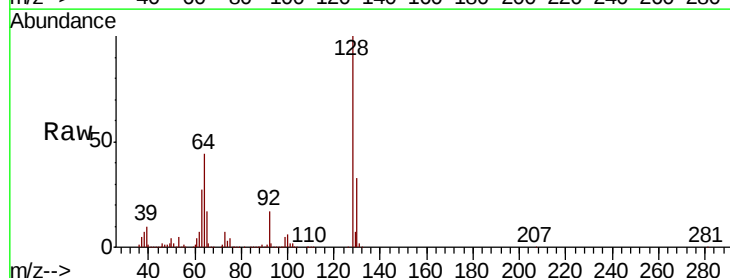
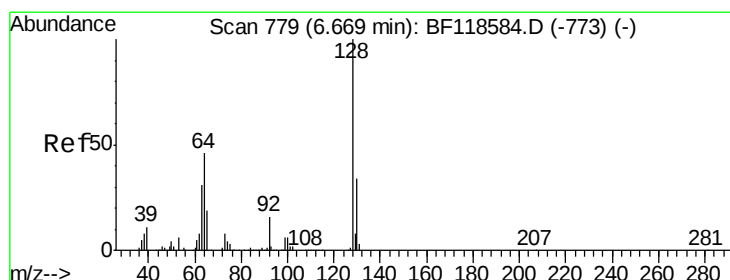
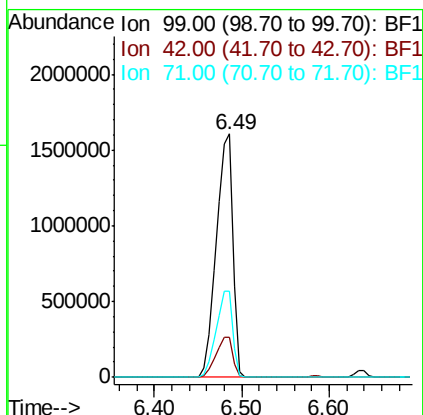
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#8

2-Chlorophenol

Concen: 51.149 ng

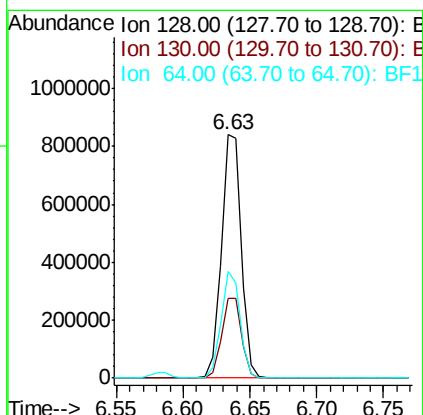
RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	128	Resp:	881422
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	44.0	24.5	64.5





#9

Benzaldehyde

Concen: 35.956 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

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Instrument :

BNA_F

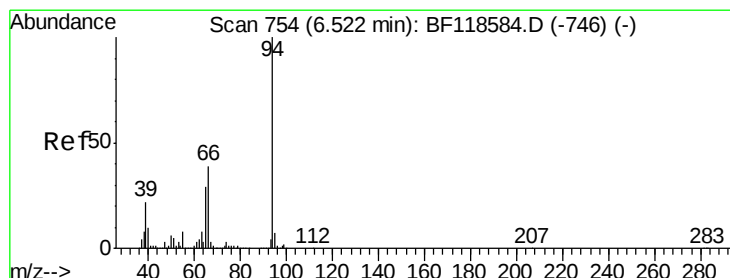
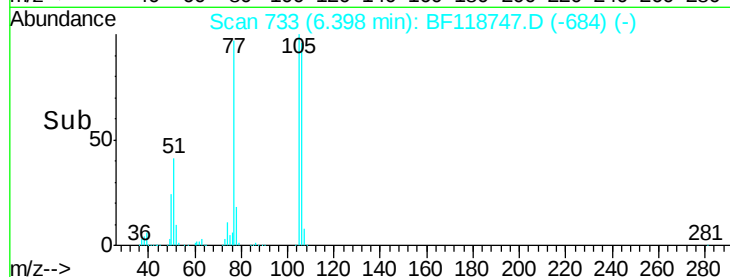
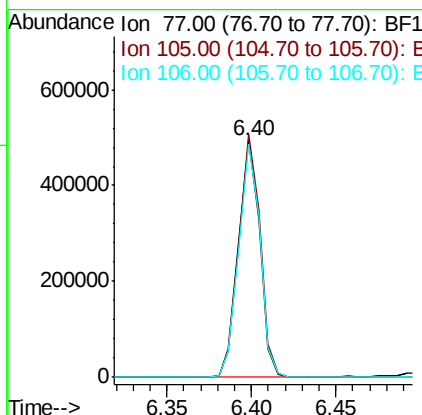
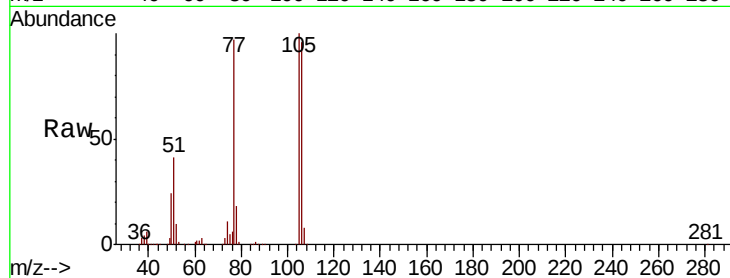
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Tot Ion:	77	Resp:	436346
Ion	Ratio	Lower	Upper
77	100		
105	102.7	84.3	124.3
106	98.6	80.4	120.4

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#10

Phenol

Concen: 39.092 ng

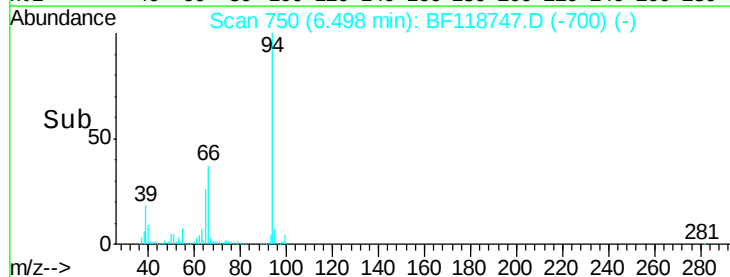
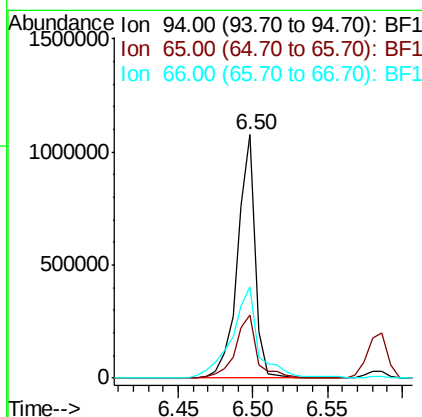
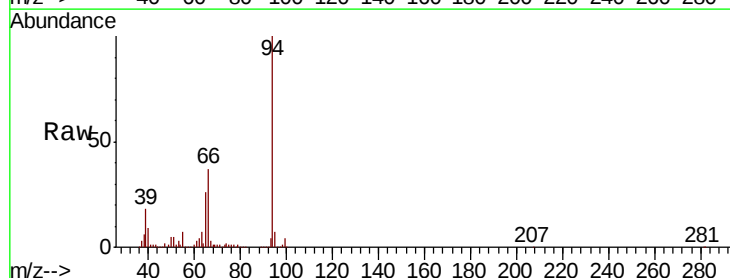
RT: 6.50 min Scan# 750

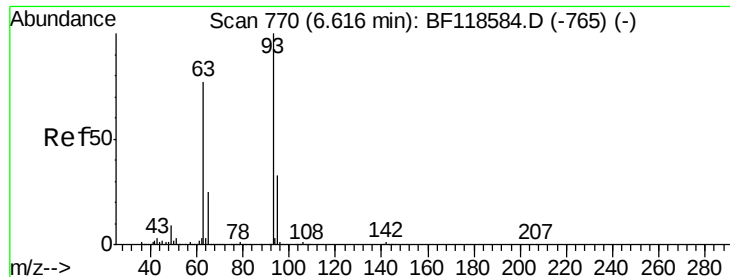
Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	94	Resp:	888982
Ion	Ratio	Lower	Upper
94	100		
65	25.9	7.9	47.9
66	37.4	19.1	59.1





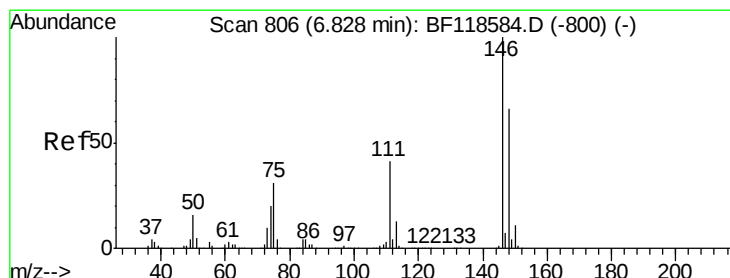
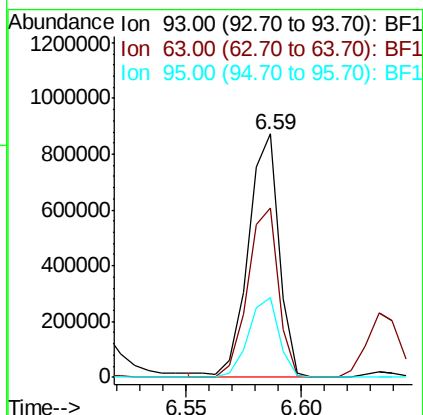
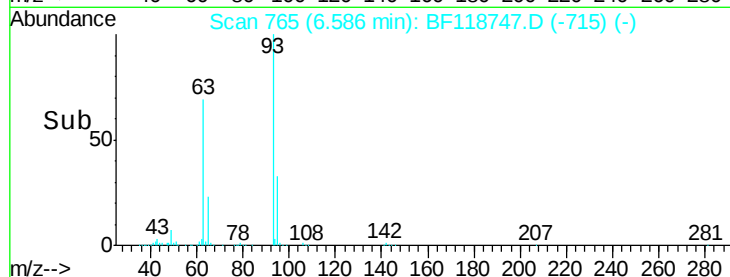
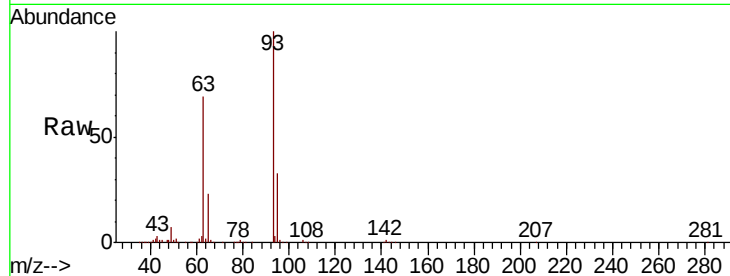
#11
bis(2-Chloroethyl)ether
Concen: 48.269 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	93	Resp	814400
Ion	Ratio	Lower	Upper
93	100		
63	69.4	52.1	92.1
95	32.9	13.2	53.2

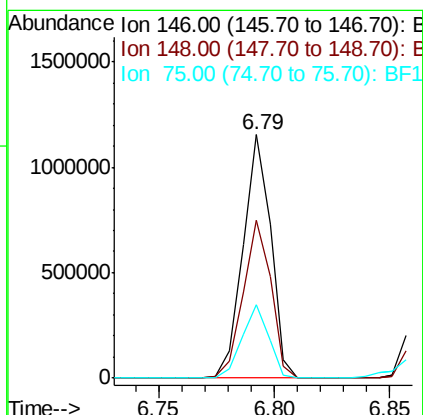
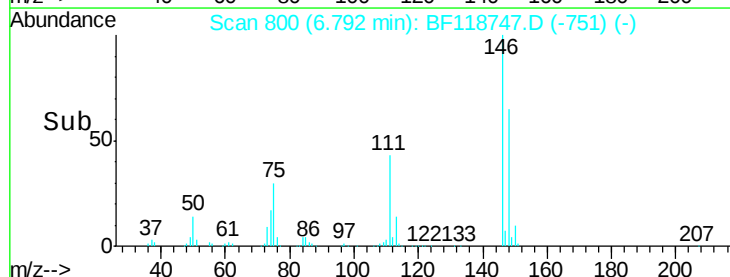
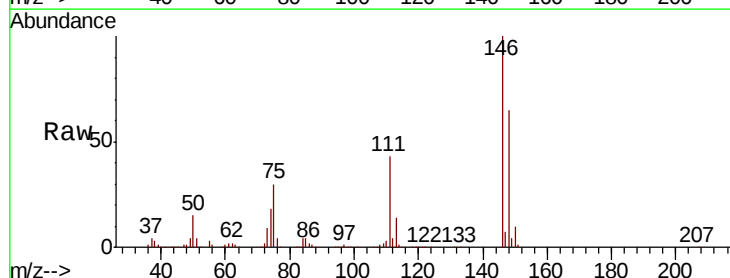
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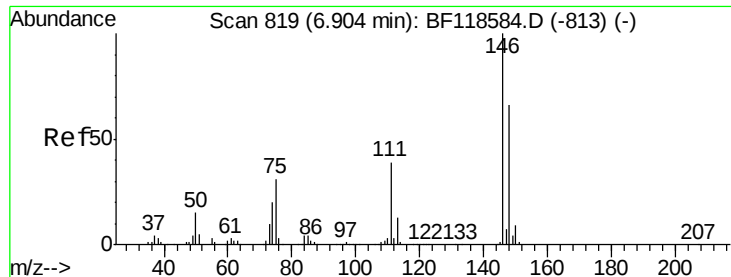
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#12
1,3-Dichlorobenzene
Concen: 48.068 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	146	Resp	969519
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.2	78.4
75	30.2	23.1	34.7





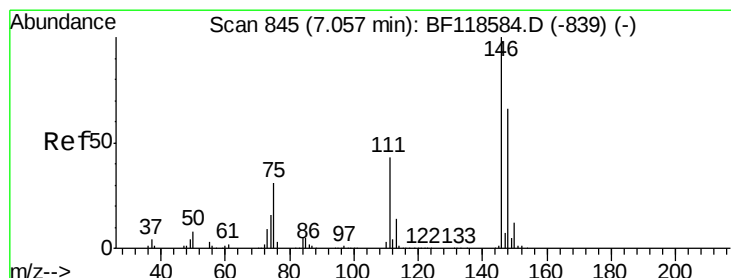
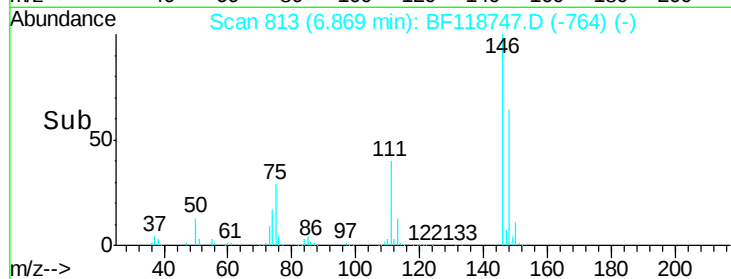
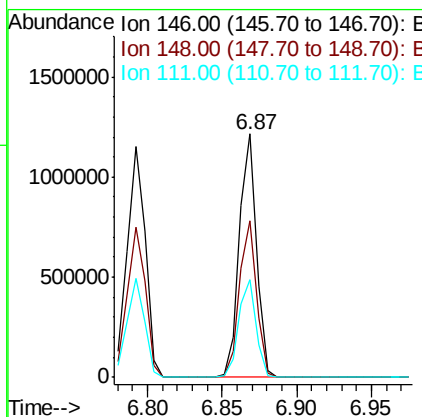
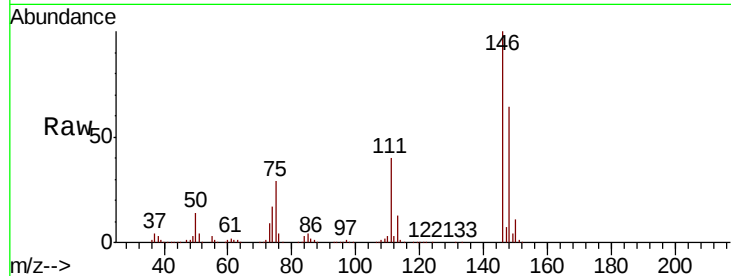
#13
 1,4-Dichlorobenzene
 Concen: 48.530 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	40.0	31.8	47.6

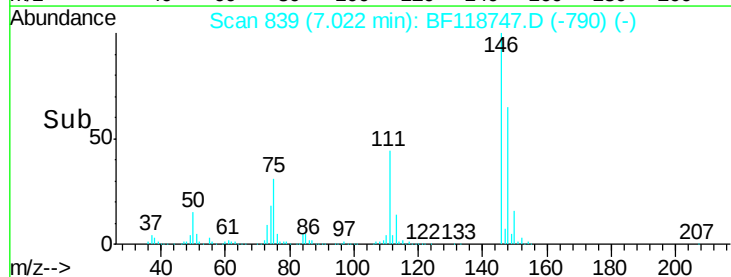
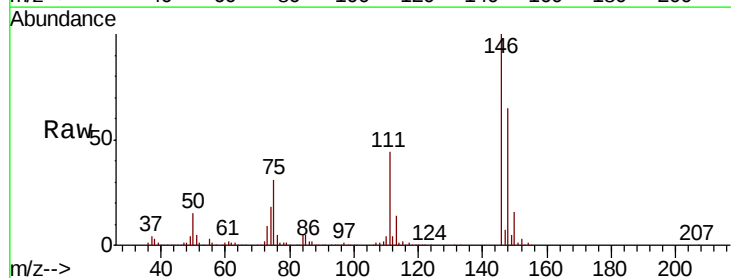
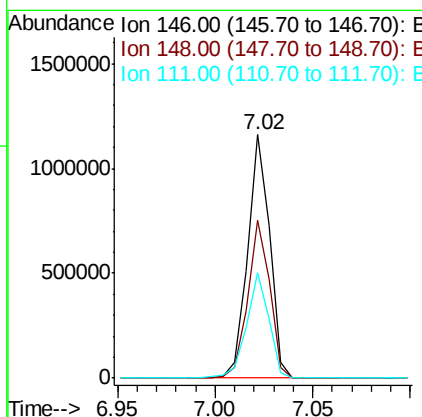
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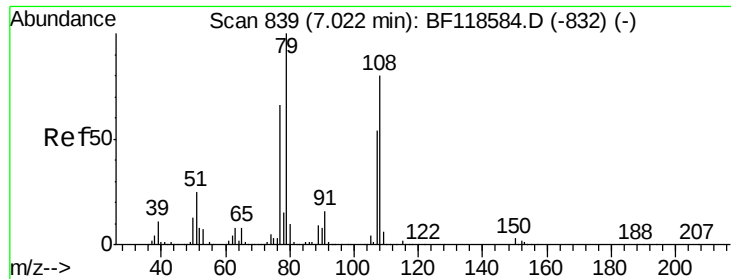
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#14
 1,2-Dichlorobenzene
 Concen: 47.470 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.7	77.5
111	43.5	35.3	52.9





#15

Benzyl Alcohol

Concen: 46.557 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

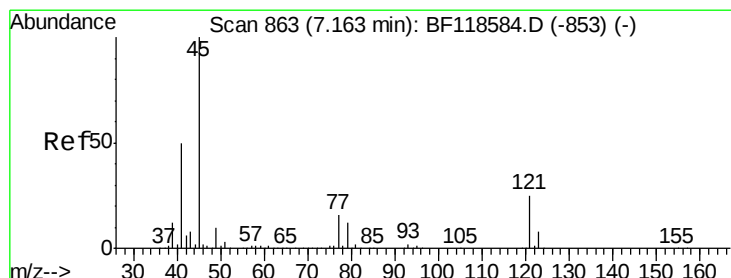
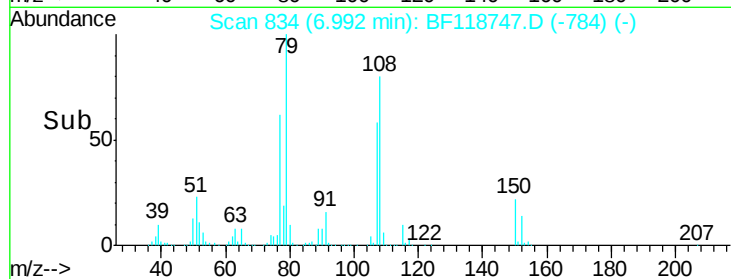
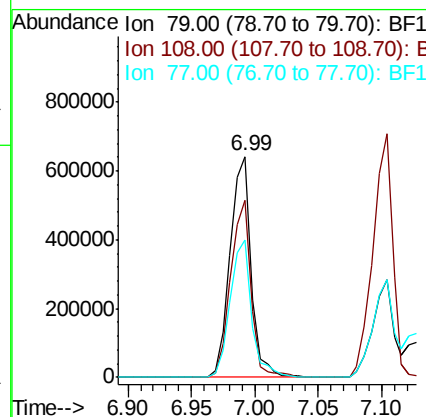
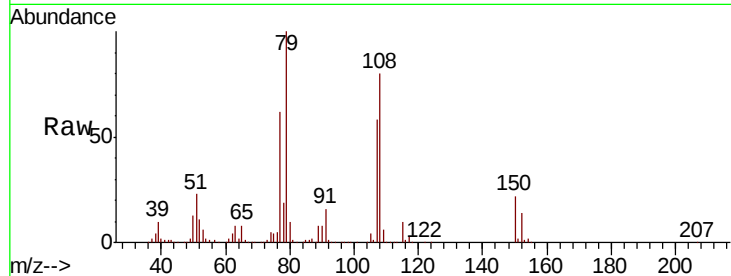
ClientSampleId :

PL-05-012820MSD

Tot Ion:	79	Resp:	736736
Ion Ratio	Lower	Upper	
79	100		
108	80.5	63.4	95.2
77	62.5	49.8	74.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.650 ng

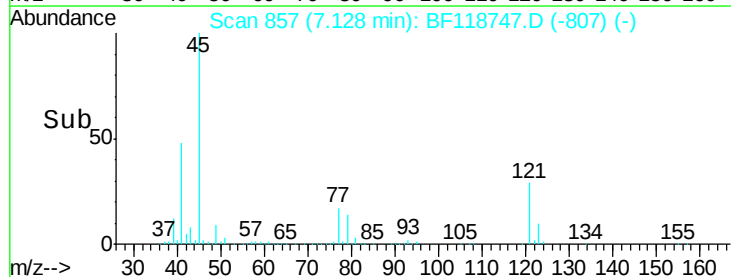
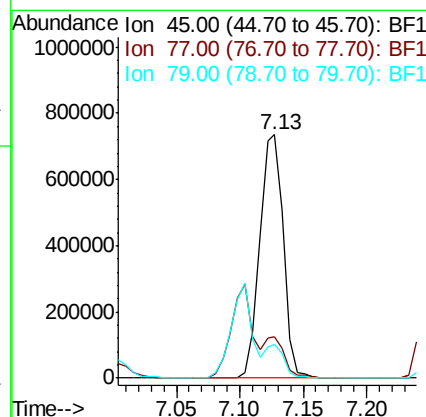
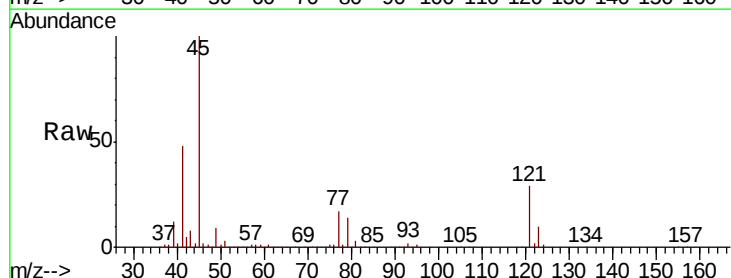
RT: 7.13 min Scan# 857

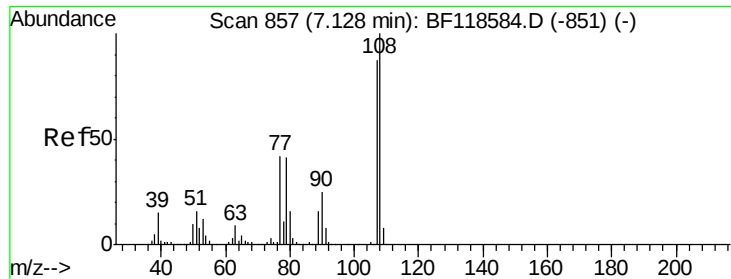
Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	45	Resp:	955299
Ion Ratio	Lower	Upper	
45	100		
77	17.2	0.0	36.9
79	13.7	0.0	32.5





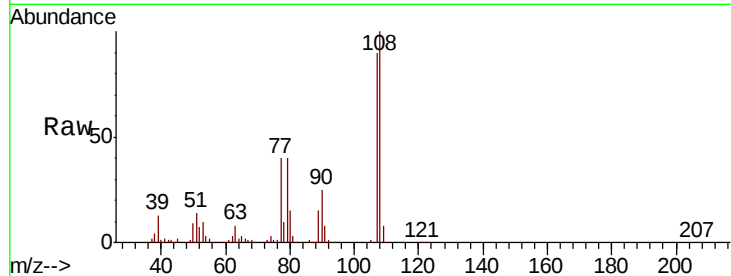
#17
2-Methylphenol
Concen: 47.528 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

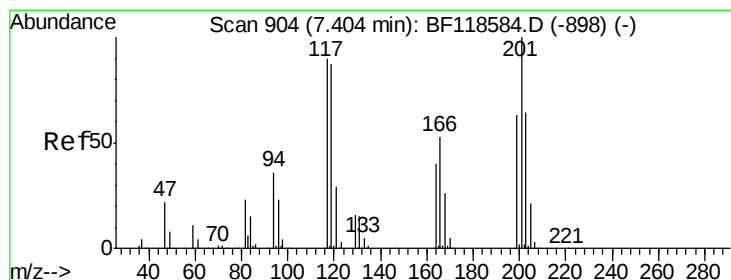
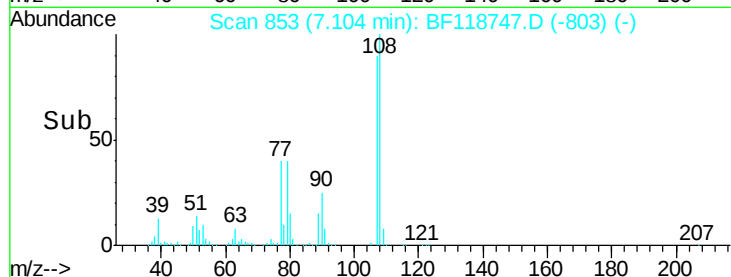
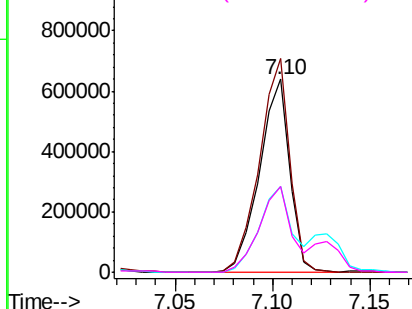
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.7	88.0	132.0	
77	44.3	35.3	52.9	
79	44.7	35.4	53.2	

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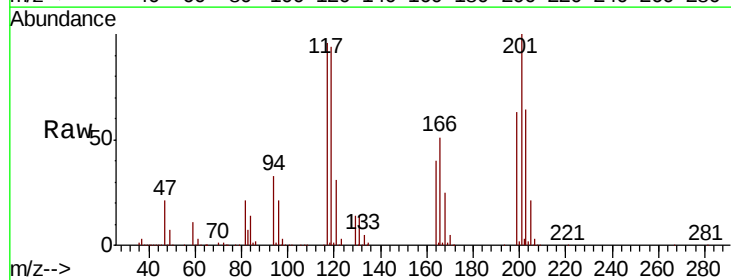


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

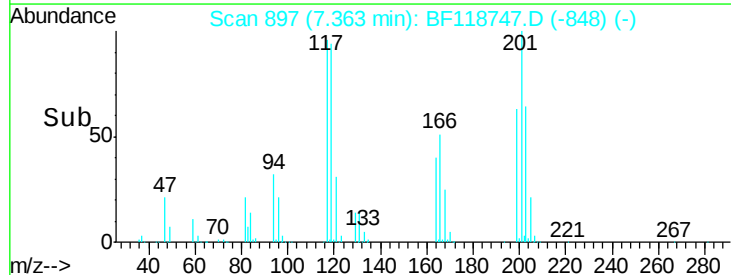
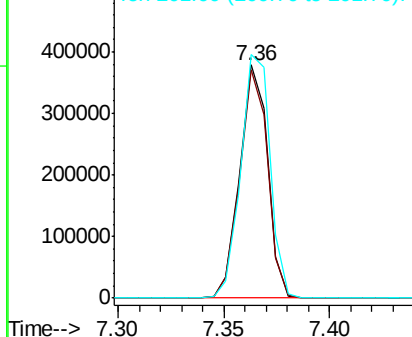


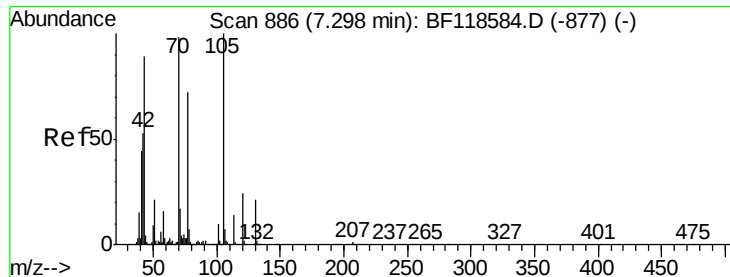
#18
Hexachloroethane
Concen: 47.090 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.7	76.2	114.2	
201	104.5	83.3	124.9	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 42.896 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion: 70 Resp: 577968

Ion Ratio Lower Upper

70 100

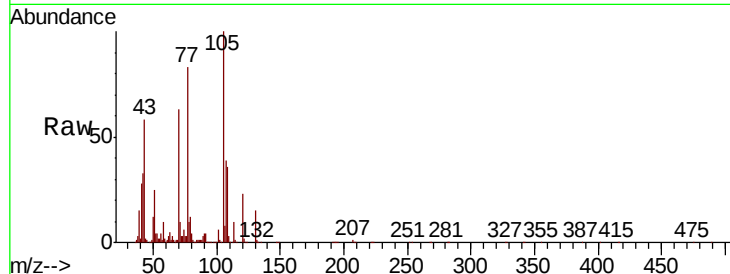
42 51.9 41.6 62.4

101 10.3 7.9 11.9

130 23.8 19.0 28.6

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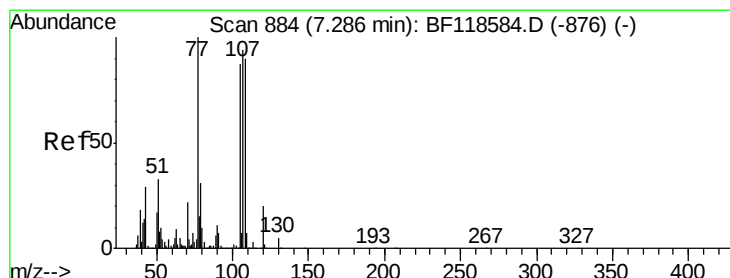
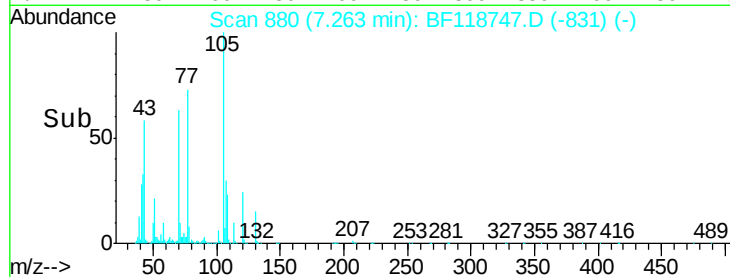
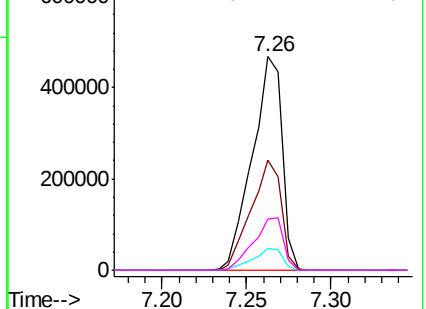


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 44.579 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion: 107 Resp: 781249

Ion Ratio Lower Upper

107 100

108 90.9 67.5 107.5

77 127.4 73.6 113.6#

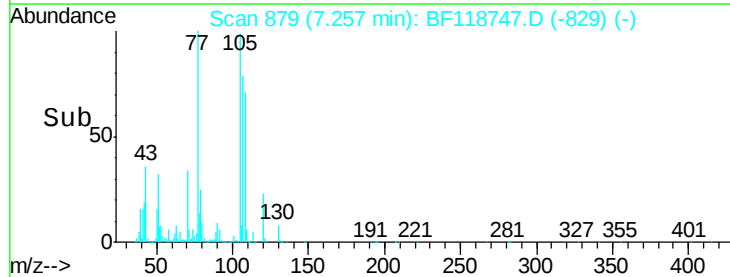
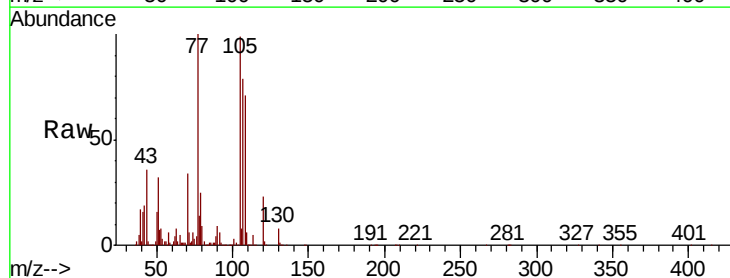
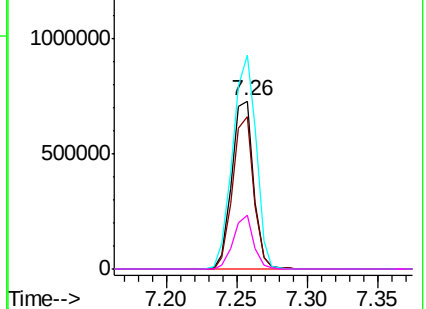
79 32.0 9.3 49.3

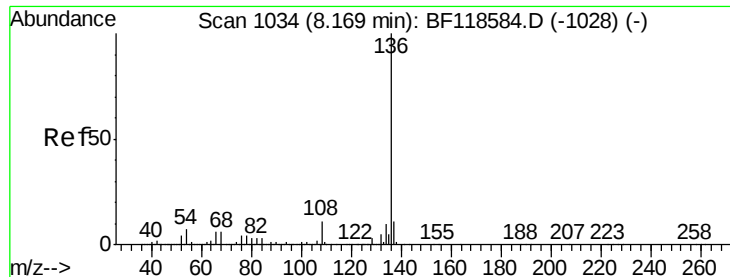
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





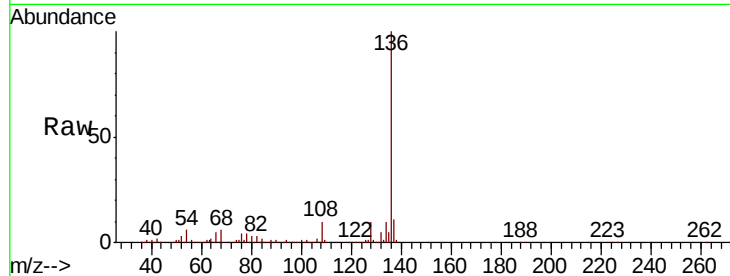
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.2	5.1	7.7
68	5.5	4.3	6.5

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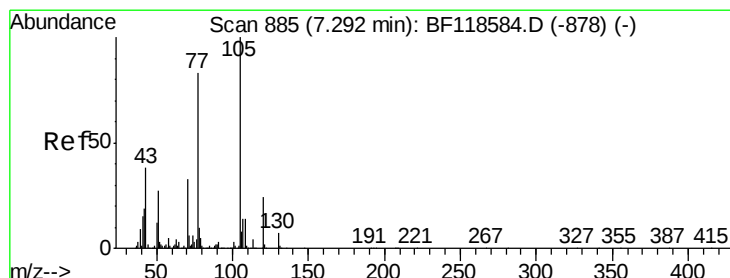
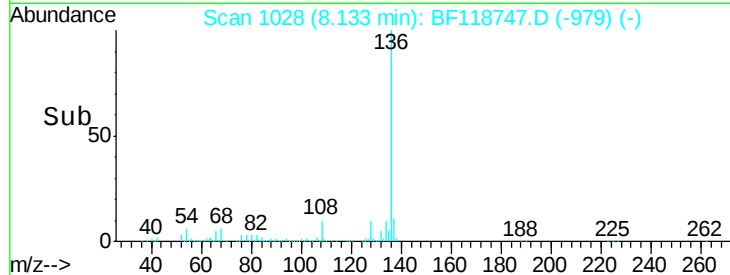
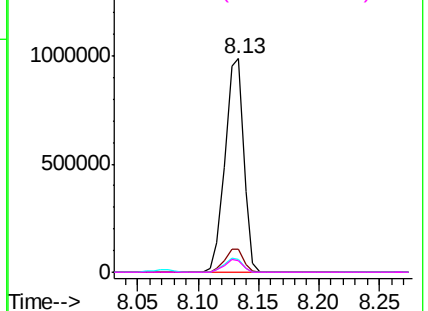
Abundance

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: 44.128 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.3	6.5
51	32.7	23.5	35.3
120	22.9	18.6	28.0

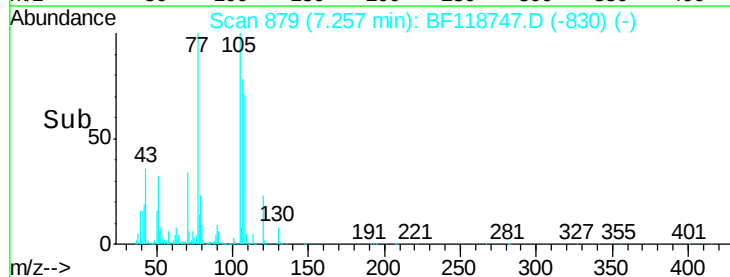
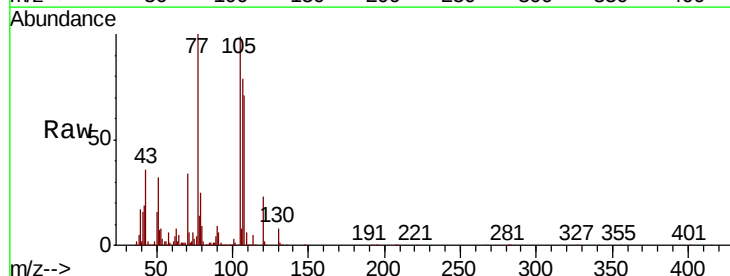
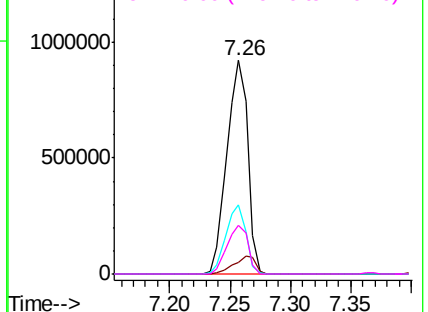
Abundance

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





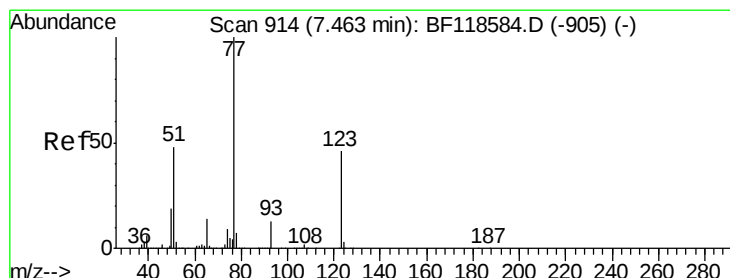
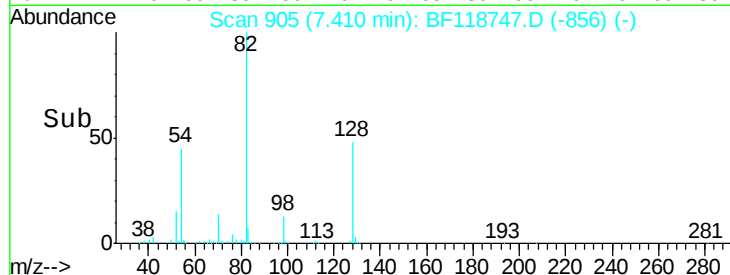
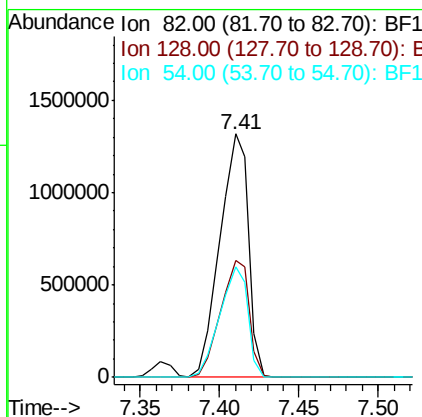
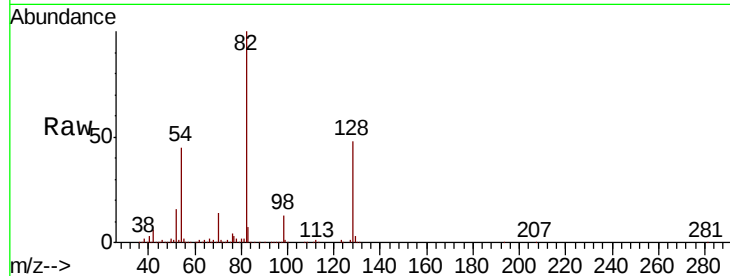
#23
 Nitrobenzene-d5
 Concen: 87.107 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	82	Resp	1645096
Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.2	57.2
54	45.2	36.1	54.1

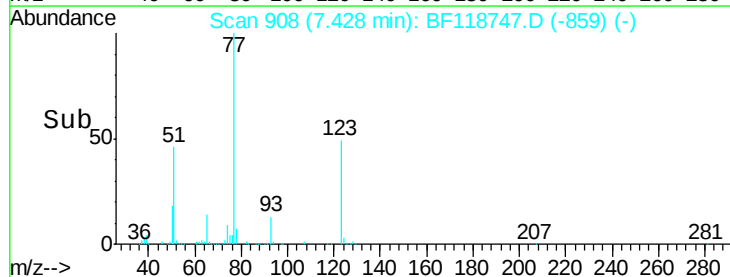
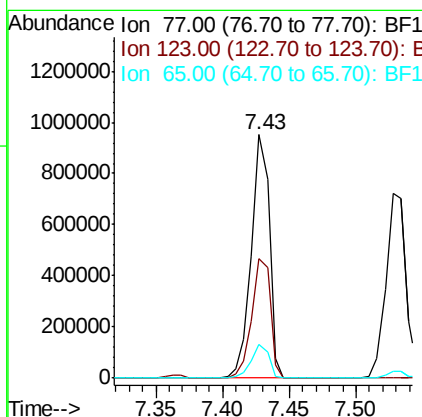
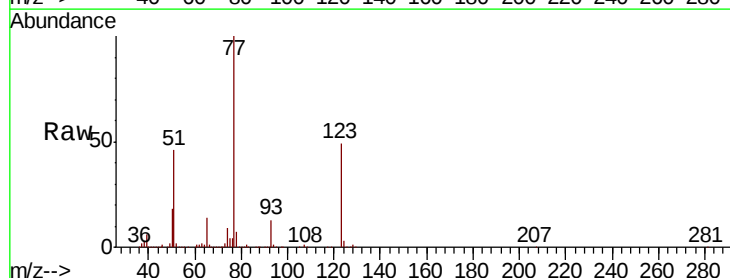
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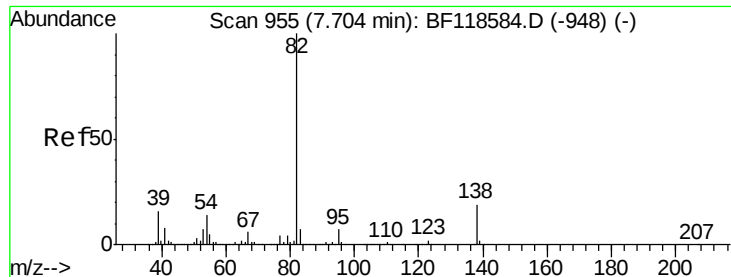
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#24
 Nitrobenzene
 Concen: 45.388 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	77	Resp	877699
Ion	Ratio	Lower	Upper
77	100		
123	48.8	39.2	58.8
65	13.6	10.6	15.8





#25

Isophorone

Concen: 46.411 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion: 82 Resp: 1598708

Ion Ratio Lower Upper

82 100

95 7.8 5.8 8.8

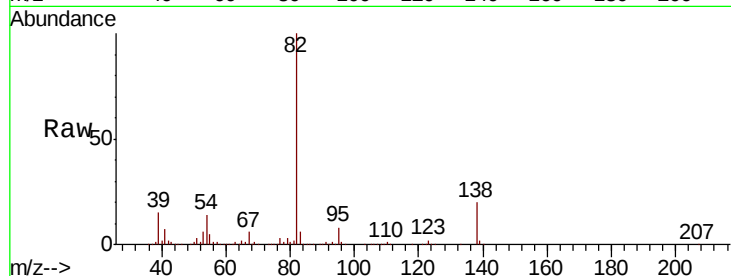
138 20.0 15.8 23.8

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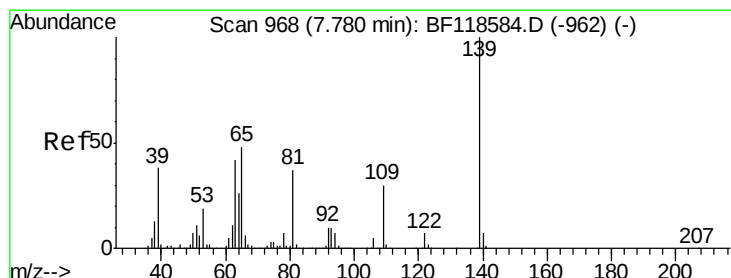
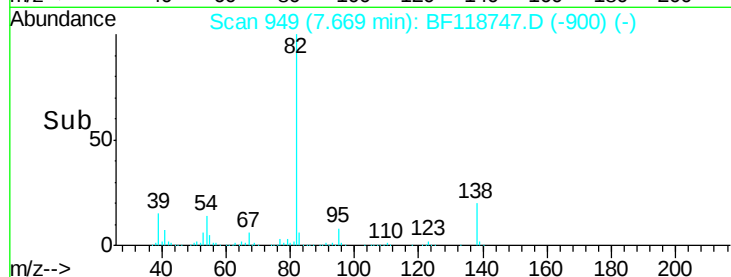
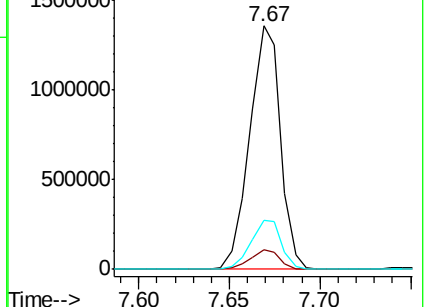
1/30/2020 10:18:23 AM



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: 57.636 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

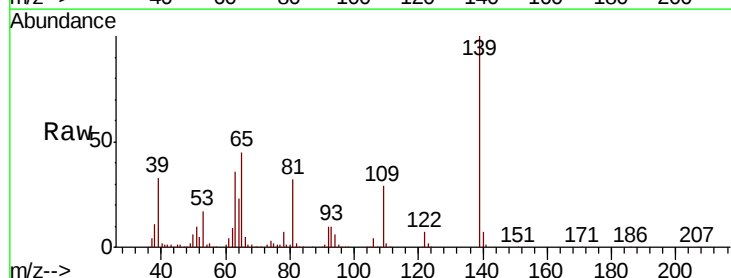
Tgt Ion: 139 Resp: 475291

Ion Ratio Lower Upper

139 100

109 29.4 23.1 34.7

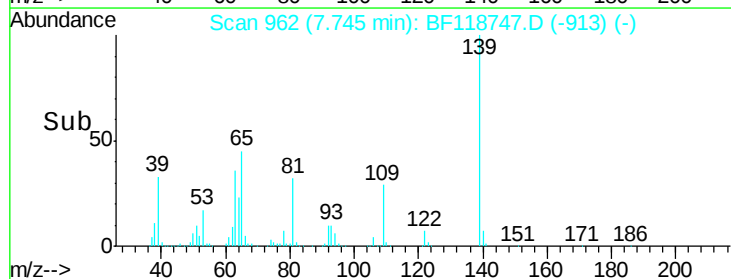
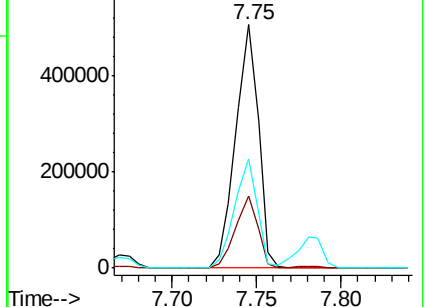
65 44.8 35.2 52.8

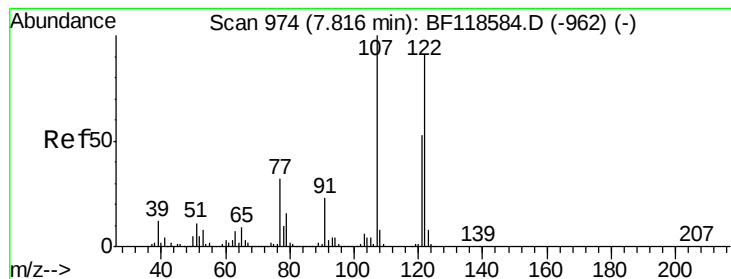


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





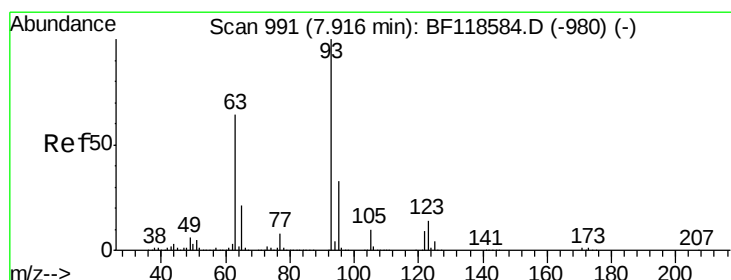
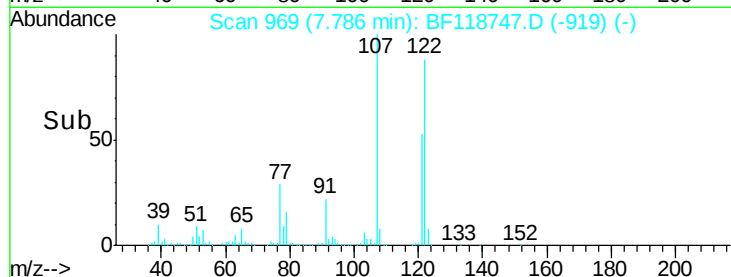
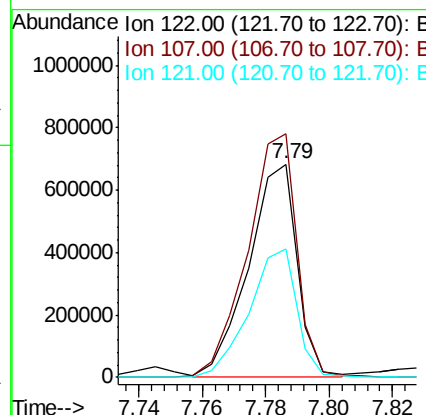
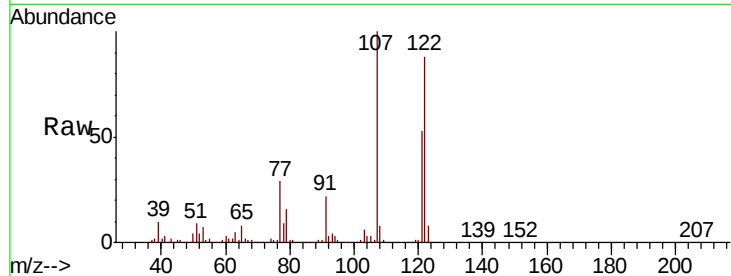
#27
 2,4-Dimethylphenol
 Concen: 51.089 ng
 RT: 7.79 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.8	137.8
121	60.0	46.8	70.2

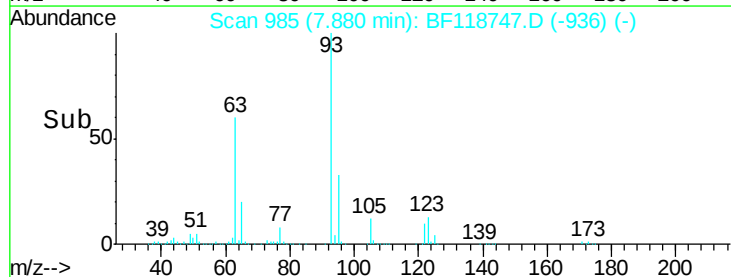
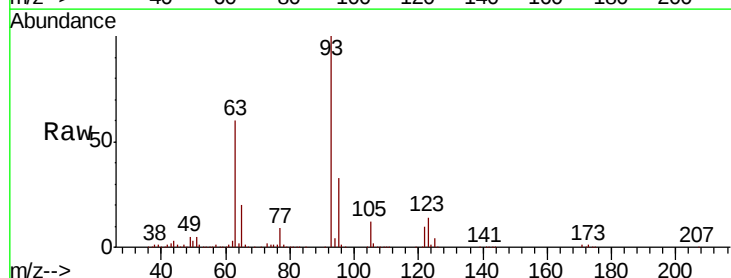
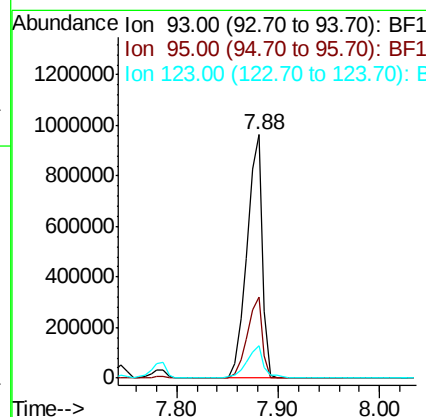
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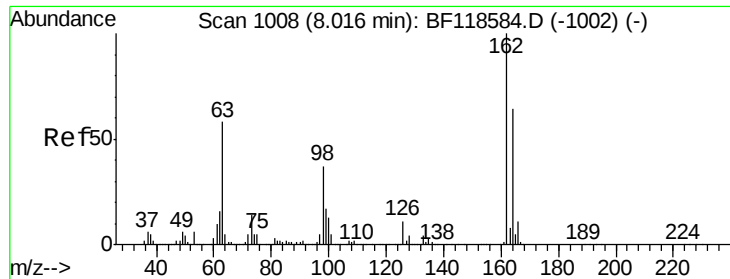
mohammad
 1/30/2020 10:18:23 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.282 ng
 RT: 7.88 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.8	40.2
123	13.6	10.7	16.1





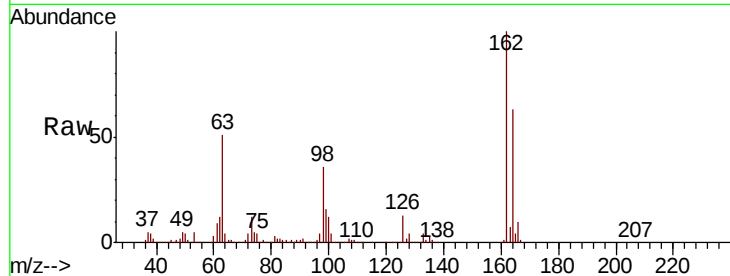
#29
2,4-Dichlorophenol
Concen: 48.106 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.8	83.8
98	35.5	15.0	55.0

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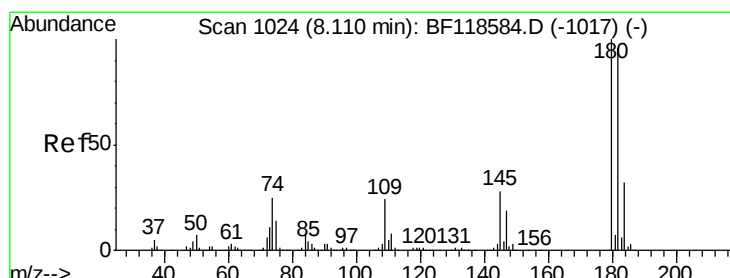
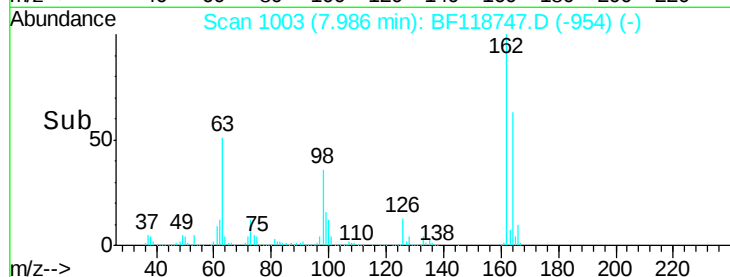
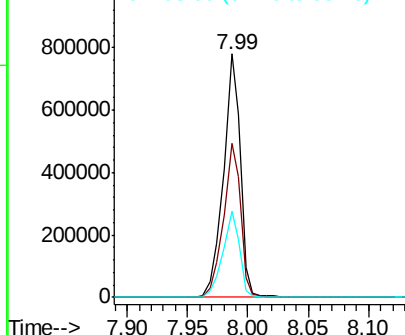


Abundance

Ion 162.00 (161.70 to 162.70): E

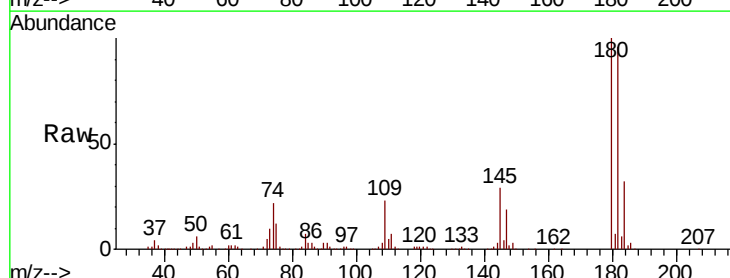
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 47.043 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
145	29.1	23.5	35.3

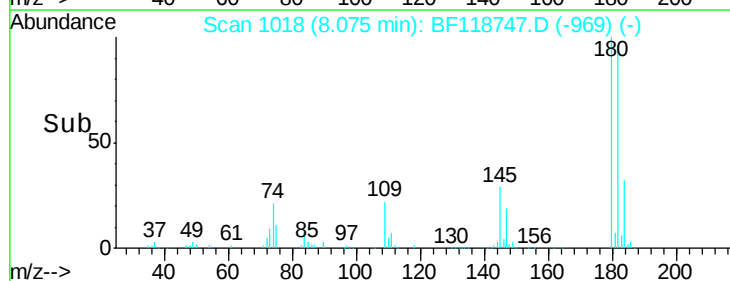
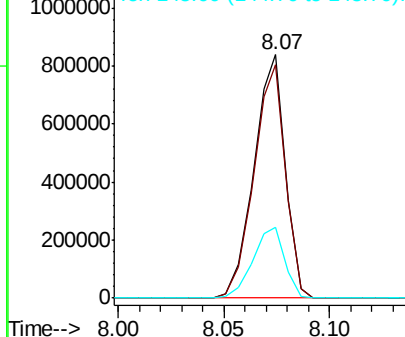


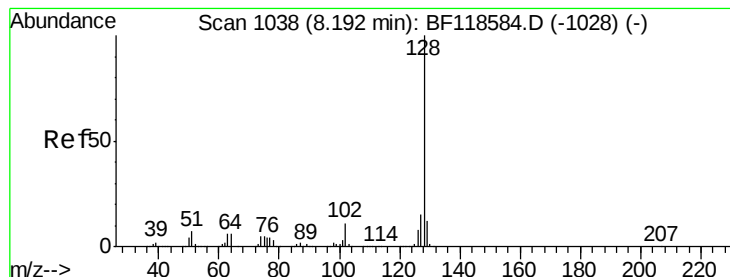
Abundance

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: 50.858 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:128 Resp: 2426904

Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.0

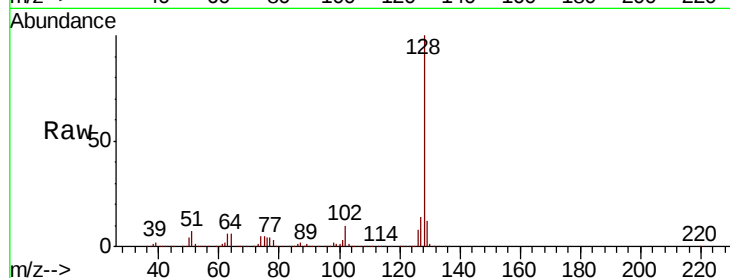
127 14.3 11.3 16.9

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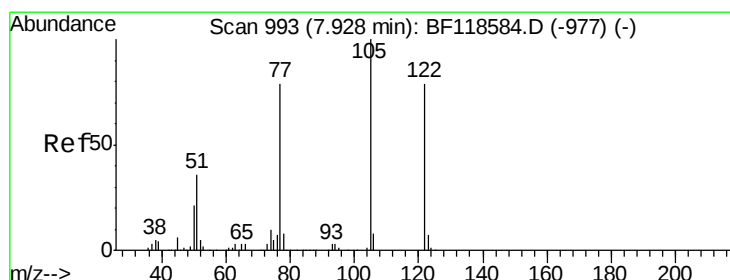
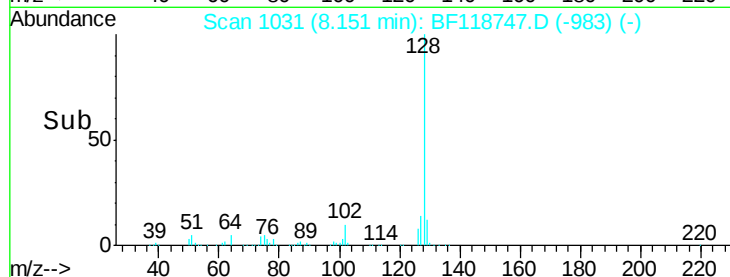
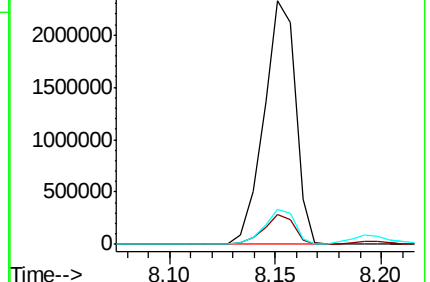
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.924 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.02 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

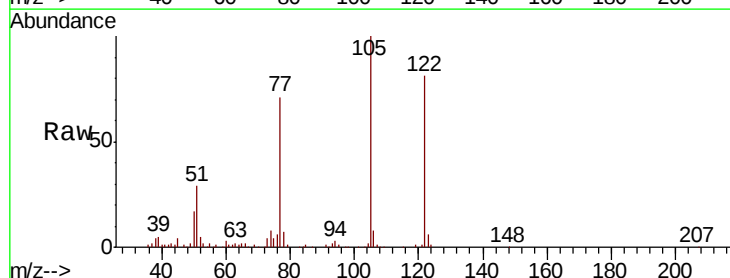
Tgt Ion:122 Resp: 383932

Ion Ratio Lower Upper

122 100

105 123.7 100.9 140.9

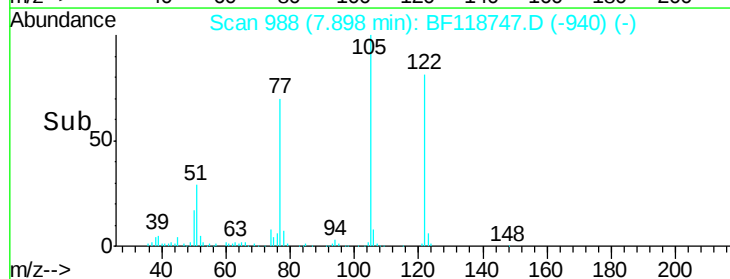
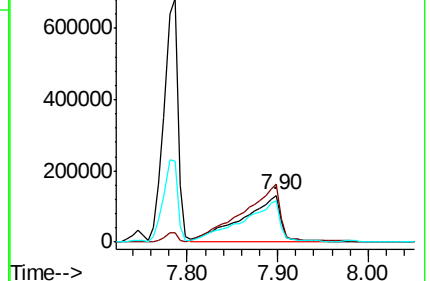
77 87.9 65.1 105.1

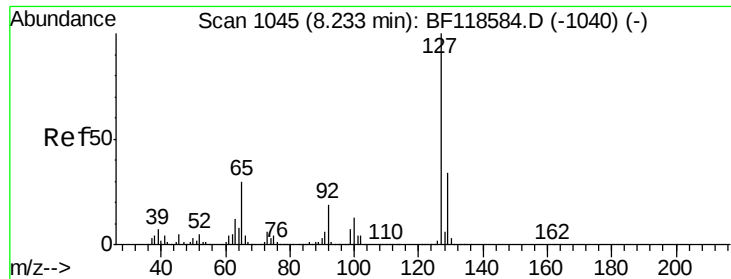


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





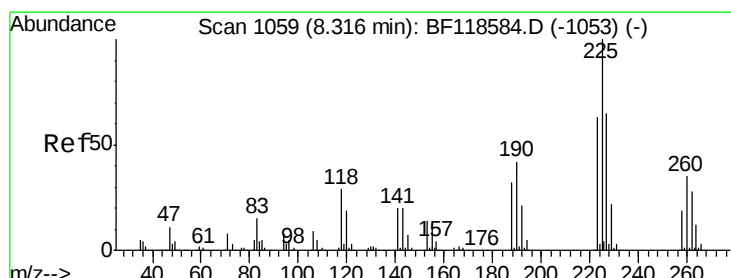
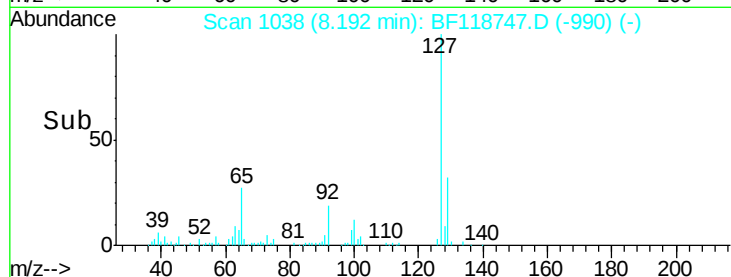
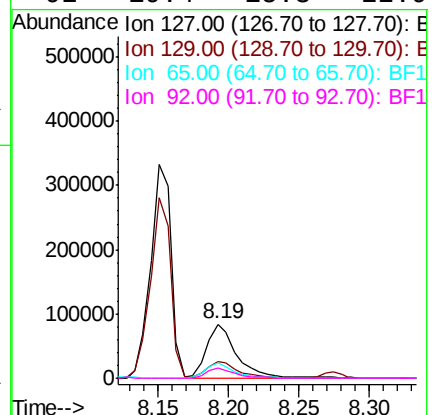
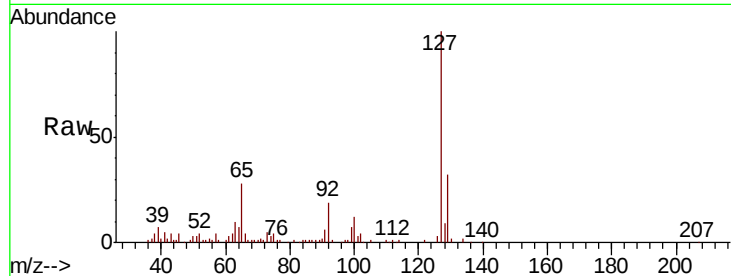
#33
4-Chloroaniline
Concen: 5.383 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.0	26.4	39.6		
65	28.2	22.6	33.8		
92	19.4	15.3	22.9		

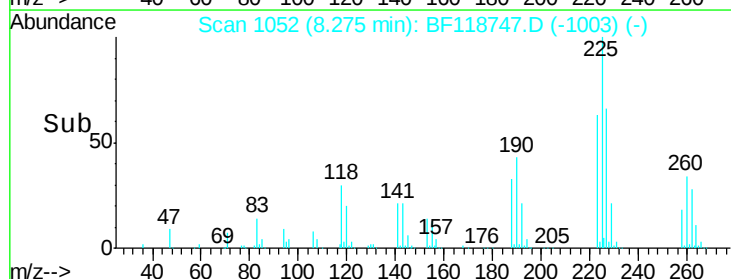
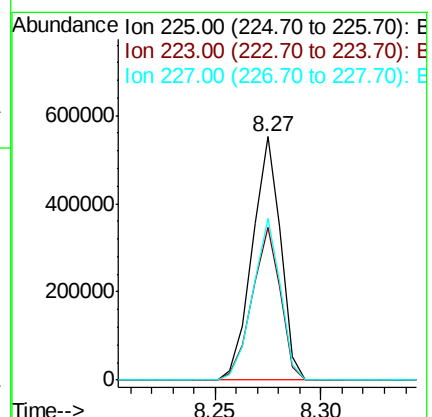
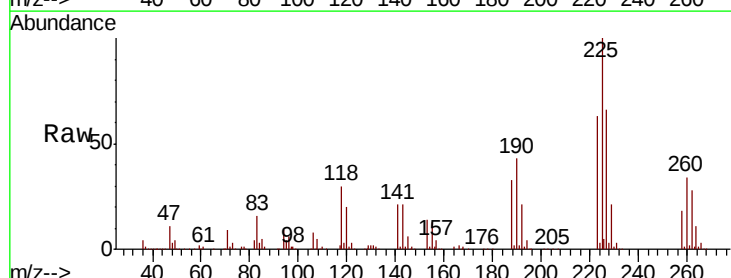
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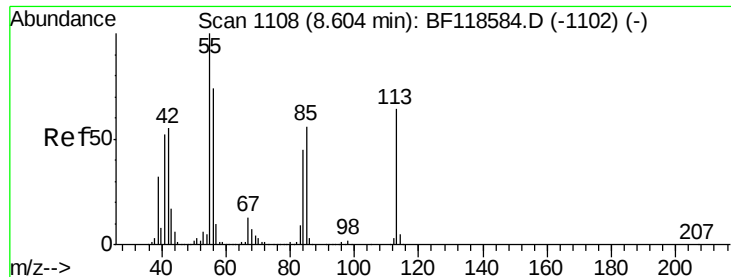
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#34
Hexachlorobutadiene
Concen: 46.270 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	50.3	75.5		
227	66.2	50.5	75.7		





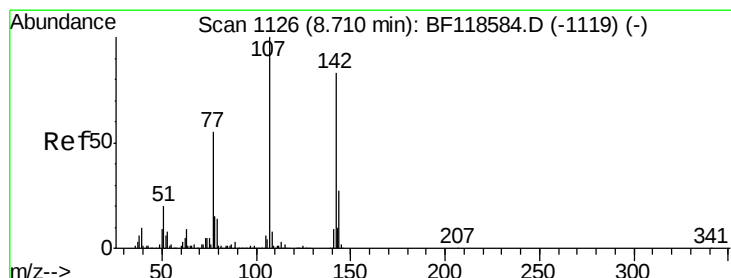
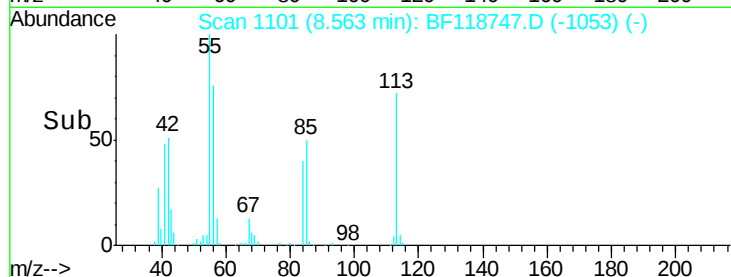
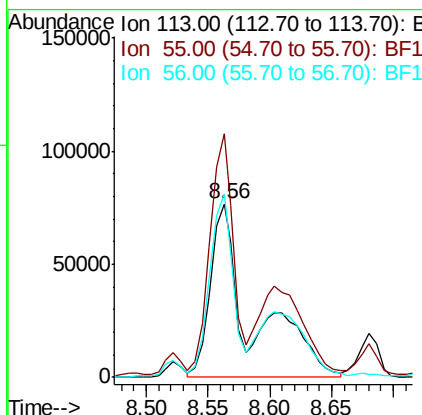
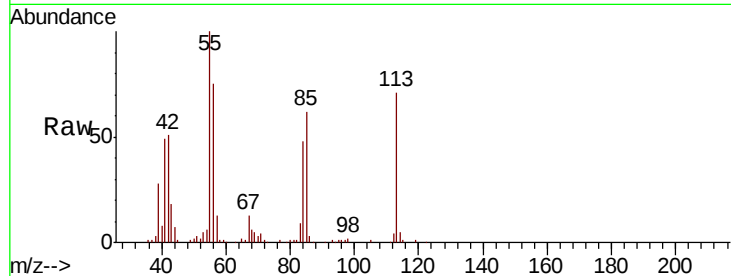
#35
 Caprolactam
 Concen: 34.237 ng/ml
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	140.4	119.0	159.0
56	105.5	85.4	125.4

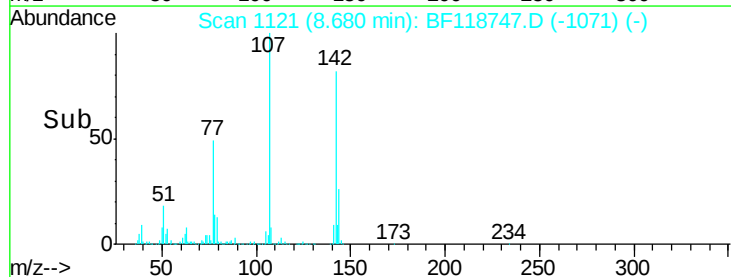
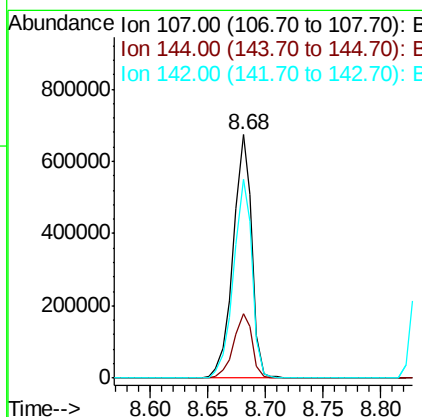
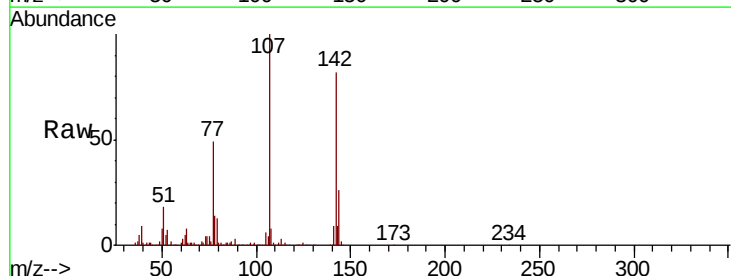
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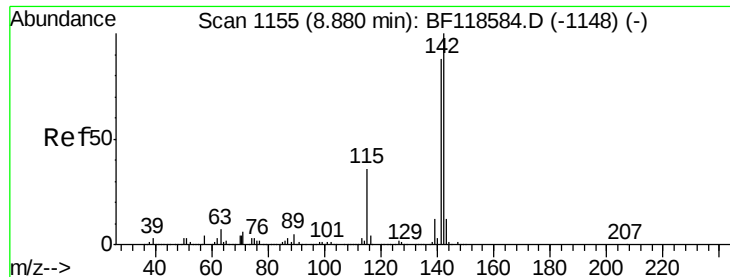
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 48.188 ng/ml
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.9	31.3
142	81.9	64.5	96.7





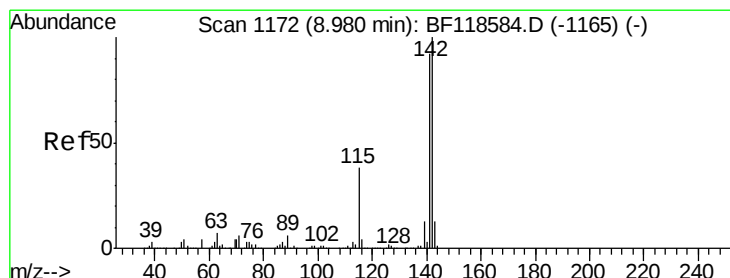
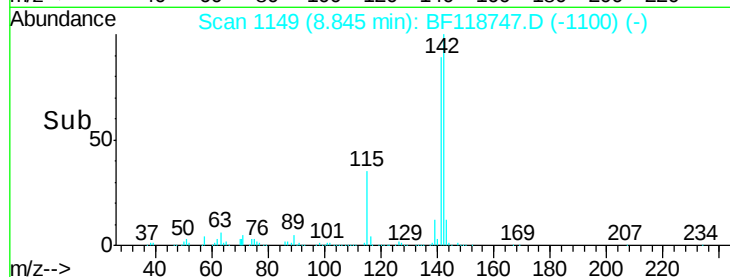
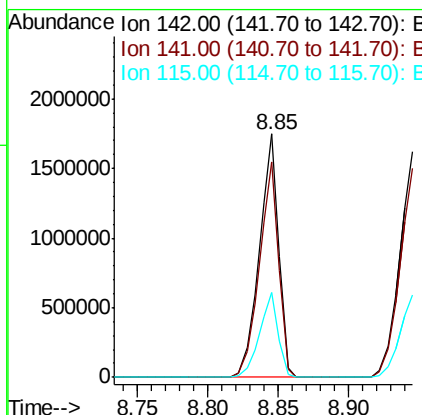
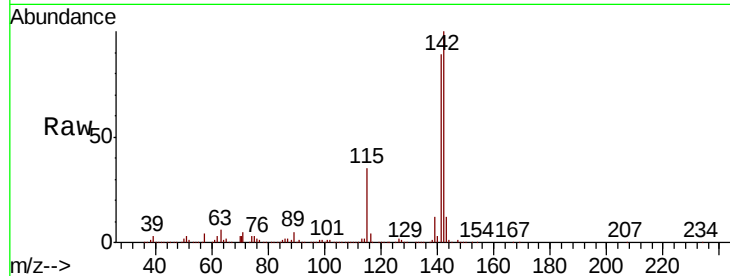
#37
2-Methylnaphthalene
Concen: 50.217 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion:142 Resp: 1691477
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0
115 34.9 27.5 41.3

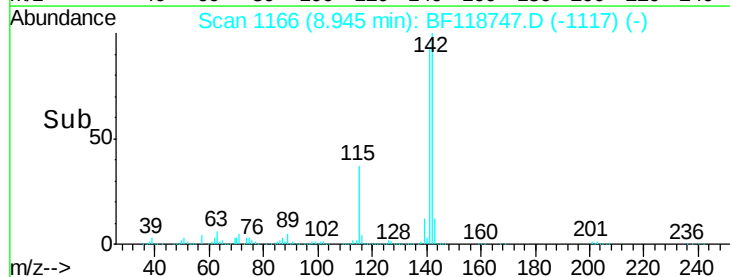
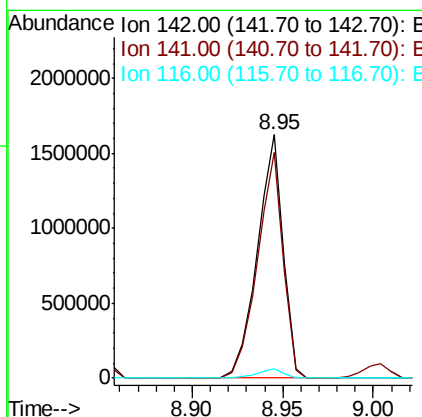
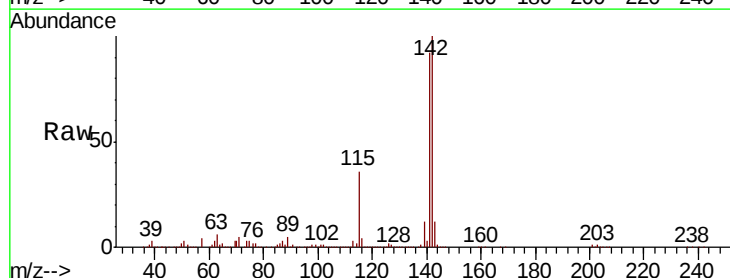
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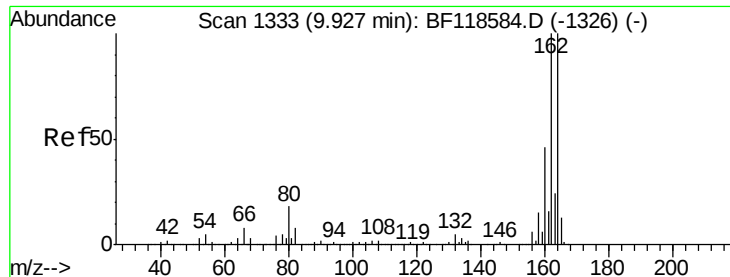
mohammad
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#38
1-Methylnaphthalene
Concen: 49.937 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion:142 Resp: 1598002
Ion Ratio Lower Upper
142 100
141 92.5 73.5 110.3
116 3.8 3.0 4.6





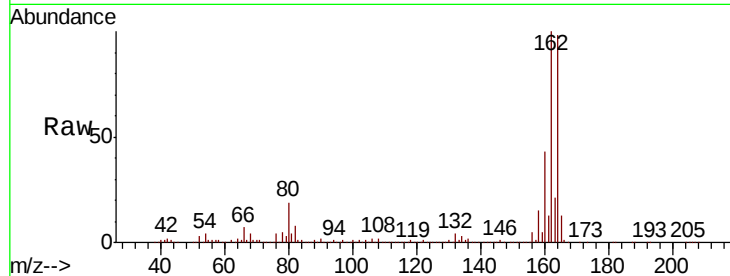
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.8	121.2
160	43.5	35.4	53.0

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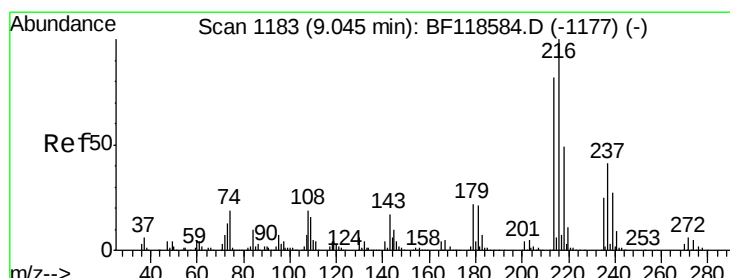
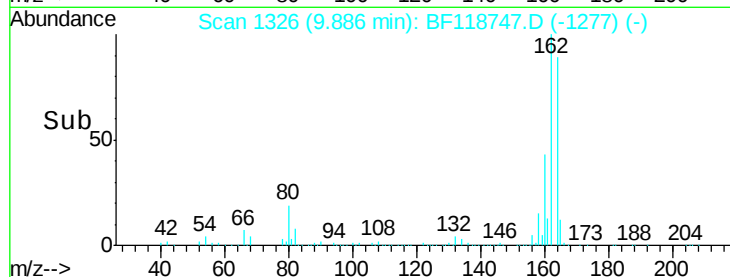
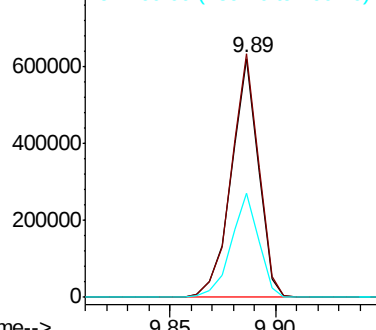


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.033 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.2
179	20.9	17.0	25.4
108	18.5	13.0	19.6

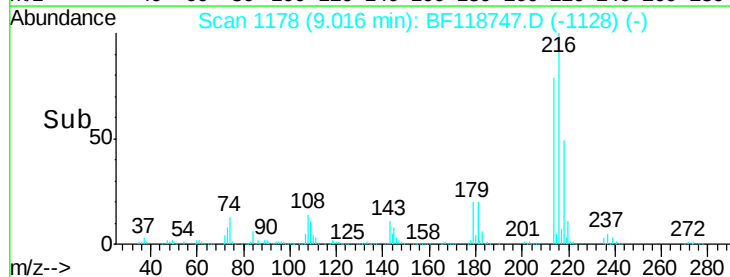
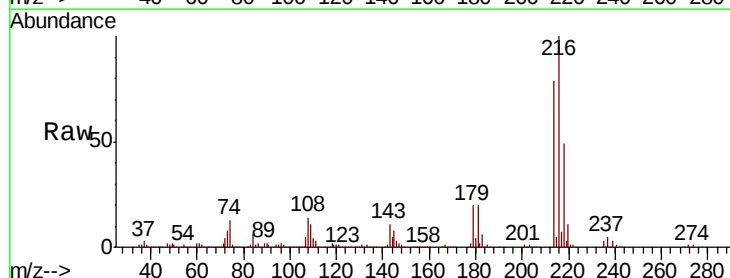
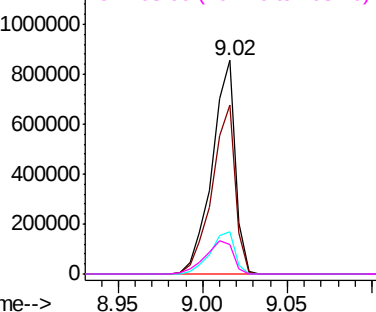
Abundance

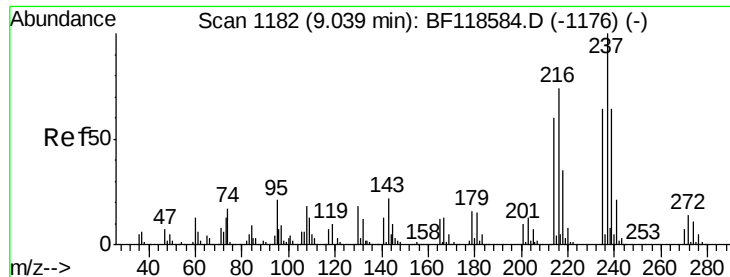
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 93.392 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

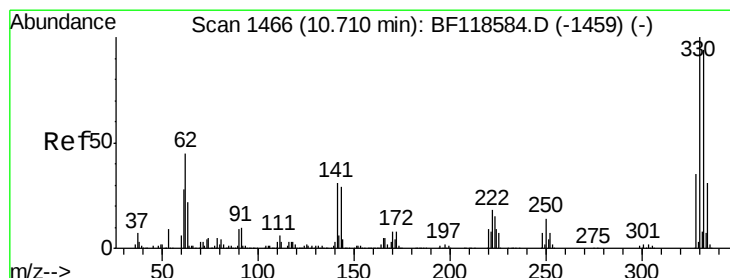
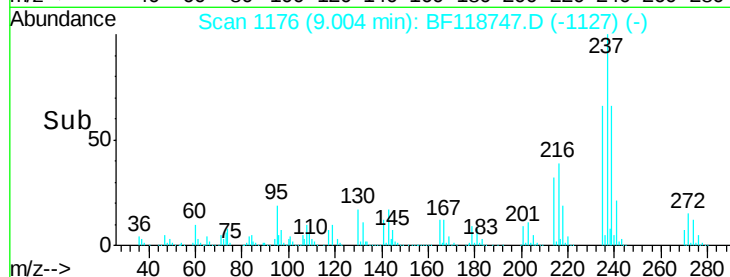
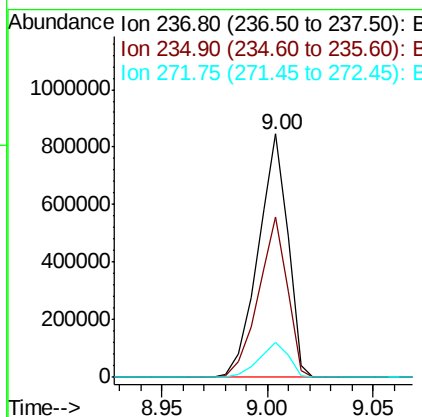
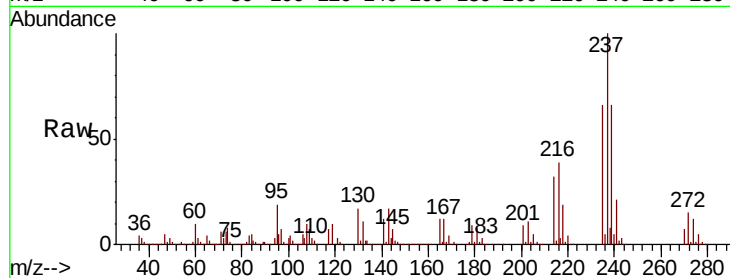
ClientSampleId :

PL-05-012820MSD

Tot Ion:	237	Resp:	822432
Ion Ratio	Lower	Upper	
237	100		
235	65.7	42.7	82.7
272	14.5	0.0	34.4

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#42

2,4,6-Tribromophenol

Concen: 133.767 ng

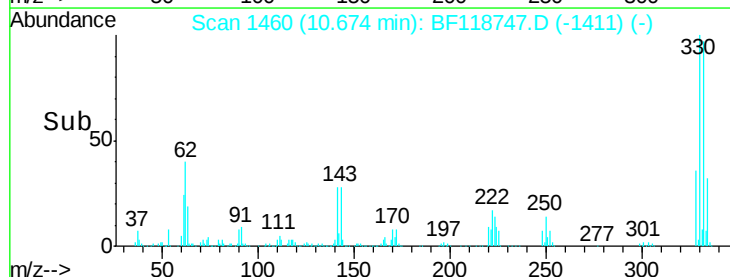
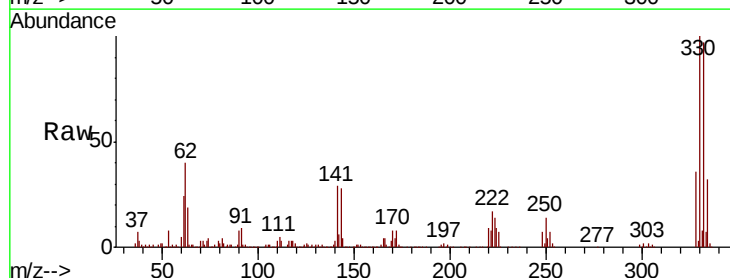
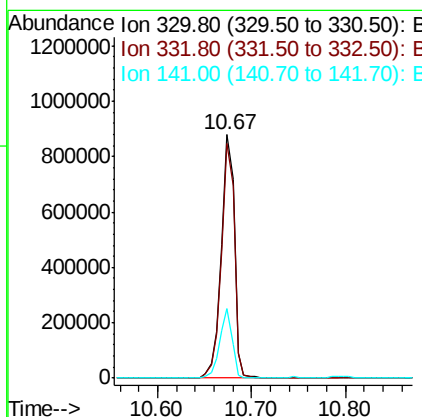
RT: 10.67 min Scan# 1460

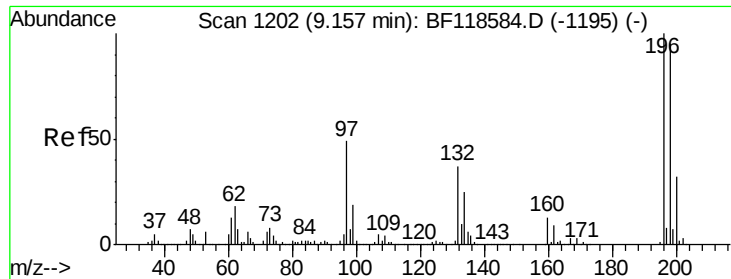
Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	330	Resp:	863068
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.6	116.4
141	27.0	22.2	33.2





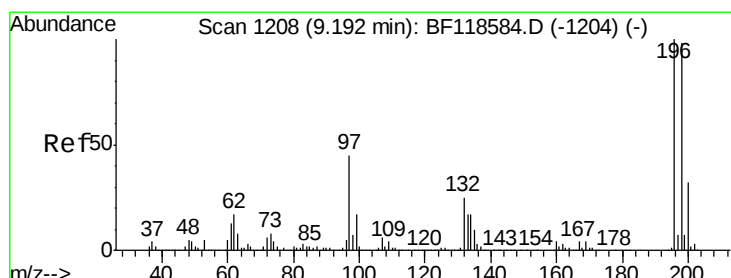
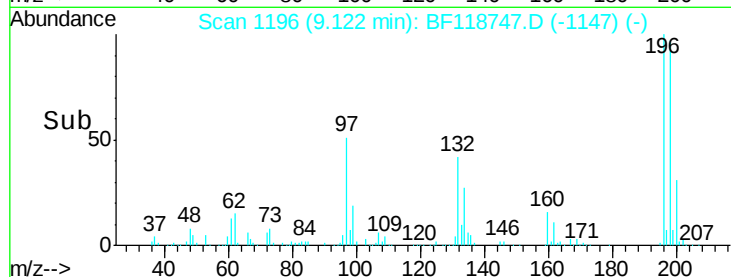
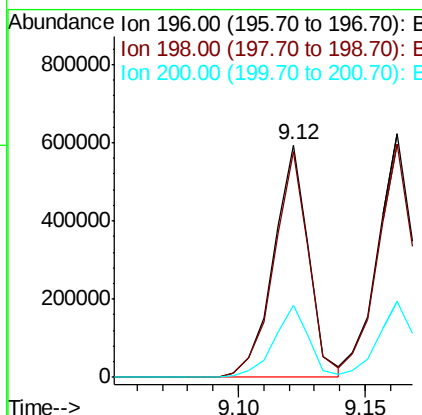
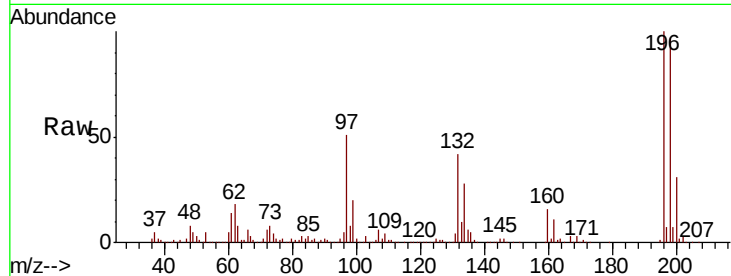
#43
 2,4,6-Trichlorophenol
 Concen: 49.468 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.4	114.6
200	31.0	25.4	38.2

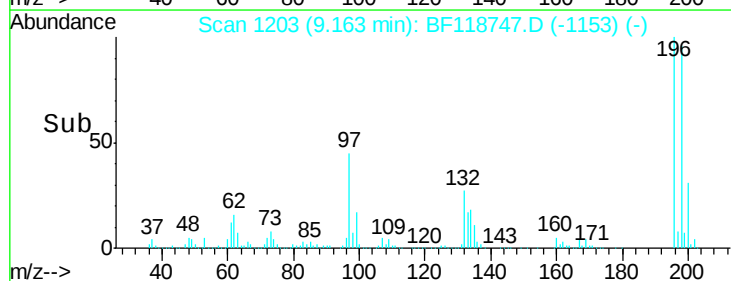
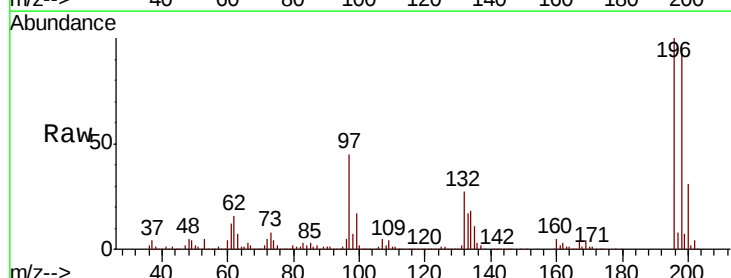
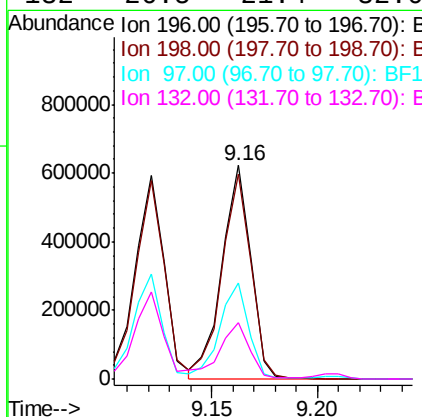
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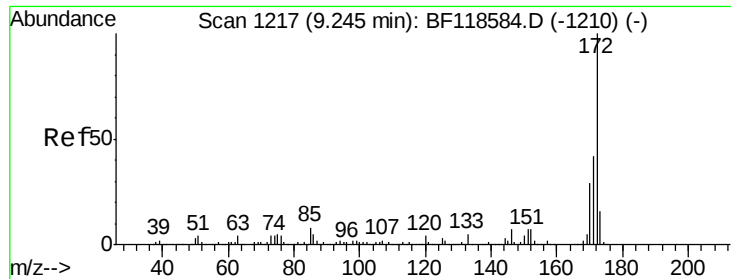
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#44
 2,4,5-Trichlorophenol
 Concen: 49.824 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.2	114.4
97	44.9	35.7	53.5
132	26.5	21.4	32.0





#45

2-Fluorobiphenyl

Concen: 91.909 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

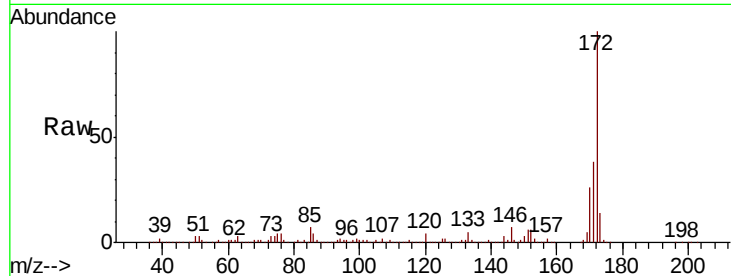
ClientSampleId :

PL-05-012820MSD

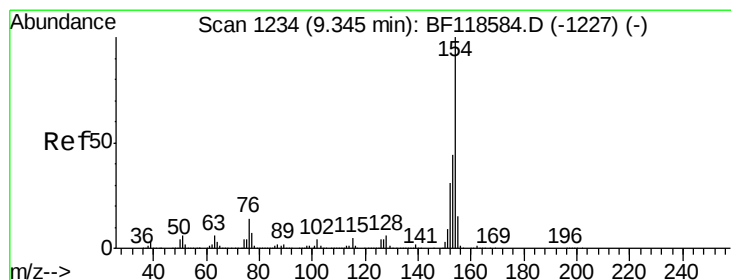
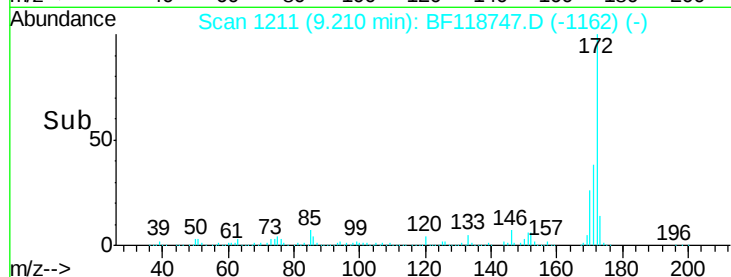
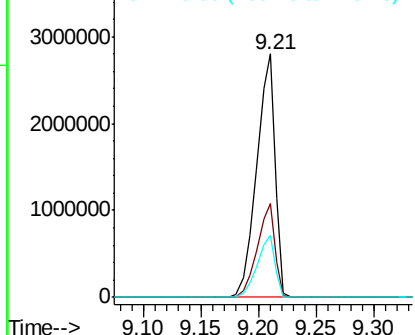
Tot Ion:172	Resp: 3119332		
Ion Ratio	Lower	Upper	
172	100		
171	38.4	31.0	46.4
170	25.6	20.7	31.1

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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: 51.666 ng

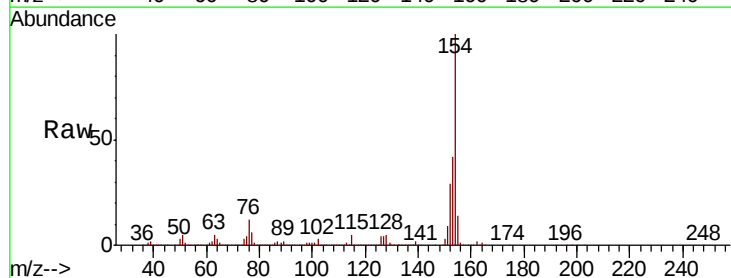
RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

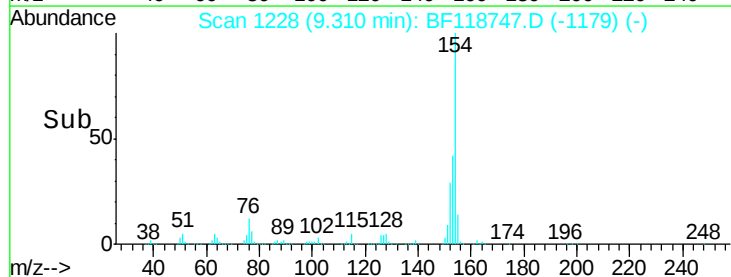
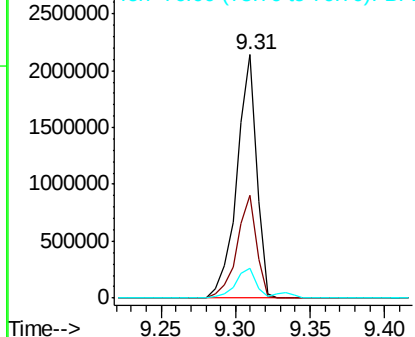
Lab File: BF118747.D

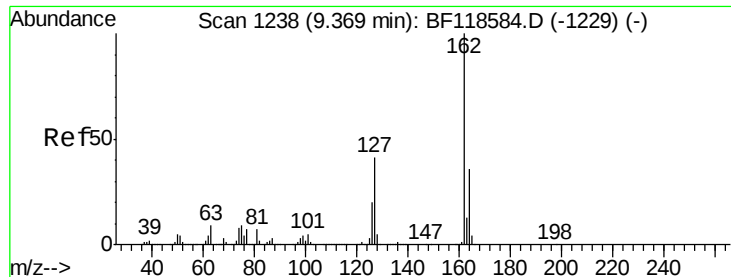
Acq: 29 Jan 2020 22:28

Tgt Ion:154	Resp: 1986337
Ion Ratio	Lower Upper
154 100	
153 42.4	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





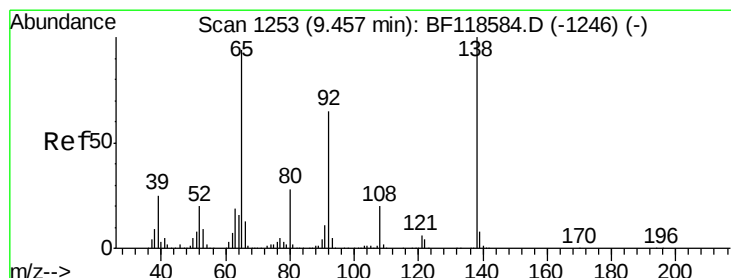
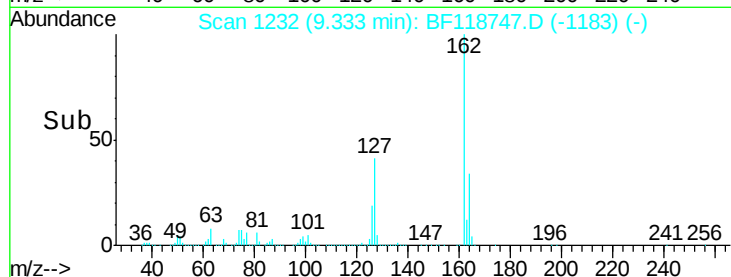
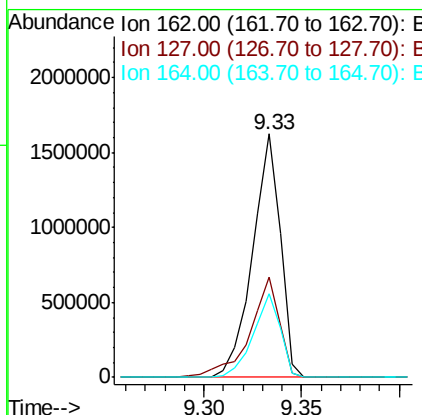
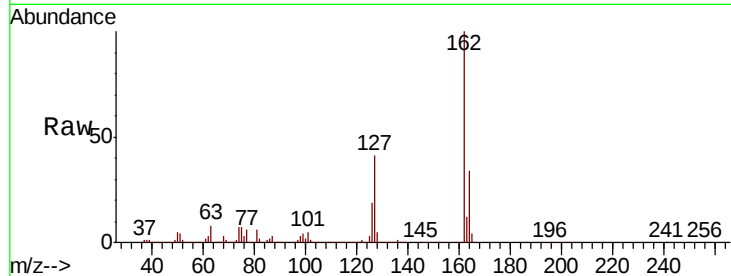
#47
2-Chloronaphthalene
Concen: 49.305 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.9	49.3
164	34.1	27.5	41.3

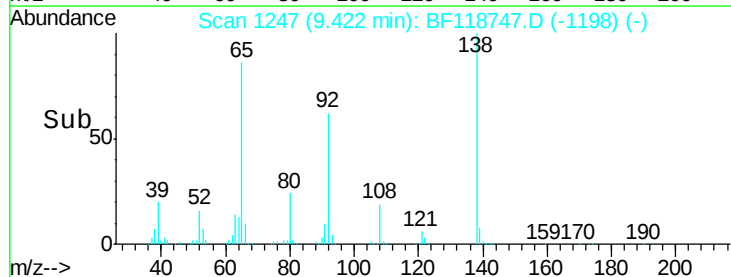
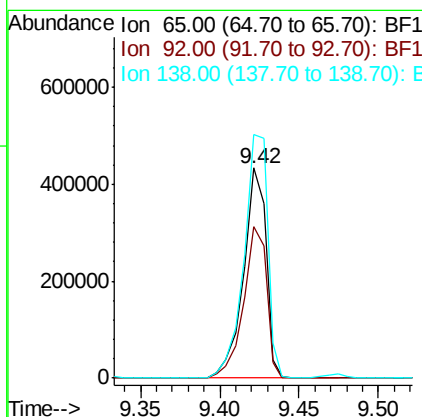
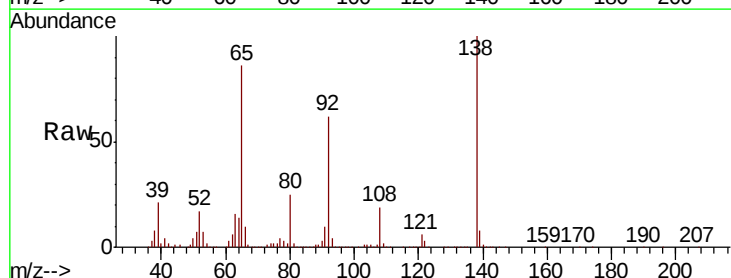
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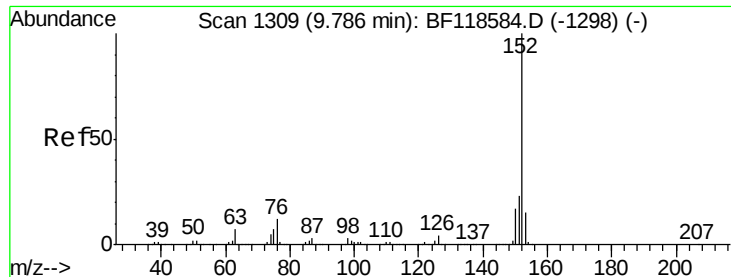
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#48
2-Nitroaniline
Concen: 42.807 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.8	86.6
138	115.9	95.1	142.7





#49

Acenaphthylene

Concen: 52.854 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:152 Resp: 2409472

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

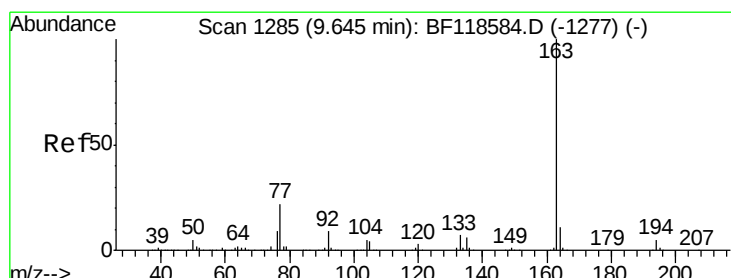
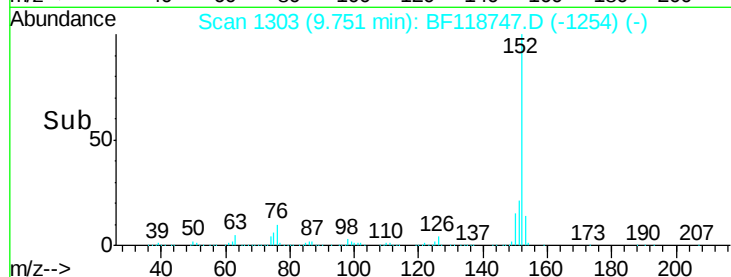
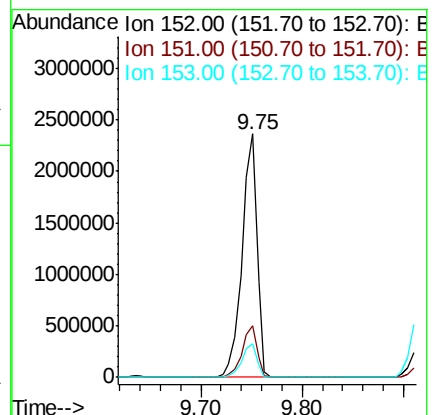
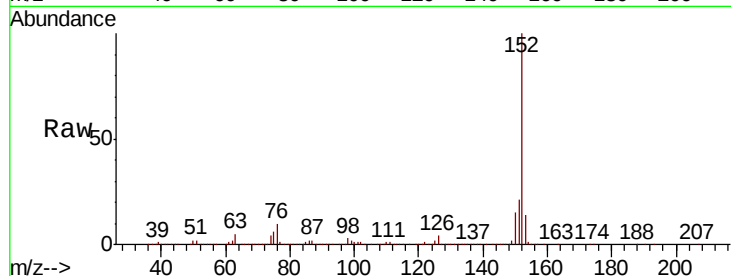
153 14.0 11.0 16.4

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#50

Dimethylphthalate

Concen: 54.156 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

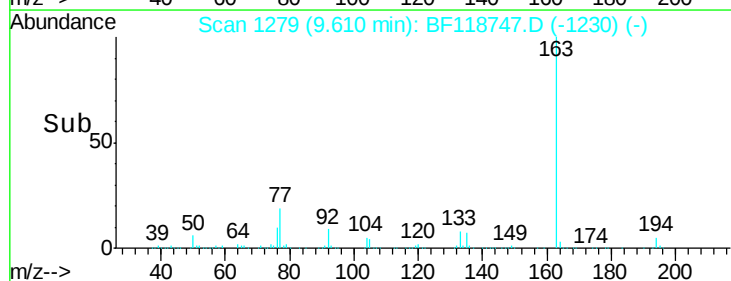
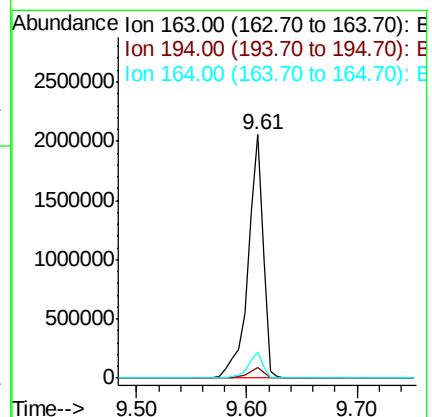
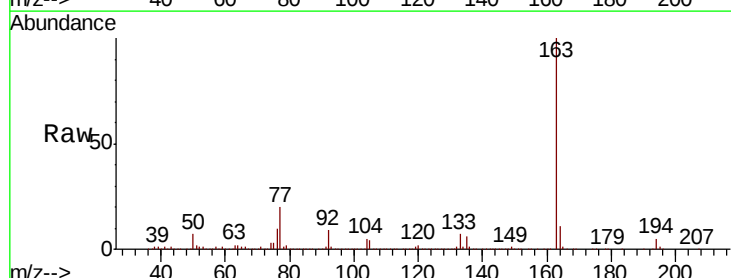
Tgt Ion:163 Resp: 1968213

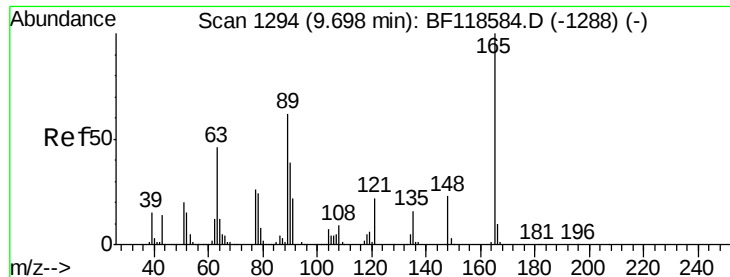
Ion Ratio Lower Upper

163 100

194 4.6 3.7 5.5

164 10.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 53.484 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:165 Resp: 435269

Ion Ratio Lower Upper

165 100

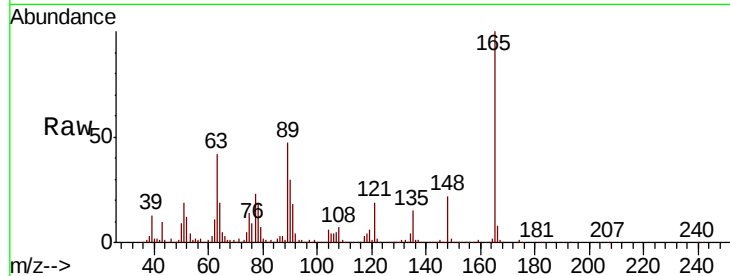
63 42.0 39.8 59.6

89 47.0 41.4 62.2

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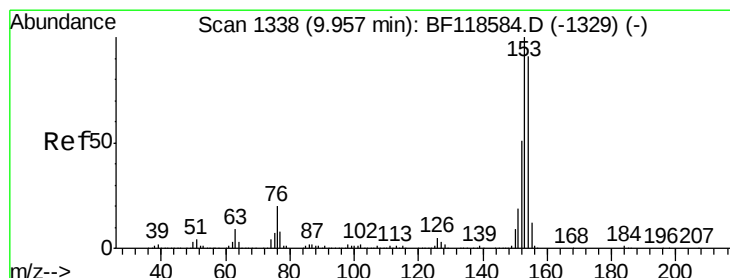
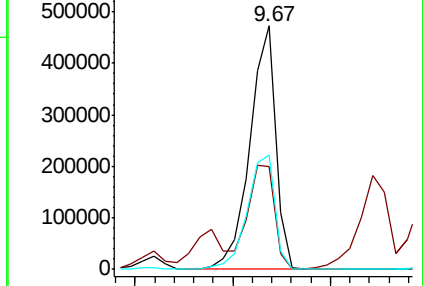
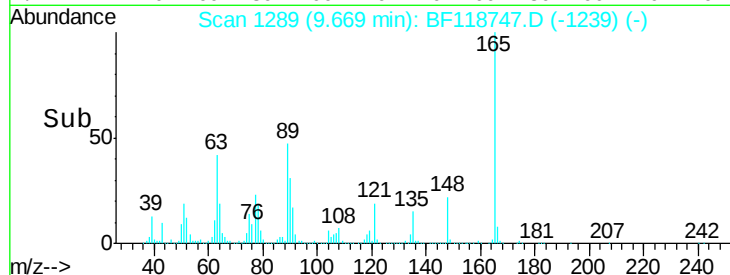


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



#52

Acenaphthene

Concen: 51.705 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

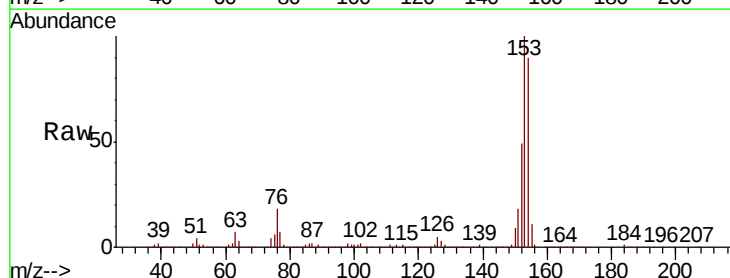
Tgt Ion:154 Resp: 1576123

Ion Ratio Lower Upper

154 100

153 111.1 89.1 133.7

152 54.1 43.0 64.6

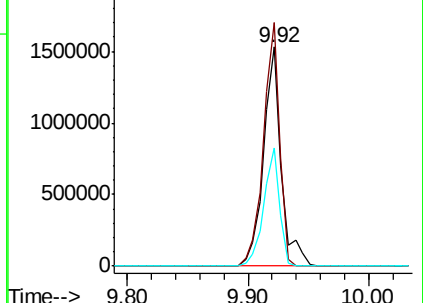
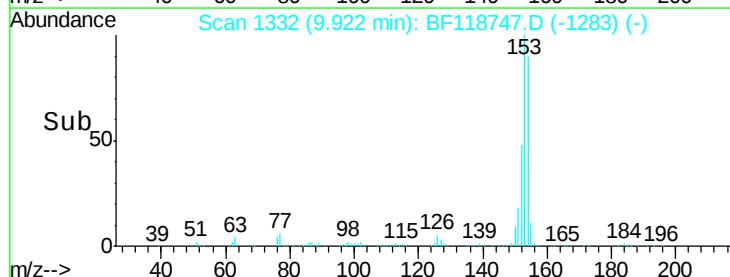


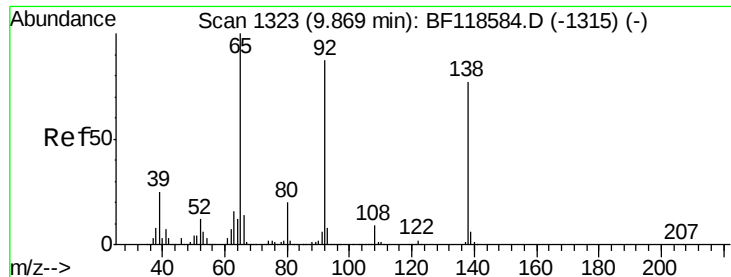
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->





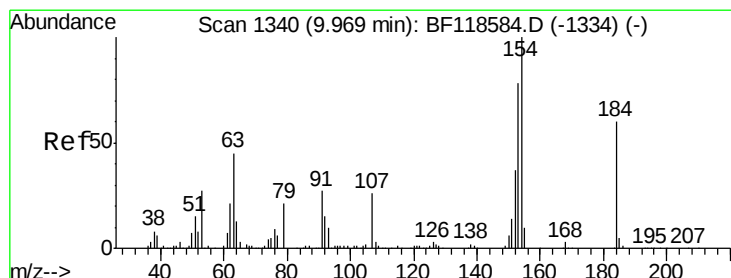
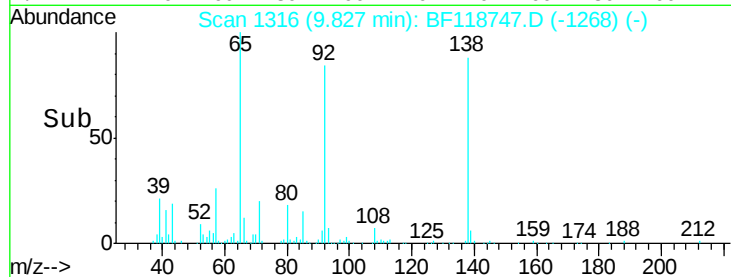
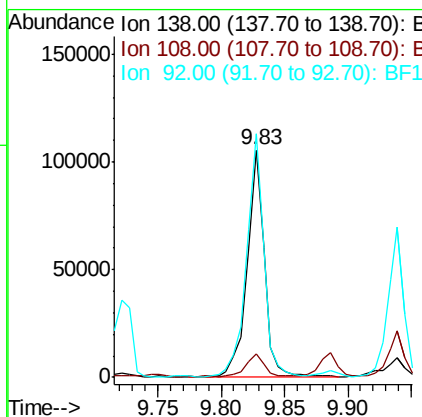
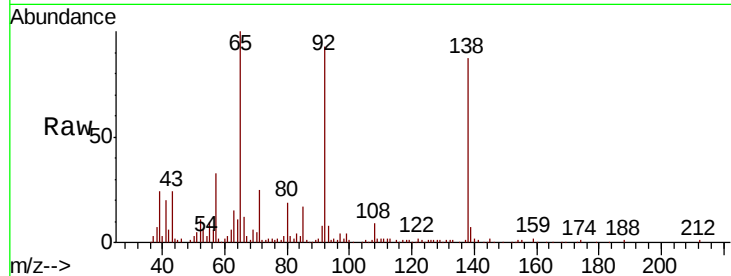
#53
3-Nitroaniline
Concen: 10.793 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.8	13.2
92	107.2	87.8	131.6

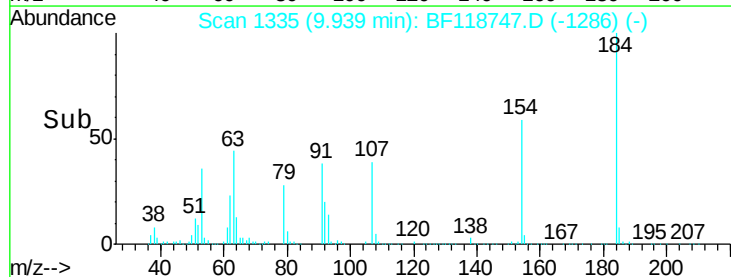
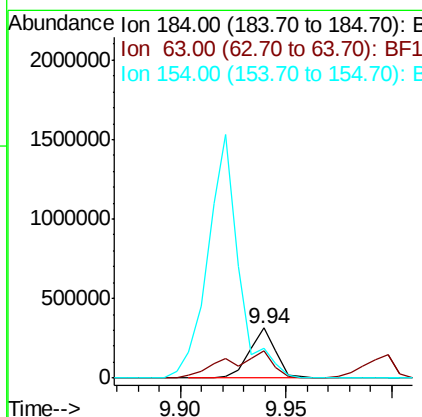
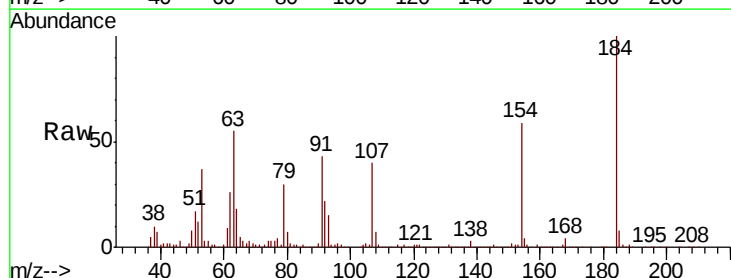
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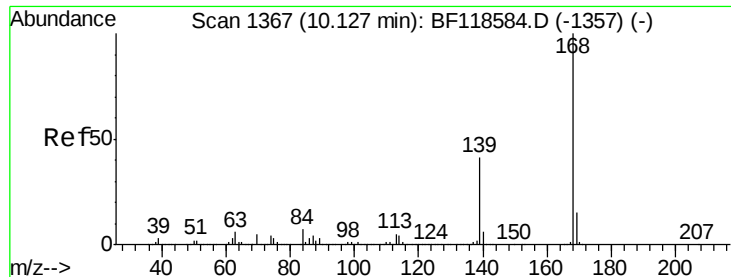
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#54
2,4-Dinitrophenol
Concen: 85.094 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.8	36.0	54.0#
154	58.6	44.6	66.8





#55

Dibenzofuran

Concen: 51.162 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion:168 Resp: 2161289

Ion Ratio Lower Upper

168 100

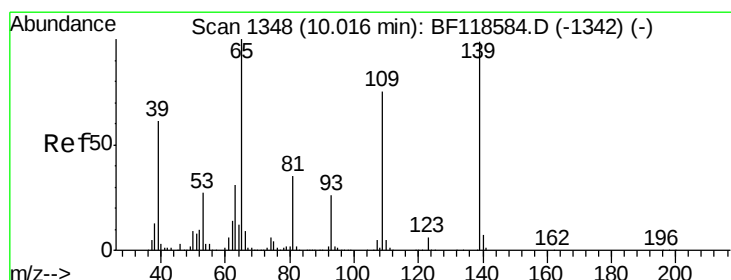
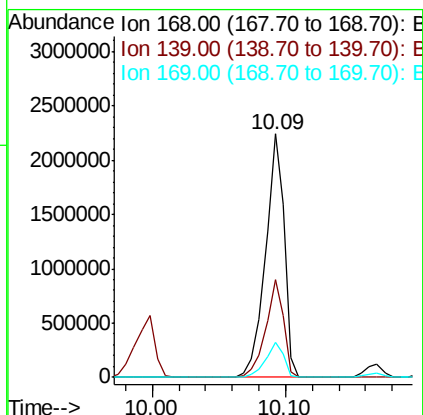
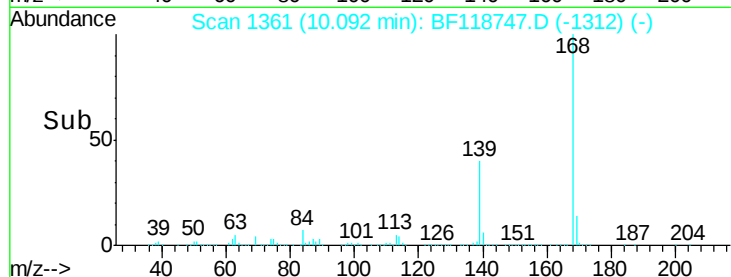
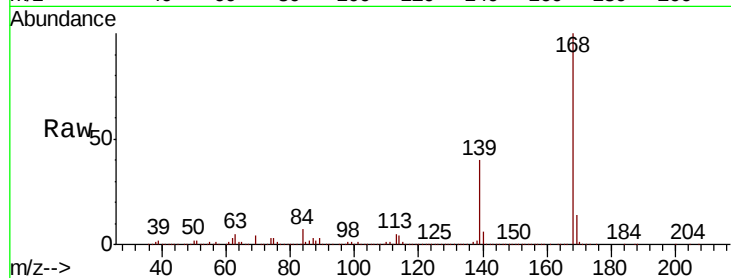
139 40.0 31.6 47.4

169 14.4 11.4 17.0

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#56

4-Nitrophenol

Concen: 83.555 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

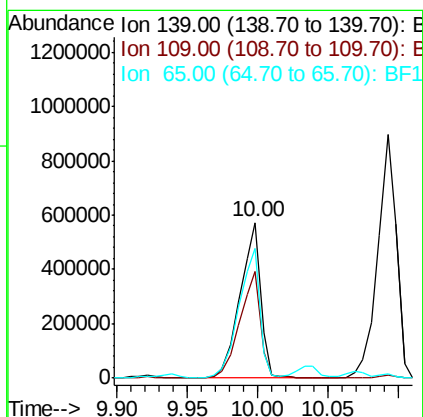
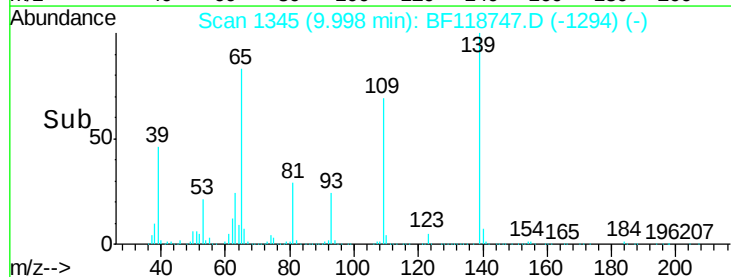
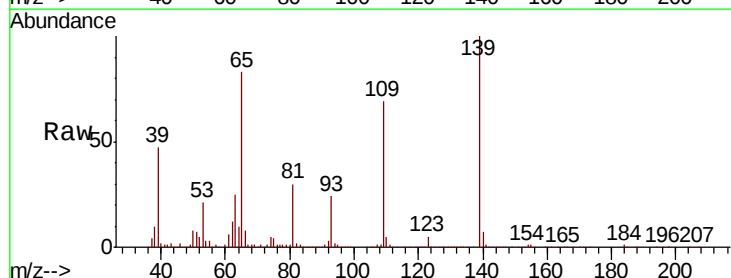
Tgt Ion:139 Resp: 586159

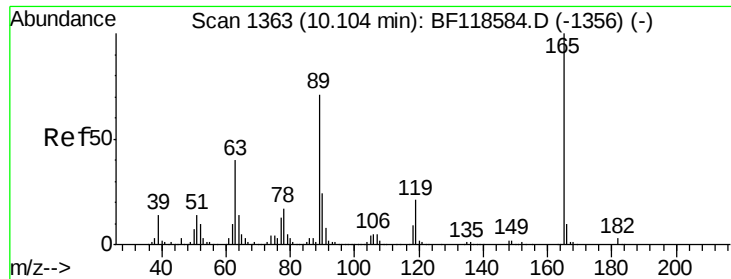
Ion Ratio Lower Upper

139 100

109 68.8 47.0 87.0

65 83.1 65.7 105.7





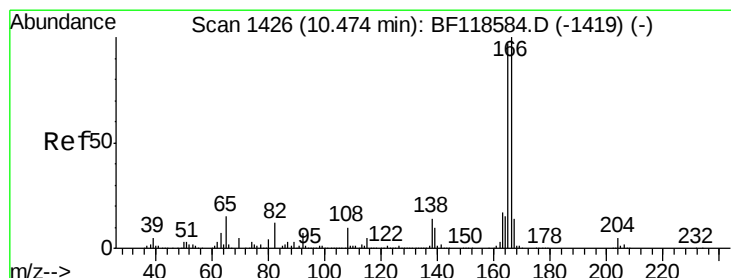
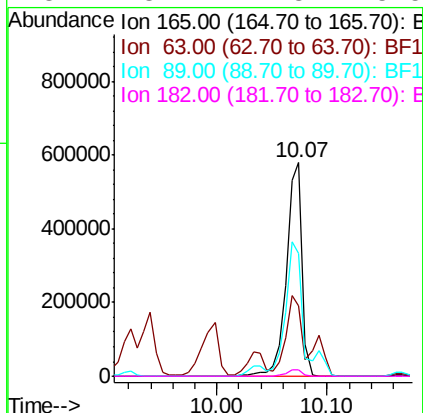
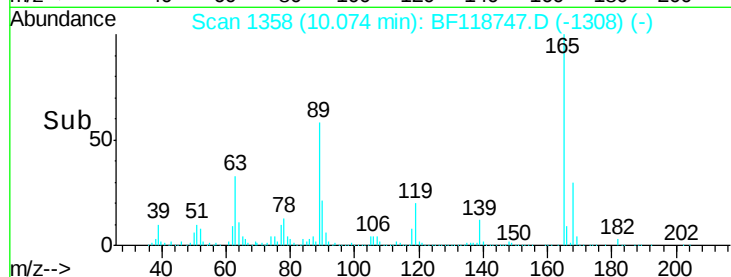
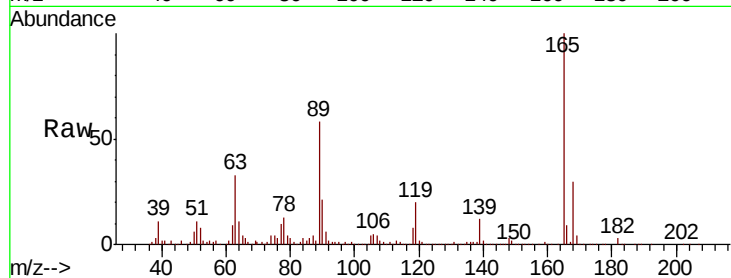
#57
 2,4-Dinitrotoluene
 Concen: 54.783 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	33.0	28.5	42.7
89	57.5	50.4	75.6
182	3.2	2.3	3.5

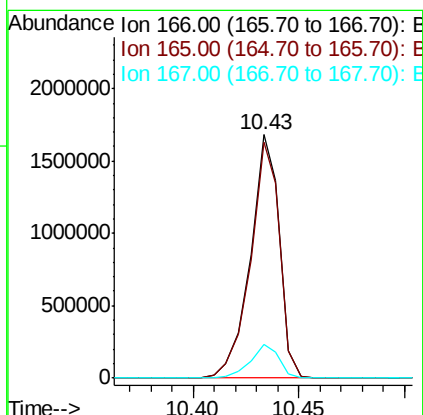
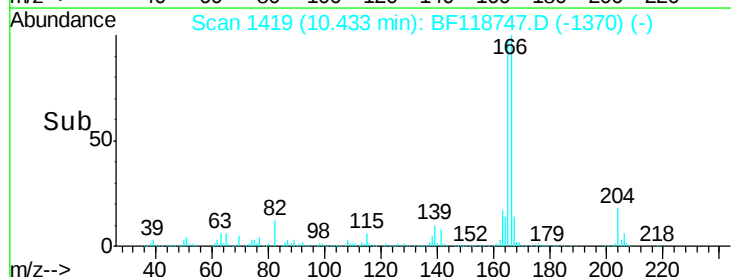
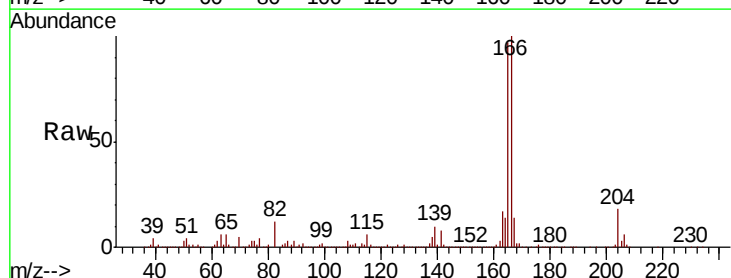
Manual Integrations
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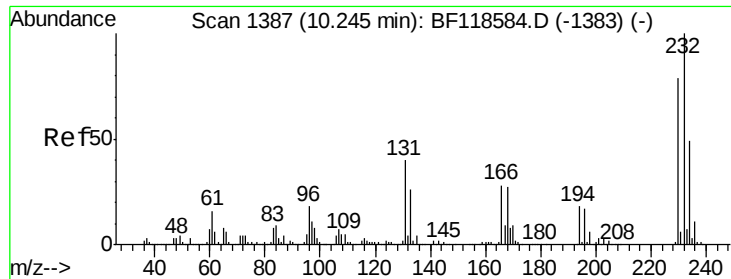
mohammad
 1/30/2020 10:18:23 AM



#58
 Fluorene
 Concen: 48.297 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.6	118.0
167	13.9	11.4	17.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.211 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

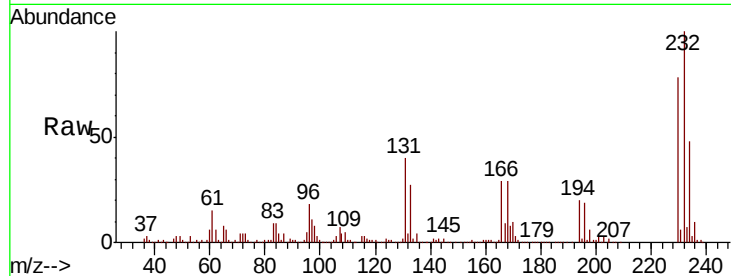
ClientSampleId :

PL-05-012820MSD

Tot Ion:	232	Resp:	491193
Ion Ratio	Lower	Upper	
232	100		
131	39.7	31.8	47.6
130	2.1	1.5	2.3
166	28.3	22.8	34.2

Manual Integrations
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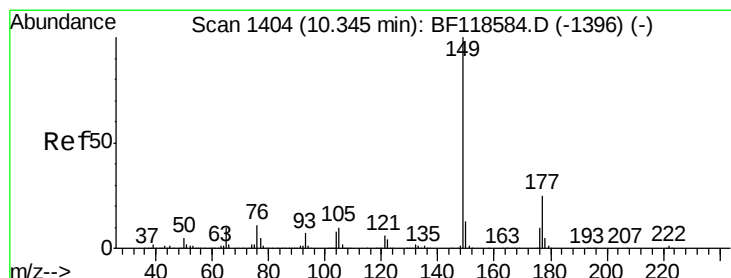
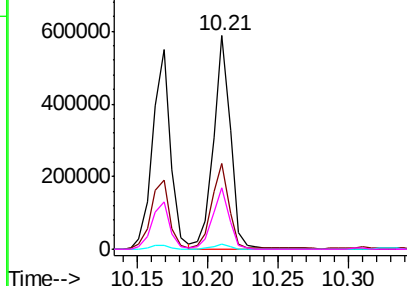
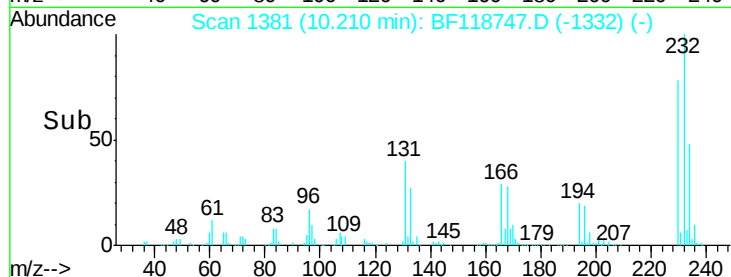


Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.209 ng

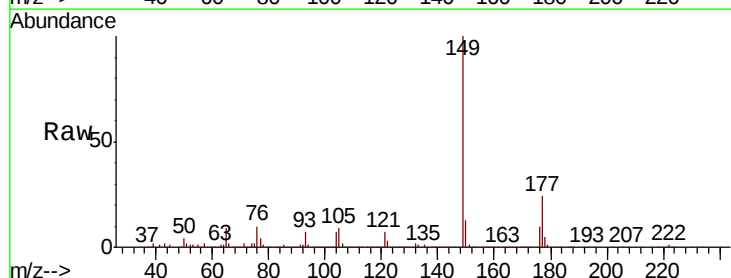
RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

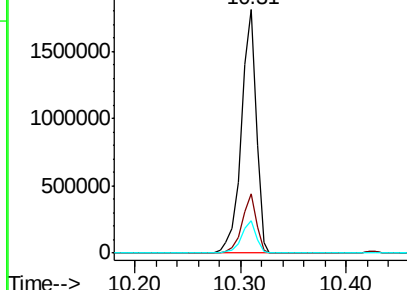
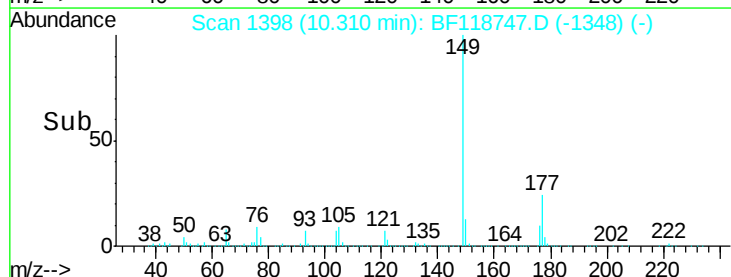
Tgt Ion:	149	Resp:	1733996
Ion Ratio	Lower	Upper	
149	100		
177	24.3	19.1	28.7
150	13.3	10.5	15.7

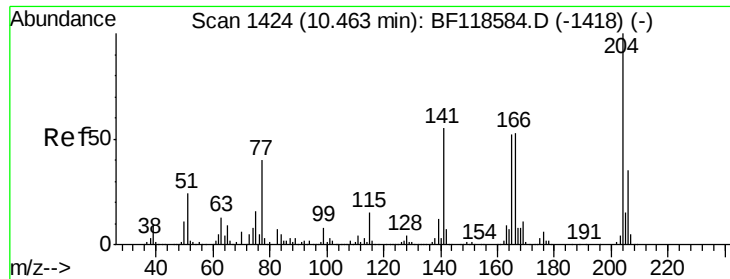


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





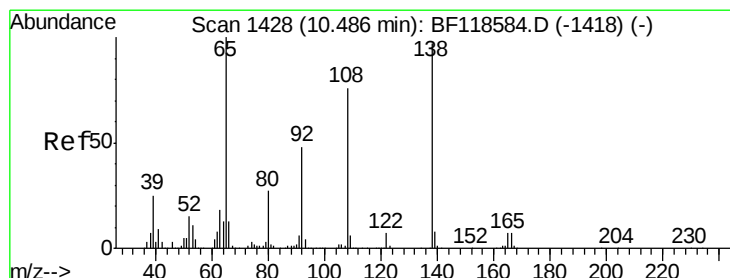
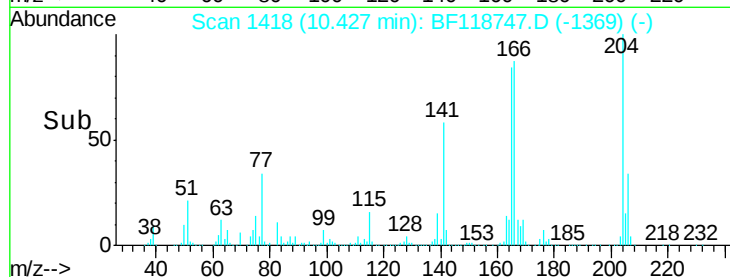
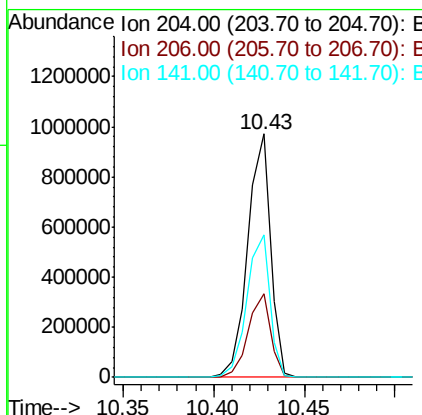
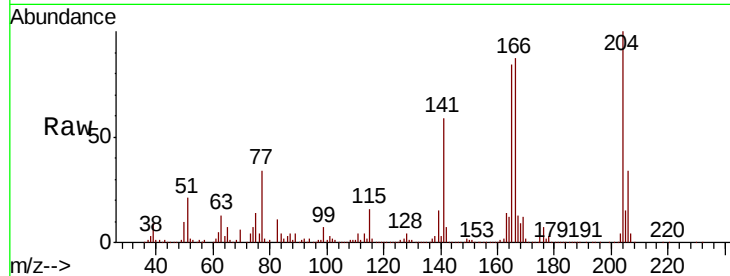
#61
4-Chlorophenyl-phenylether
Concen: 47.136 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.4	27.0	40.6
141	58.5	43.9	65.9

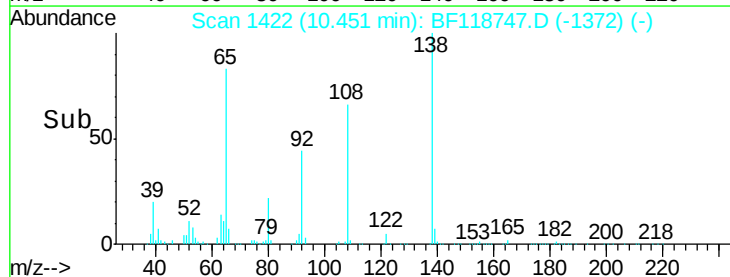
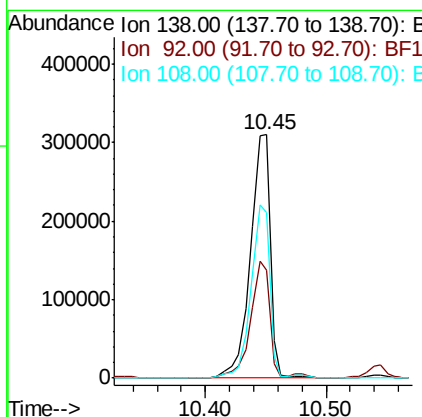
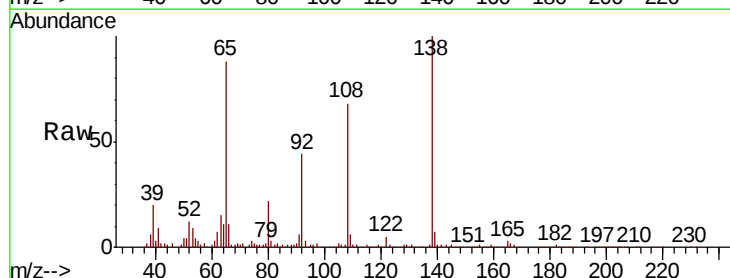
Manual Integrations
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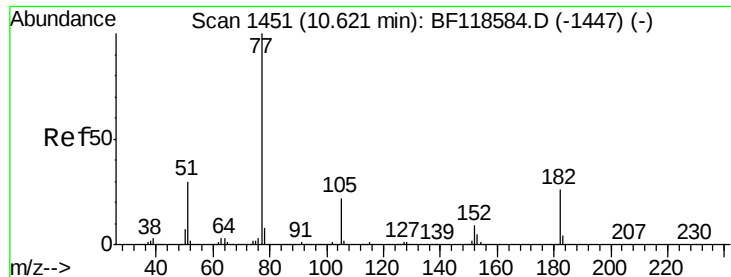
mohammad
1/30/2020 10:18:23 AM



#62
4-Nitroaniline
Concen: 37.668 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.2	29.2	69.2
108	67.9	50.8	90.8





#63

Azobenzene

Concen: 45.691 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

ClientSampleId :

PL-05-012820MSD

Tot Ion: 77 Resp: 1559277

Ion Ratio Lower Upper

77 100

182 30.8 12.3 52.3

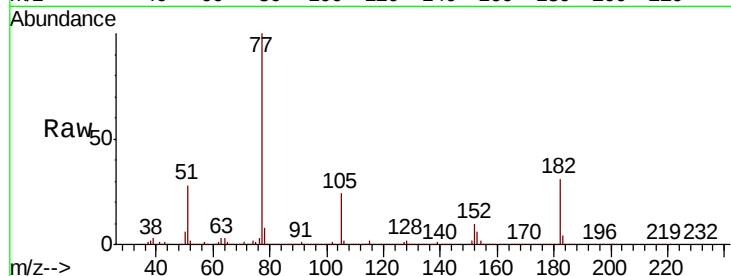
105 23.6 4.0 44.0

51 27.8 7.2 47.2

Manual Integrations
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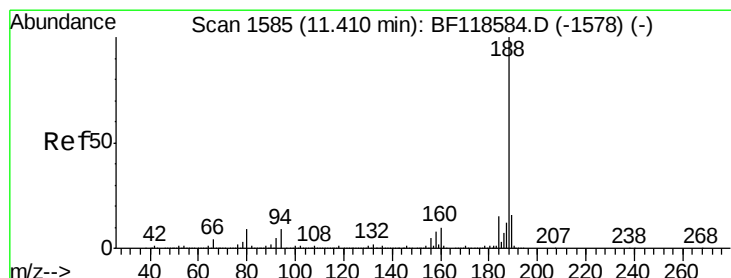
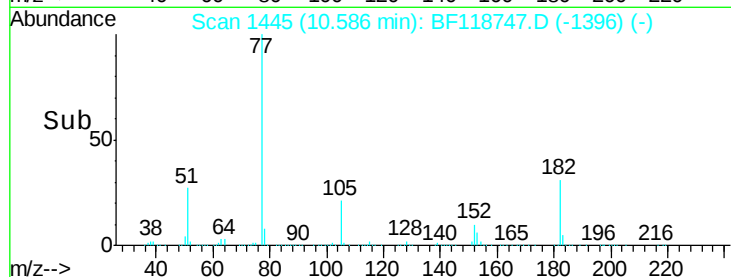
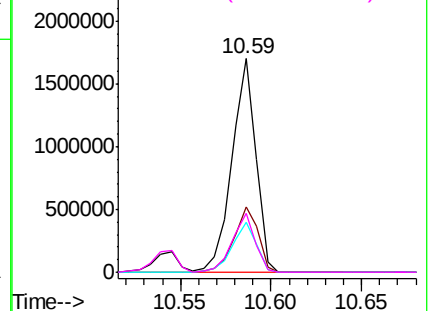


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

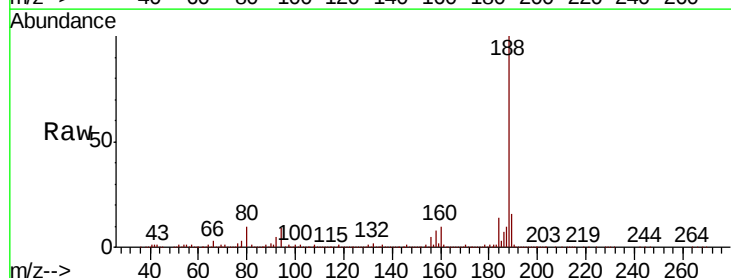
Tgt Ion: 188 Resp: 949884

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

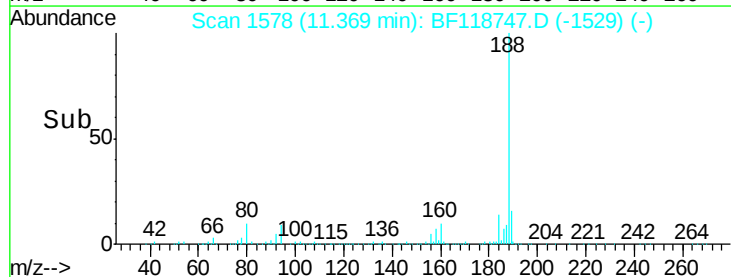
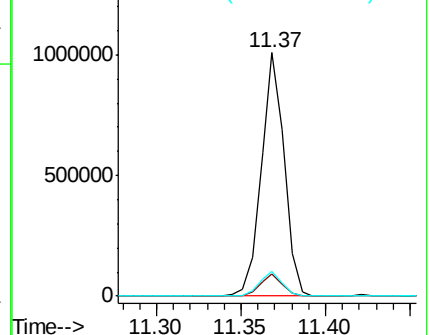
80 10.0 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





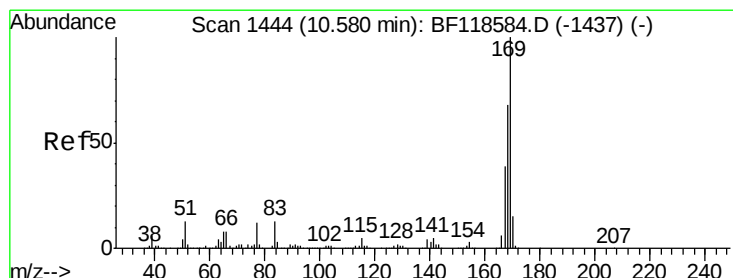
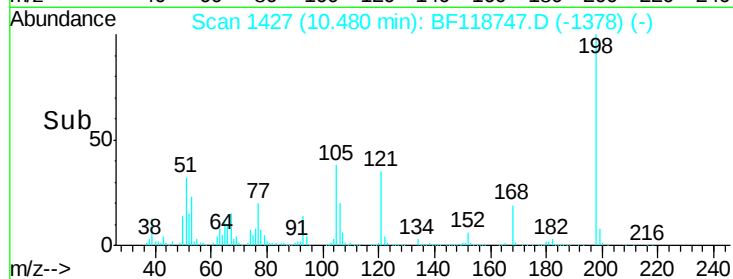
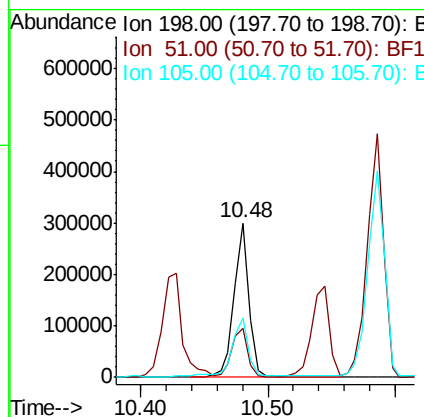
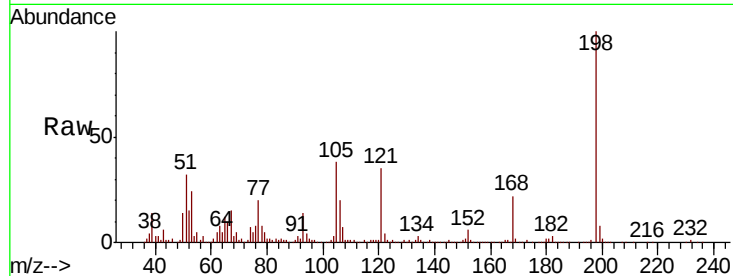
#65
 4,6-Dinitro-2-methylphenol
 Concen: 57.787 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	241371		
51	32.0	9.6	49.6	
105	38.5	15.5	55.5	

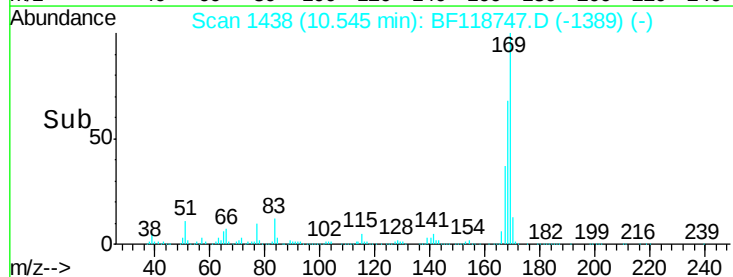
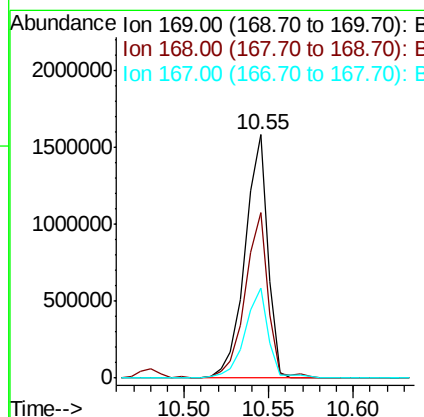
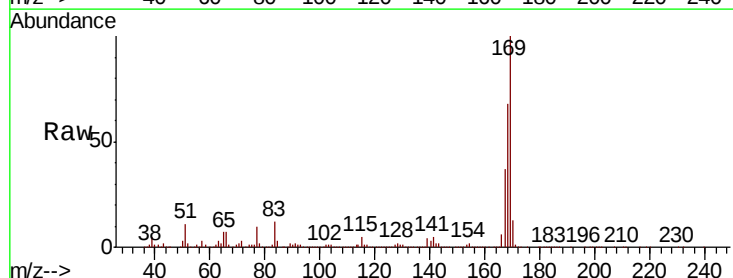
Manual Integrations
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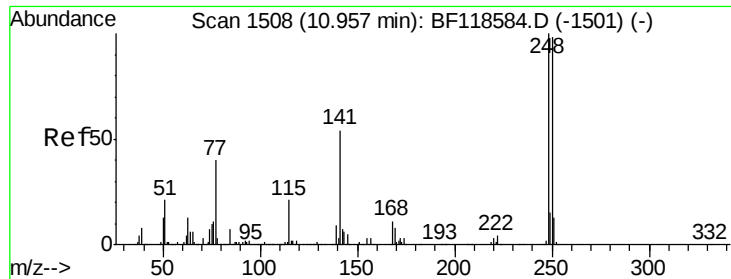
mohammad
 1/30/2020 10:18:23 AM



#66
 n-Nitrosodiphenylamine
 Concen: 52.128 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1493274		
168	67.8	53.4	80.0	
167	36.7	29.2	43.8	





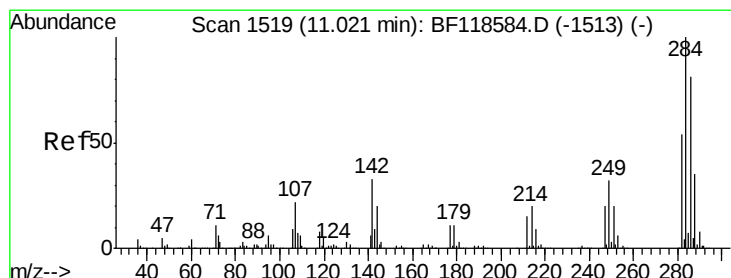
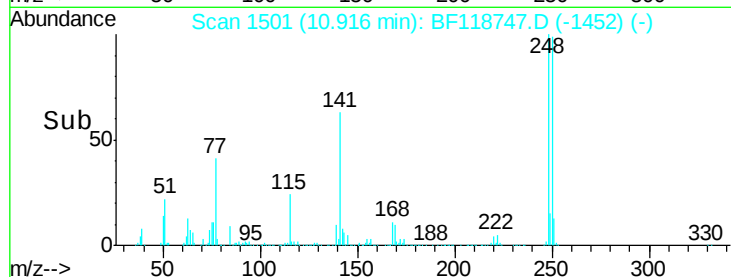
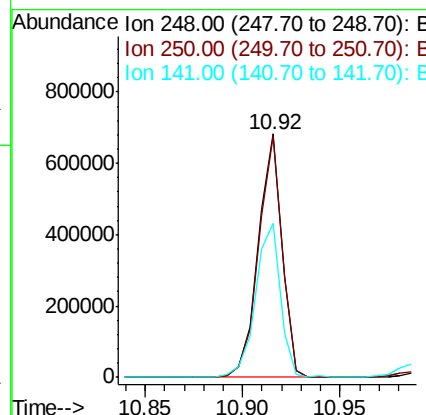
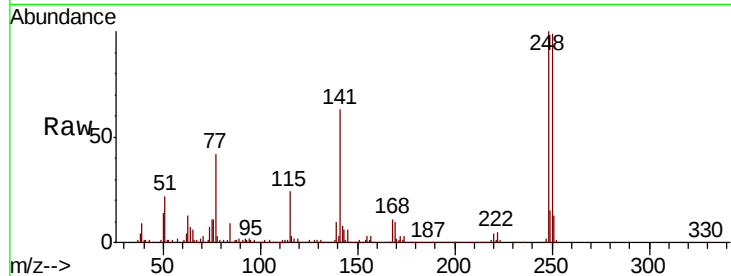
#67
4-Bromophenyl-phenylether
Concen: 49.167 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.7	118.1
141	63.3	48.4	72.6

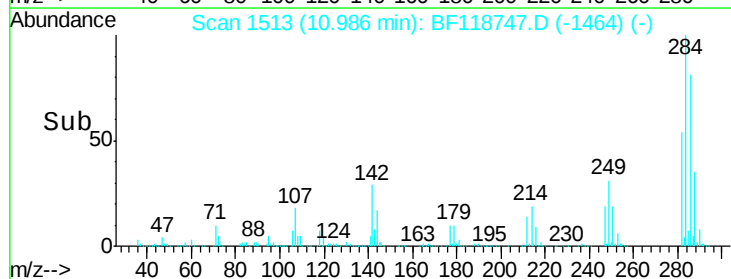
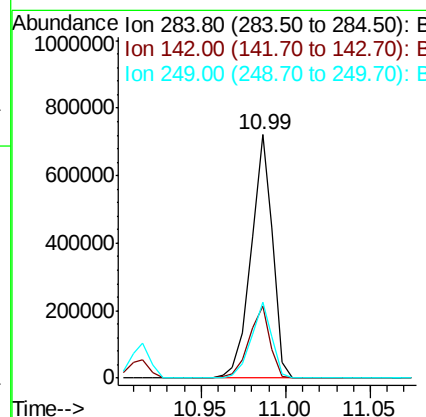
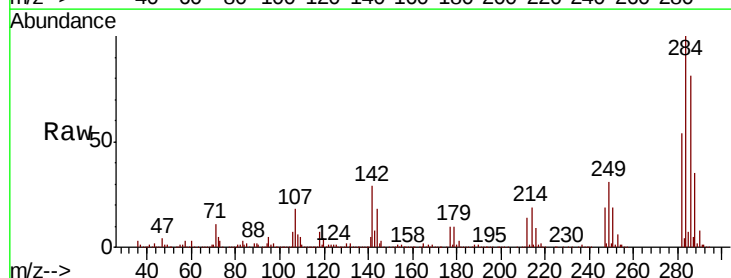
Manual Integrations
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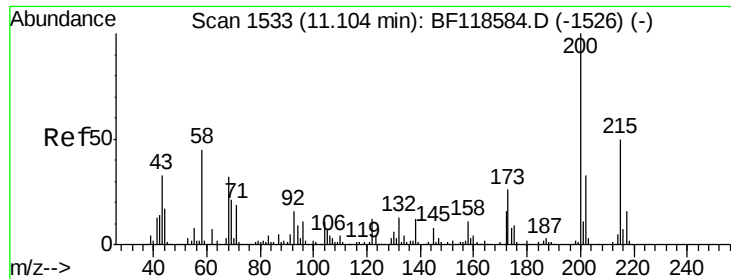
mohammad
1/30/2020 10:18:23 AM



#68
Hexachlorobenzene
Concen: 48.010 ng
RT: 10.99 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.5	23.1	34.7
249	31.1	24.0	36.0





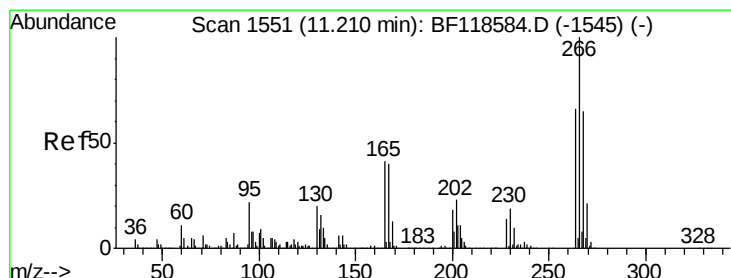
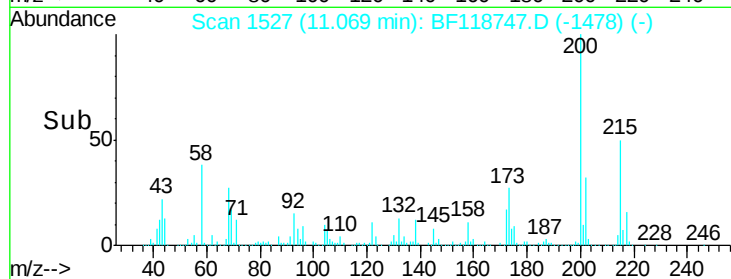
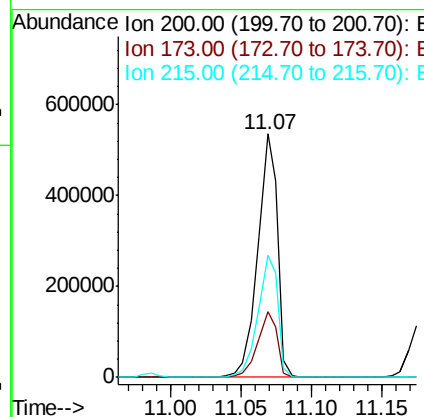
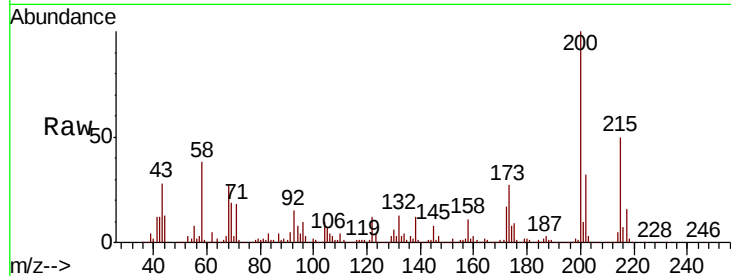
#69
Atrazine
Concen: 53.416 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.8	46.8
215	50.0	30.4	70.4

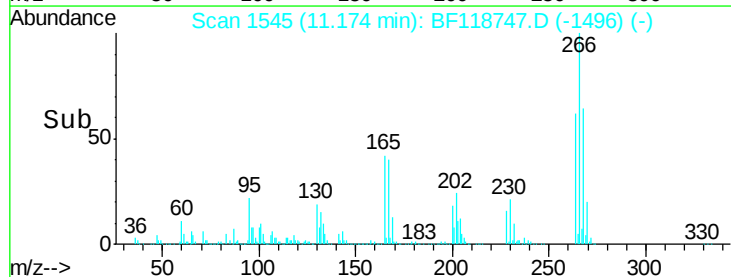
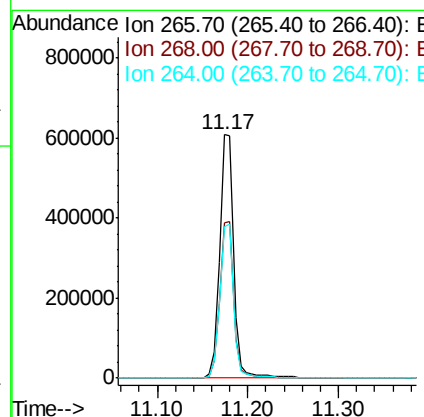
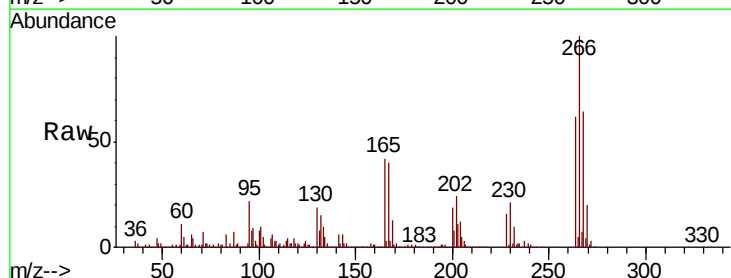
Manual Integrations
APPROVED

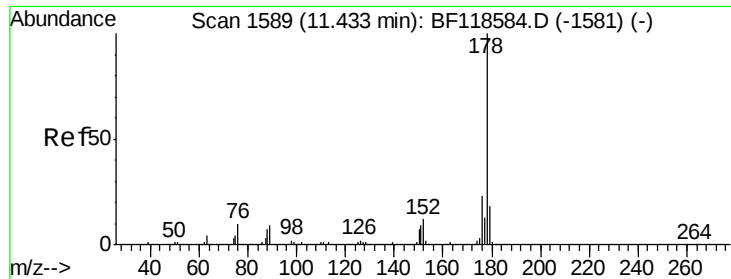
mohammad
1/30/2020 10:18:23 AM



#70
Pentachlorophenol
Concen: 87.780 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.6	77.4
264	62.4	50.9	76.3





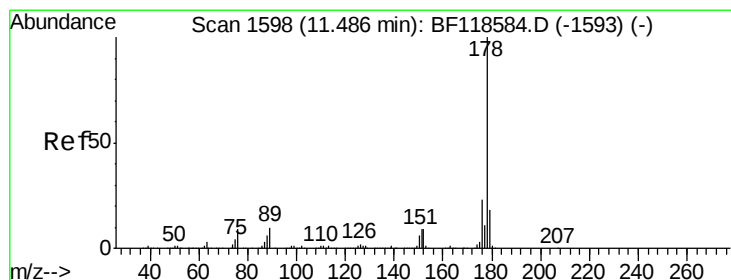
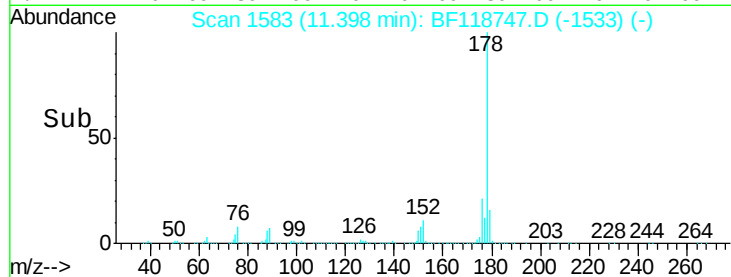
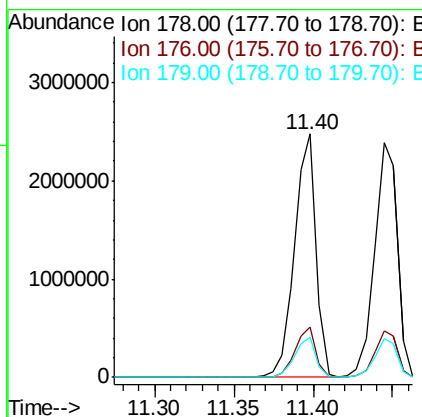
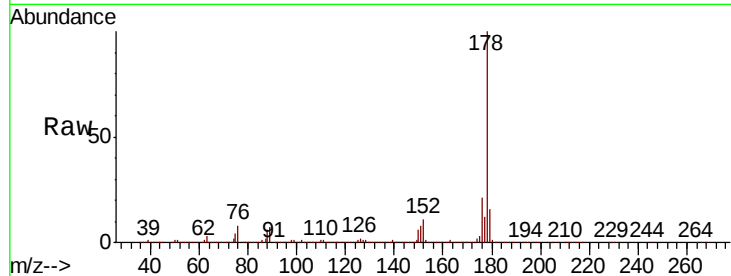
#71
Phenanthrene
Concen: 50.518 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion:178 Resp: 2315080
Ion Ratio Lower Upper
178 100
176 20.8 16.5 24.7
179 16.5 13.3 19.9

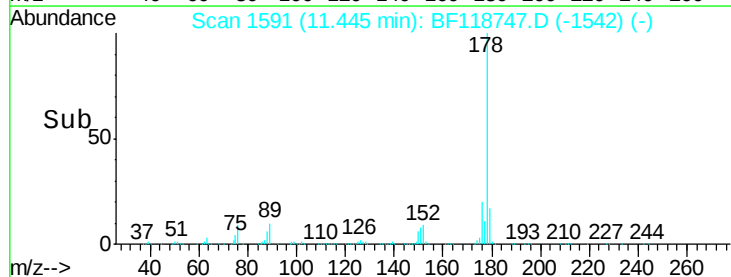
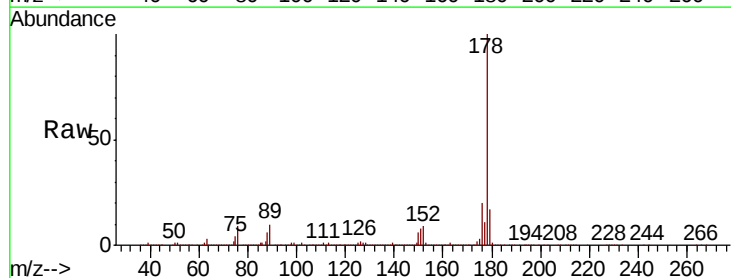
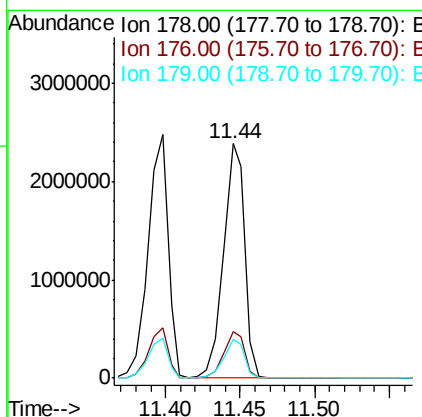
Manual Integrations
APPROVED

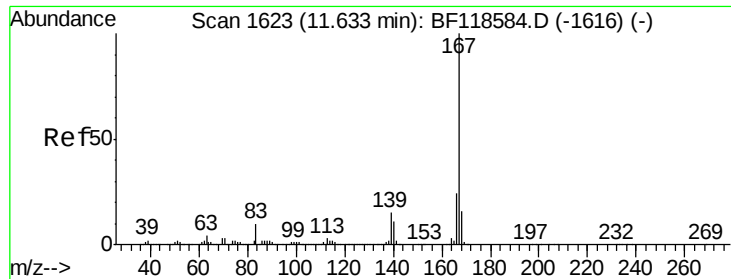
mohammad
1/30/2020 10:18:23 AM



#72
Anthracene
Concen: 52.927 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion:178 Resp: 2399968
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 16.8 13.3 19.9





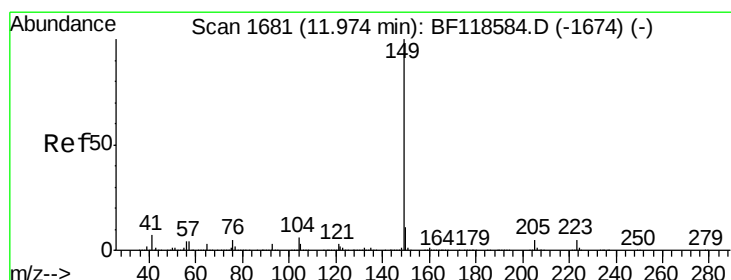
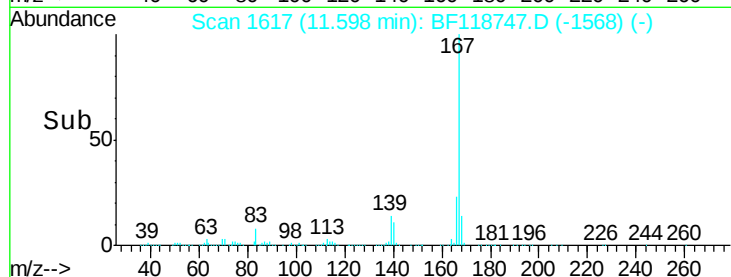
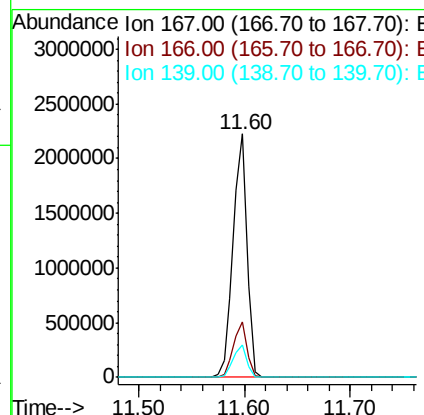
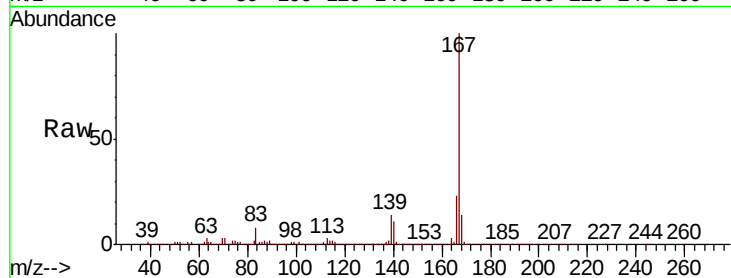
#73
 Carbazole
 Concen: 48.774 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.3	27.5
139	13.6	11.0	16.4

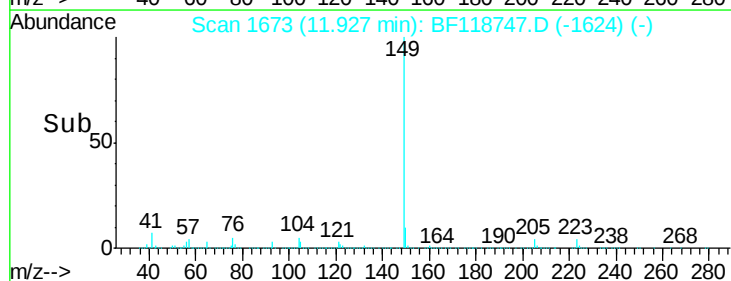
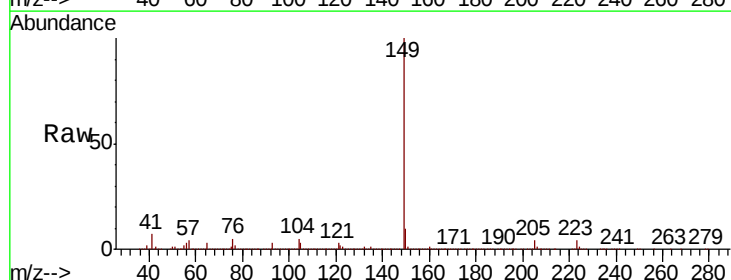
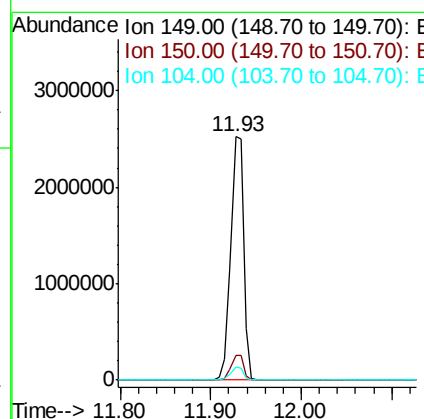
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#74
 Di-n-butylphthalate
 Concen: 53.189 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.2	12.2
104	5.3	4.2	6.4





#75

Fluoranthene

Concen: 48.745 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

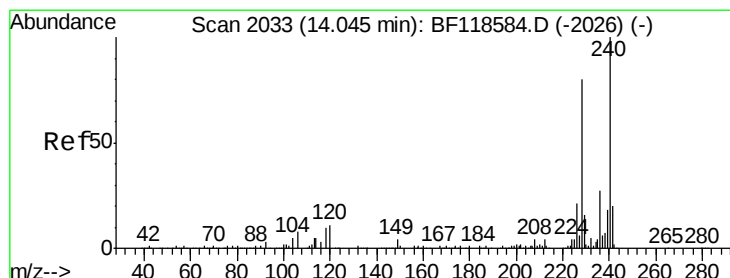
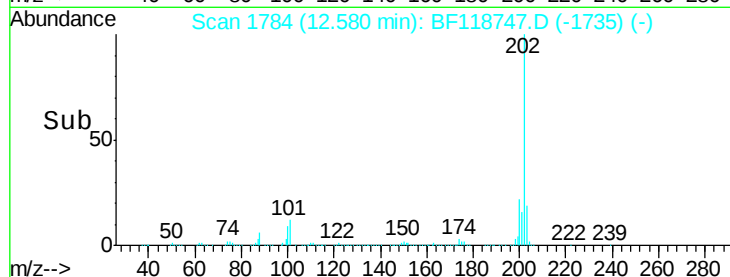
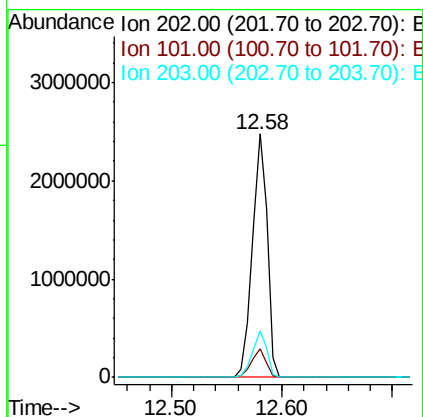
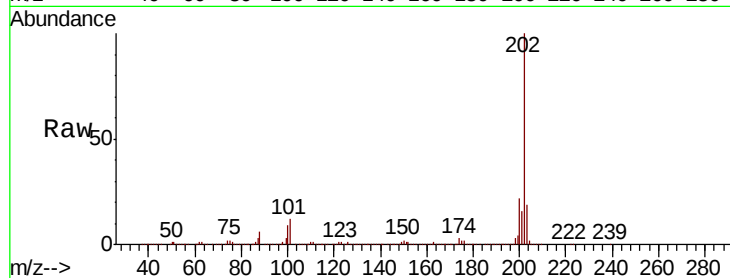
ClientSampleId :

PL-05-012820MSD

Tot Ion:	202	Resp:	2356046
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.1
203	19.1	0.0	38.9

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#76

Chrysene-d12

Concen: 20.000 ng

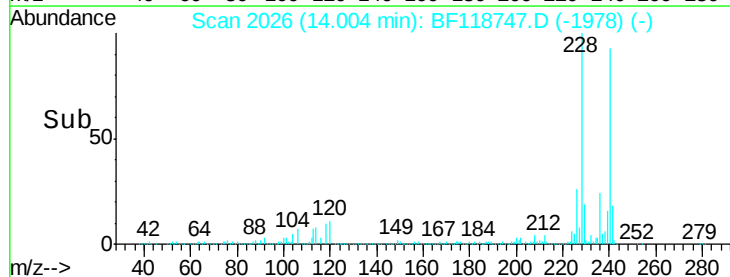
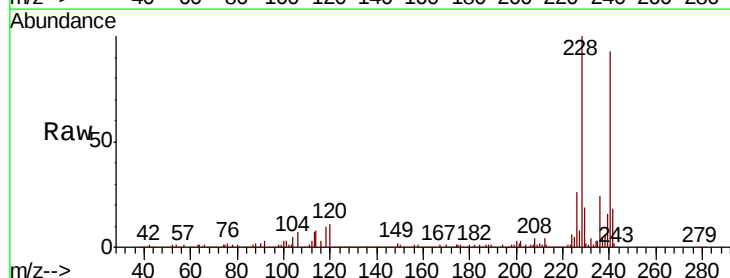
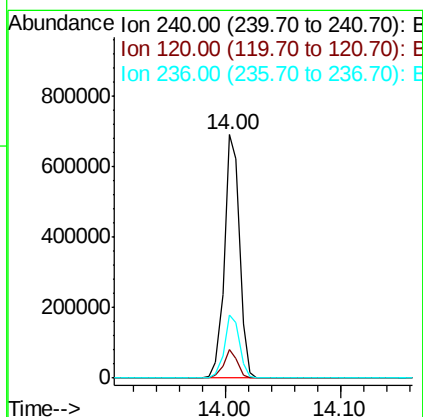
RT: 14.00 min Scan# 2026

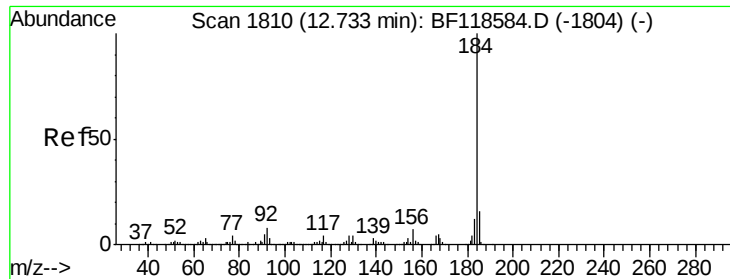
Delta R.T. -0.02 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	240	Resp:	630111
Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.6	11.4#
236	25.9	21.0	31.4





#77

Benzidine

Concen: 12.456 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Instrument :

BNA_F

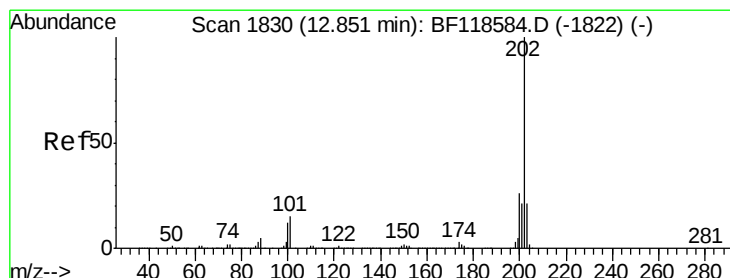
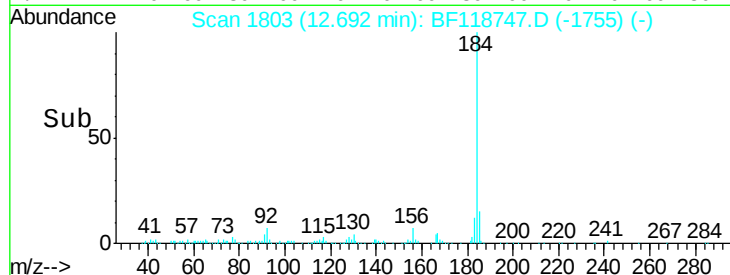
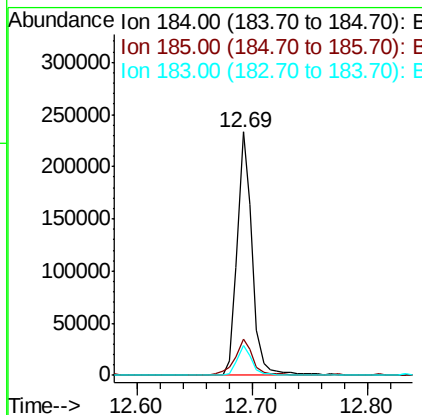
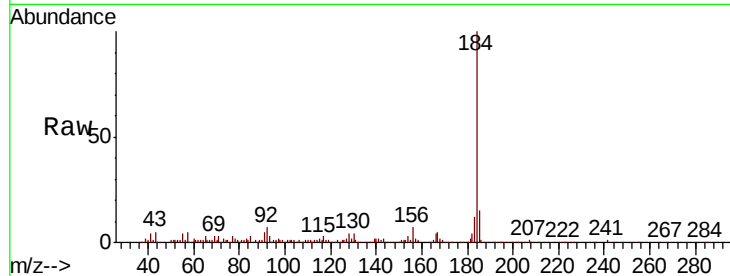
ClientSampleId :

PL-05-012820MSD

Tot Ion:	184	Resp:	209705
Ion Ratio		Lower	Upper
184	100		
185	14.8	11.8	17.8
183	12.2	9.7	14.5

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#78

Pyrene

Concen: 54.990 ng

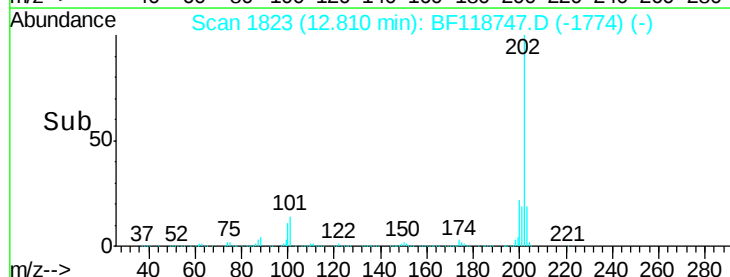
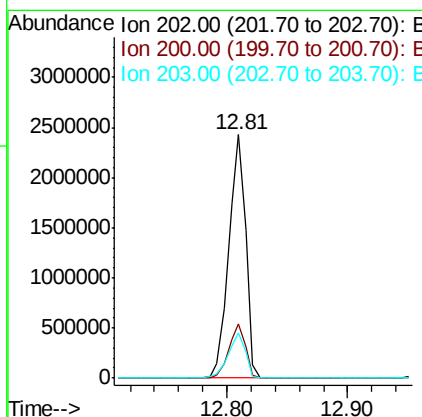
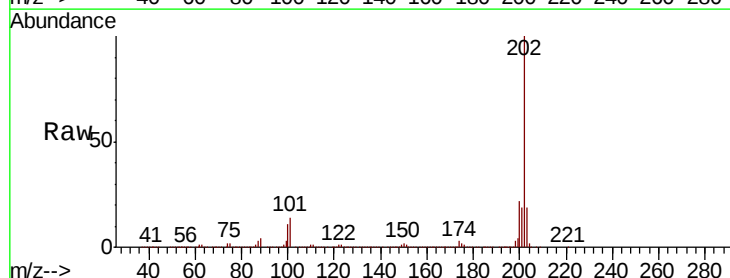
RT: 12.81 min Scan# 1823

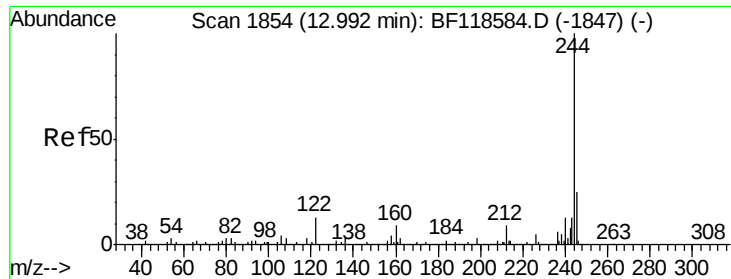
Delta R.T. -0.01 min

Lab File: BF118747.D

Acq: 29 Jan 2020 22:28

Tgt Ion:	202	Resp:	2352432
Ion Ratio		Lower	Upper
202	100		
200	22.5	18.1	27.1
203	18.7	15.2	22.8





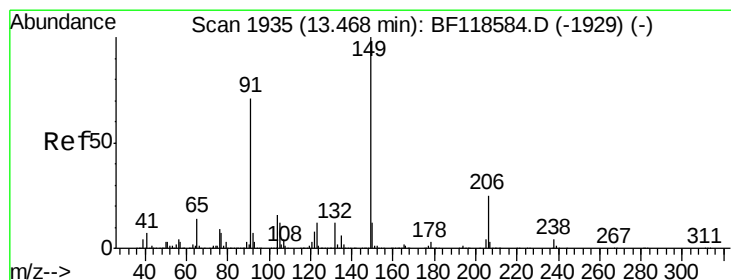
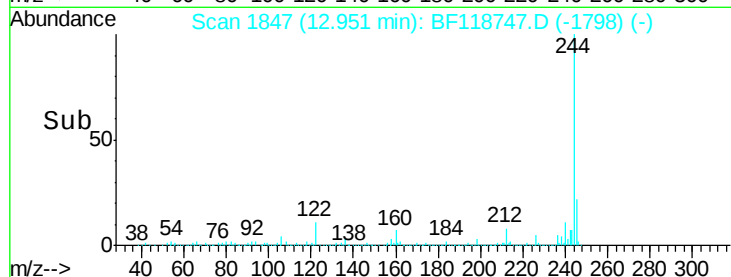
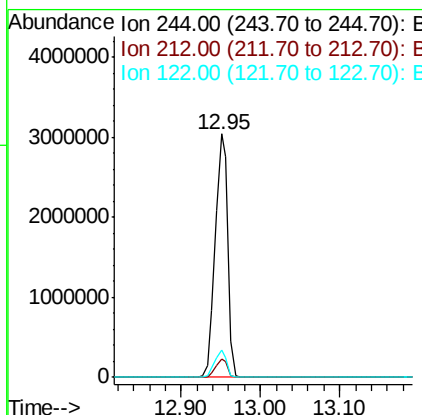
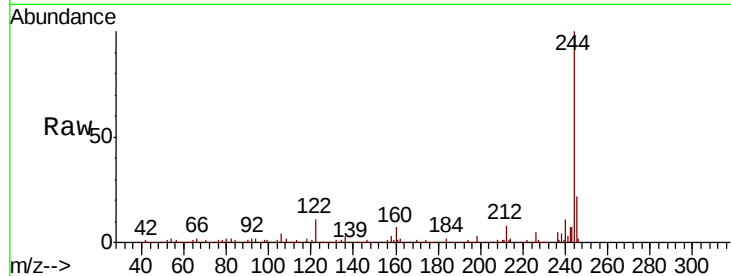
#79
 Terphenyl-d14
 Concen: 115.035 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.3	9.5
122	11.2	9.2	13.8

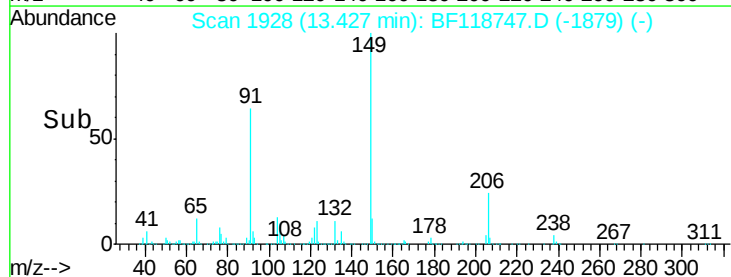
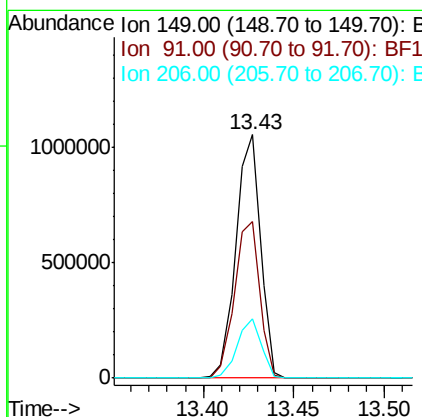
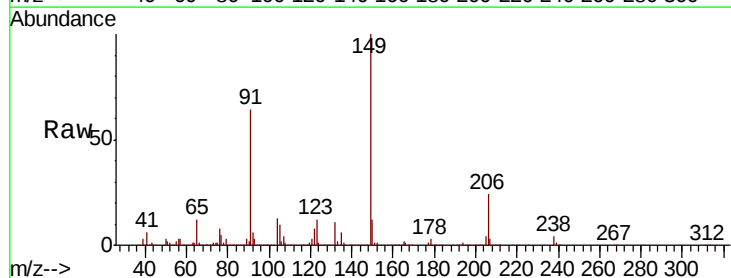
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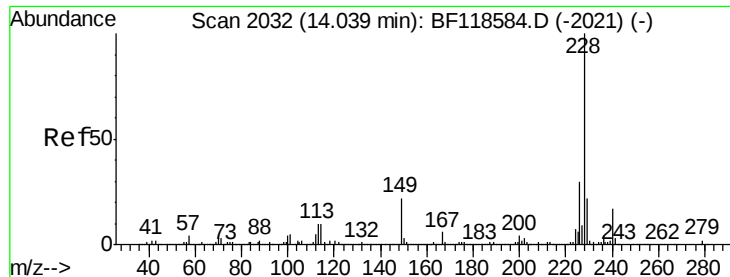
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#80
 Butylbenzylphthalate
 Concen: 57.068 ng
 RT: 13.43 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.3	49.6	74.4
206	24.1	19.9	29.9





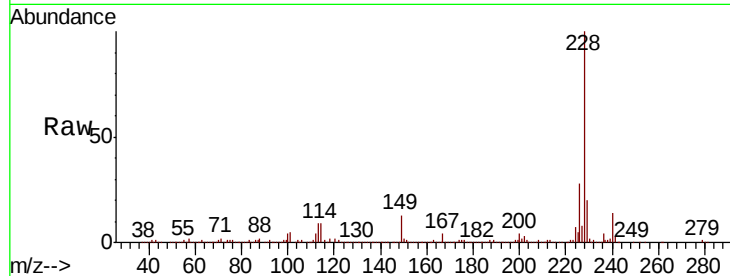
#81
Benzo(a)anthracene
Concen: 50.835 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.2	16.6	25.0

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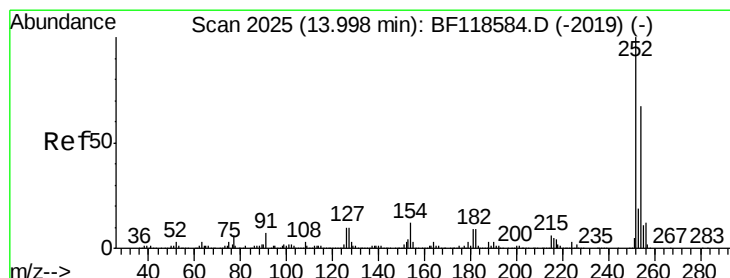
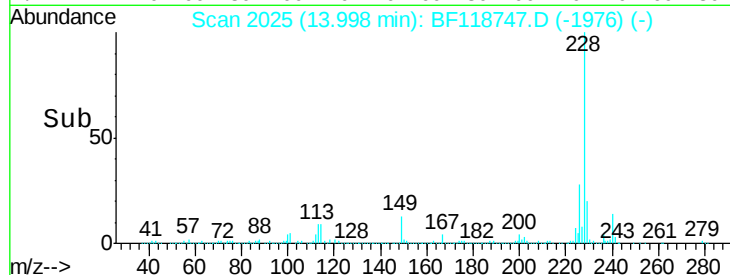
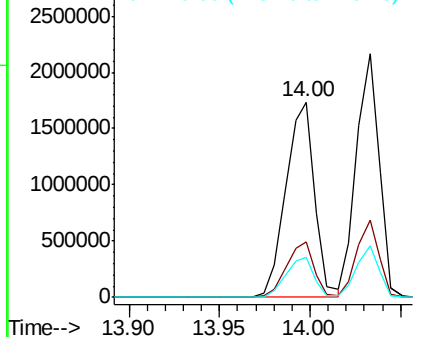


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 17.227 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

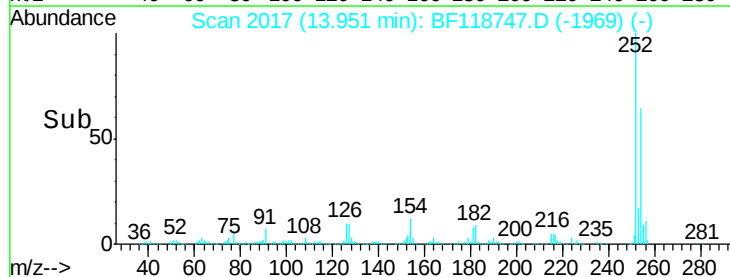
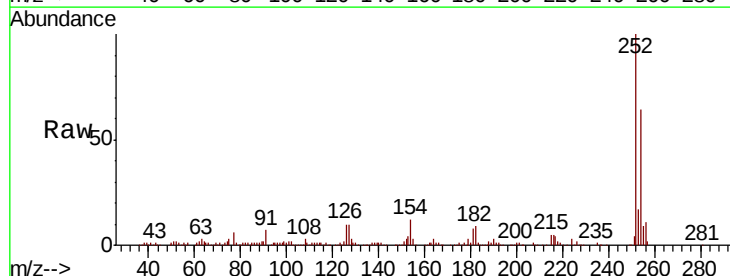
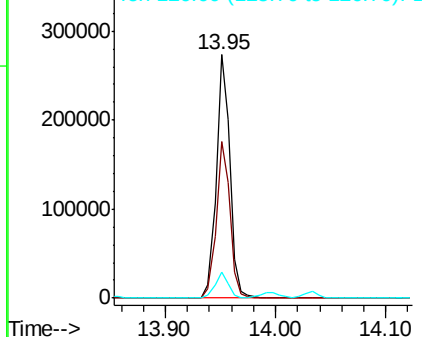
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.6	78.8
126	10.5	8.1	12.1

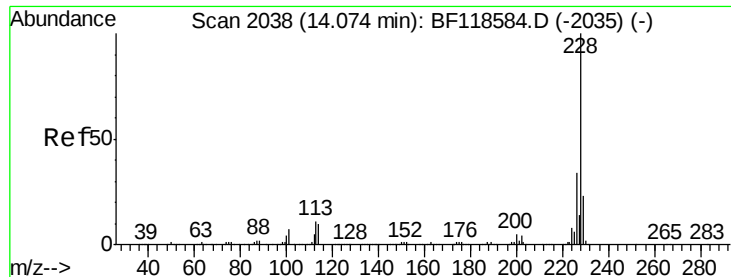
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





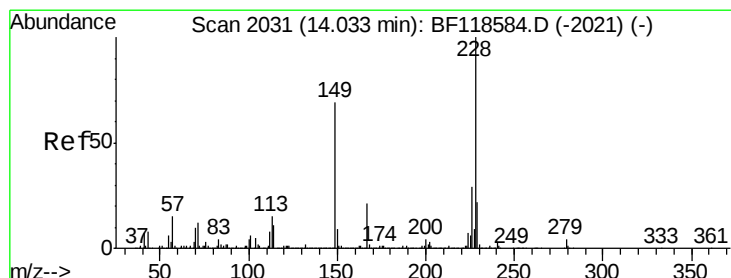
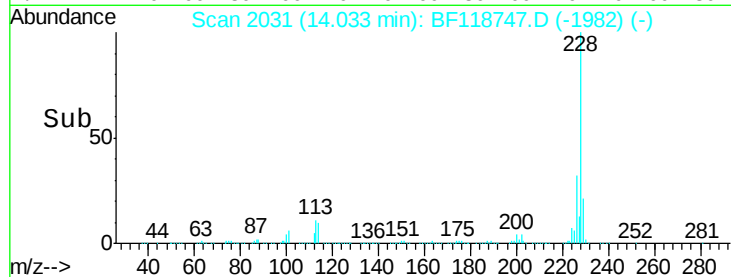
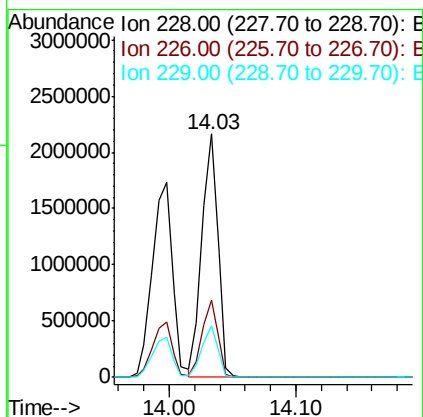
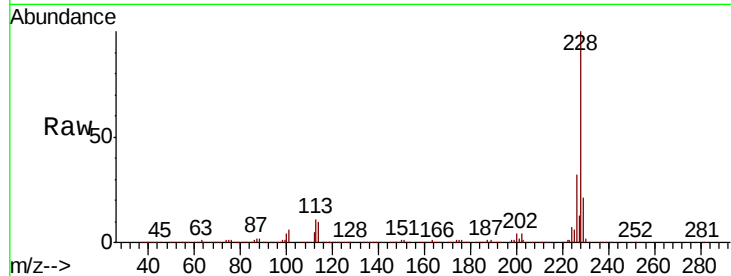
#83
 Chrvsene
 Concen: 52.437 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.6	38.4
229	21.2	17.1	25.7

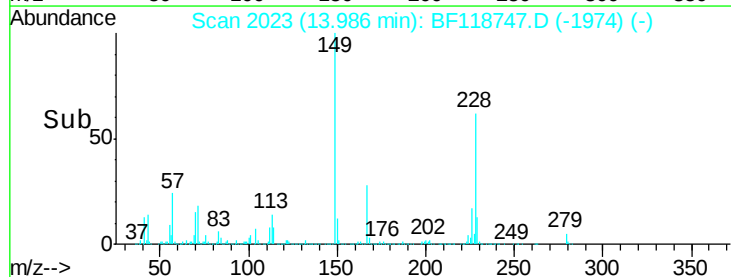
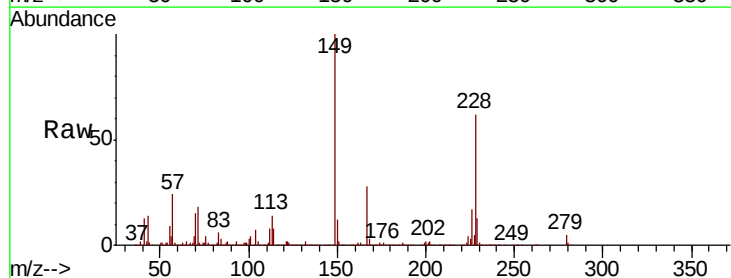
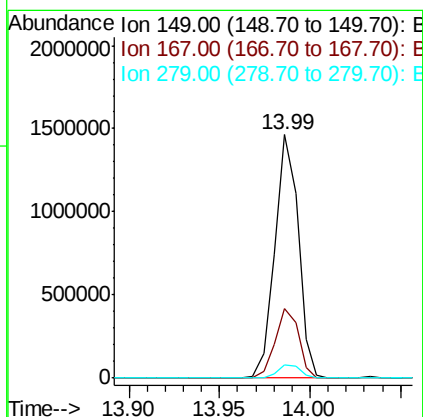
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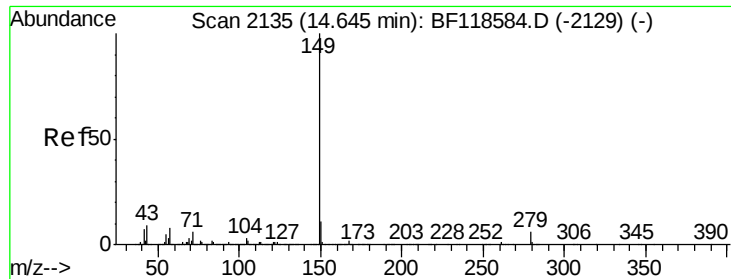
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 61.656 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF118747.D
 Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.6	35.4
279	5.2	4.5	6.7





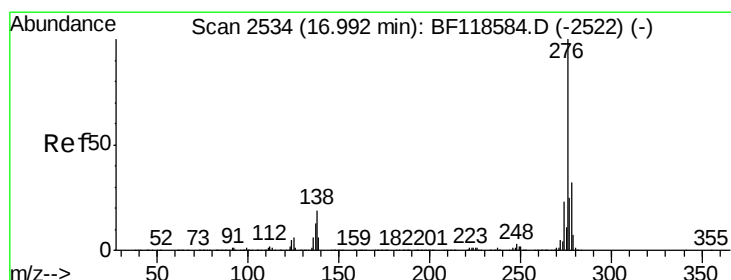
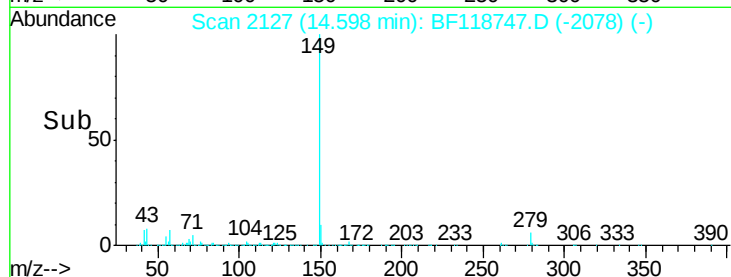
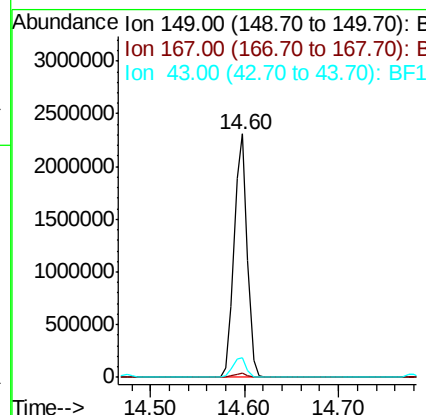
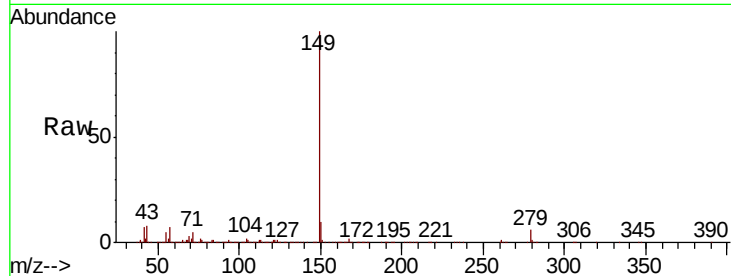
#85
Di-n-octyl phthalate
Concen: 69.963 ng
RT: 14.60 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.3	6.6	10.0

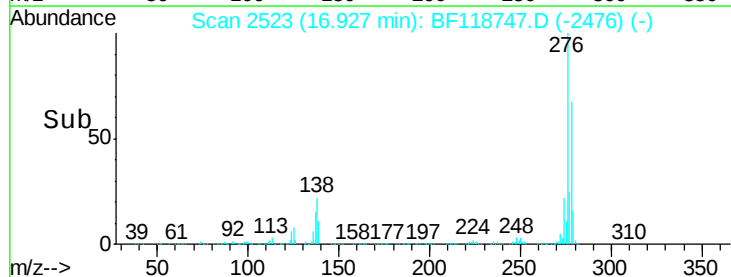
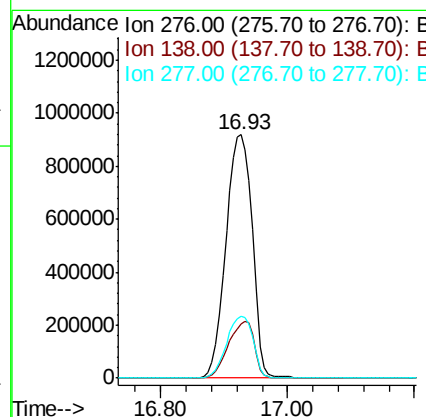
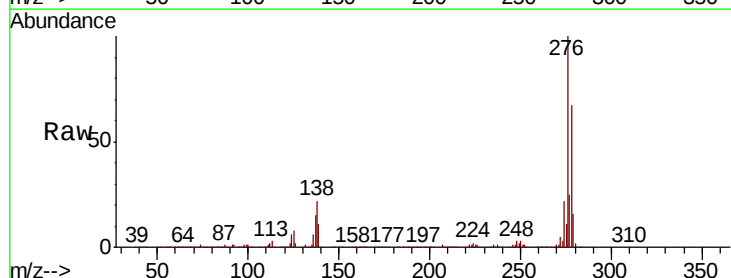
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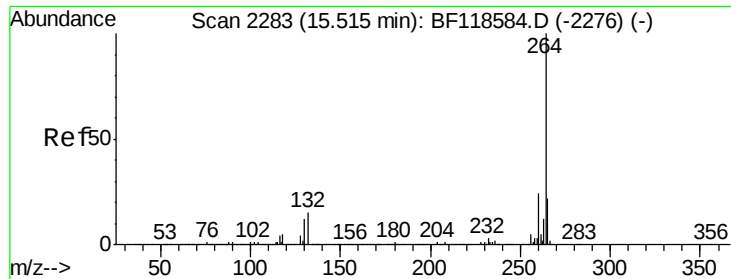
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#86
Indeno(1,2,3-cd)pyrene
Concen: 83.978 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.2	27.4
277	25.6	20.4	30.6





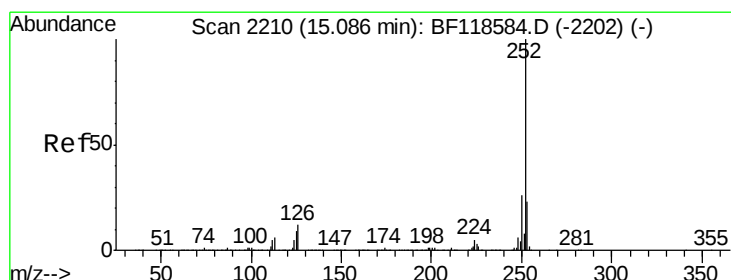
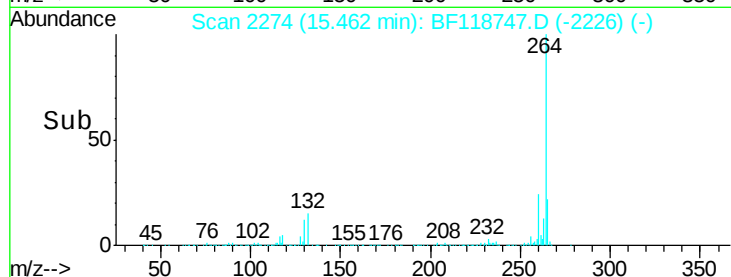
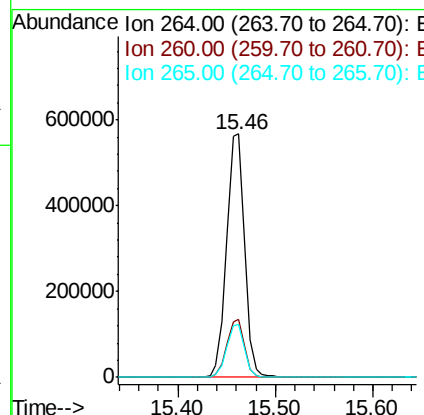
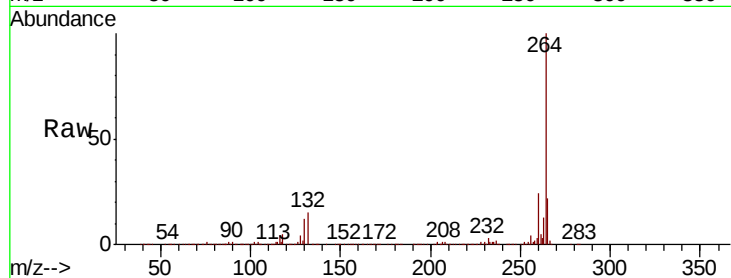
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.0	25.6

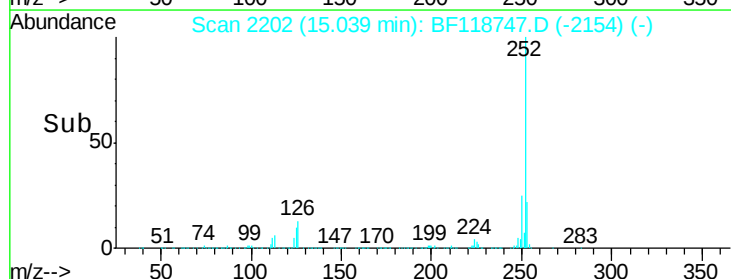
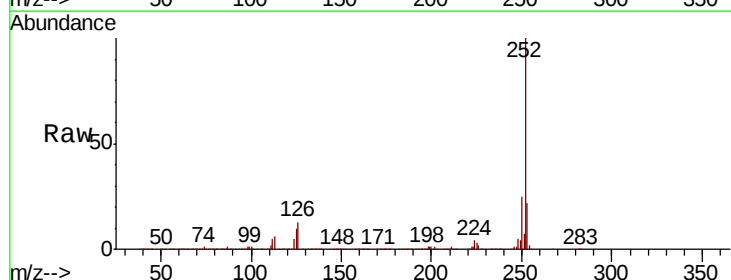
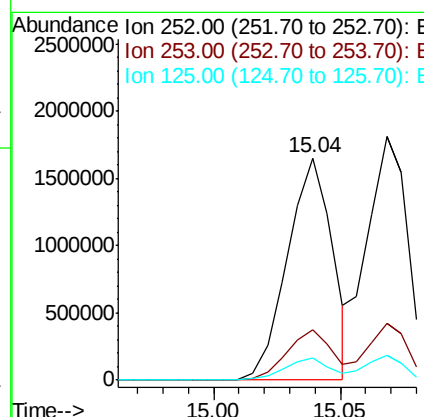
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#88
Benzo(b)fluoranthene
Concen: 45.051 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	9.8	7.7	11.5





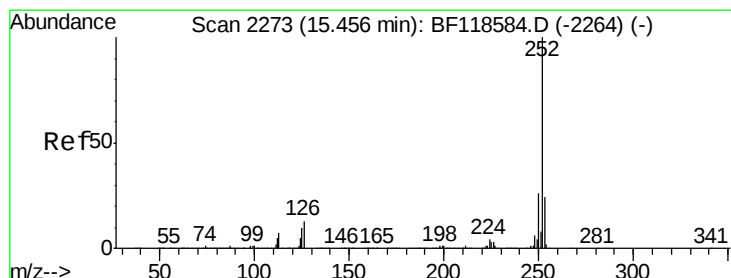
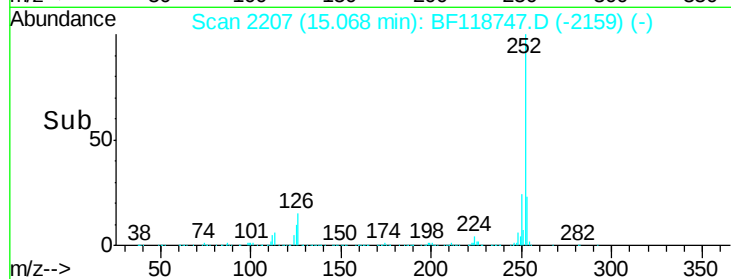
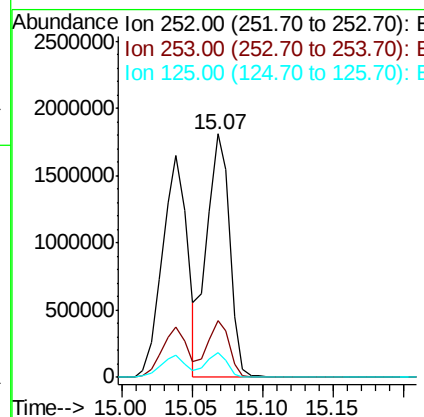
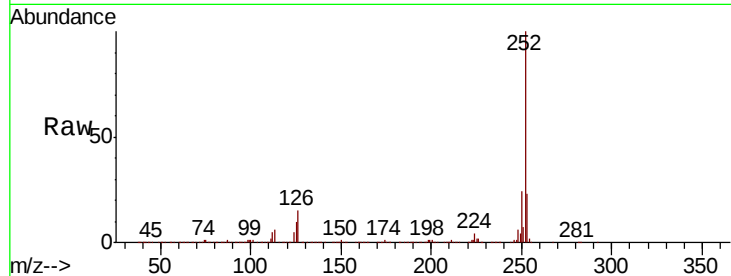
#89
Benzo(k)fluoranthene
Concen: 48.329 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	10.2	8.1	12.1

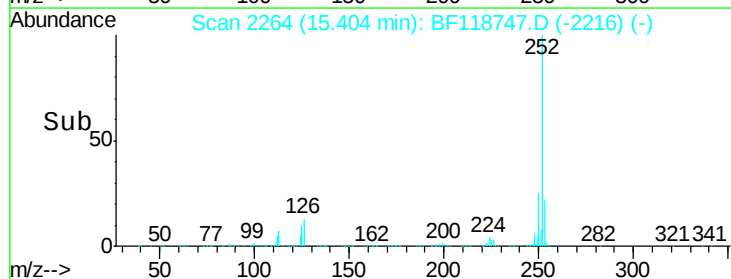
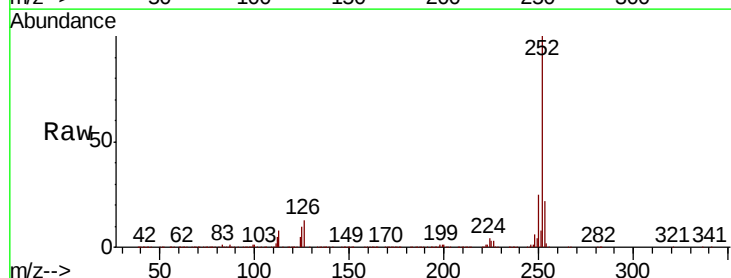
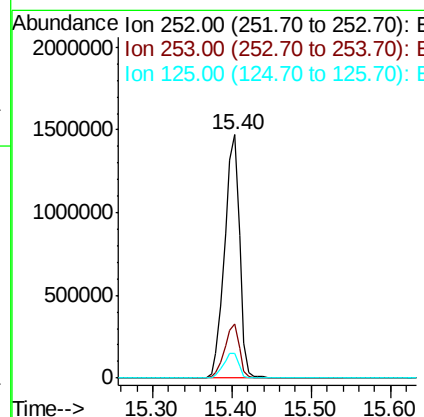
Manual Integrations
APPROVED

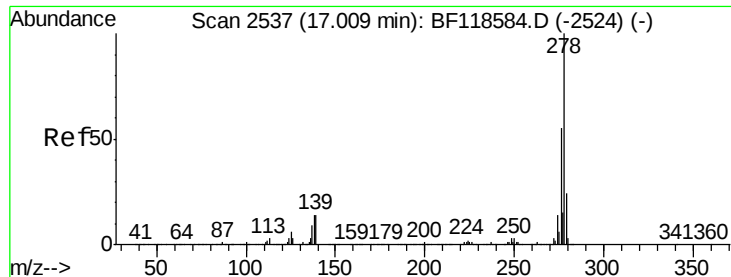
mohammad
1/30/2020 10:18:23 AM



#90
Benzo(a)pyrene
Concen: 49.072 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	9.9	8.3	12.5





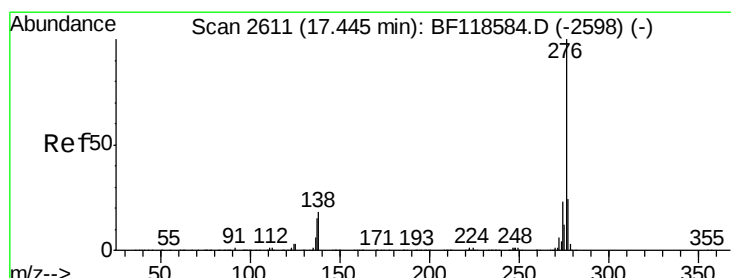
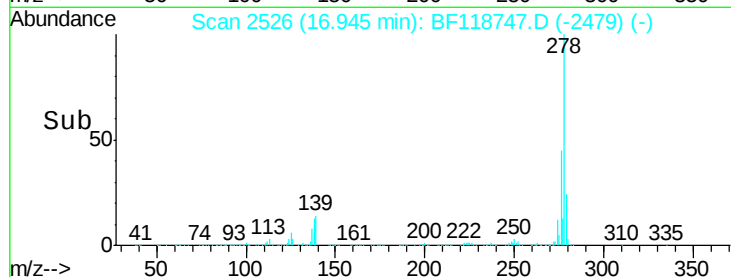
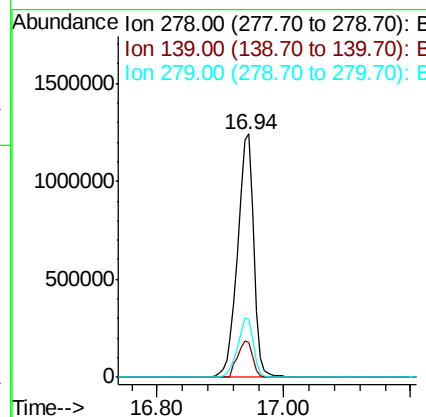
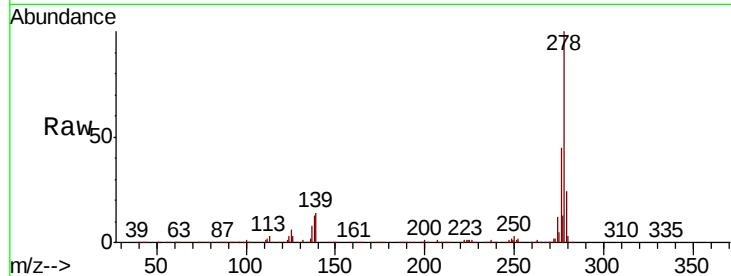
#91
Dibenzo(a,h)anthracene
Concen: 62.789 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Instrument :
BNA_F
ClientSampleId :
PL-05-012820MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.8	17.6
279	24.0	19.1	28.7

Manual Integrations
APPROVED

mohammad
1/30/2020 10:18:23 AM



#92
Benzo(g,h,i)perylene
Concen: 67.439 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BF118747.D
Acq: 29 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.7	15.4	23.2

