

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119809.D
 Acq On : 7 Apr 2020 8:59
 Operator : MA/SJ
 Sample : L2135-06MSD
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Manual Integrations
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mohammad
 4/8/2020 8:12:41 AM

Quant Time: Apr 07 09:32:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	164574	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	629876	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	319061	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	611523	20.00	ng	0.00
76) Chrysene-d12	13.96	240	444667	20.00	ng	0.00
87) Perylene-d12	15.40	264	457537	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1342728	129.88	ng	0.01
7) Phenol-d6	6.42	99	1736579	131.50	ng	0.00
23) Nitrobenzene-d5	7.35	82	1059688	91.43	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	483752	146.96	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1950072	90.55	ng	0.00
79) Terphenyl-d14	12.90	244	2051638	90.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	220000	43.087	ng	99
3) Pyridine	3.26	79	586360	41.685	ng	95
4) n-Nitrosodimethylamine	3.22	42	314581	45.859	ng	95
6) Aniline	6.45	93	447014	24.525	ng	95
8) 2-Chlorophenol	6.57	128	627013	57.747	ng	99
9) Benzaldehyde	6.33	77	317780	37.932	ng	98
10) Phenol	6.43	94	775142	55.008	ng	98
11) bis(2-Chloroethyl)ether	6.52	93	587975	52.171	ng	99
12) 1,3-Dichlorobenzene	6.72	146	635459	54.074	ng	96
13) 1,4-Dichlorobenzene	6.80	146	639745	54.425	ng	98
14) 1,2-Dichlorobenzene	6.96	146	598962	54.515	ng	99
15) Benzyl Alcohol	6.93	79	511445	51.484	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.06	45	1043635	45.909	ng	98
17) 2-Methylphenol	7.05	107	495990	49.856	ng	99
18) Hexachloroethane	7.30	117	240555	55.843	ng	98
19) n-Nitroso-di-n-propylamine	7.20	70	414175	52.031	ng	98
20) 3+4-Methylphenols	7.20	107	608027	49.870	ng	# 78
22) Acetophenone	7.19	105	798866	53.078	ng	# 89
24) Nitrobenzene	7.37	77	637514	51.471	ng	98
25) Isophorone	7.61	82	1165374	49.569	ng	98
26) 2-Nitrophenol	7.69	139	334550	68.601	ng	89
27) 2,4-Dimethylphenol	7.73	122	516505	51.221	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	733721	52.777	ng	100
29) 2,4-Dichlorophenol	7.93	162	507841	54.810	ng	99
30) 1,2,4-Trichlorobenzene	8.01	180	545903	53.276	ng	96
31) Naphthalene	8.09	128	1747335	53.907	ng	99
32) Benzoic acid	7.86	122	397088	61.217	ng	99
33) 4-Chloroaniline	8.14	127	155436	10.465	ng	98
34) Hexachlorobutadiene	8.21	225	311103	54.264	ng	98
35) Caprolactam	8.52	113	157413m	51.911	ng	
36) 4-Chloro-3-methylphenol	8.63	107	540988	53.421	ng	99
37) 2-Methylnaphthalene	8.79	142	1163009	54.670	ng	98
38) 1-Methylnaphthalene	8.89	142	1093630	54.314	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	511937	54.741	ng	100

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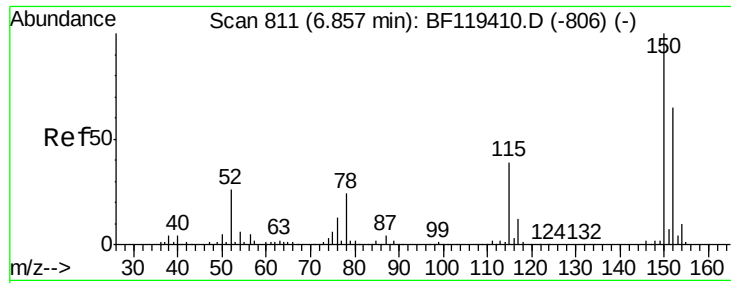
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.94	237	508286	95.602	ng	100
43) 2,4,6-Trichlorophenol	9.06	196	374173	55.910	ng	100
44) 2,4,5-Trichlorophenol	9.10	196	389141	51.906	ng	98
46) 1,1'-Biphenyl	9.25	154	1397103	53.764	ng	99
47) 2-Chloronaphthalene	9.27	162	1080152	53.066	ng	100
48) 2-Nitroaniline	9.37	65	382778	54.482	ng	90
49) Acenaphthylene	9.69	152	1694153	53.000	ng	98
50) Dimethylphthalate	9.56	163	1466386	64.704	ng	100
51) 2,6-Dinitrotoluene	9.62	165	280610	57.766	ng	94
52) Acenaphthene	9.86	154	1040038	52.191	ng	99
53) 3-Nitroaniline	9.78	138	110270	17.981	ng	96
54) 2,4-Dinitrophenol	9.89	184	241013	111.511	ng	95
55) Dibenzofuran	10.04	168	1513876	52.987	ng	99
56) 4-Nitrophenol	9.96	139	486436	100.546	ng	90
57) 2,4-Dinitrotoluene	10.02	165	376935	61.597	ng	94
58) Fluorene	10.38	166	1162635	55.029	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	318355	56.809	ng	99
60) Diethylphthalate	10.26	149	1256513	54.627	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	551894	53.417	ng	98
62) 4-Nitroaniline	10.40	138	266946	45.392	ng	100
63) Azobenzene	10.53	77	1188344	51.304	ng	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	175784	68.551	ng	90
66) n-Nitrosodiphenylamine	10.49	169	1056545	52.629	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	362131	51.997	ng	96
68) Hexachlorobenzene	10.93	284	392986	55.133	ng	97
69) Atrazine	11.02	200	312042	56.697	ng	99
70) Pentachlorophenol	11.12	266	429376	102.733	ng	96
71) Phenanthrene	11.35	178	1662918	52.443	ng	98
72) Anthracene	11.39	178	1731549	53.729	ng	99
73) Carbazole	11.55	167	1582443	49.608	ng	99
74) Di-n-butylphthalate	11.89	149	1942149	56.916	ng	99
75) Fluoranthene	12.53	202	1806129	52.631	ng	97
77) Benzidine	12.65	184	682909	36.289	ng	98
78) Pyrene	12.76	202	1838500	50.379	ng	97
80) Butylbenzylphthalate	13.38	149	820166	55.567	ng	96
81) Benzo(a)anthracene	13.95	228	1493983	51.666	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	360673	31.634	ng	98
83) Chrysene	13.99	228	1512494	50.683	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1057064	60.077	ng	99
85) Di-n-octyl phthalate	14.56	149	1944382	62.834	ng	98
86) Indeno(1,2,3-cd)pyrene	16.84	276	1636598	58.230	ng	99
88) Benzo(b)fluoranthene	14.99	252	1707840	55.879	ng	98
89) Benzo(k)fluoranthene	15.02	252	1425401	48.978	ng	99
90) Benzo(a)pyrene	15.34	252	1445962	52.059	ng	97
91) Dibenzo(a,h)anthracene	16.86	278	1357400	55.873	ng	99
92) Benzo(g,h,i)perylene	17.27	276	1342998	55.025	ng	98

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



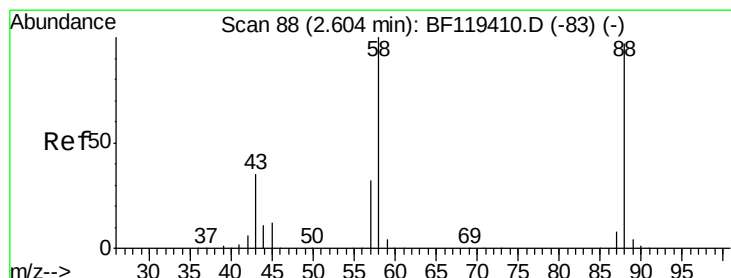
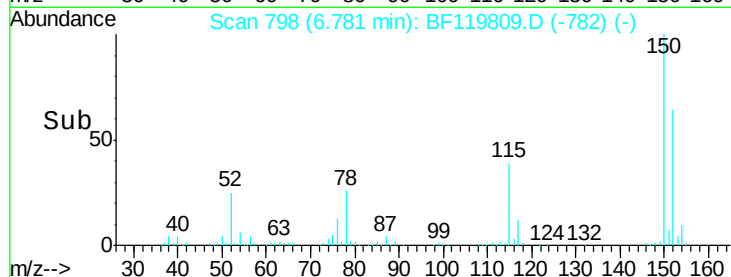
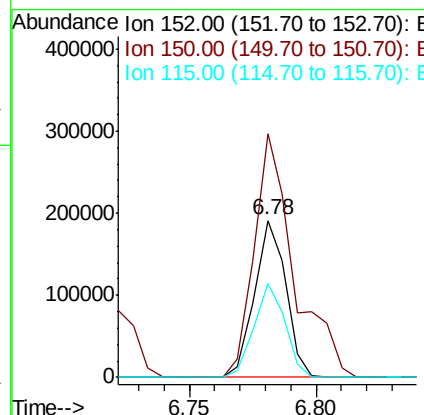
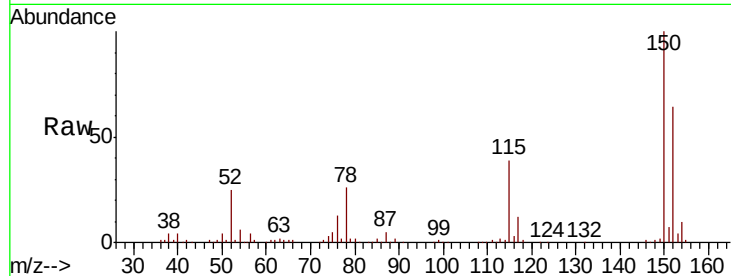
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	60.0	49.6	74.4

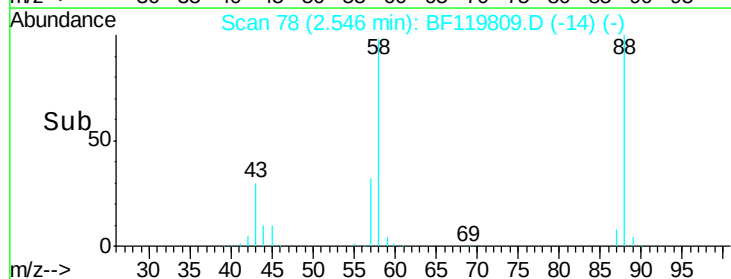
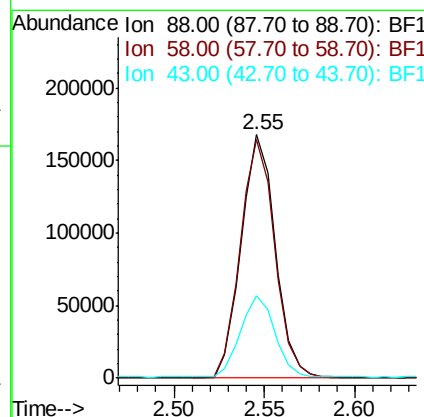
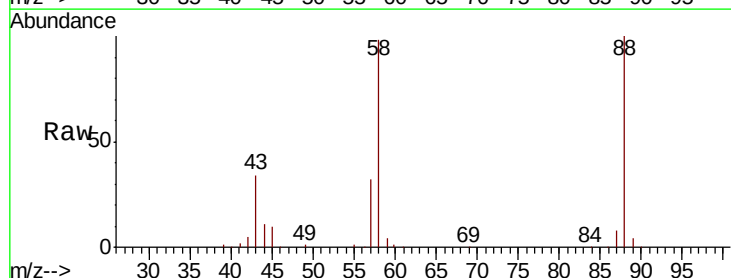
Manual Integrations
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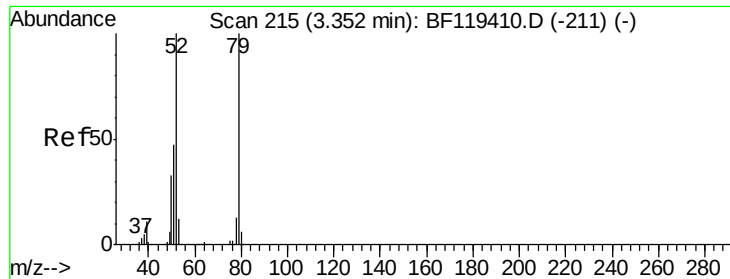
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#2
 1,4-Dioxane
 Concen: 43.087 ng
 RT: 2.55 min Scan# 78
 Delta R.T. 0.08 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.3	80.6	121.0
43	34.3	27.5	41.3





#3

Pvridine

Concen: 41.685 ng

RT: 3.26 min Scan# 200

Delta R.T. 0.07 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

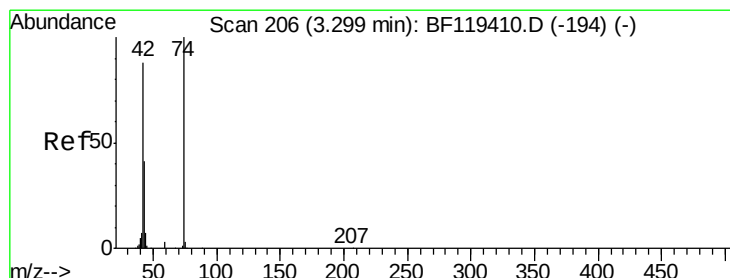
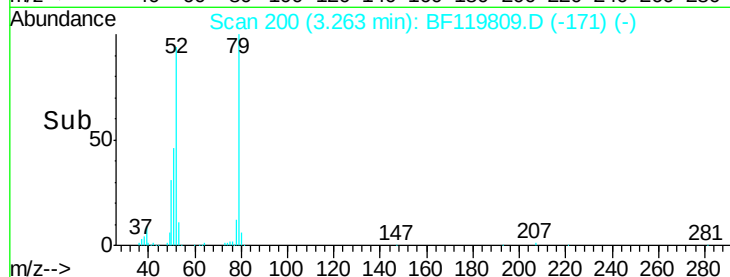
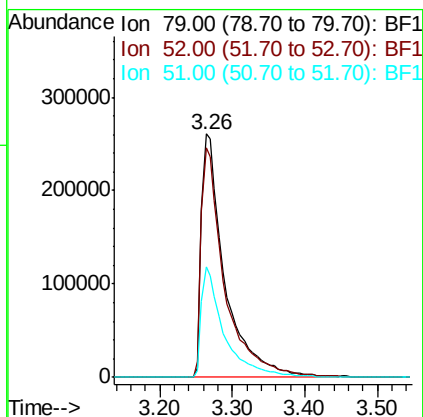
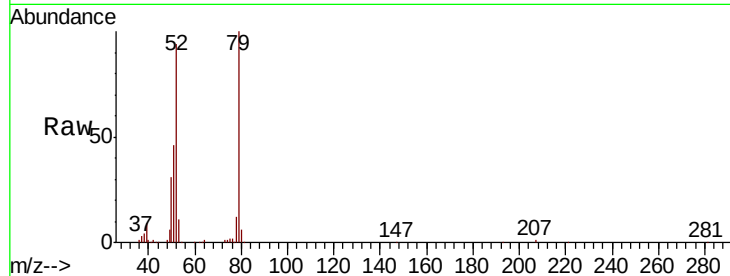
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:	79	Resp:	586360
Ion Ratio	Lower	Upper	
79	100		
52	94.1	80.2	120.2
51	45.5	37.7	56.5

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#4

n-Nitrosodimethylamine

Concen: 45.859 ng

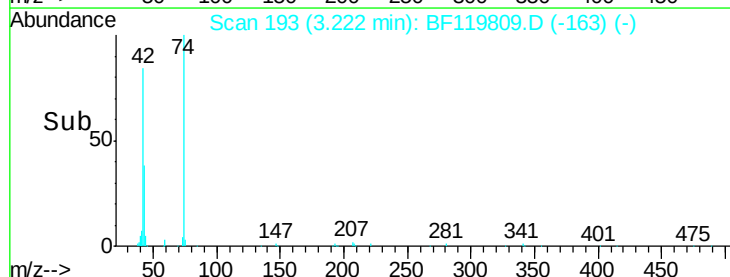
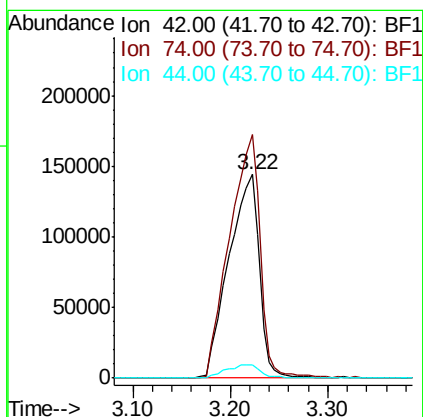
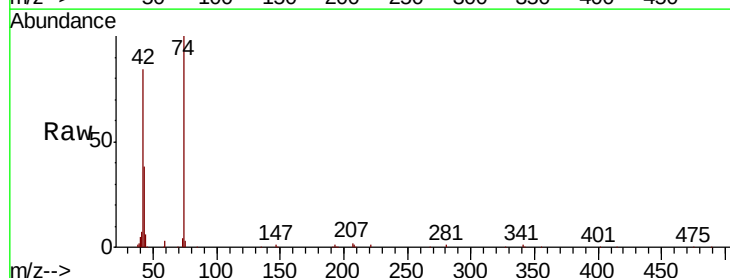
RT: 3.22 min Scan# 193

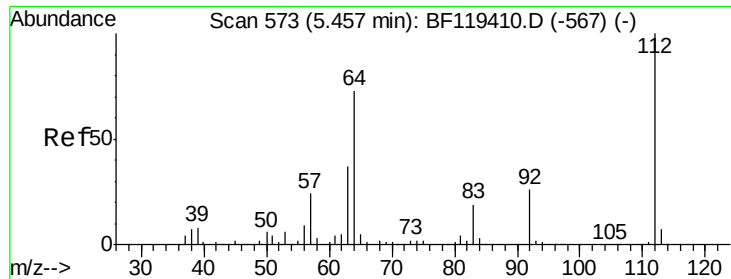
Delta R.T. 0.08 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	42	Resp:	314581
Ion Ratio	Lower	Upper	
42	100		
74	119.6	91.5	137.3
44	6.7	6.2	9.4





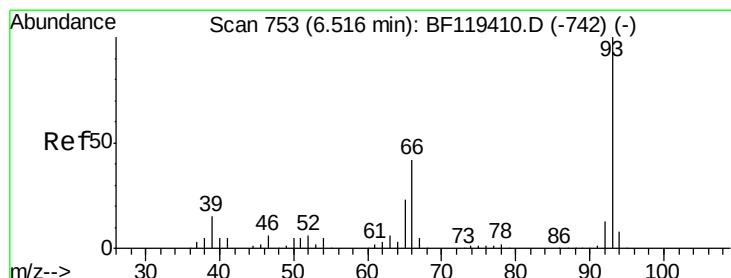
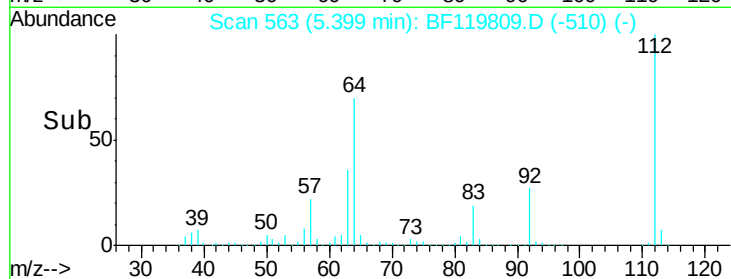
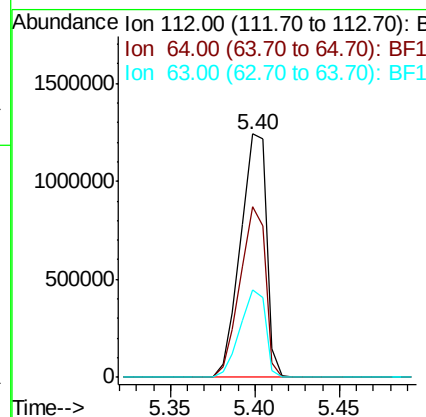
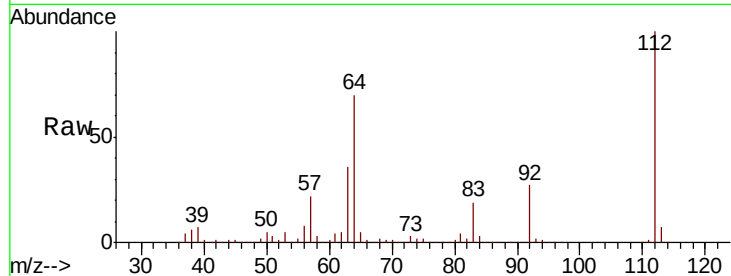
#5
2-Fluorophenol
Concen: 129.881 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	70.1	56.7	85.1
63	36.0	29.5	44.3

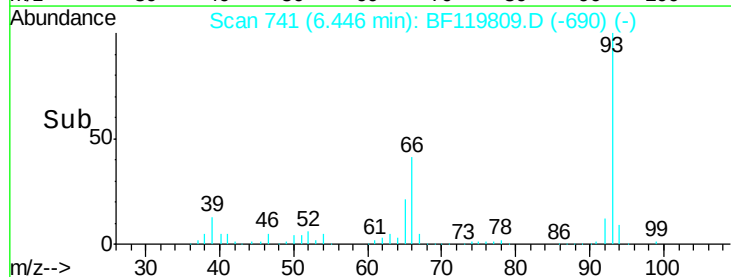
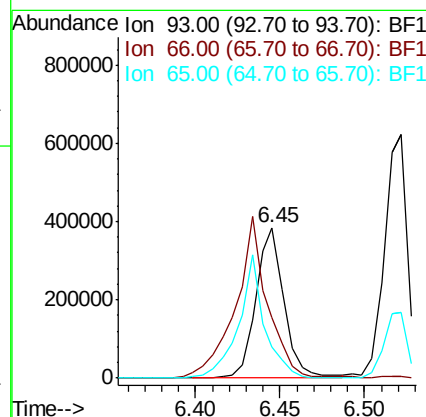
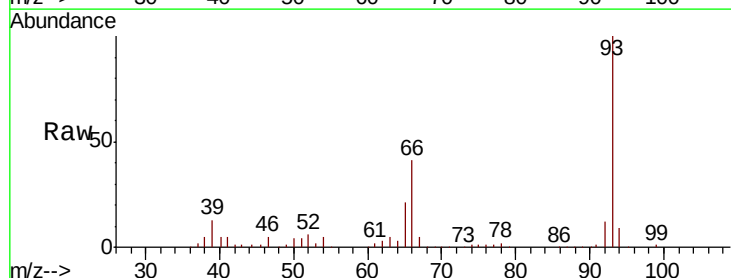
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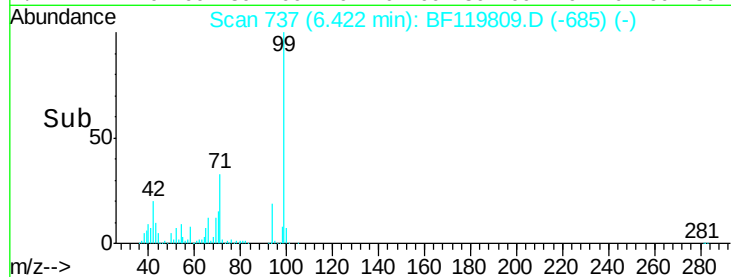
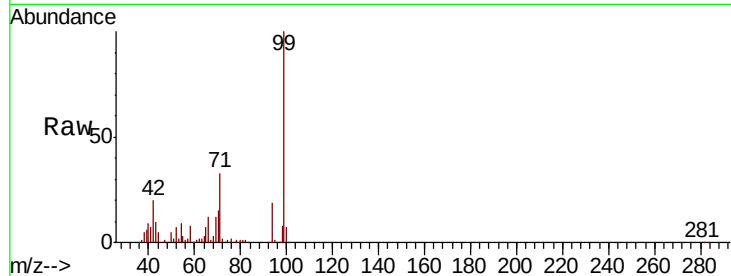
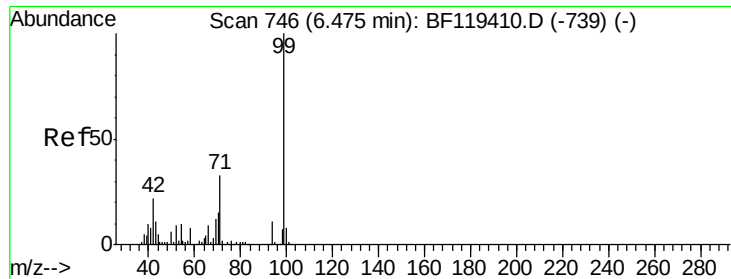
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#6
Aniline
Concen: 24.525 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
93	100		
66	40.6	34.9	52.3
65	21.1	18.6	27.8





#7

Phenol-d6

Concen: 131.496 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tot Ion: 99 Resp: 1736579

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.6 26.4 39.6

Instrument :

BNA_F

ClientSampleId :

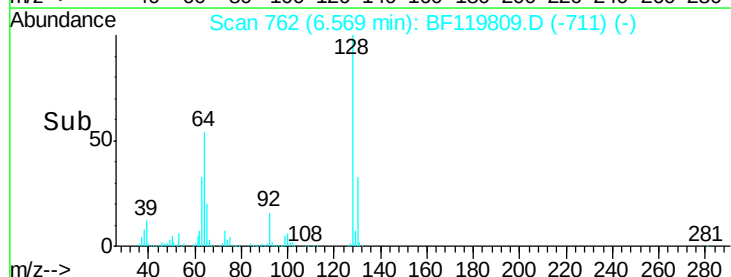
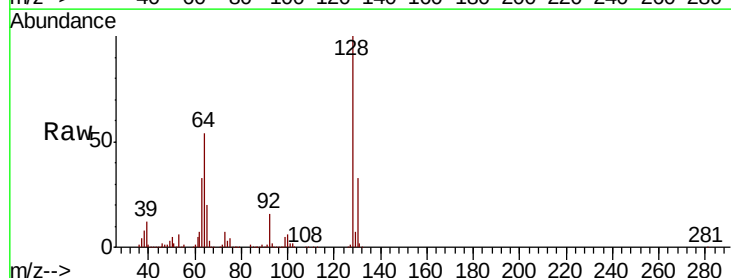
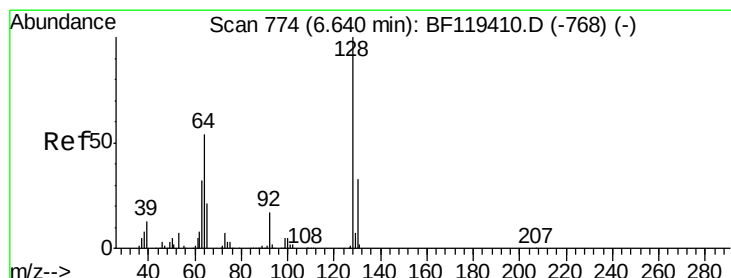
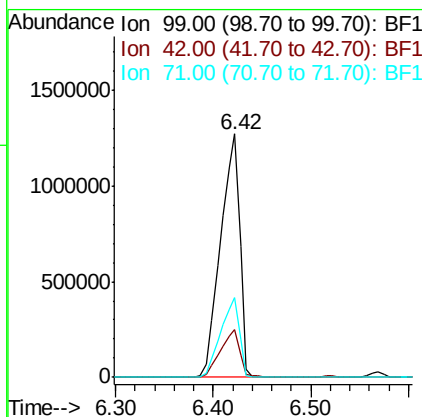
SB-2E-(7-9)MSD

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#8

2-Chlorophenol

Concen: 57.747 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

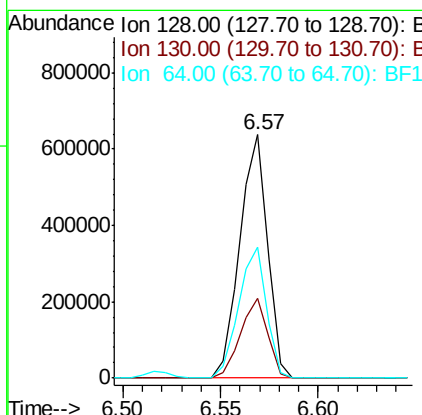
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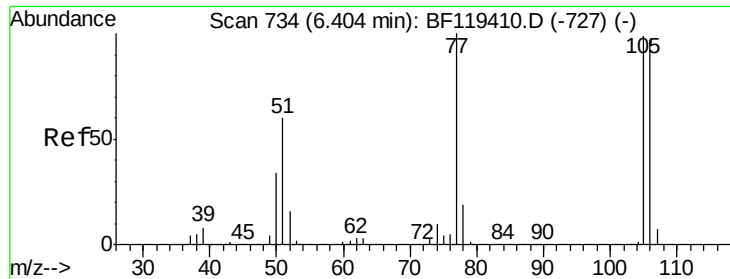
Ion Ratio Lower Upper

128 100

130 32.7 12.6 52.6

64 53.7 35.3 75.3





#9

Benzaldehyde

Concen: 37.932 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

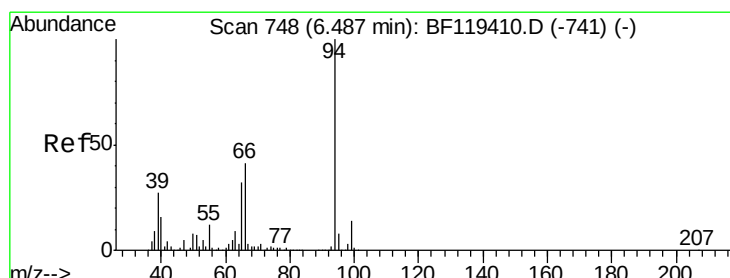
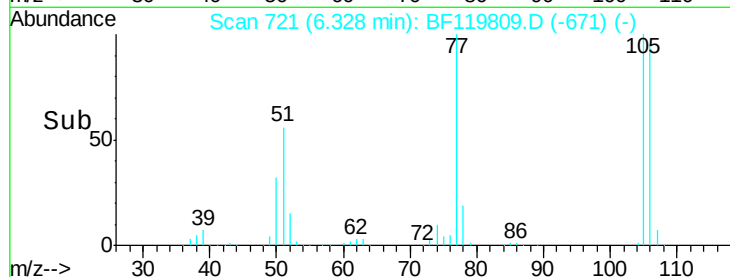
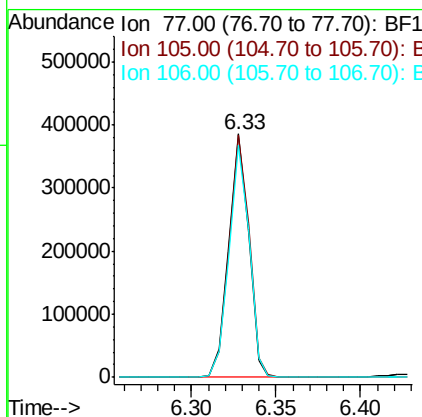
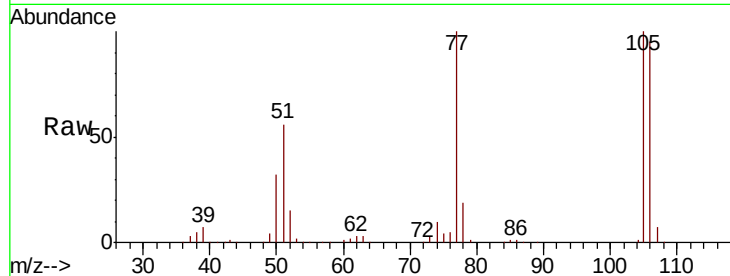
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:	77	Resp:	317780
Ion	Ratio	Lower	Upper
77	100		
105	99.7	80.9	120.9
106	95.3	77.9	117.9

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#10

Phenol

Concen: 55.008 ng

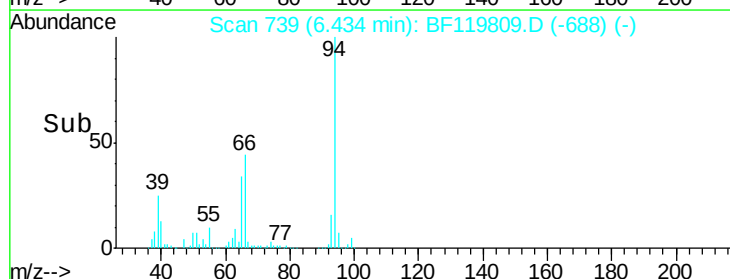
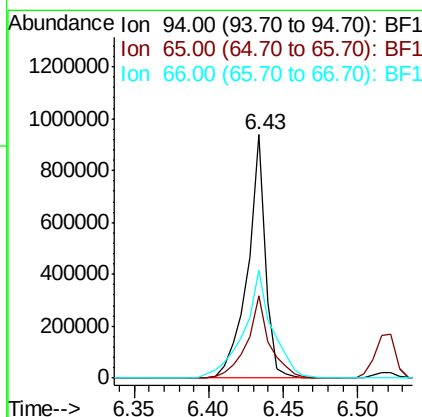
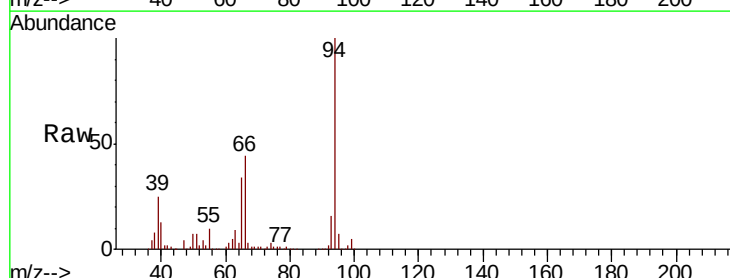
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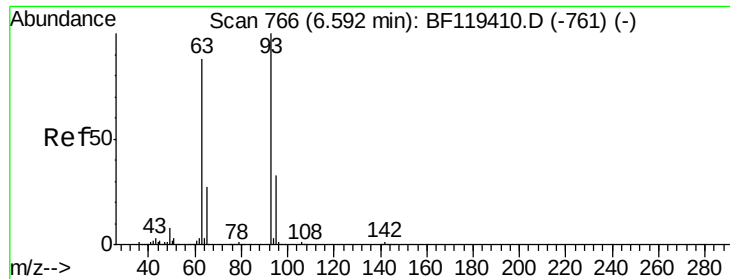
Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	94	Resp:	775142
Ion	Ratio	Lower	Upper
94	100		
65	33.7	13.2	53.2
66	44.2	22.3	62.3





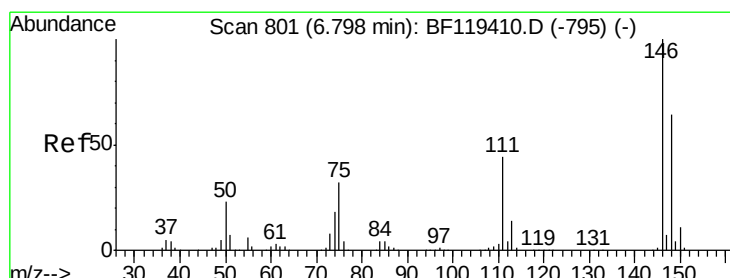
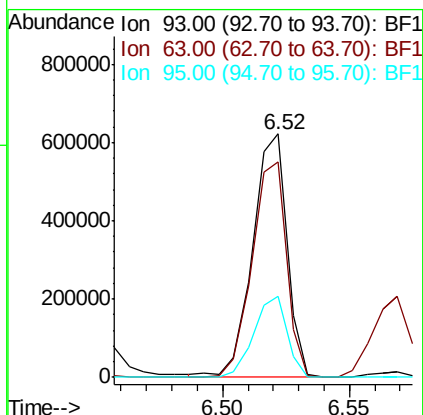
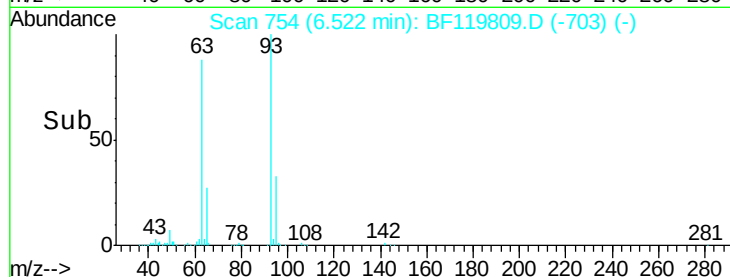
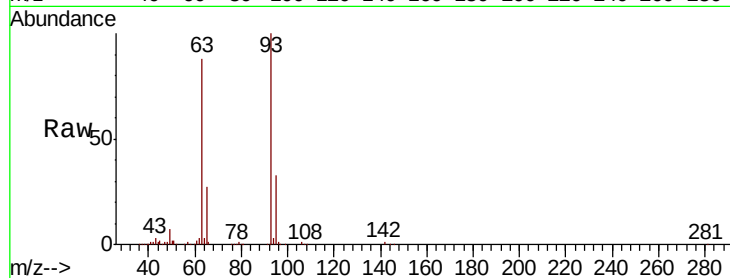
#11
bis(2-Chloroethyl)ether
Concen: 52.171 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	88.3	70.2	110.2
95	33.3	13.4	53.4

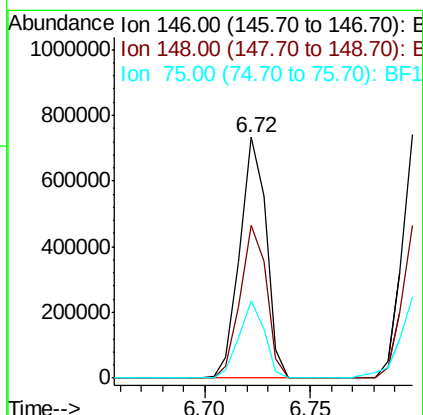
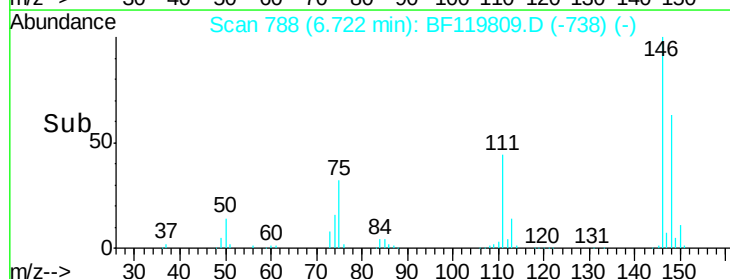
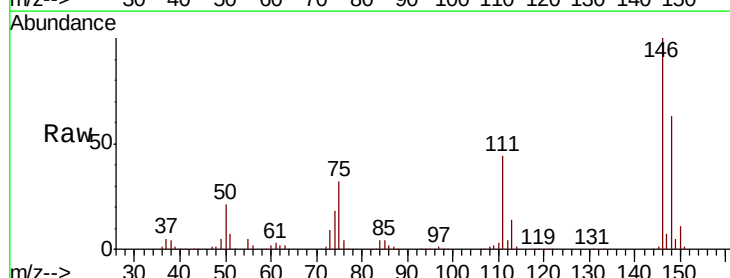
Manual Integrations
APPROVED

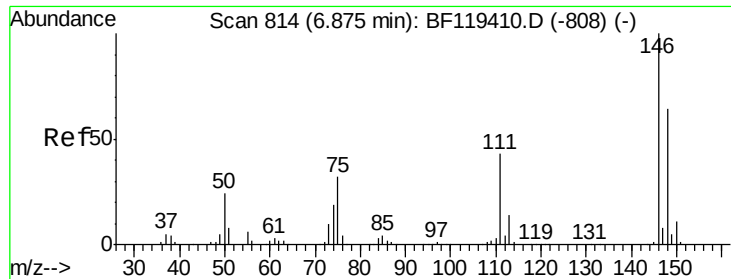
mohammad
4/8/2020 8:12:41 AM



#12
1,3-Dichlorobenzene
Concen: 54.074 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.2	78.4
75	32.2	23.0	34.4





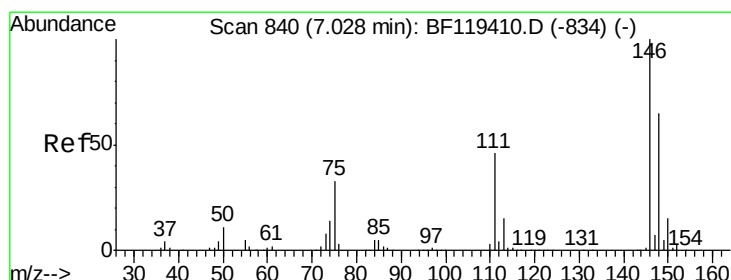
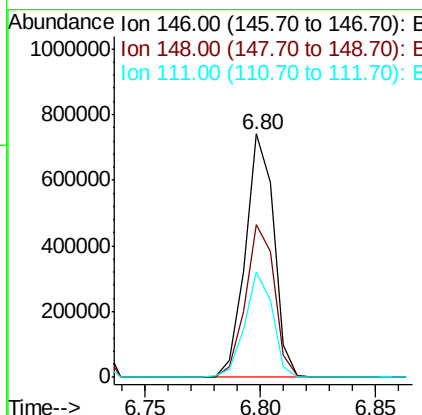
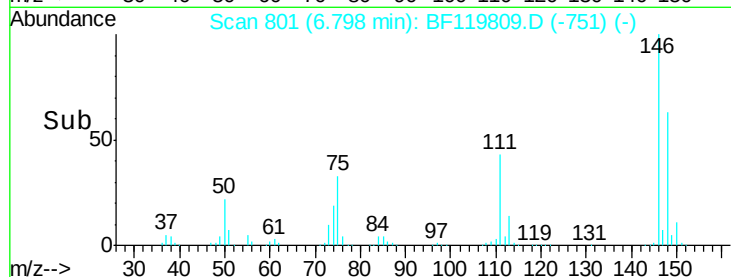
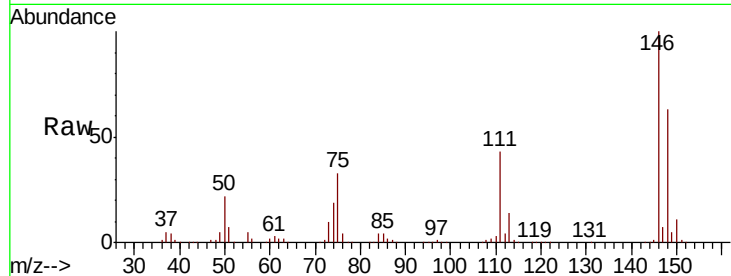
#13
 1,4-Dichlorobenzene
 Concen: 54.425 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.5	77.3
111	43.1	33.3	49.9

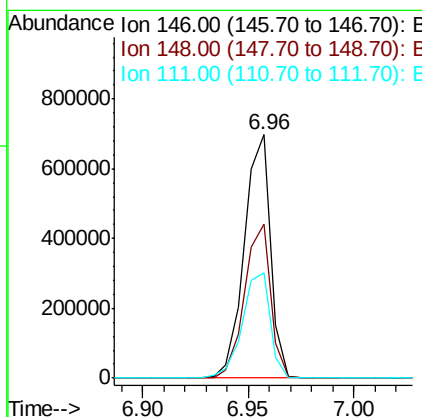
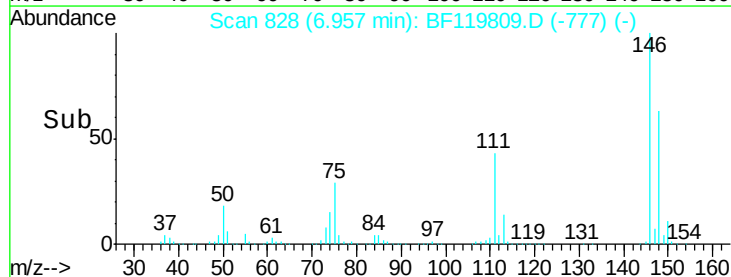
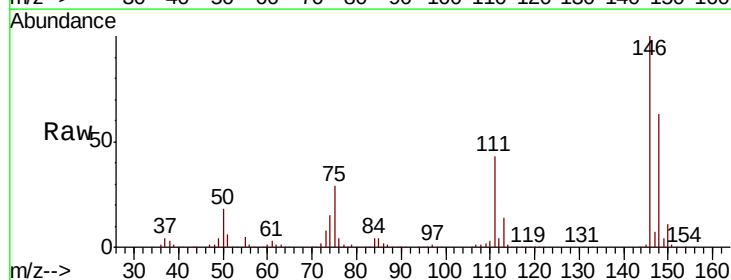
Manual Integrations
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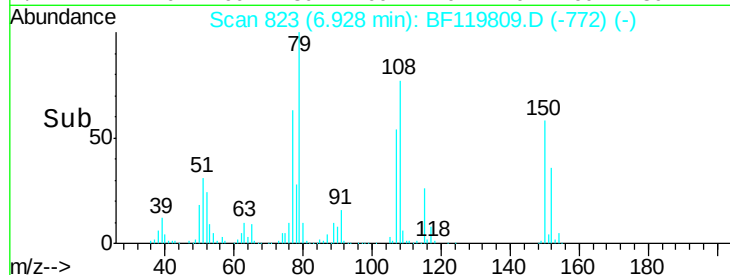
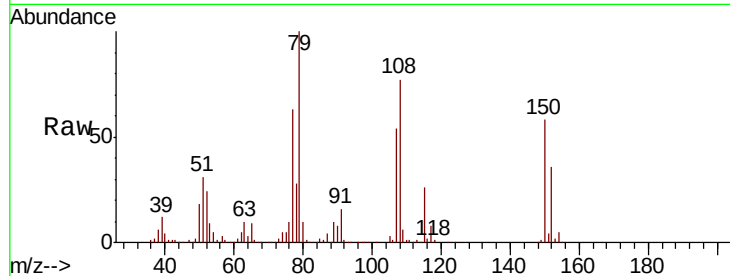
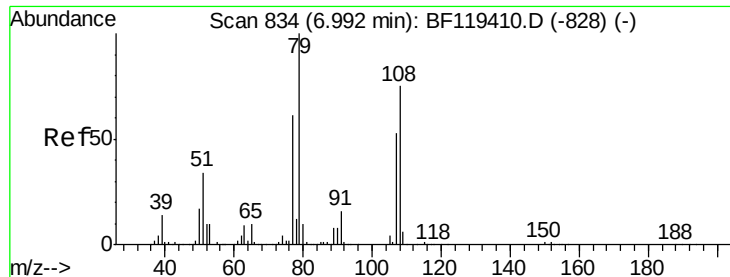
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#14
 1,2-Dichlorobenzene
 Concen: 54.515 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	75.8
111	43.4	36.1	54.1





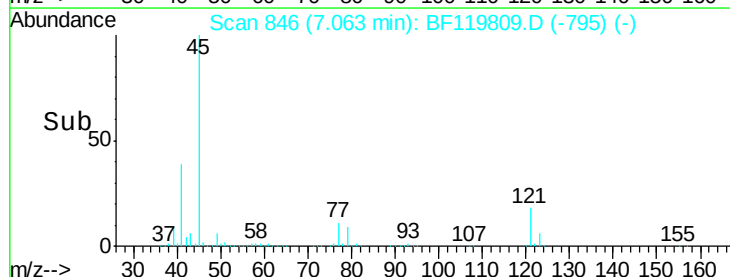
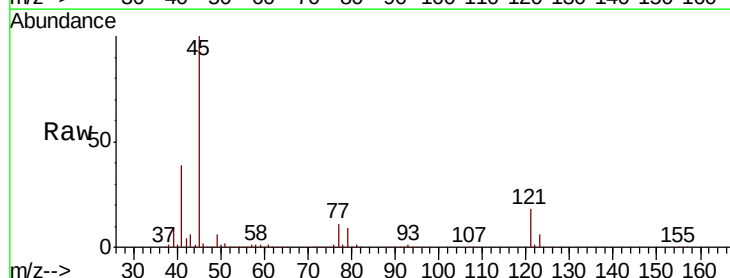
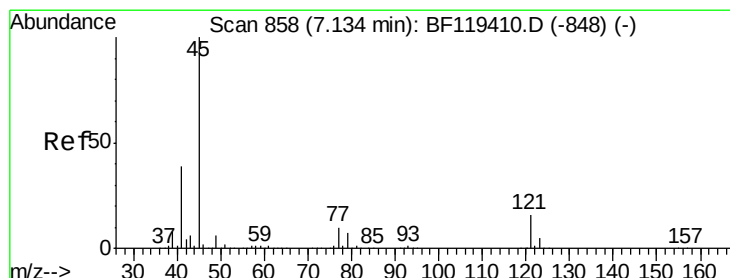
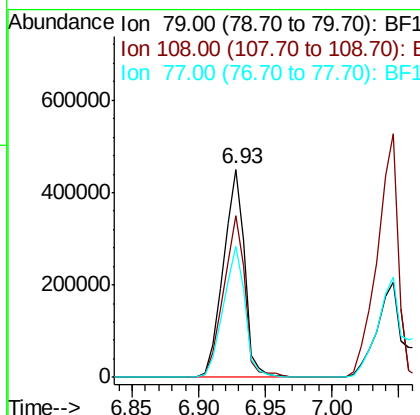
#15
Benzyl Alcohol
Concen: 51.484 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.3	60.6	90.8
77	63.0	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

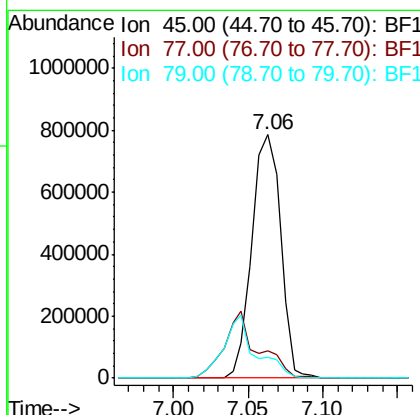
Manual Integrations
APPROVED

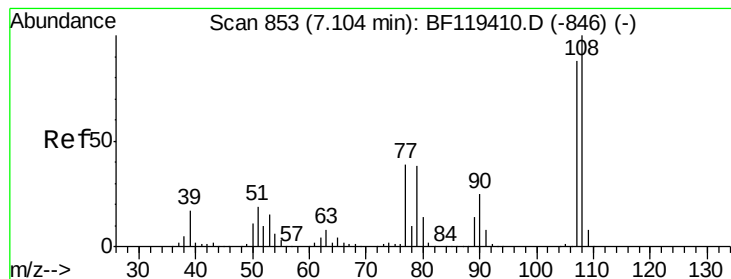
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.909 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	30.7
79	8.6	0.0	28.2





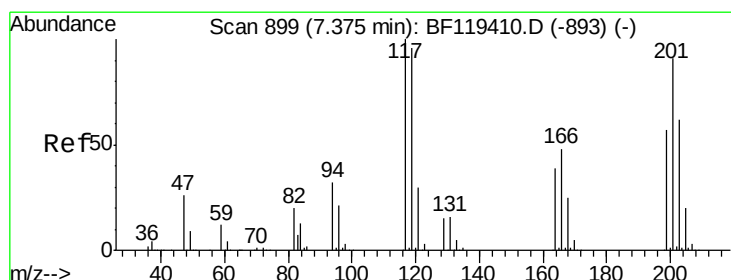
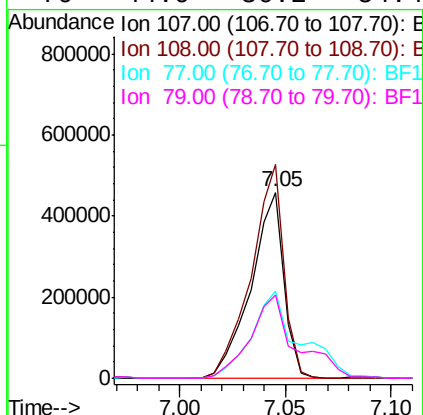
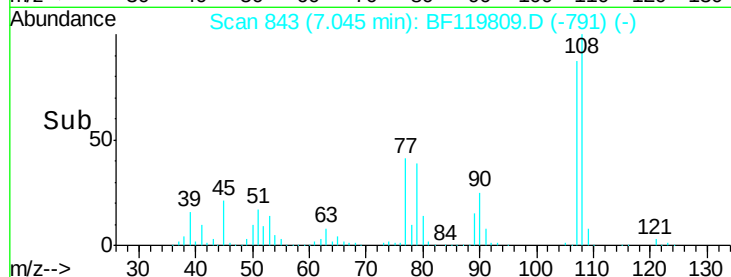
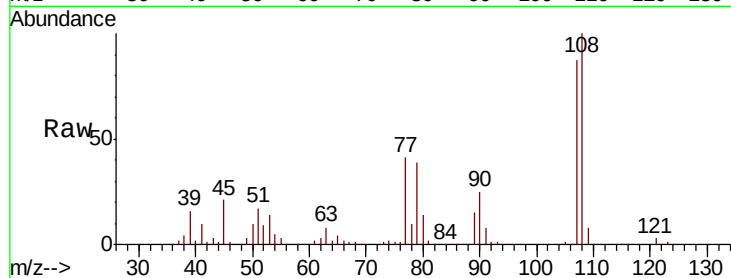
#17
2-Methylphenol
Concen: 49.856 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.0	92.2	138.4	
77	47.1	36.6	54.8	
79	44.9	36.2	54.4	

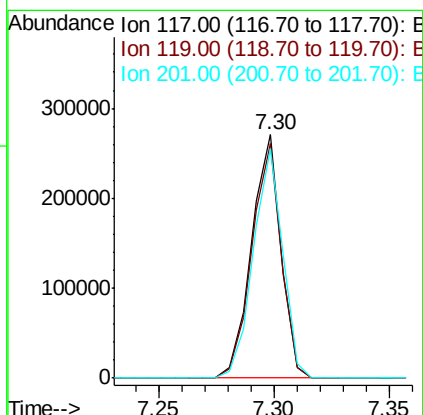
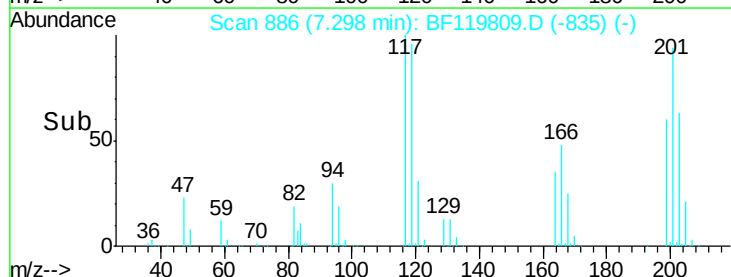
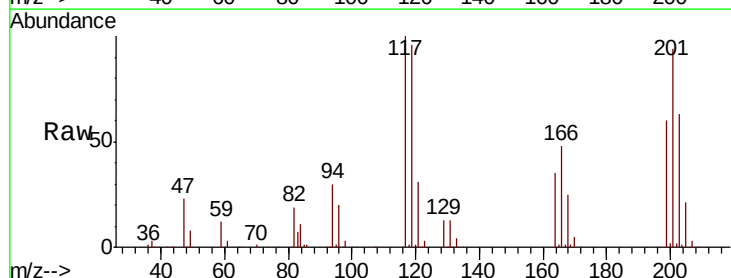
Manual Integrations
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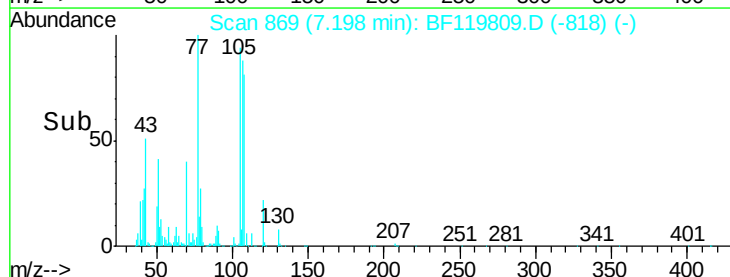
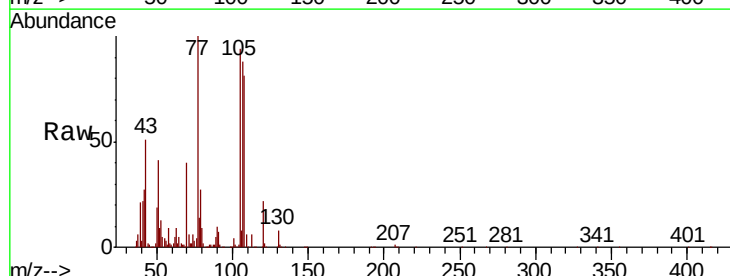
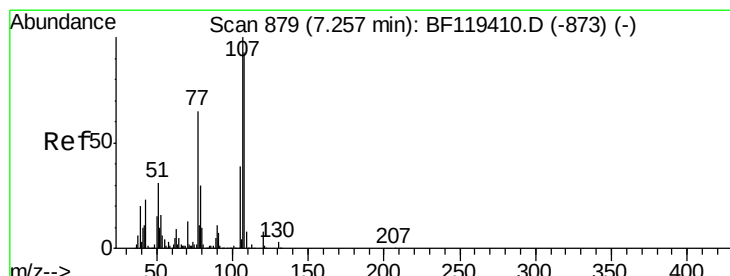
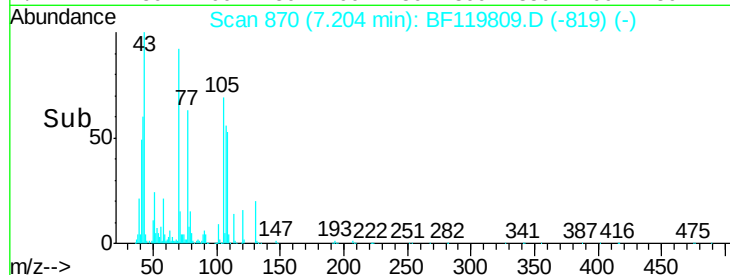
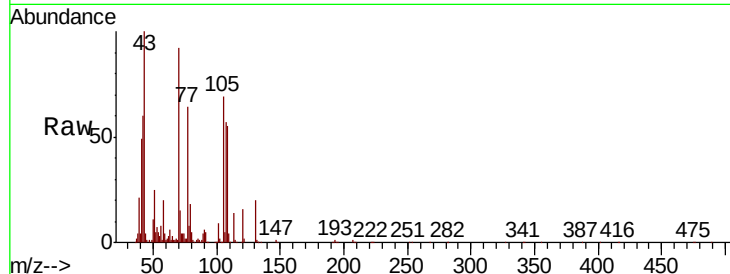
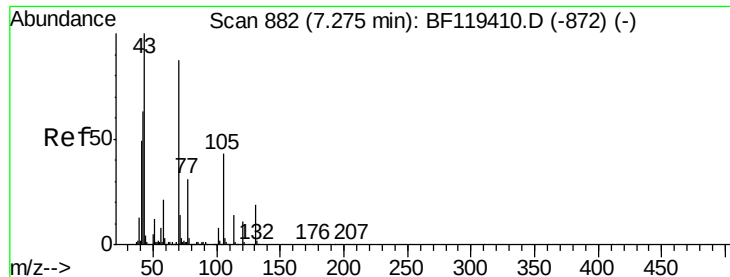
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#18
Hexachloroethane
Concen: 55.843 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

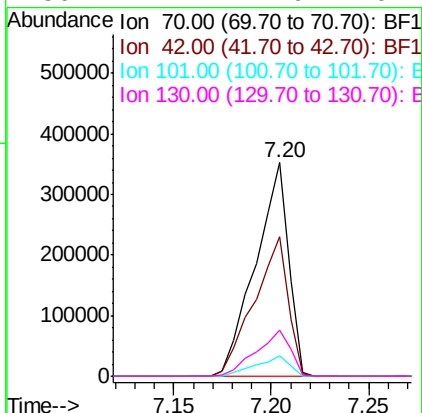
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	76.1	114.1	
201	94.5	73.0	109.6	





#19
n-Nitroso-di-n-propylamine
Concen: 52.031 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	65.5	54.5	81.7	
101	9.9	7.6	11.4	
130	21.7	17.6	26.4	



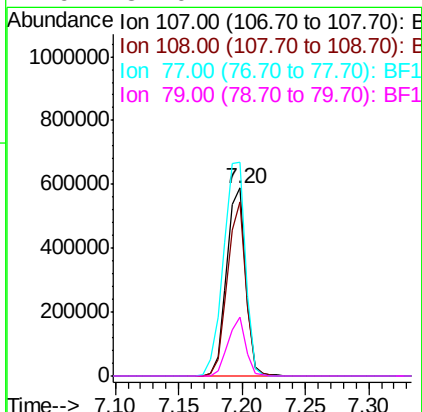
Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

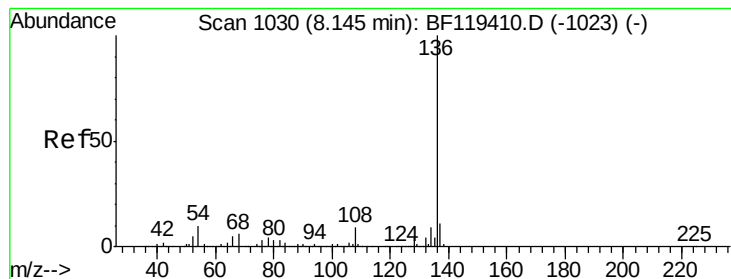
Manual Integrations
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#20
3+4-Methylphenols
Concen: 49.870 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.5	67.9	107.9	
77	113.7	52.9	92.9	
79	31.0	7.7	47.7	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

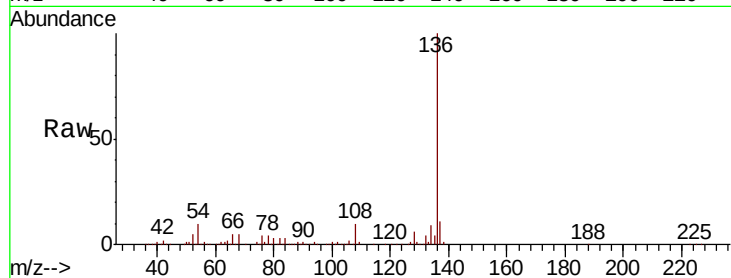
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	629876		
137	10.8	8.7	13.1	
54	10.1	9.1	13.7	
68	5.3	4.6	6.8	

Manual Integrations
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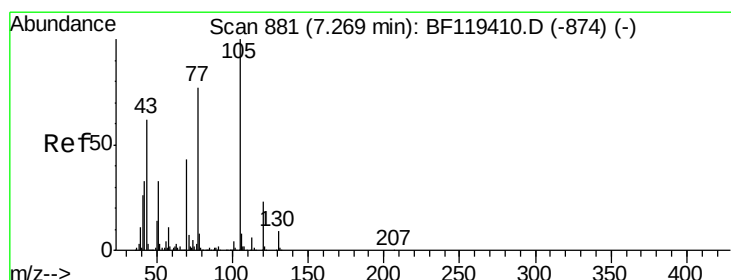
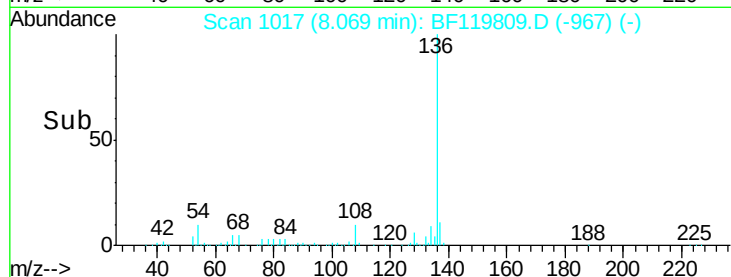
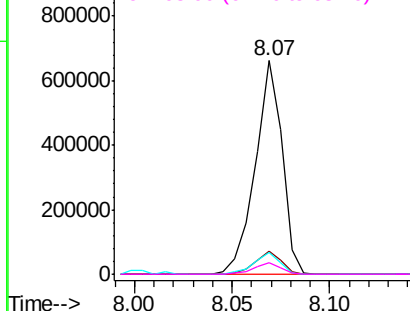
Abundance

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: 53.078 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	798866		
71	4.7	5.7	8.5#	
51	42.9	26.2	39.4#	
120	21.8	18.3	27.5	

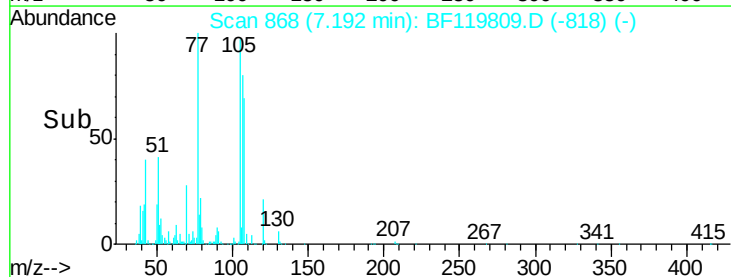
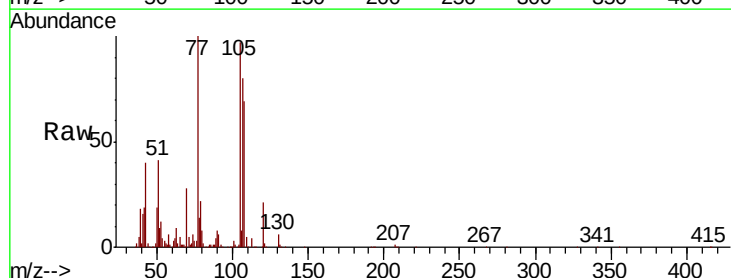
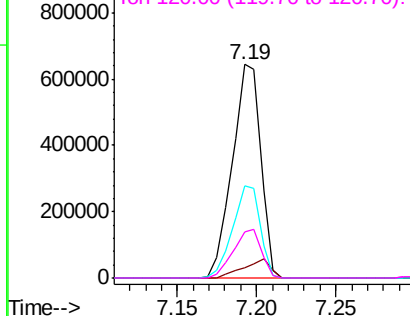
Abundance

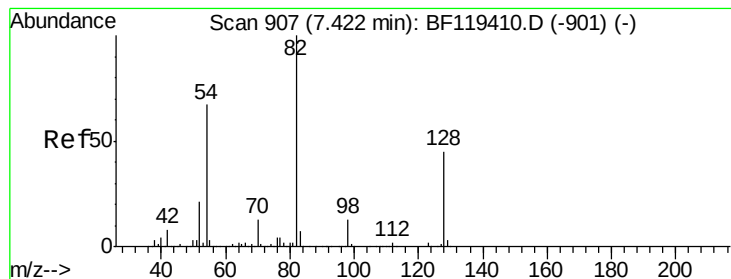
Ion 105.00 (104.70 to 105.70): E

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: 91.434 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion: 82 Resp: 1059688

Ion Ratio Lower Upper

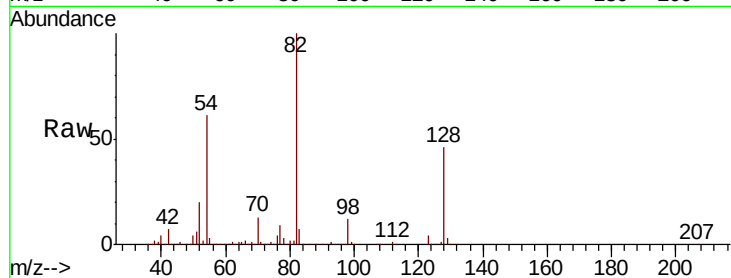
82 100

128 46.3 36.3 54.5

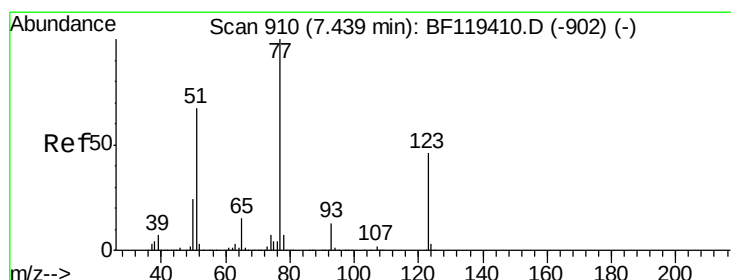
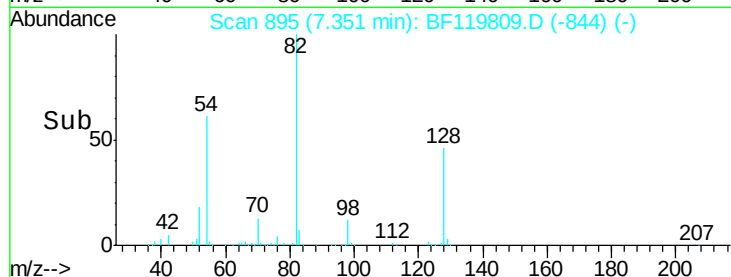
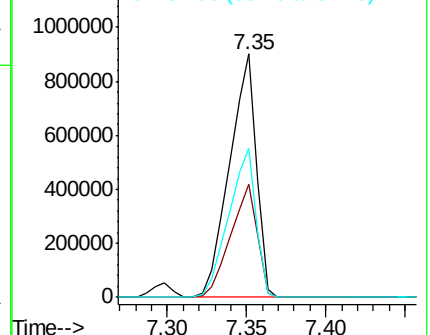
54 61.3 50.6 75.8

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 51.471 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

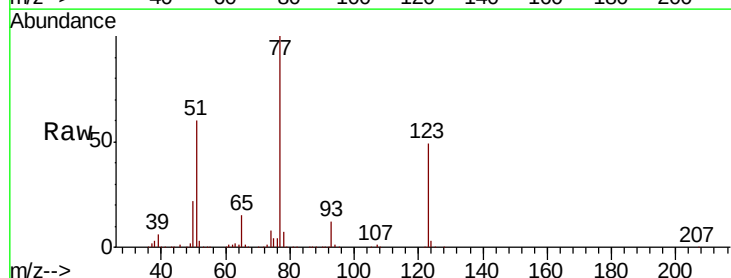
Tgt Ion: 77 Resp: 637514

Ion Ratio Lower Upper

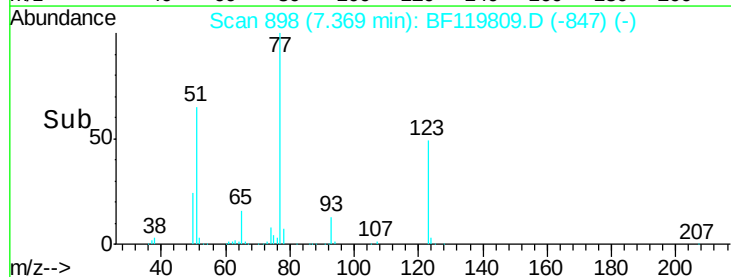
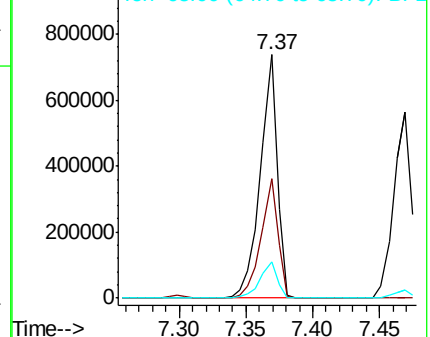
77 100

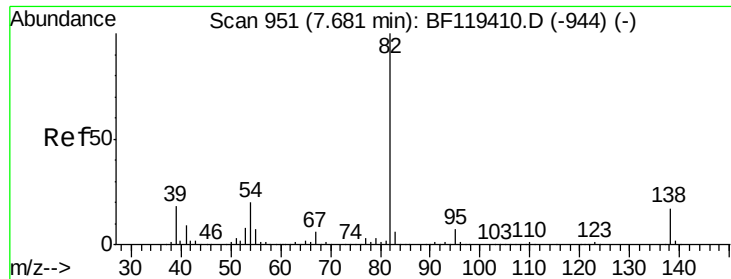
123 48.9 38.0 57.0

65 14.8 12.6 18.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 49.569 ng

RT: 7.61 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion: 82 Resp: 1165374

Ion Ratio Lower Upper

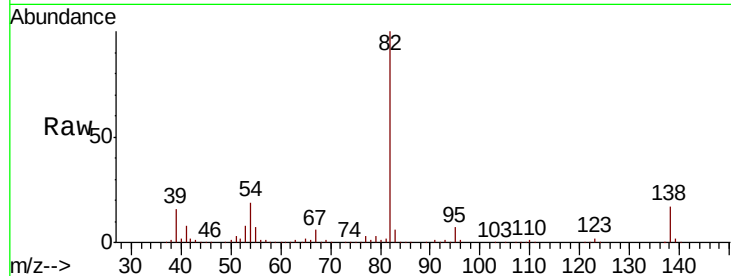
82 100

95 6.7 5.8 8.6

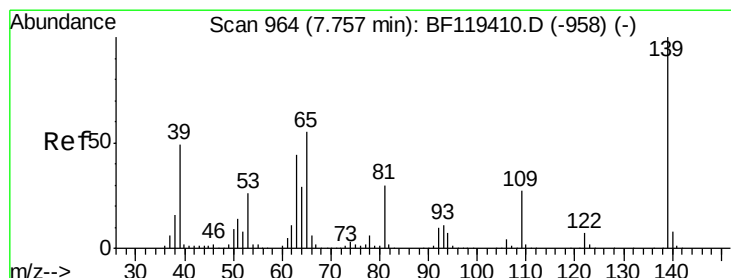
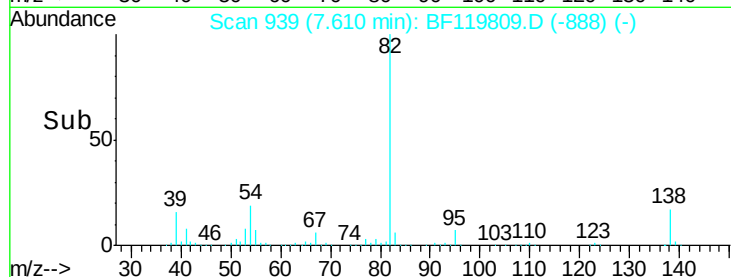
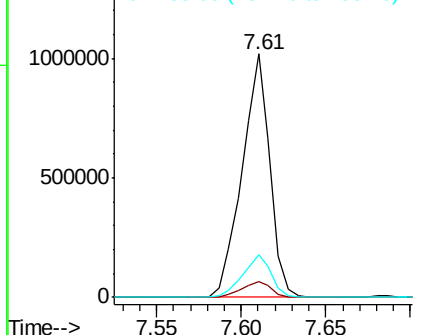
138 17.5 14.6 21.8

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



#26

2-Nitrophenol

Concen: 68.601 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

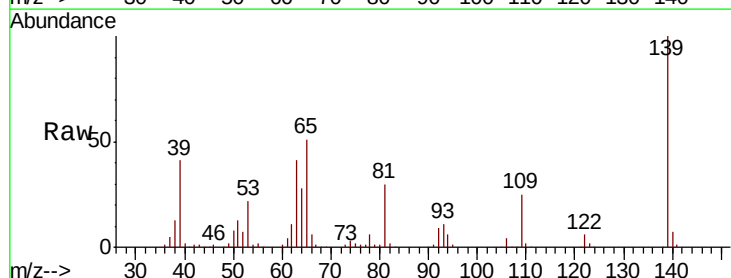
Tgt Ion: 139 Resp: 334550

Ion Ratio Lower Upper

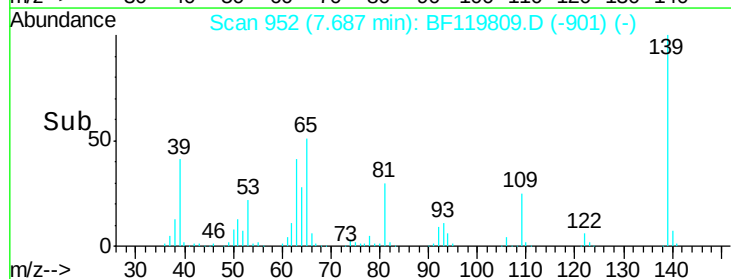
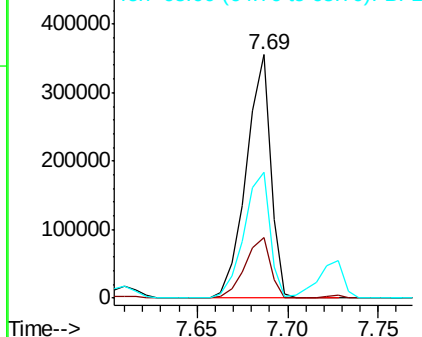
139 100

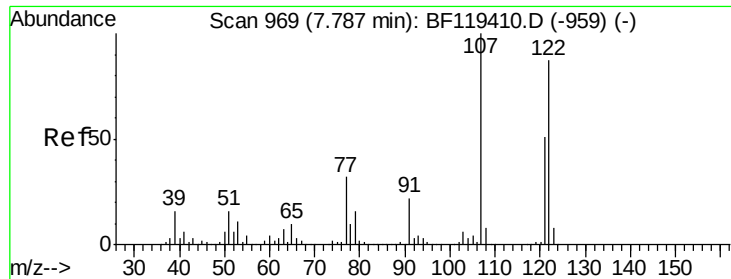
109 24.9 22.1 33.1

65 51.5 49.2 73.8



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





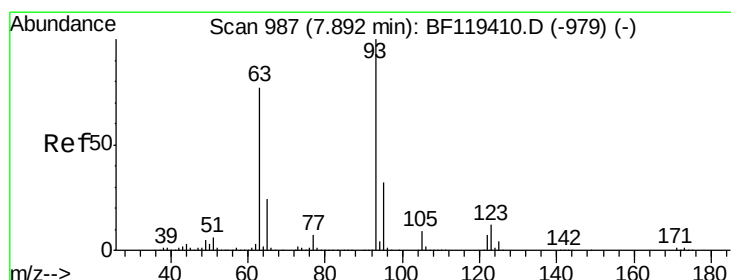
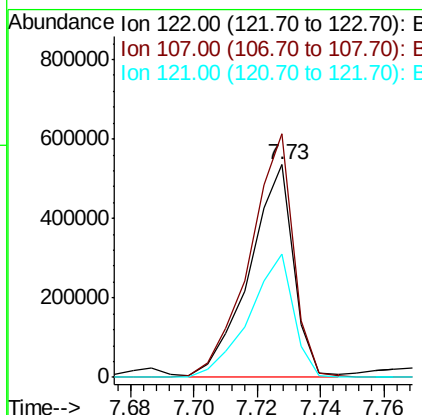
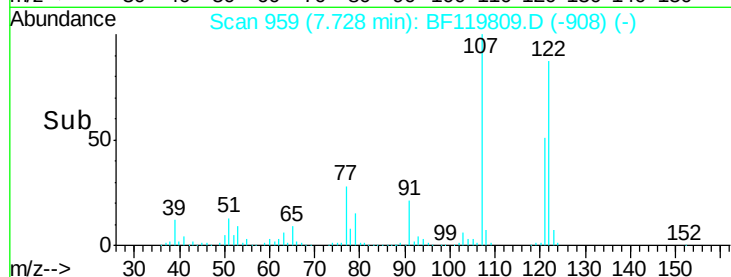
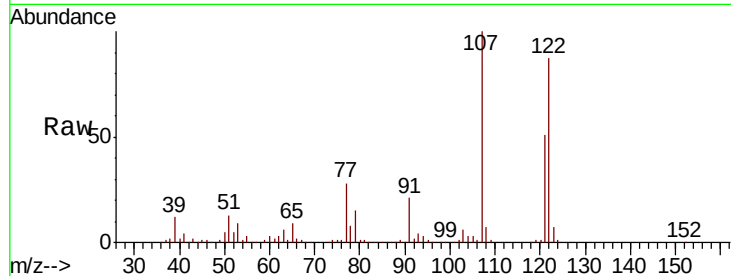
#27
 2,4-Dimethylphenol
 Concen: 51.221 ng
 RT: 7.73 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.7	89.0	133.6
121	58.2	46.7	70.1

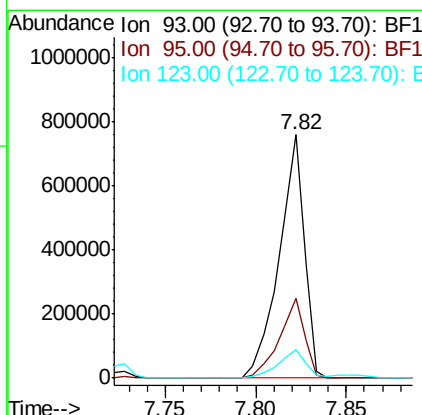
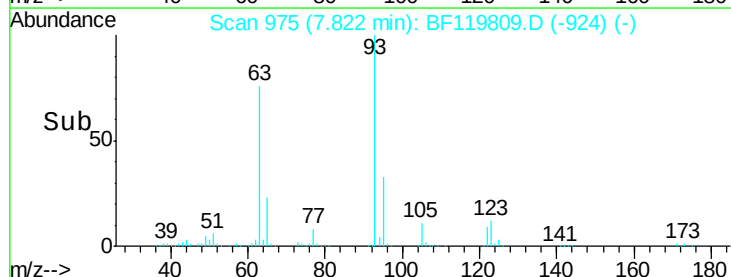
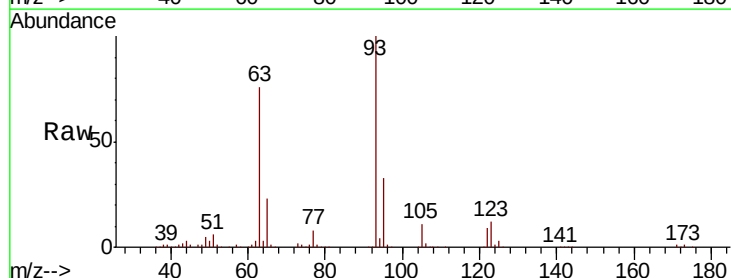
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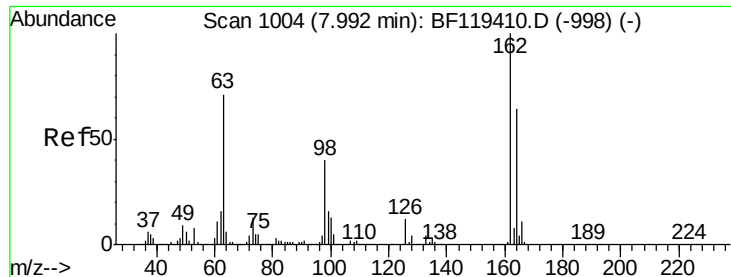
mohammad
 4/8/2020 8:12:41 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 52.777 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.3	39.5
123	11.9	9.7	14.5





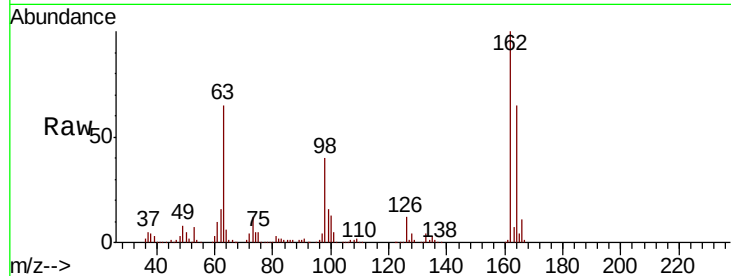
#29
2,4-Dichlorophenol
Concen: 54.810 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

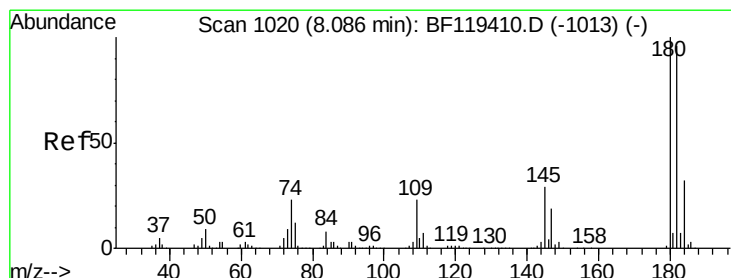
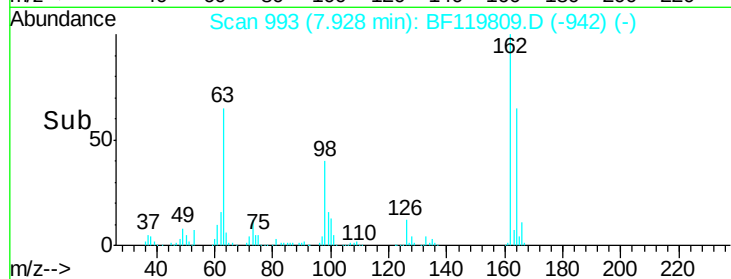
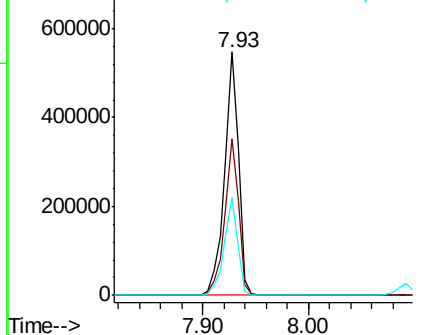
Tot Ion	Ratio	Resp	Lower	Upper
162	100	507841		
164	64.6	44.7	84.7	
98	39.9	20.7	60.7	

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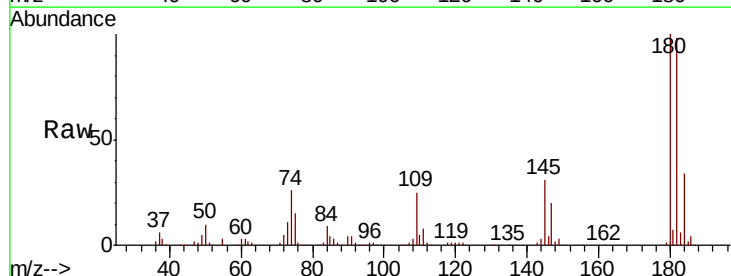


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

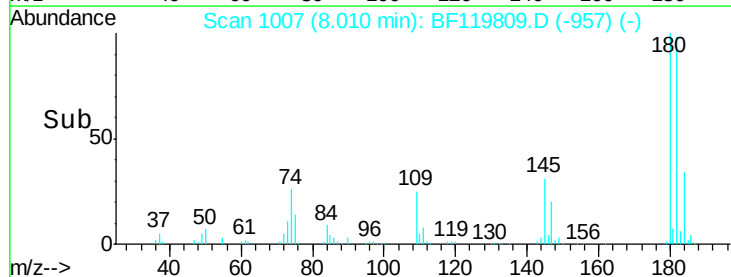
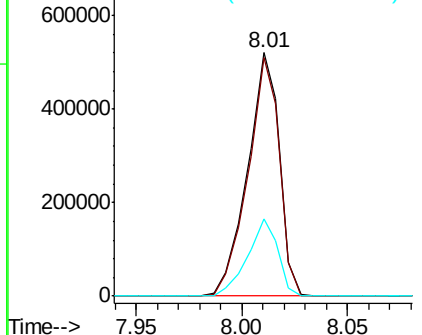


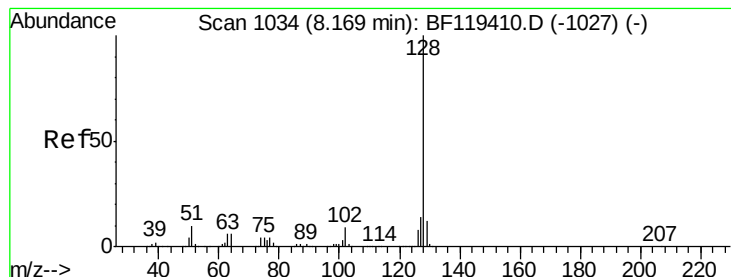
#30
1,2,4-Trichlorobenzene
Concen: 53.276 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	545903		
182	97.8	74.7	112.1	
145	31.5	24.5	36.7	



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: 53.907 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:128 Resp: 1747335

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

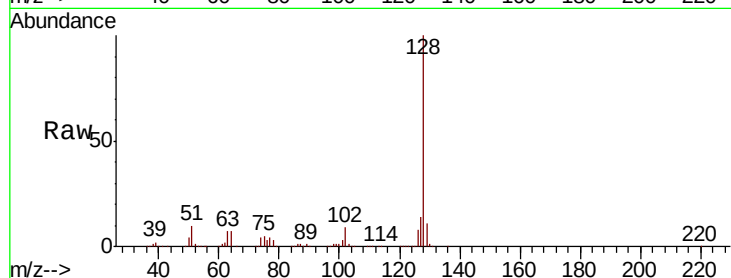
127 13.8 11.3 16.9

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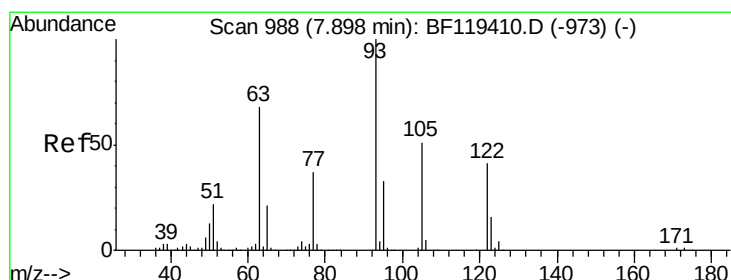
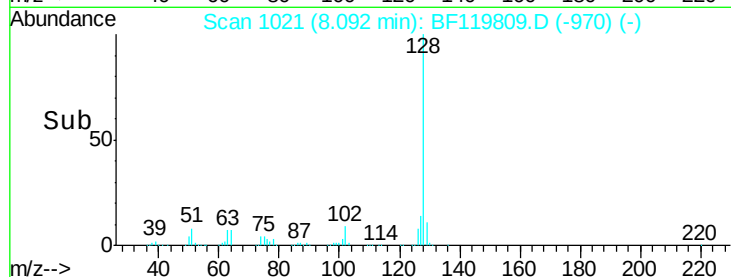
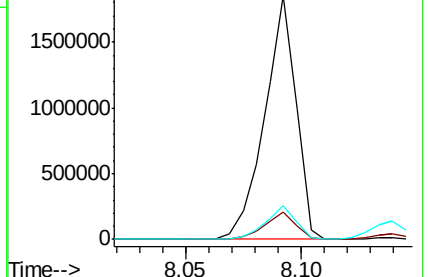
4/8/2020 8:12:41 AM



Abundance Ion 128.00 (127.70 to 128.70): E

2500000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 61.217 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

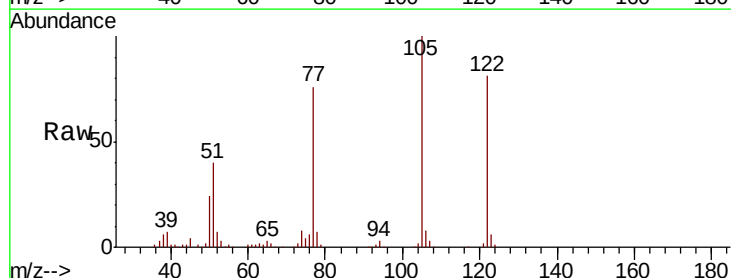
Tgt Ion:122 Resp: 397088

Ion Ratio Lower Upper

122 100

105 123.7 104.9 144.9

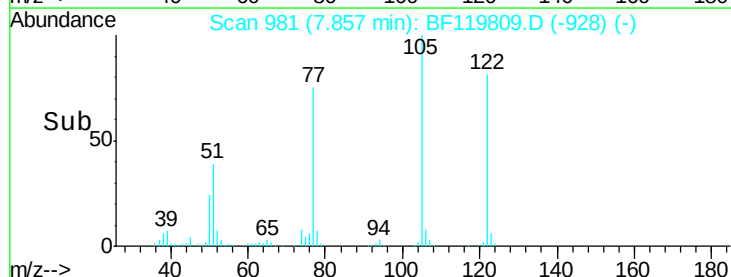
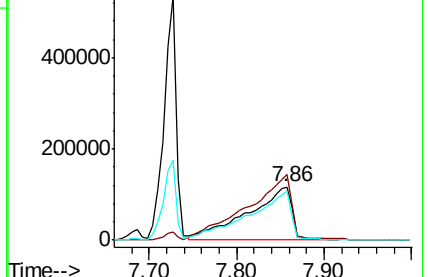
77 93.8 74.4 114.4

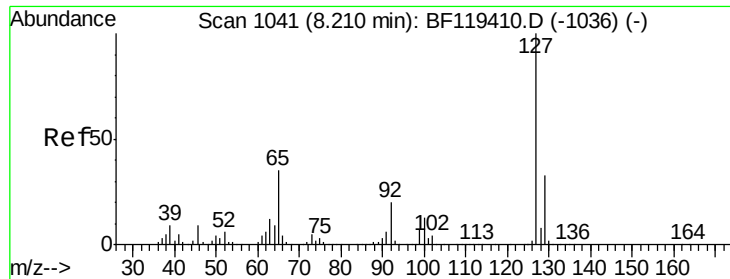


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





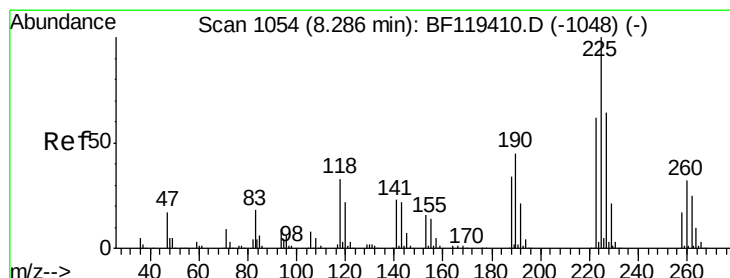
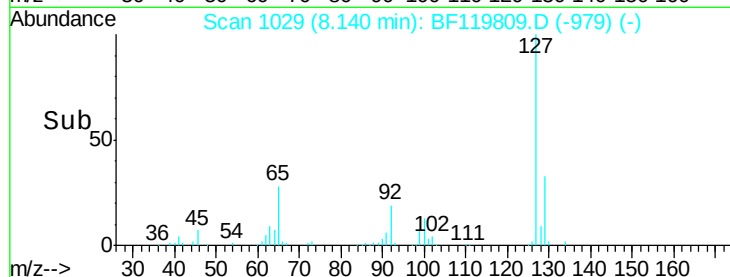
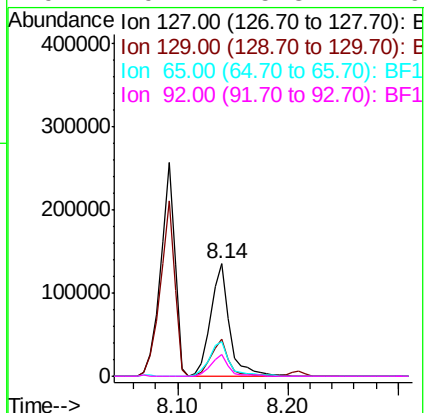
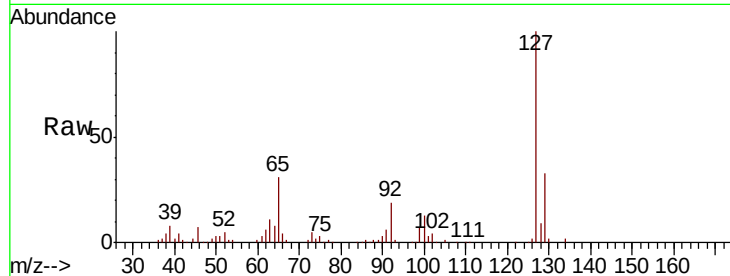
#33
4-Chloroaniline
Concen: 10.465 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.9	26.2	39.4		
65	30.8	27.4	41.0		
92	19.2	15.3	22.9		

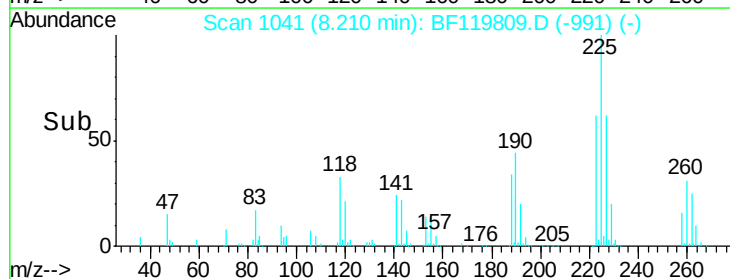
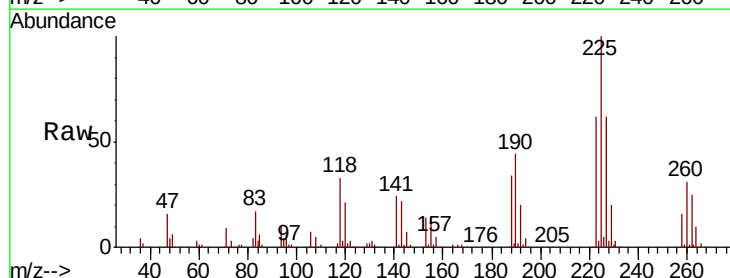
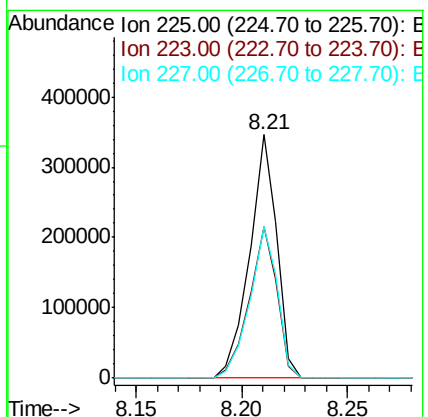
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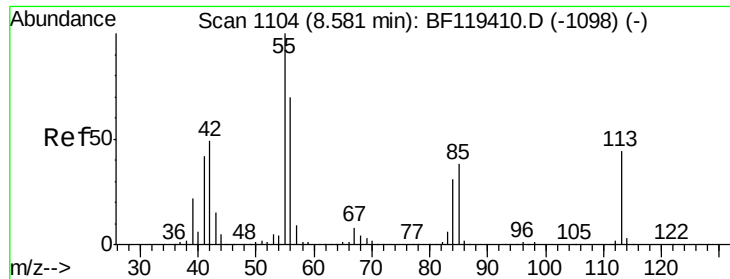
mohammad
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#34
Hexachlorobutadiene
Concen: 54.264 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.4	51.0	76.6		
227	62.3	50.7	76.1		





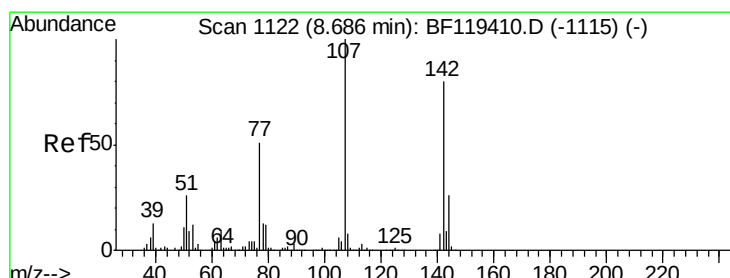
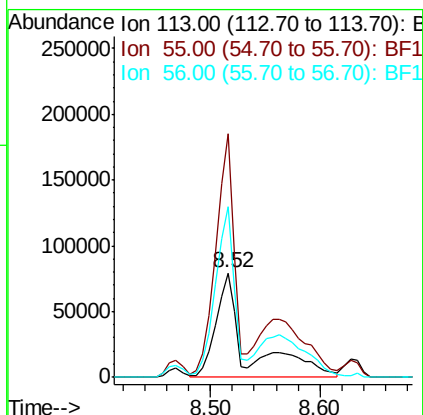
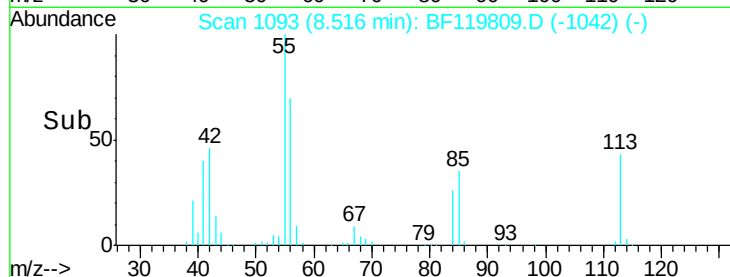
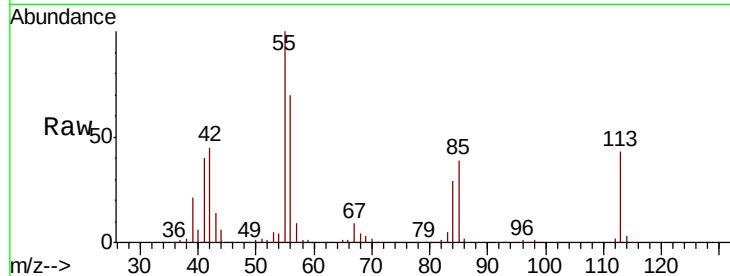
#35
Caprolactam
Concen: 51.911 ng/ml
RT: 8.52 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	233.2		218.4	258.4	
56	163.0		148.9	188.9	

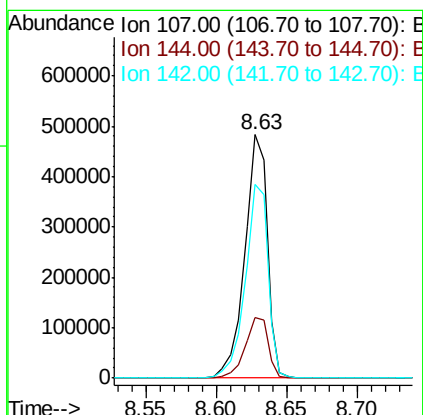
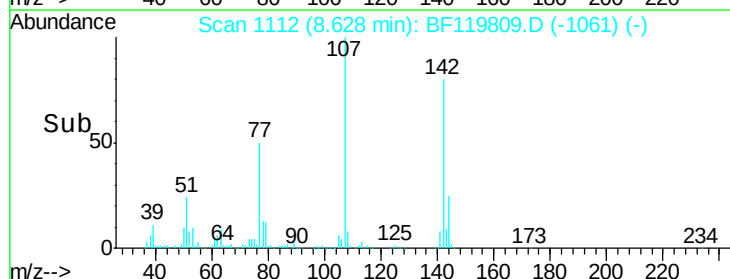
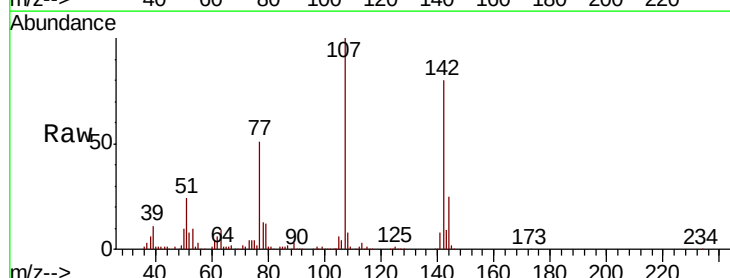
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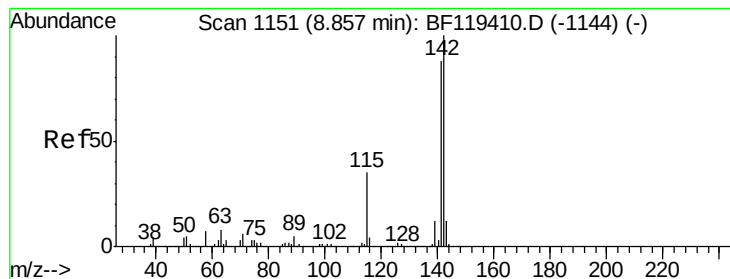
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 53.421 ng/ml
RT: 8.63 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.1		21.0	31.6	
142	79.5		64.4	96.6	





#37

2-Methylnaphthalene

Concen: 54.670 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:142 Resp: 1163009

Ion Ratio Lower Upper

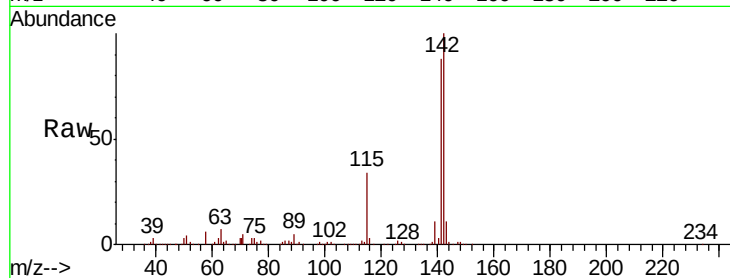
142 100

141 87.9 71.7 107.5

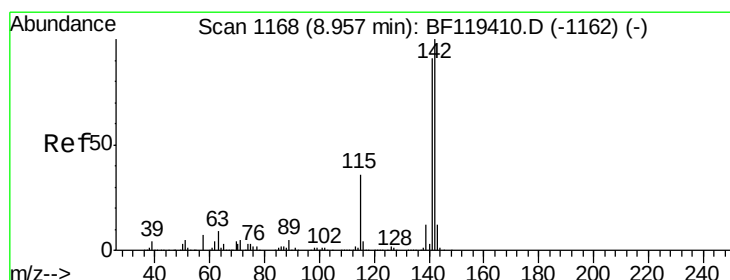
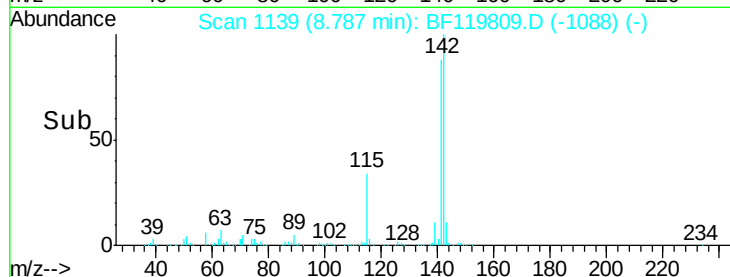
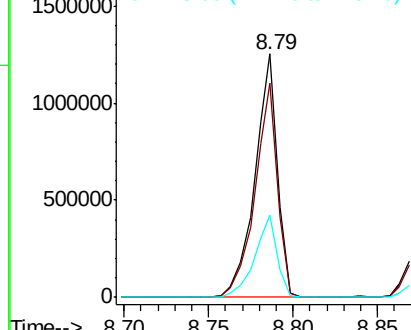
115 33.6 27.9 41.9

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 54.314 ng

RT: 8.89 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

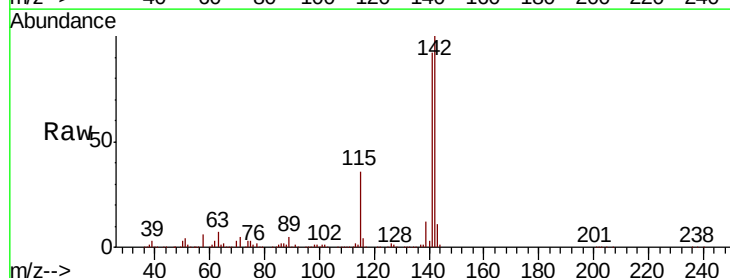
Tgt Ion:142 Resp: 1093630

Ion Ratio Lower Upper

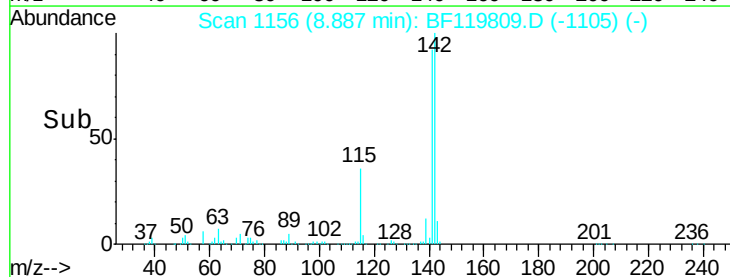
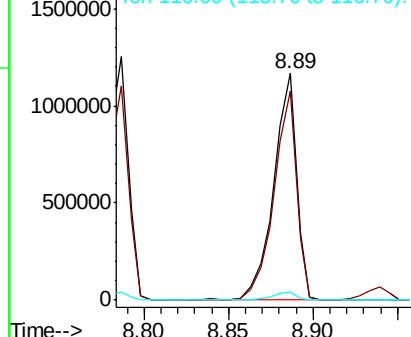
142 100

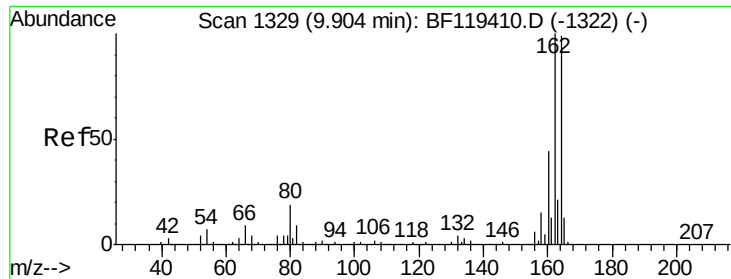
141 92.4 73.7 110.5

116 3.6 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





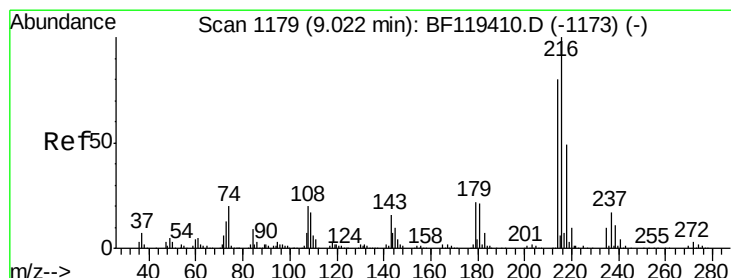
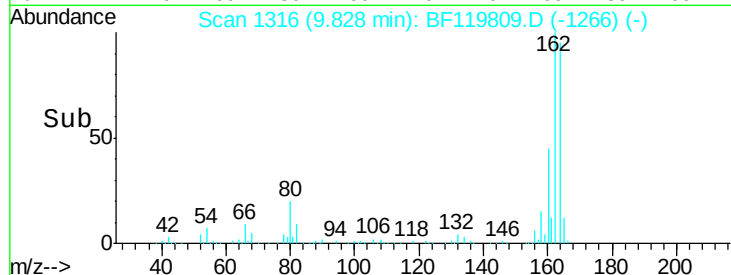
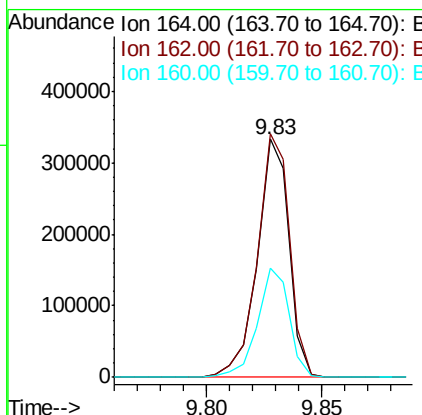
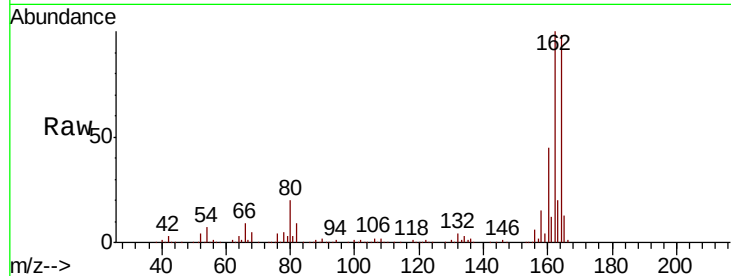
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.6	121.0	
160	46.0	35.7	53.5	

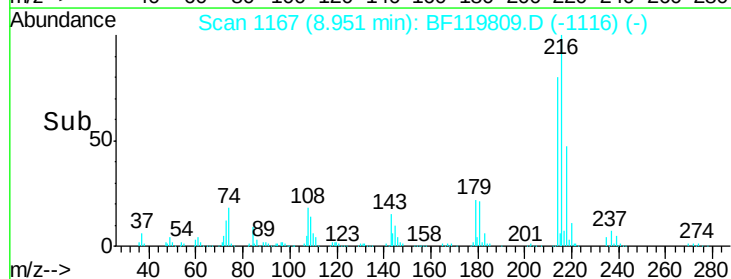
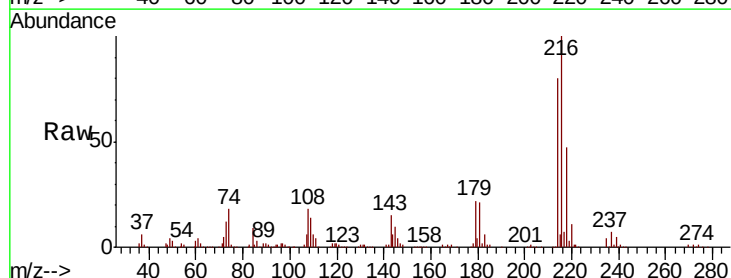
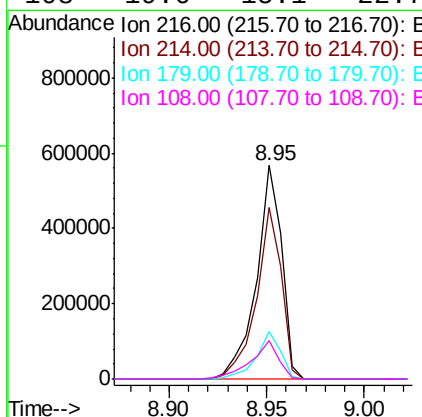
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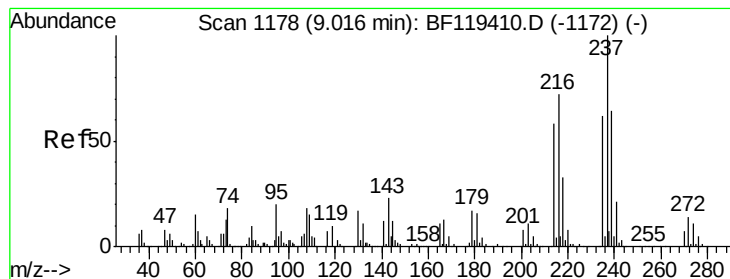
mohammad
 4/8/2020 8:12:41 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 54.741 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.2	94.8	
179	21.2	17.1	25.7	
108	19.6	15.1	22.7	





#41

Hexachlorocyclopentadiene

Concen: 95.602 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

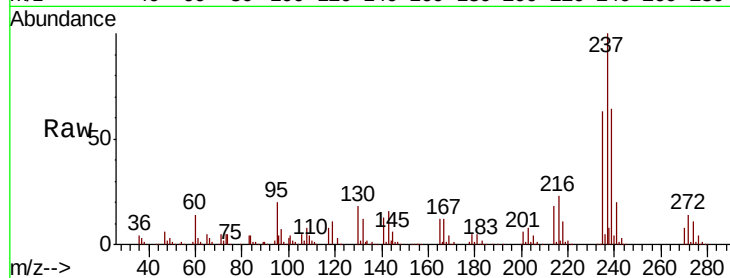
ClientSampleId :

SB-2E-(7-9)MSD

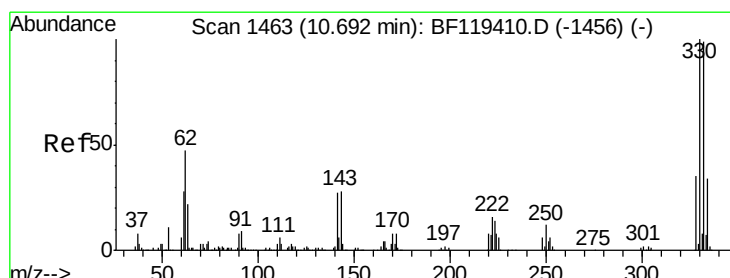
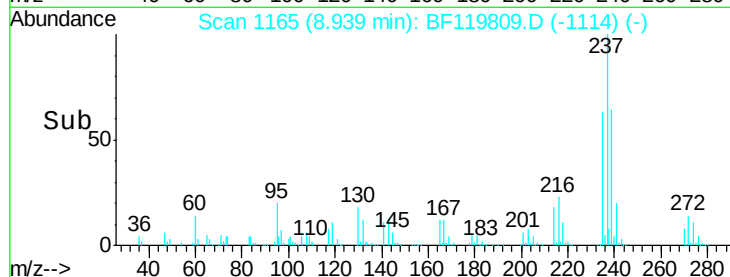
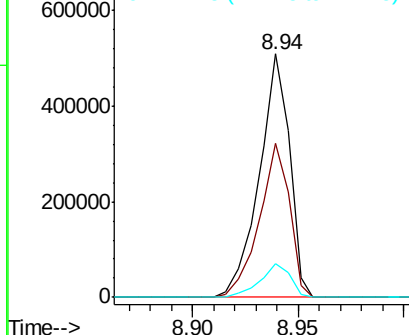
Tot Ion:	237	Resp:	508286
Ion Ratio		Lower	Upper
237	100		
235	63.4	43.2	83.2
272	13.6	0.0	34.1

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



#42

2,4,6-Tribromophenol

Concen: 146.964 ng

RT: 10.62 min Scan# 1451

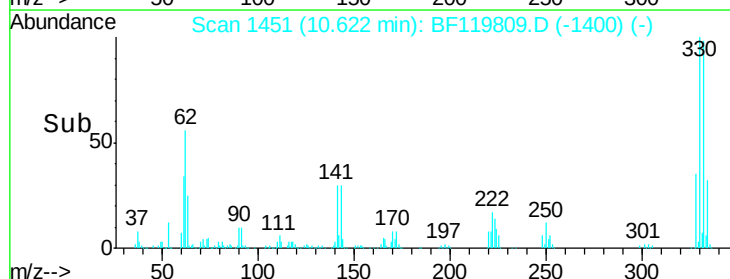
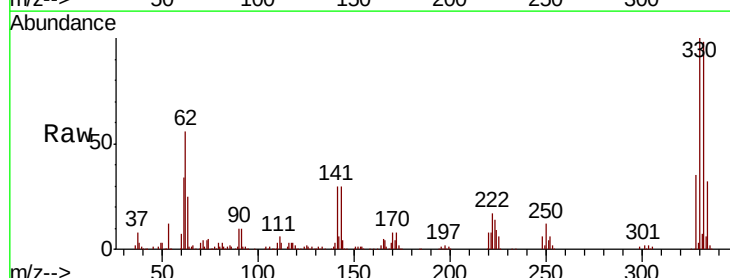
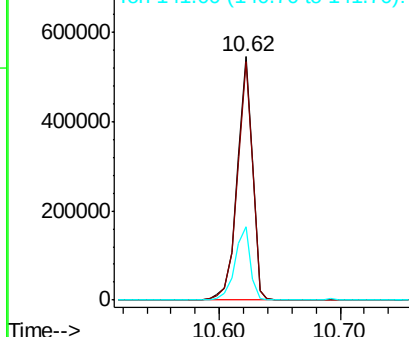
Delta R.T. 0.00 min

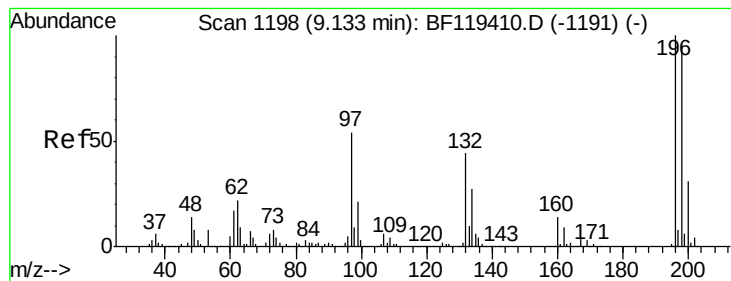
Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	330	Resp:	483752
Ion Ratio		Lower	Upper
330	100		
332	97.8	75.7	113.5
141	30.4	25.4	38.0

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





#43

2,4,6-Trichlorophenol

Concen: 55.910 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

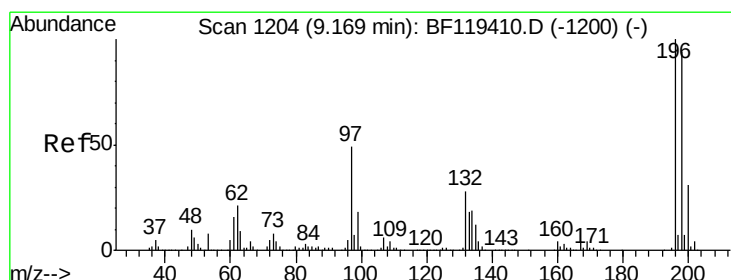
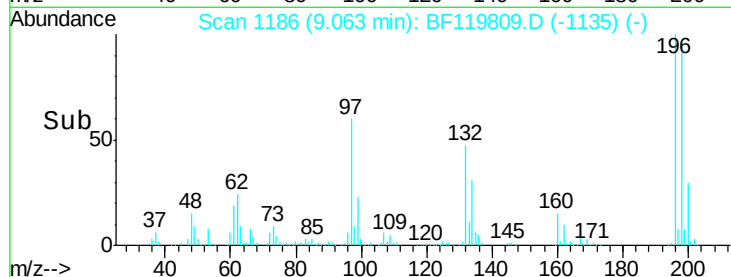
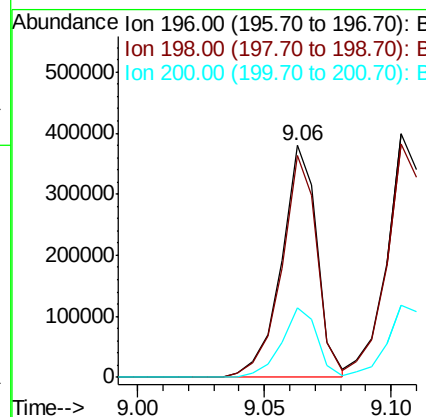
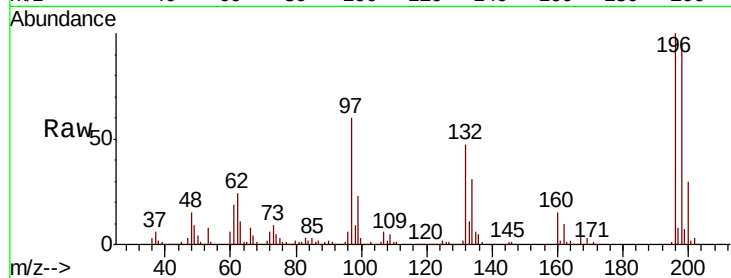
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:	196	Resp:	374173
Ion Ratio	Lower	Upper	
196	100		
198	95.7	76.6	115.0
200	29.9	24.6	36.8

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#44

2,4,5-Trichlorophenol

Concen: 51.906 ng

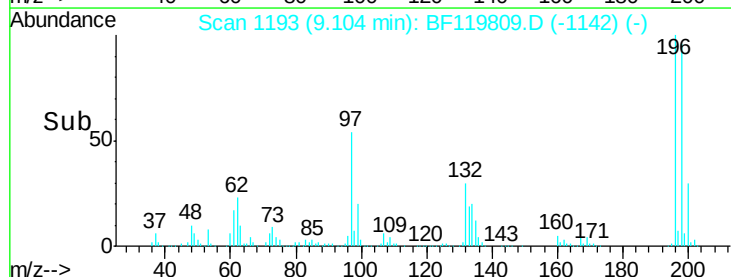
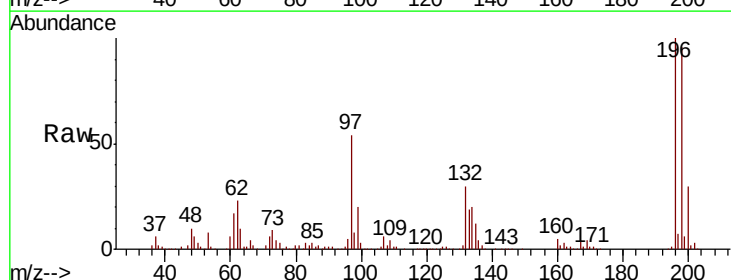
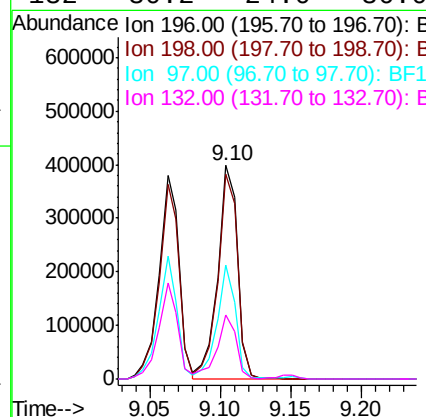
RT: 9.10 min Scan# 1193

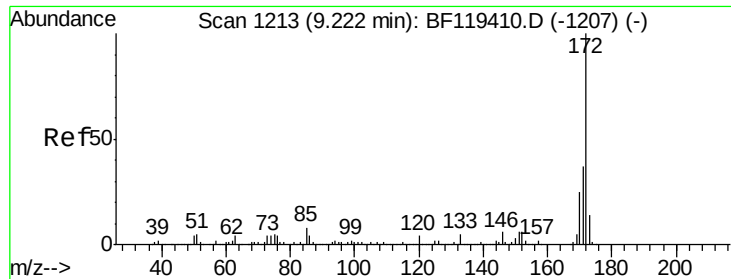
Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	196	Resp:	389141
Ion Ratio	Lower	Upper	
196	100		
198	95.7	73.8	110.8
97	53.6	42.6	63.8
132	30.2	24.0	36.0





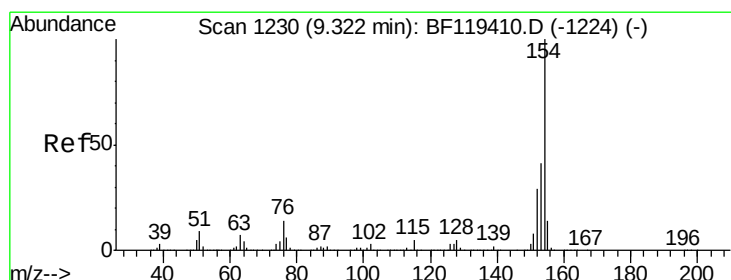
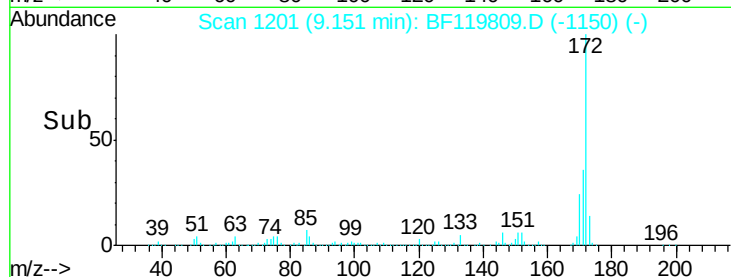
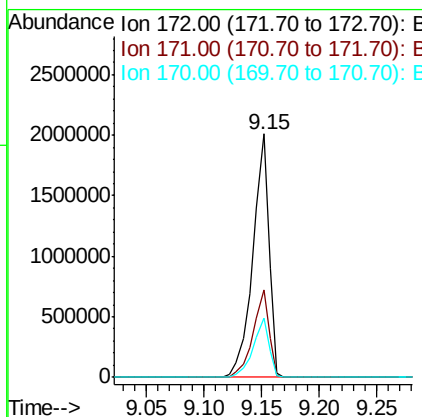
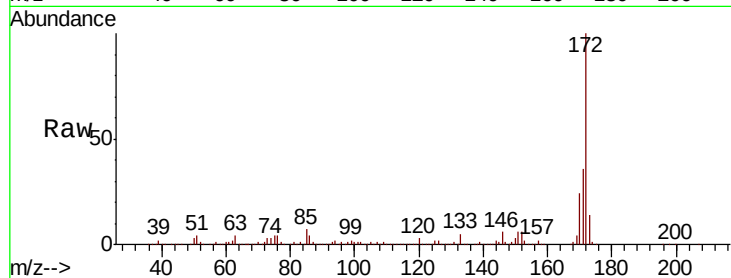
#45
2-Fluorobiphenyl
Concen: 90.546 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.1	20.2	30.2	

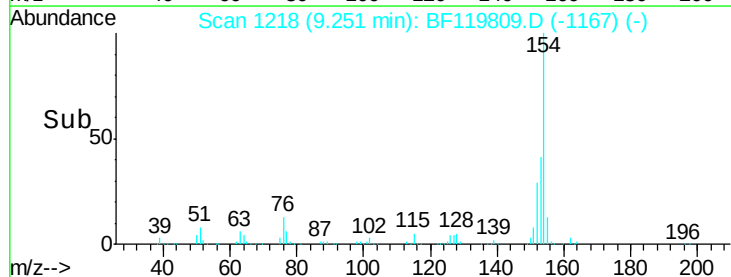
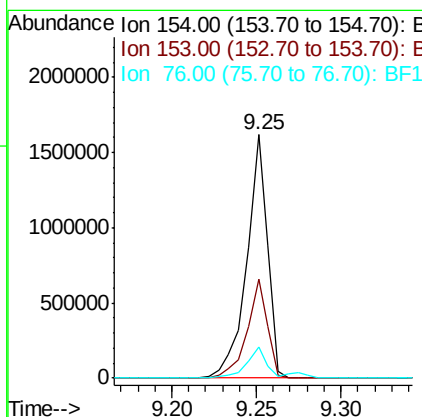
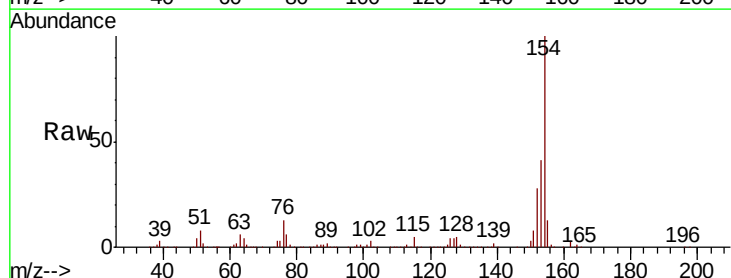
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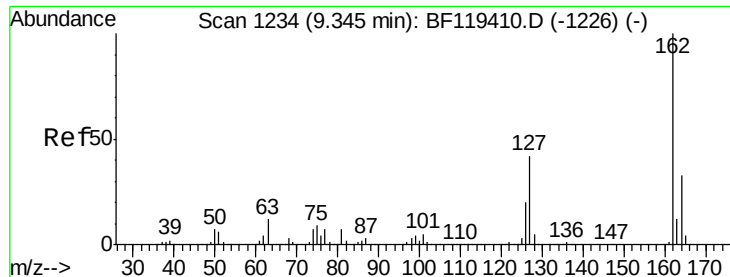
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#46
1,1'-Biphenyl
Concen: 53.764 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	40.8	21.4	61.4	
76	12.6	0.0	33.0	





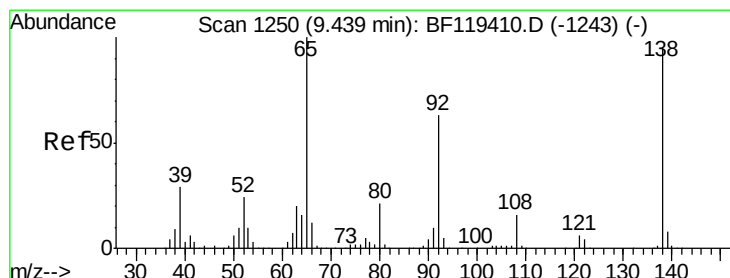
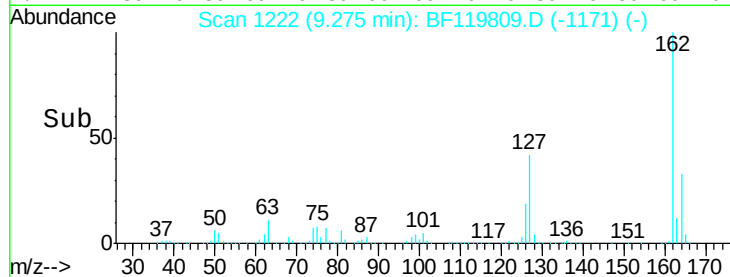
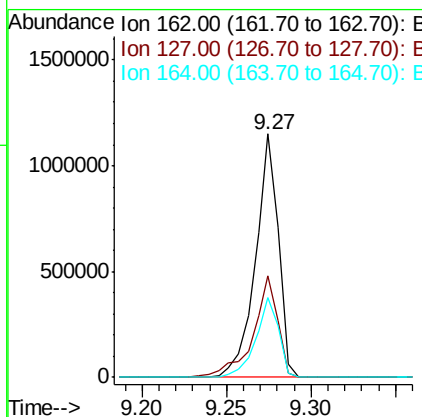
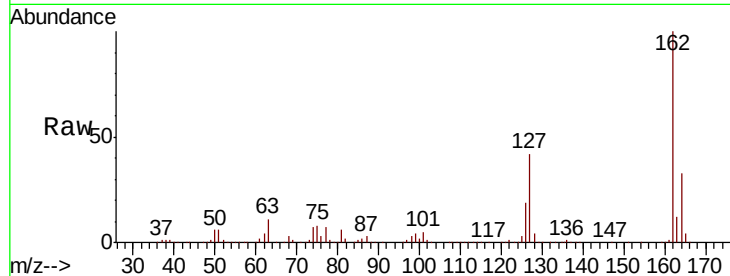
#47
2-Chloronaphthalene
Concen: 53.066 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.7	50.5
164	32.8	26.3	39.5

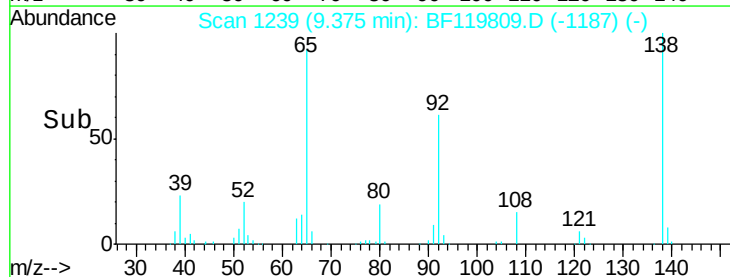
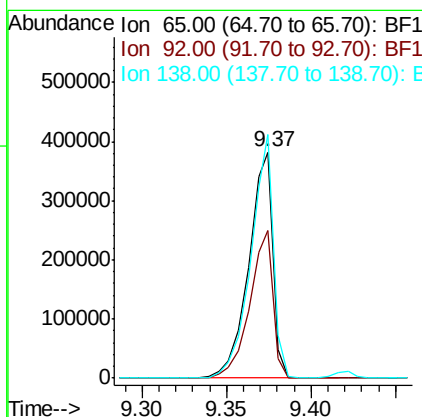
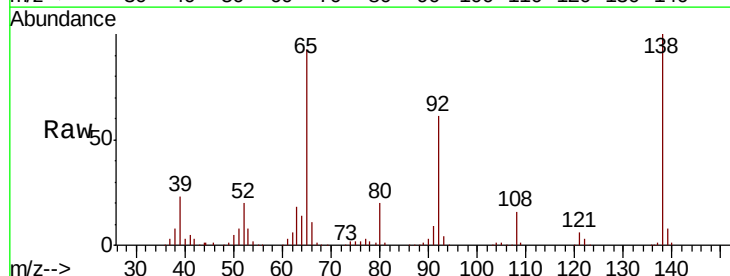
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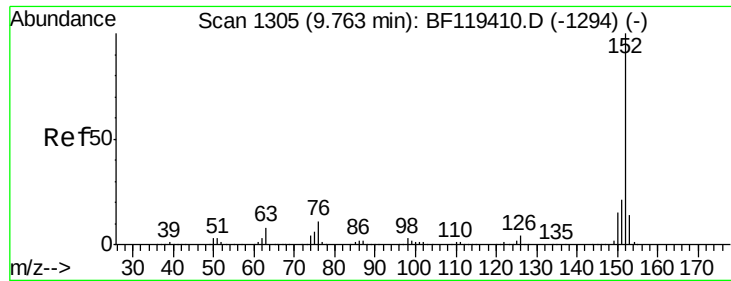
mohammad
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#48
2-Nitroaniline
Concen: 54.482 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.5	50.0	75.0
138	107.8	75.0	112.4





#49

Acenaphthylene

Concen: 53.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

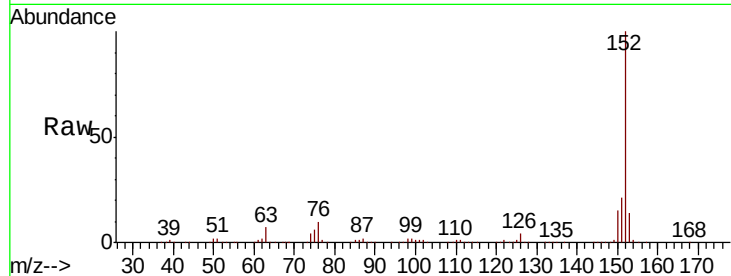
ClientSampleId :

SB-2E-(7-9)MSD

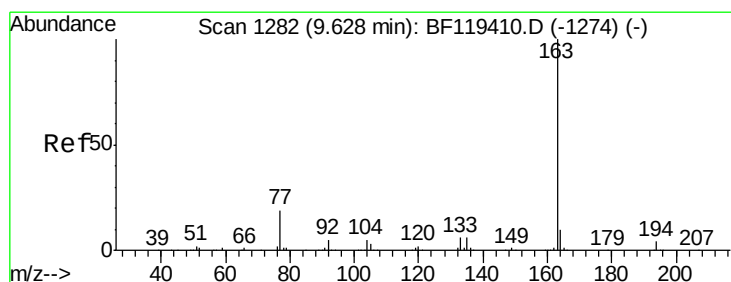
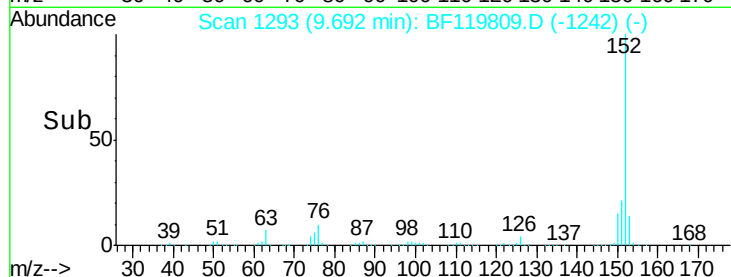
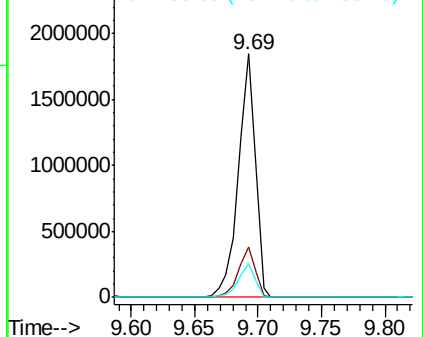
Tot Ion:	152	Resp:	1694153
Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.2	25.8
153	13.6	11.2	16.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 64.704 ng

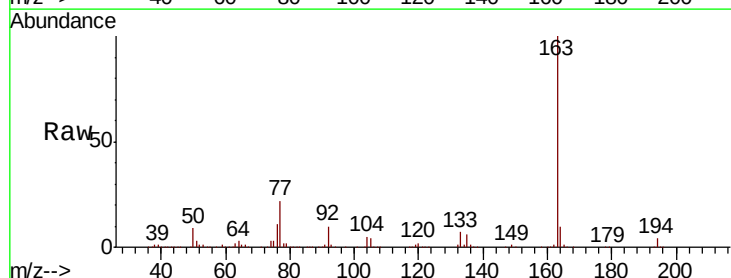
RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

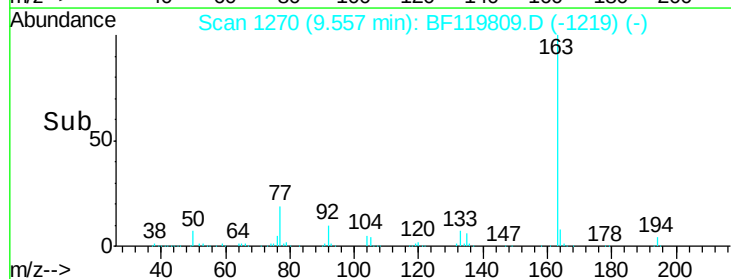
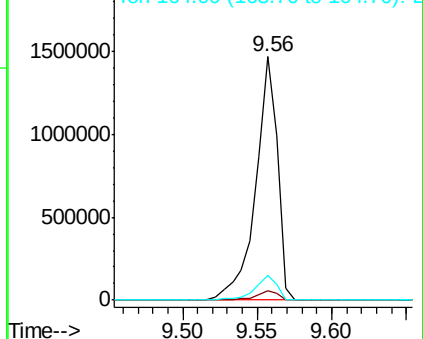
Lab File: BF119809.D

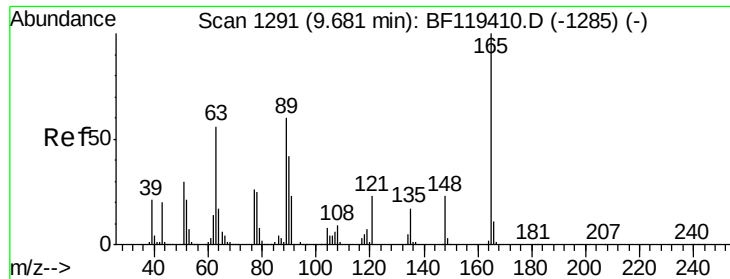
Acq: 7 Apr 2020 8:59

Tgt Ion:	163	Resp:	1466386
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 57.766 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

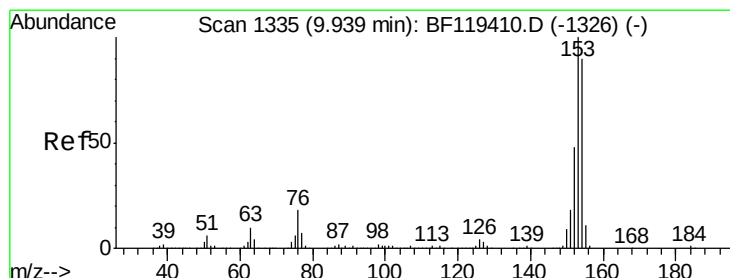
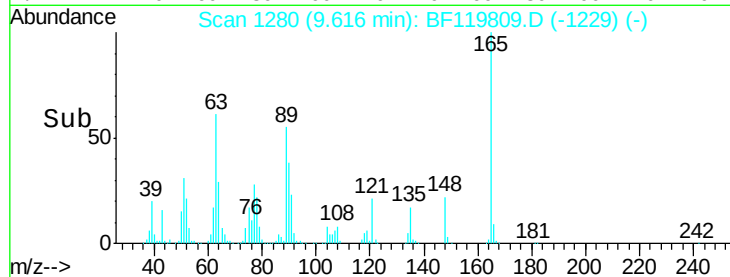
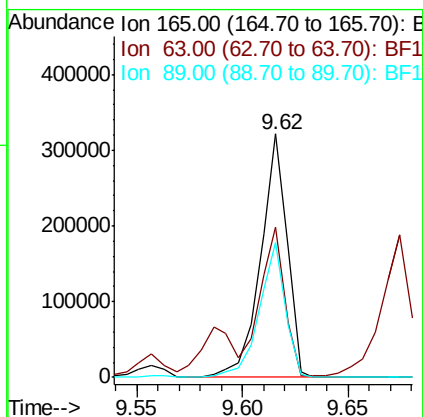
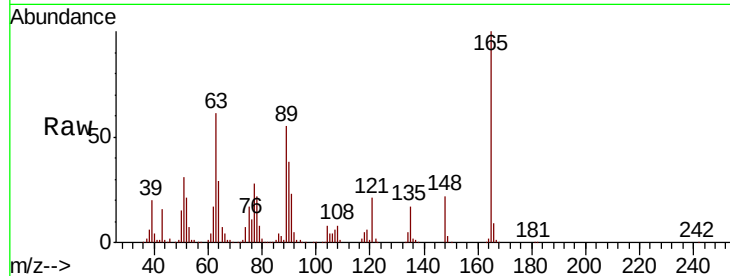
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:	165	Resp:	280610
Ion Ratio	Lower	Upper	
165	100		
63	61.4	45.0	67.4
89	55.3	41.5	62.3

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#52

Acenaphthene

Concen: 52.191 ng

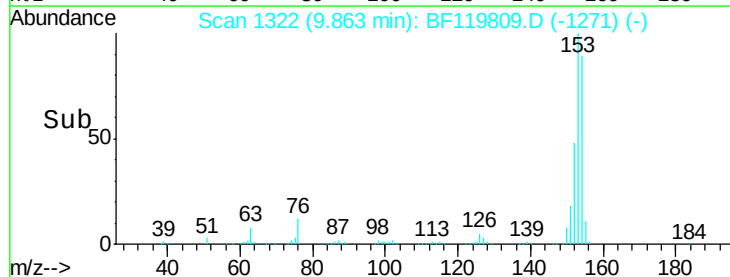
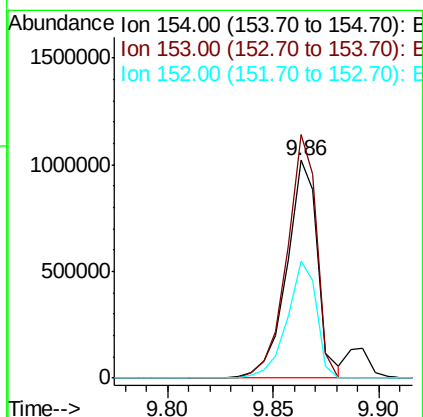
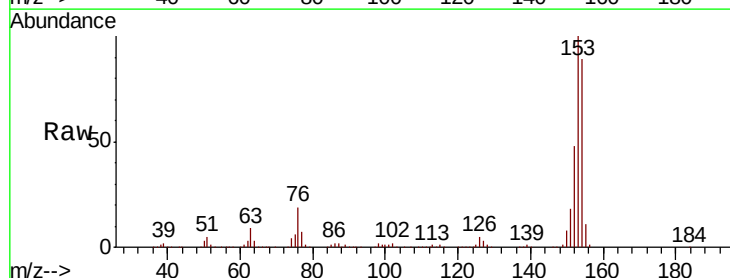
RT: 9.86 min Scan# 1322

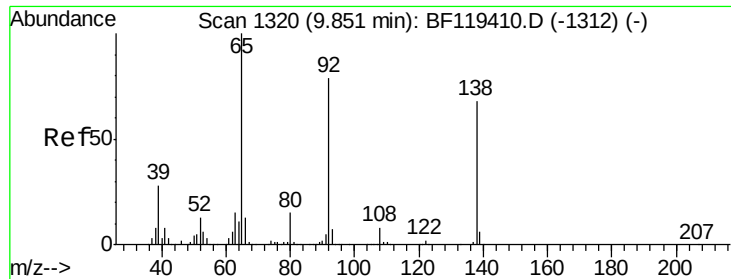
Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	154	Resp:	1040038
Ion Ratio	Lower	Upper	
154	100		
153	111.9	88.1	132.1
152	53.6	43.0	64.4





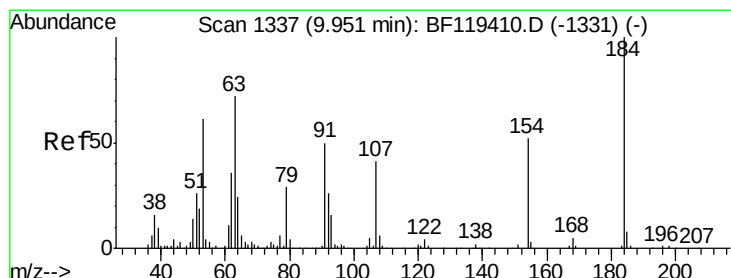
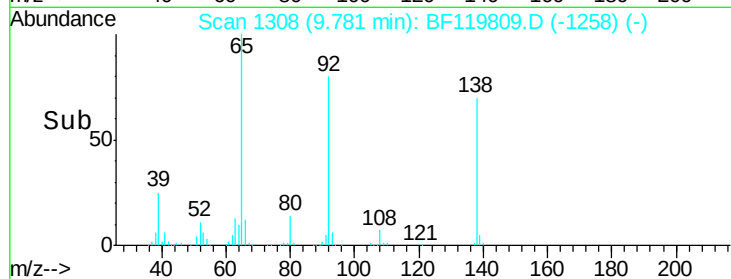
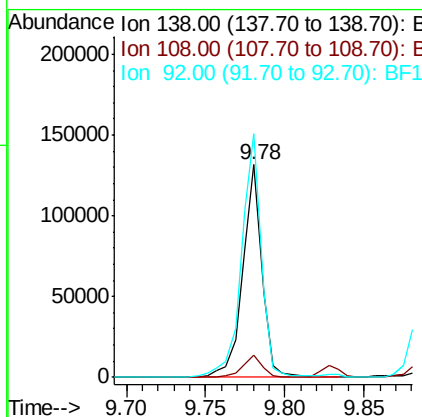
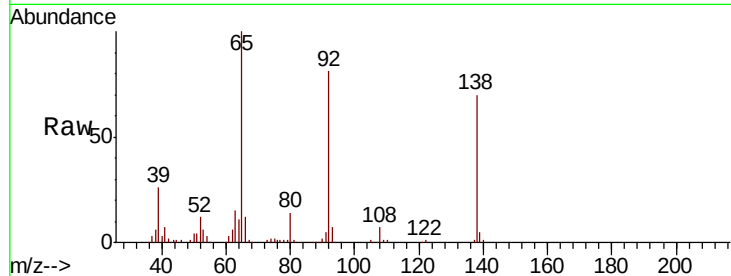
#53
3-Nitroaniline
Concen: 17.981 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.3	8.6	13.0	
92	114.5	95.4	143.0	

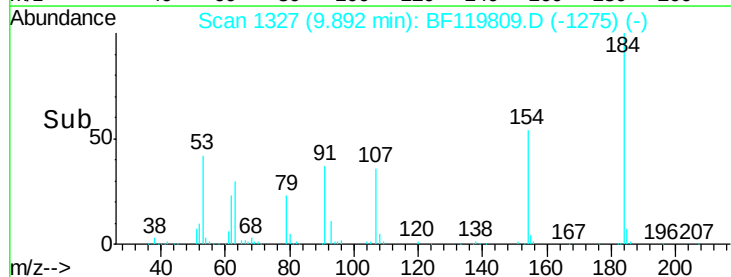
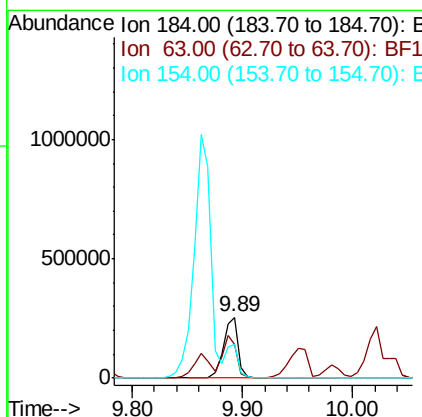
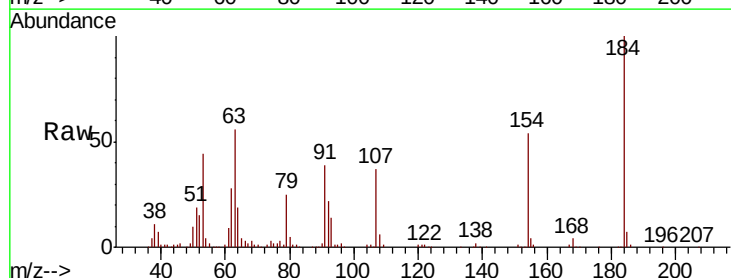
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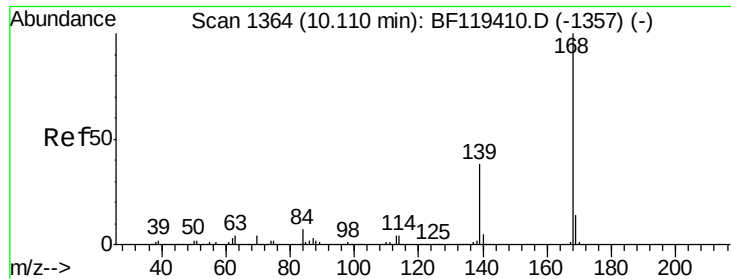
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#54
2,4-Dinitrophenol
Concen: 111.511 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	56.0	50.2	75.4	
154	54.4	44.5	66.7	





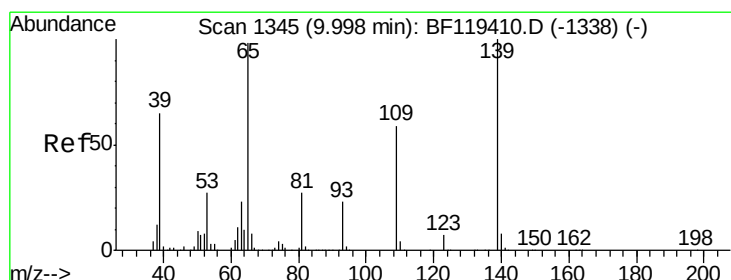
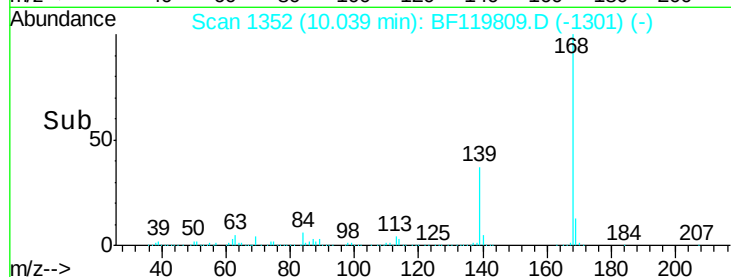
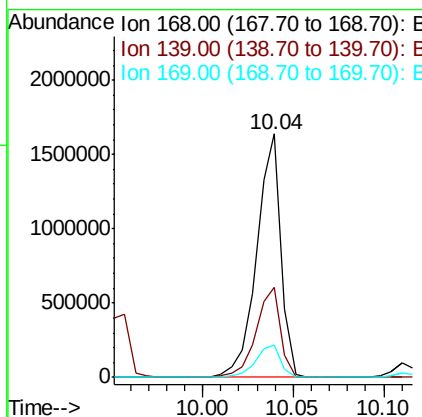
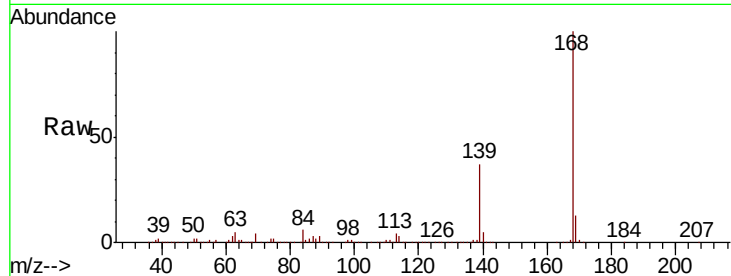
#55
Dibenzofuran
Concen: 52.987 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion:168 Resp: 1513876
Ion Ratio Lower Upper
168 100
139 36.9 30.1 45.1
169 13.4 11.0 16.6

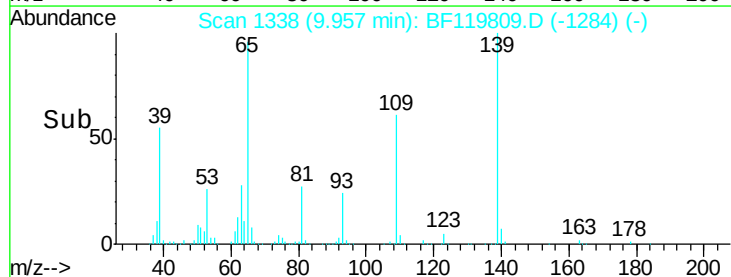
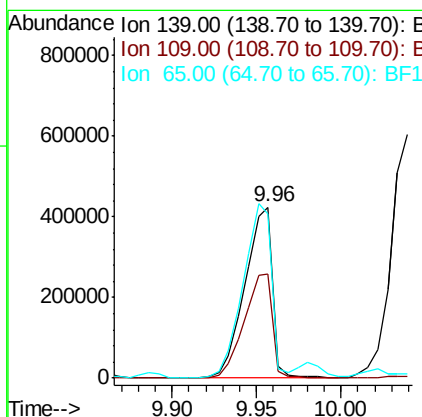
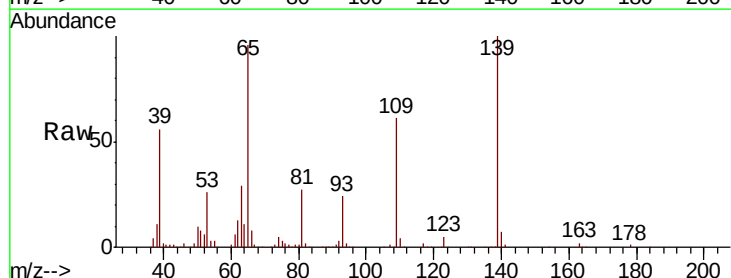
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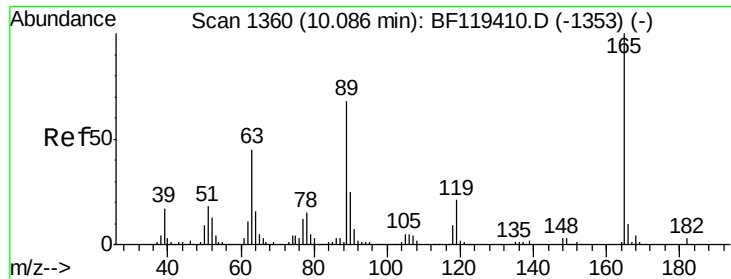
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#56
4-Nitrophenol
Concen: 100.546 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion:139 Resp: 486436
Ion Ratio Lower Upper
139 100
109 61.1 43.3 83.3
65 95.8 91.0 131.0





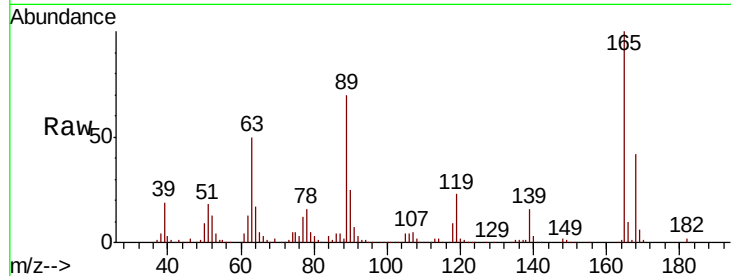
#57
2,4-Dinitrotoluene
Concen: 61.597 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

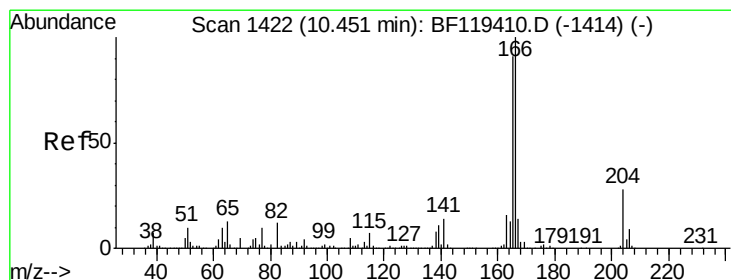
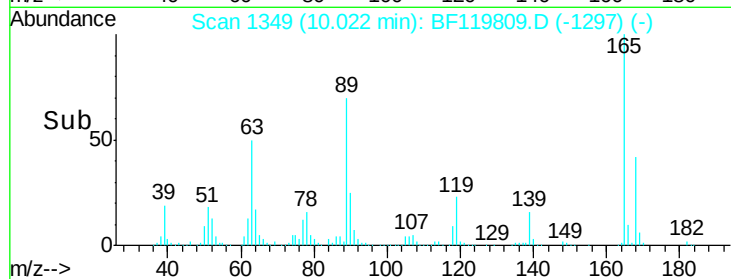
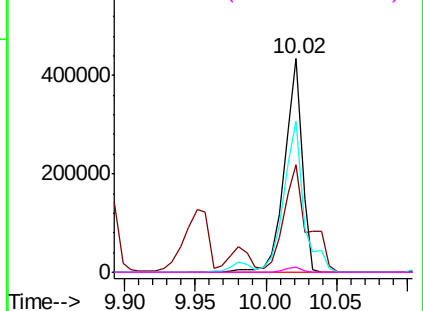
Tot Ion:	165	Resp:	376935
Ion Ratio	Lower	Upper	
165	100		
63	50.4	42.6	64.0
89	70.5	61.0	91.4
182	2.4	2.2	3.2

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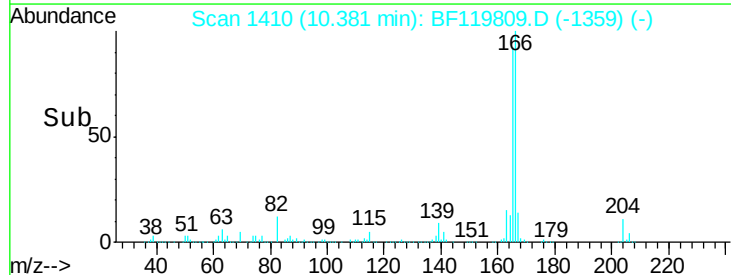
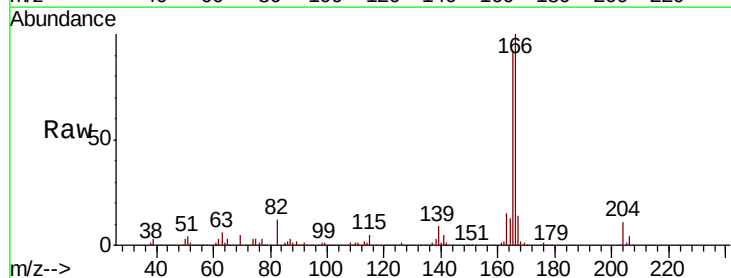
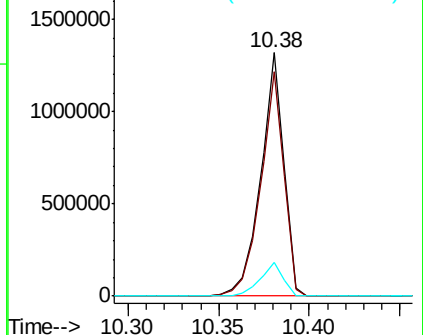
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

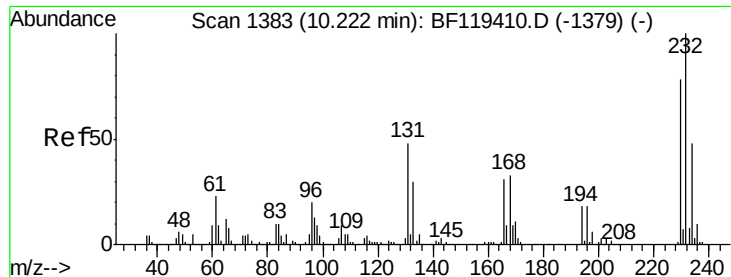


#58
Fluorene
Concen: 55.029 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion:	166	Resp:	1162635
Ion Ratio	Lower	Upper	
166	100		
165	92.1	75.4	113.2
167	13.7	11.2	16.8

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





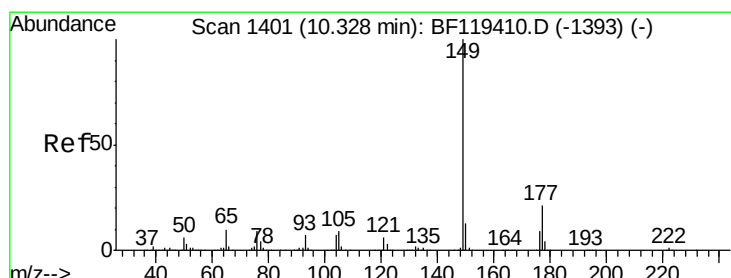
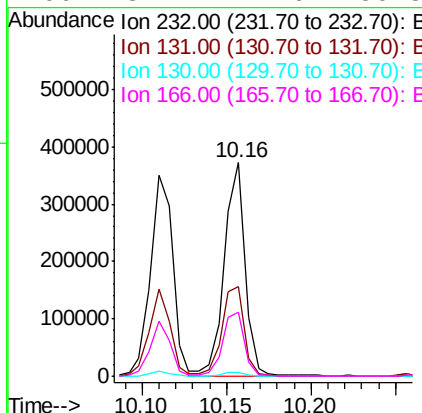
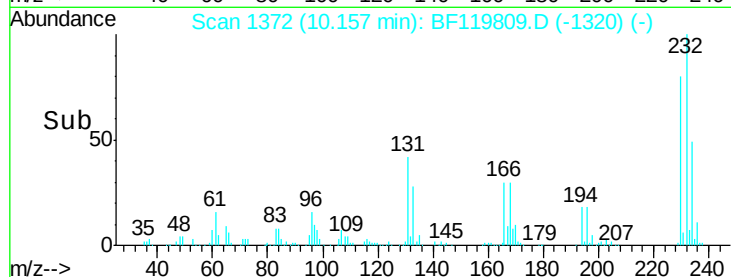
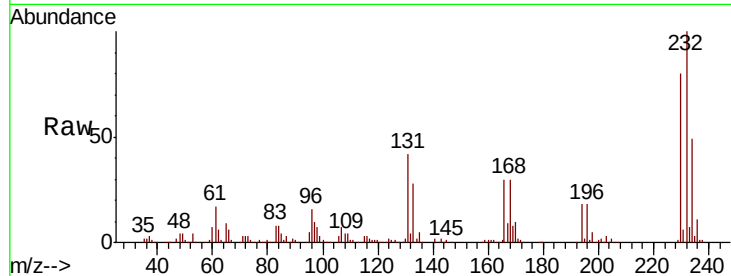
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 56.809 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	318355		
131	45.8		37.5	56.3
130	2.1		1.8	2.6
166	31.2		24.6	36.8

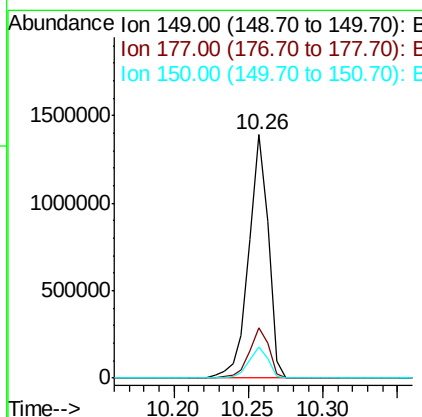
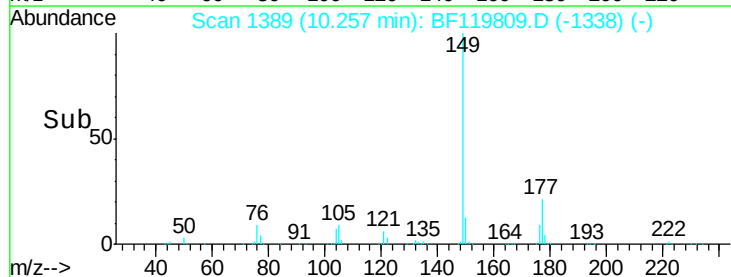
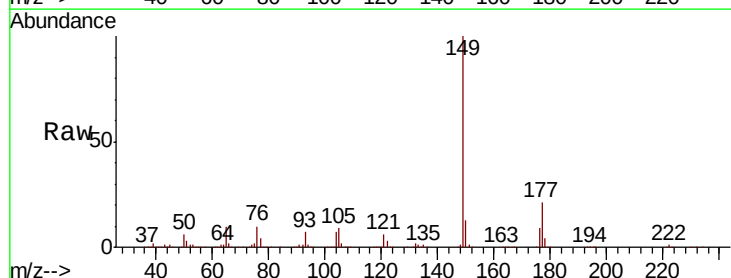
Manual Integrations
 APPROVED

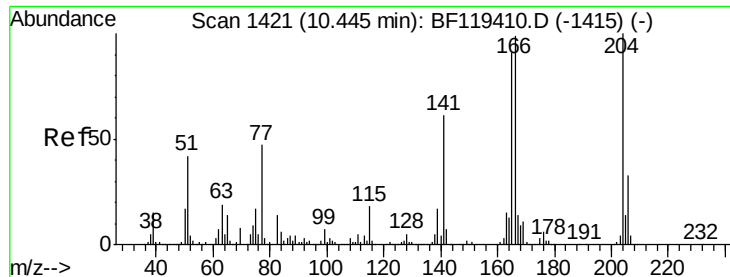
mohammad
 4/8/2020 8:12:41 AM



#60
 Diethylphthalate
 Concen: 54.627 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1256513		
177	20.8		17.0	25.6
150	12.5		10.1	15.1





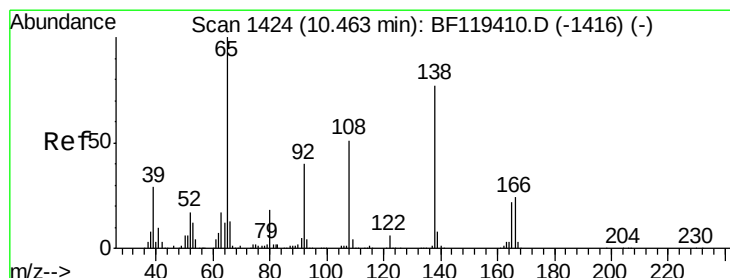
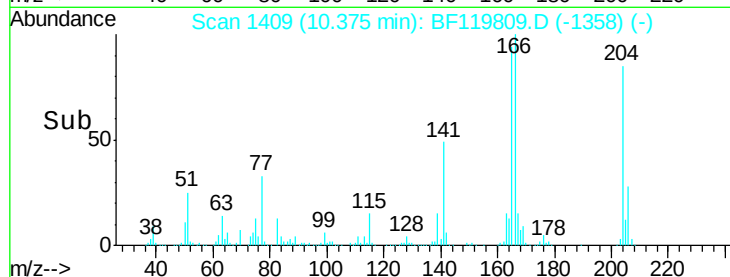
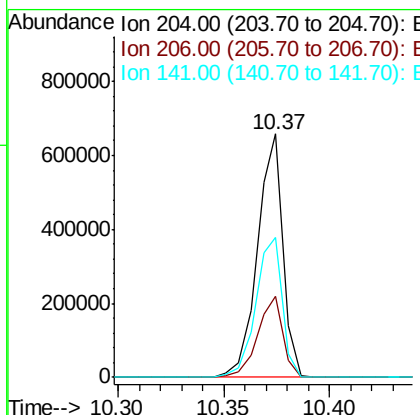
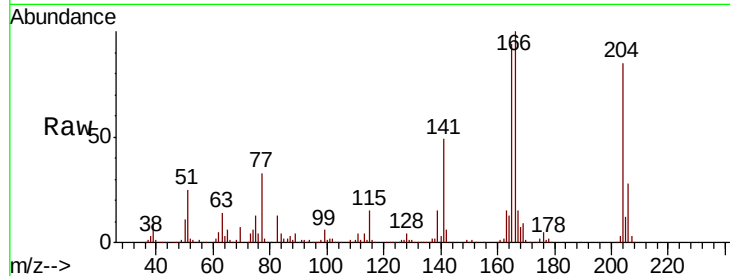
#61
4-Chlorophenyl-phenylether
Concen: 53.417 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.7	40.1
141	57.4	47.3	70.9

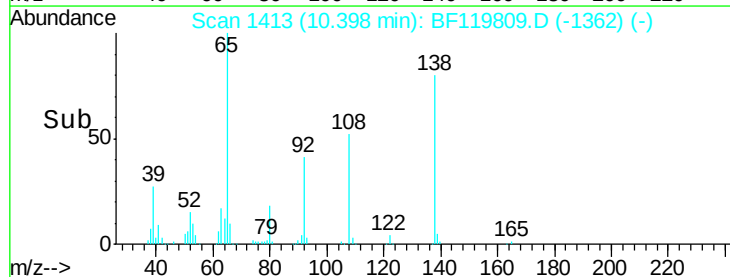
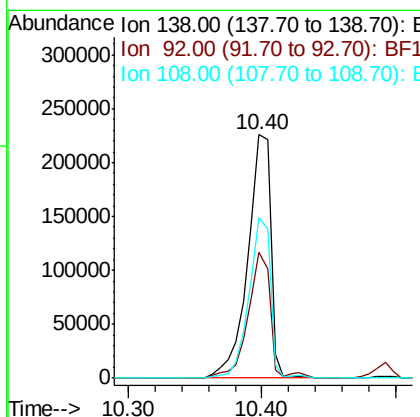
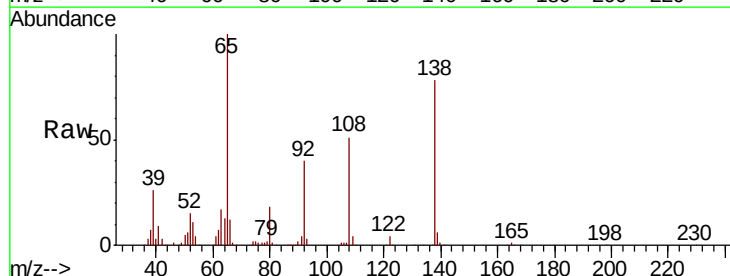
Manual Integrations
APPROVED

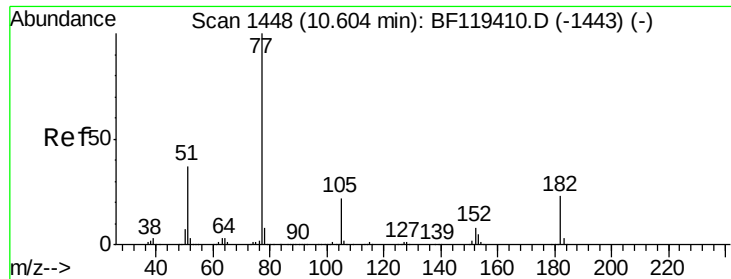
mohammad
4/8/2020 8:12:41 AM



#62
4-Nitroaniline
Concen: 45.392 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.7	31.5	71.5
108	66.0	45.8	85.8





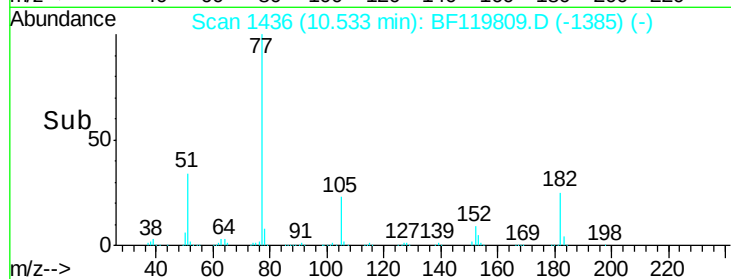
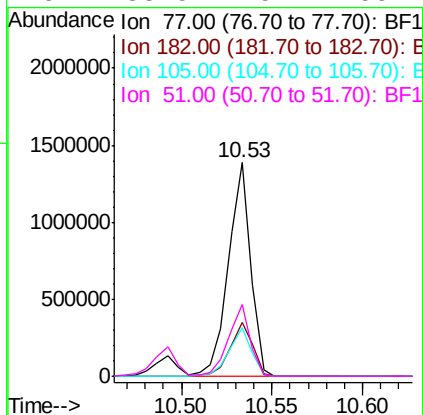
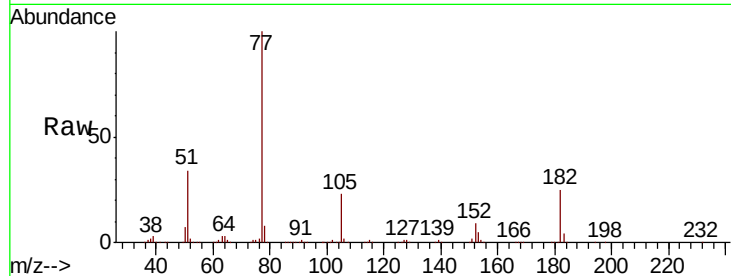
#63
Azobenzene
Concen: 51.304 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.4	4.4	44.4	
105	23.0	2.6	42.6	
51	33.5	15.1	55.1	

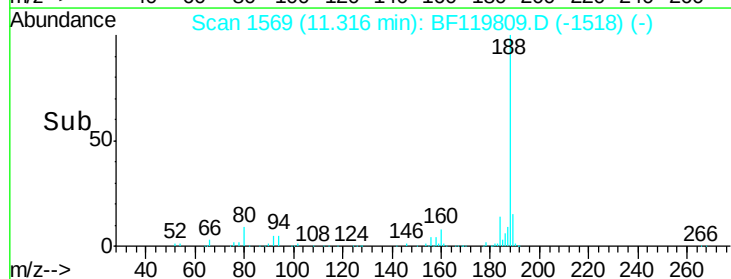
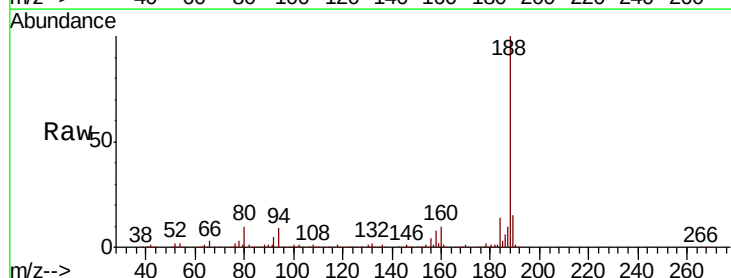
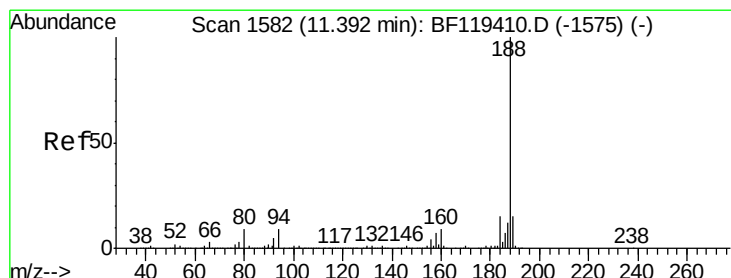
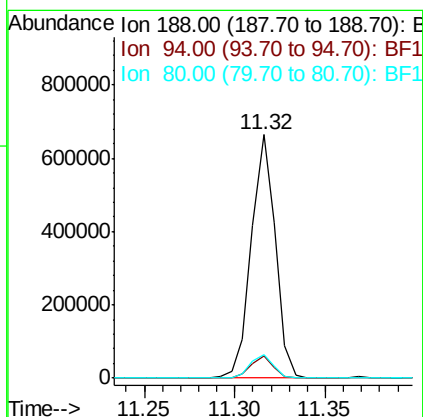
Manual Integrations
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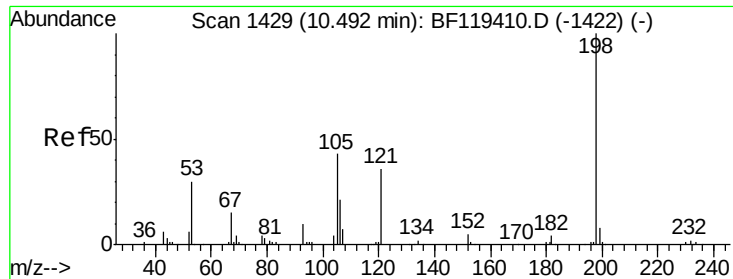
mohammad
4/8/2020 8:12:41 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.9	7.5	11.3	
80	9.5	9.0	13.4	





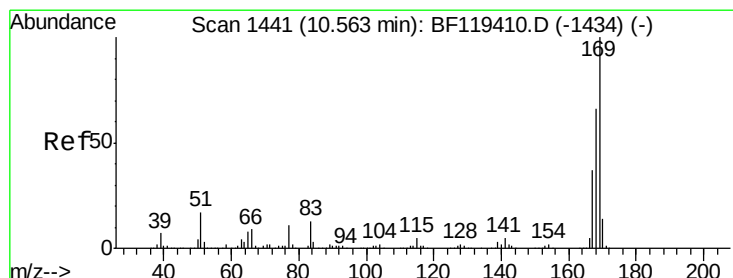
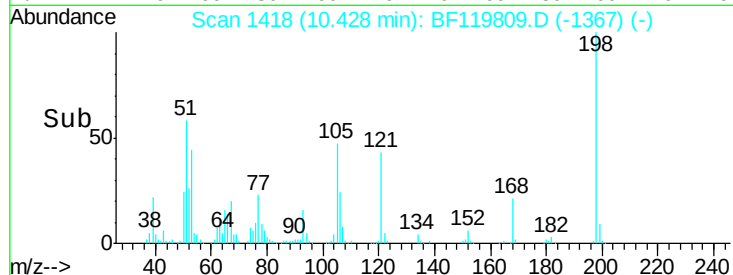
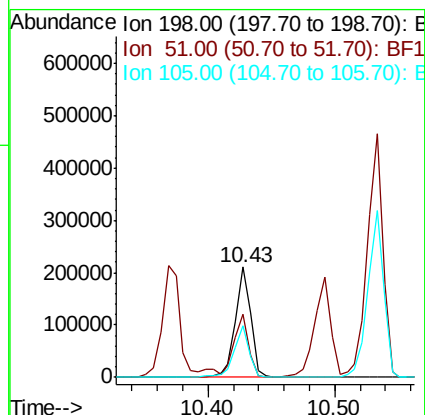
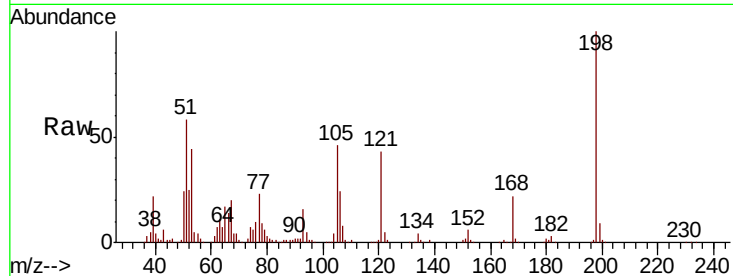
#65
4,6-Dinitro-2-methylphenol
Concen: 68.551 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	175784		
51	57.7	29.0	69.0	
105	46.4	22.2	62.2	

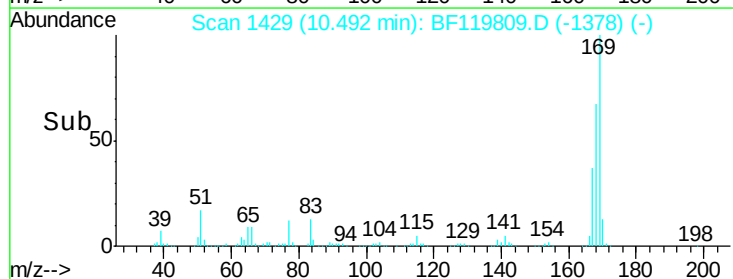
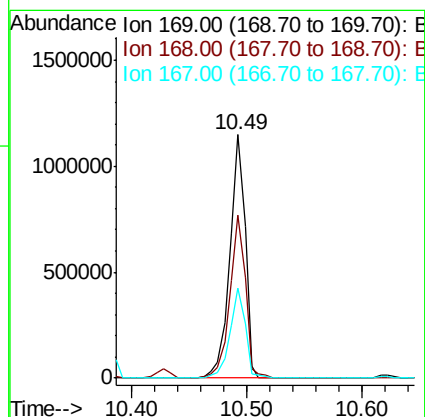
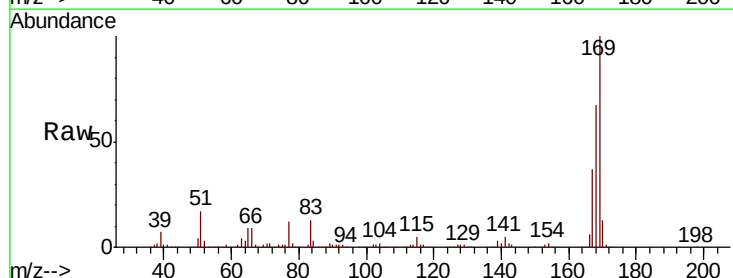
Manual Integrations
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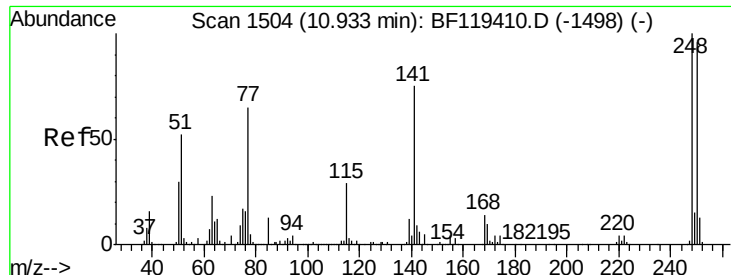
mohammad
4/8/2020 8:12:41 AM



#66
n-Nitrosodiphenylamine
Concen: 52.629 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1056545		
168	67.1	53.2	79.8	
167	36.8	29.1	43.7	





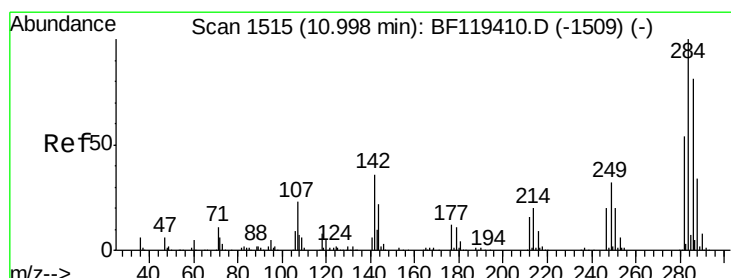
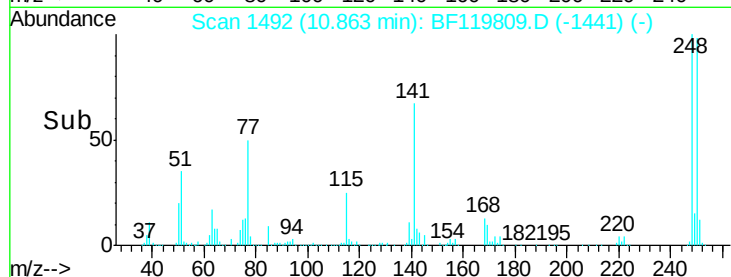
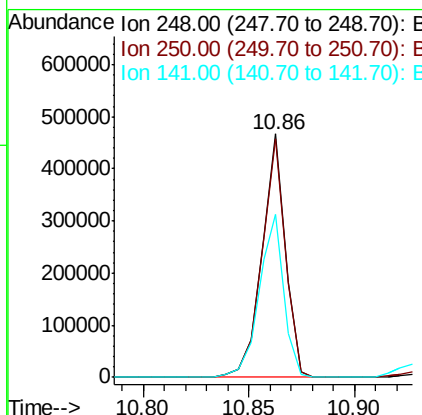
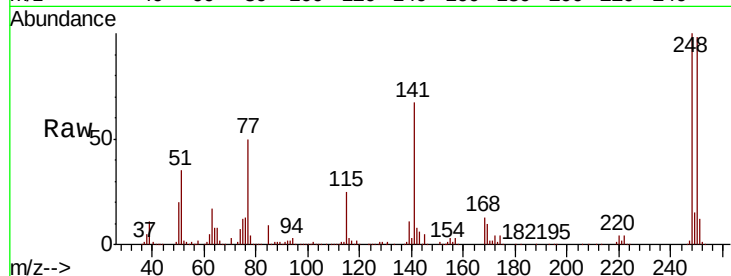
#67
 4-Bromophenyl-phenylether
 Concen: 51.997 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.3	115.9
141	67.2	58.6	87.8

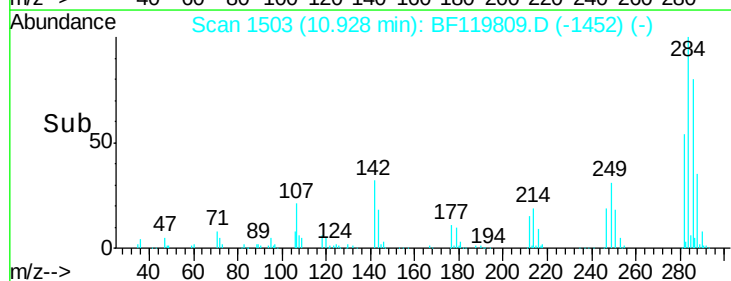
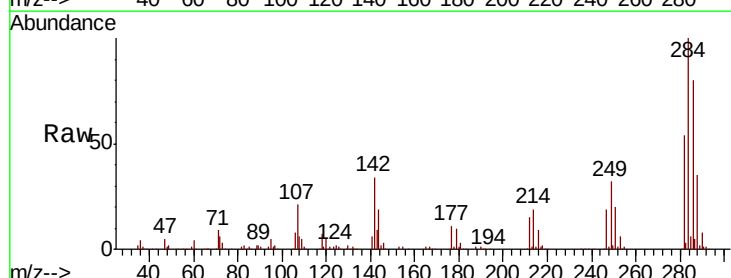
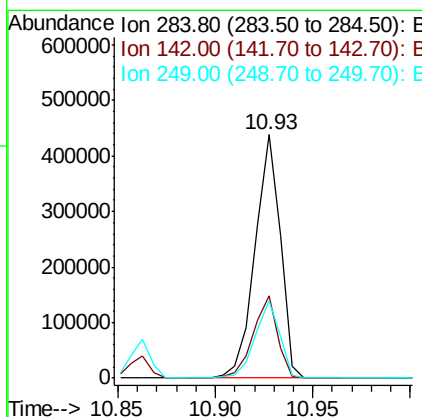
Manual Integrations
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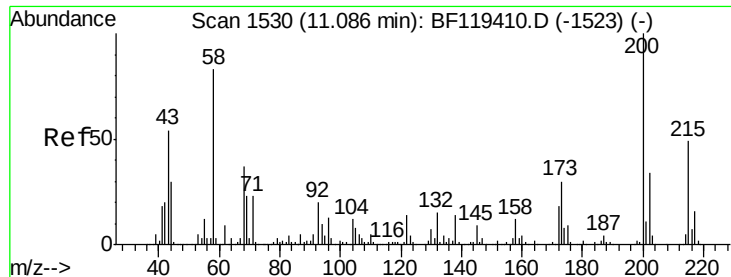
mohammad
 4/8/2020 8:12:41 AM



#68
 Hexachlorobenzene
 Concen: 55.133 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.2	43.8
249	31.6	25.1	37.7





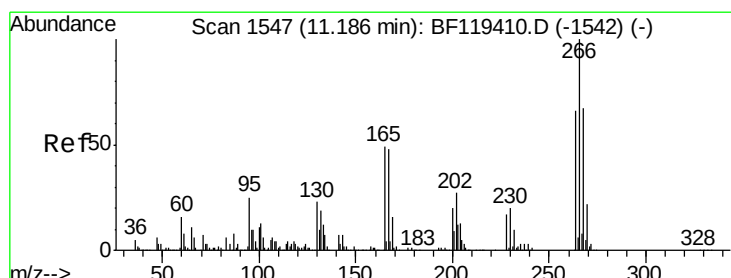
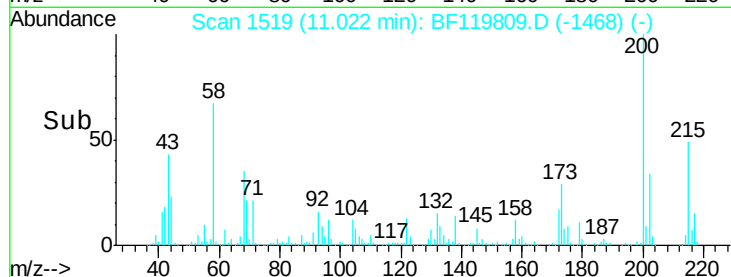
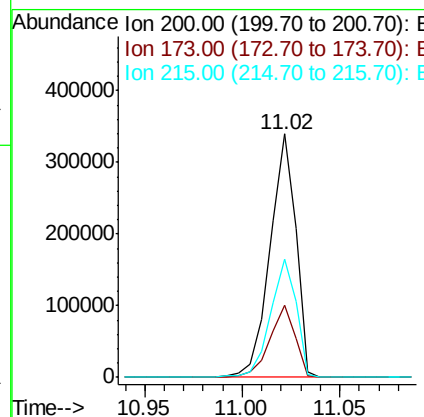
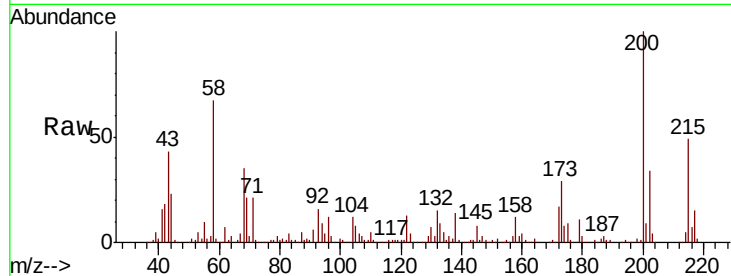
#69
 Atrazine
 Concen: 56.697 ng
 RT: 11.02 min Scan# 1519
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	312042		
173	29.4	9.3	49.3	
215	48.5	29.5	69.5	

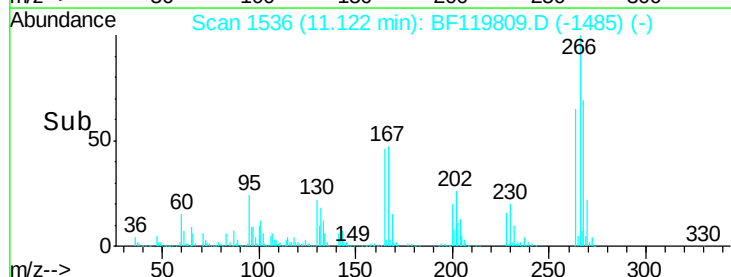
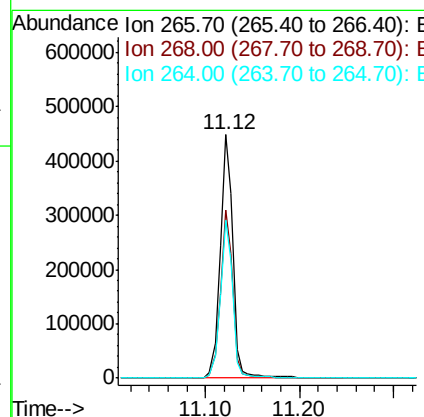
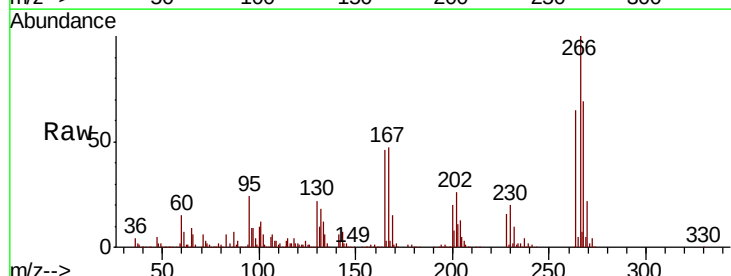
Manual Integrations
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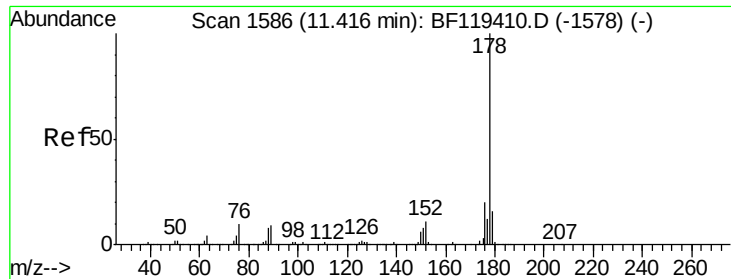
mohammad
 4/8/2020 8:12:41 AM



#70
 Pentachlorophenol
 Concen: 102.733 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	429376		
268	69.0	53.3	79.9	
264	65.1	49.0	73.4	





#71

Phenanthrene

Concen: 52.443 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:178 Resp: 1662918

Ion Ratio Lower Upper

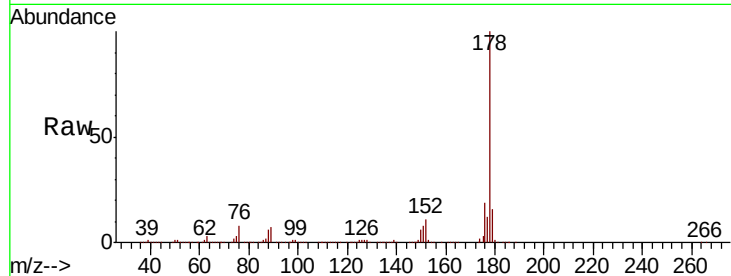
178 100

176 19.4 16.2 24.4

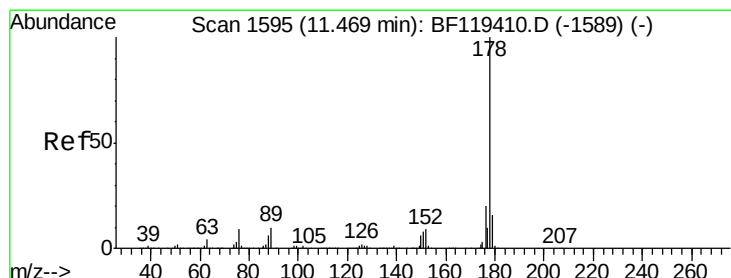
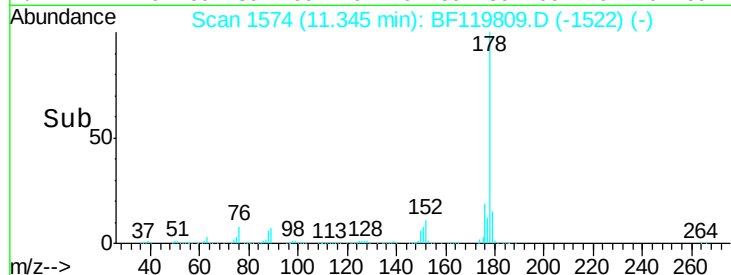
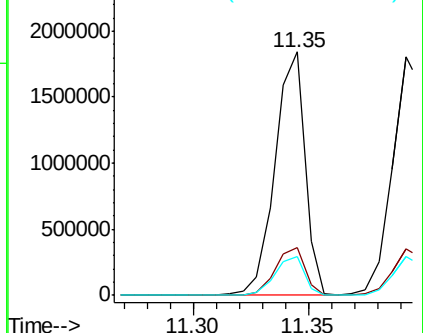
179 15.8 13.2 19.8

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mohammad
4/8/2020 8:12:41 AM



Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 53.729 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:178 Resp: 1731549

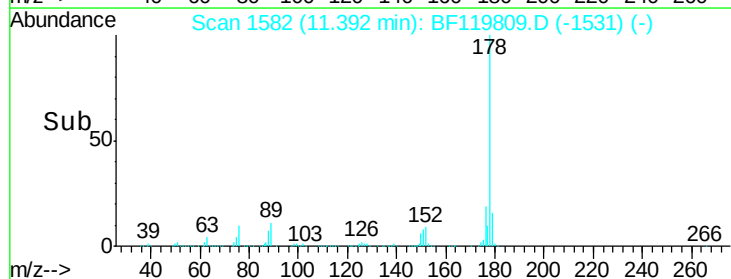
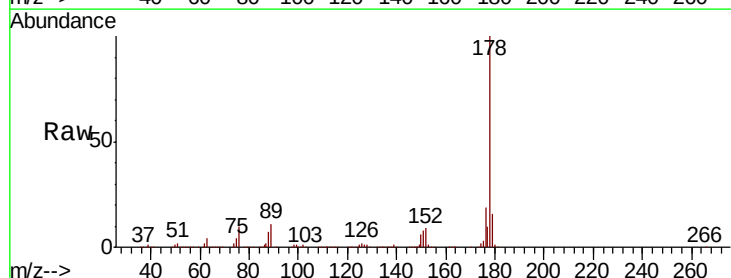
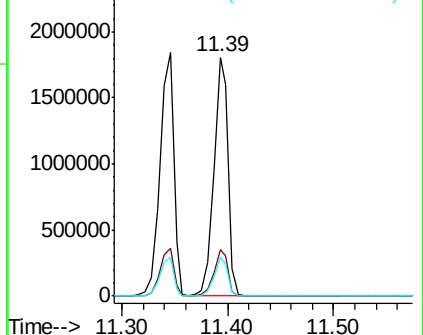
Ion Ratio Lower Upper

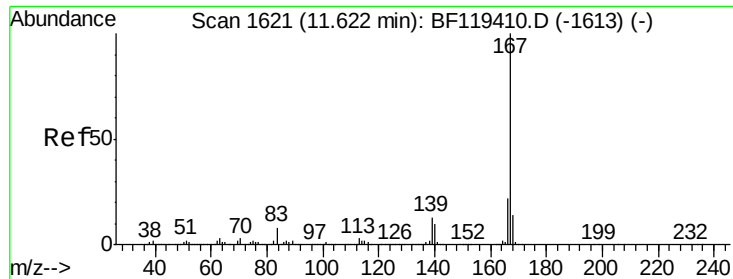
178 100

176 19.2 16.1 24.1

179 16.4 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





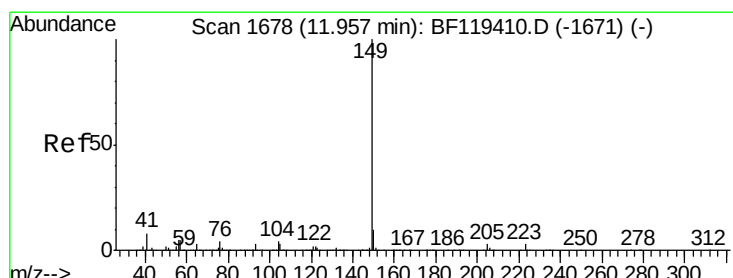
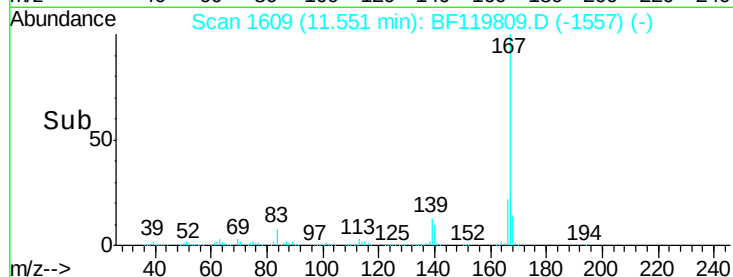
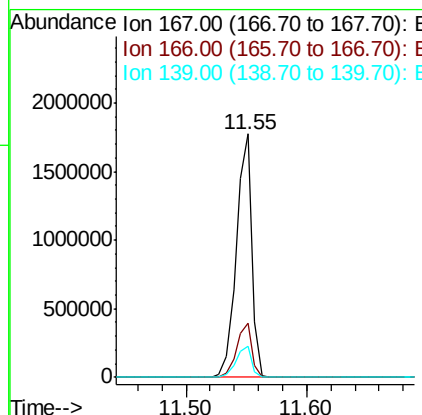
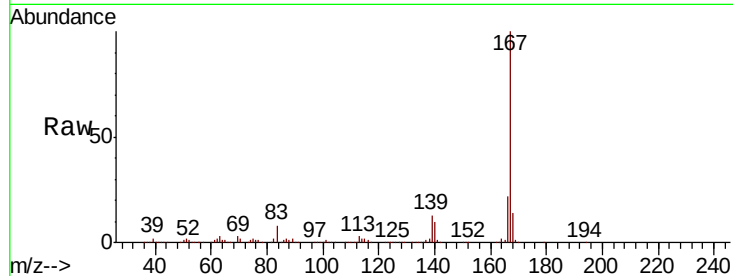
#73
 Carbazole
 Concen: 49.608 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion:167 Resp: 1582443
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.4
 139 12.8 10.7 16.1

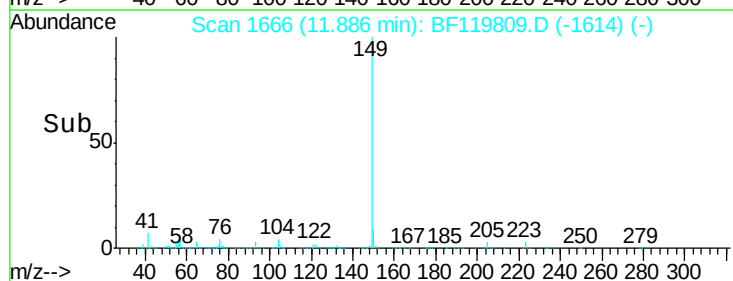
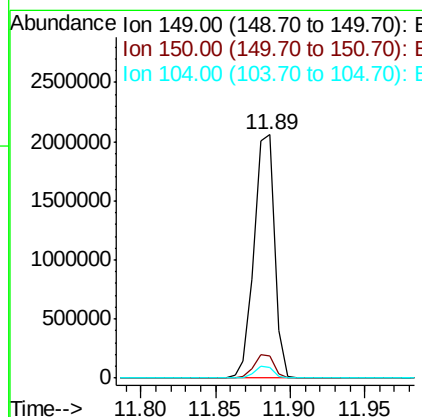
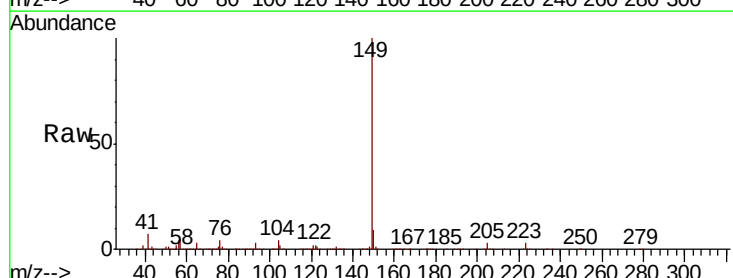
Manual Integrations
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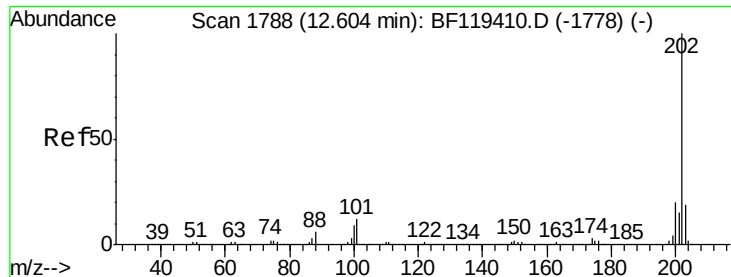
mohammad
 4/8/2020 8:12:41 AM



#74
 Di-n-butylphthalate
 Concen: 56.916 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion:149 Resp: 1942149
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.8 11.8
 104 4.2 3.6 5.4





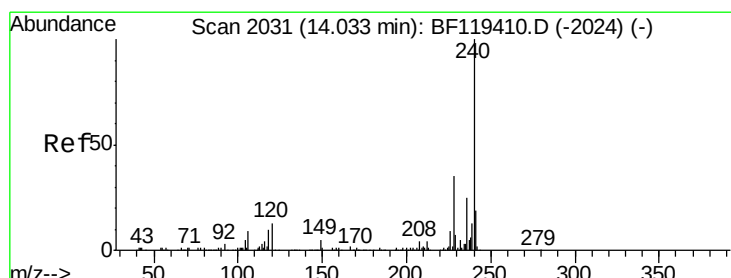
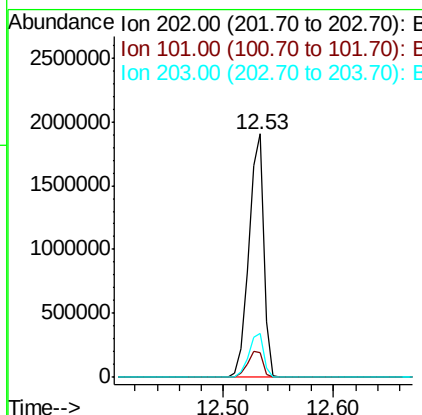
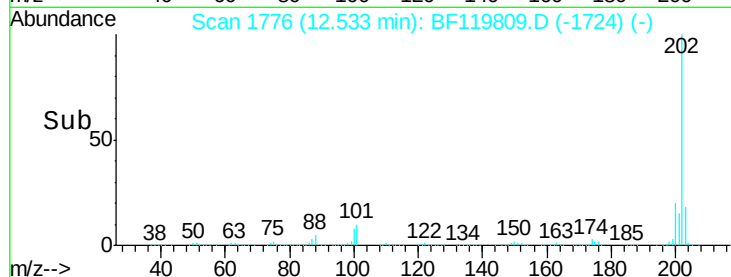
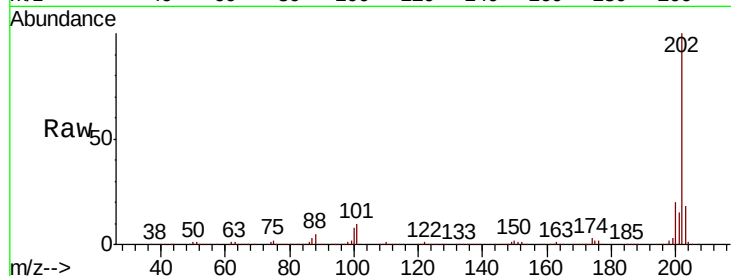
#75
 Fluoranthene
 Concen: 52.631 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.2
203	18.3	0.0	38.8

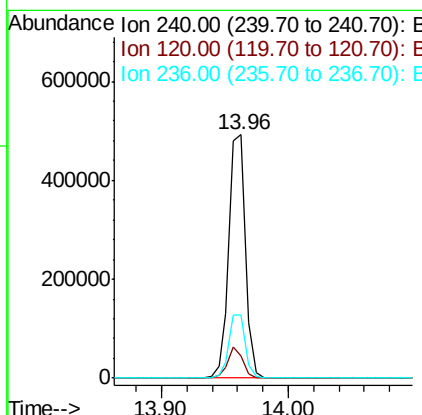
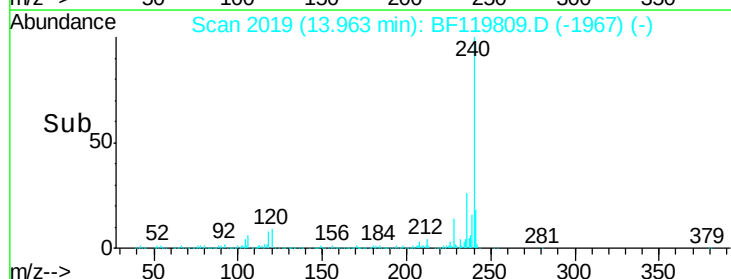
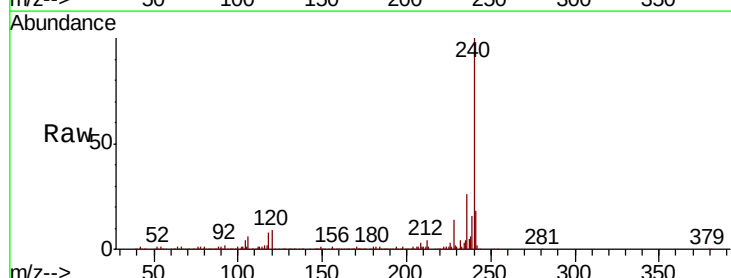
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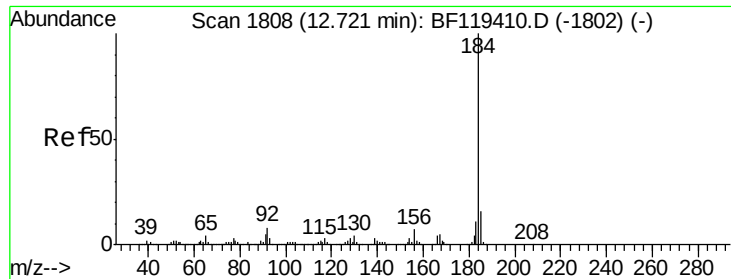
mohammad
 4/8/2020 8:12:41 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	10.6	15.8#
236	25.7	20.2	30.2





#77

Benzidine

Concen: 36.289 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

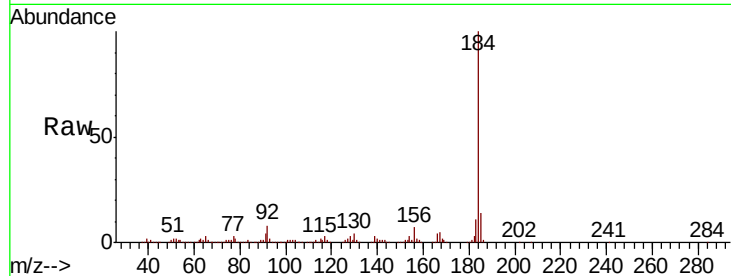
ClientSampleId :

SB-2E-(7-9)MSD

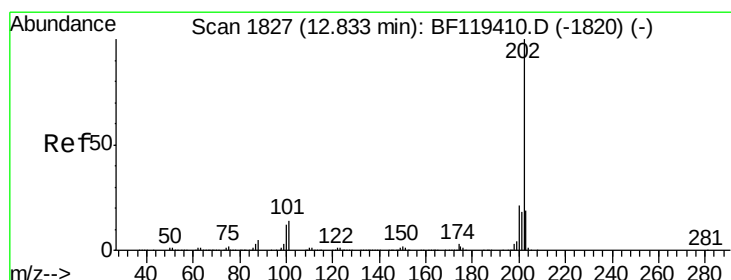
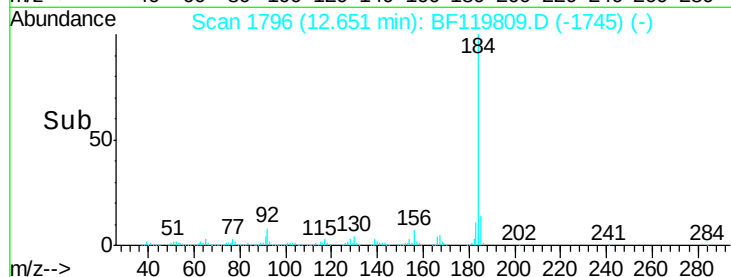
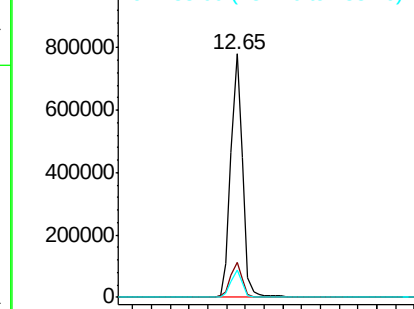
Tot Ion:	184	Resp:	682909
Ion Ratio	Lower	Upper	
184	100		
185	14.3	12.3	18.5
183	11.2	9.0	13.6

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



#78

Pyrene

Concen: 50.379 ng

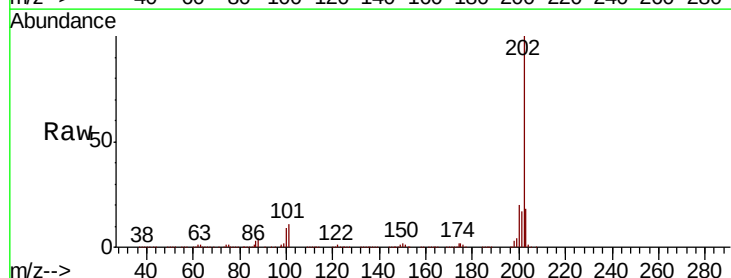
RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

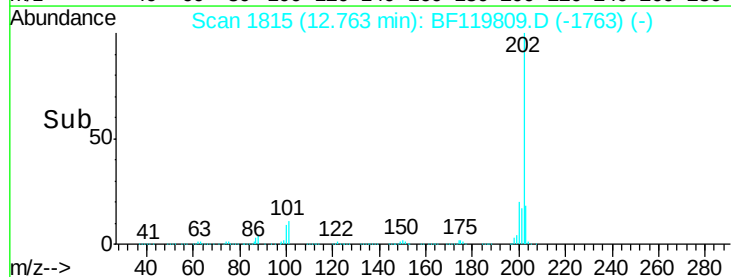
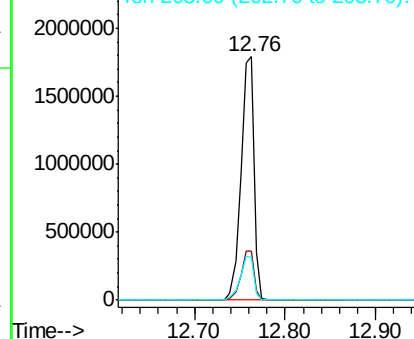
Lab File: BF119809.D

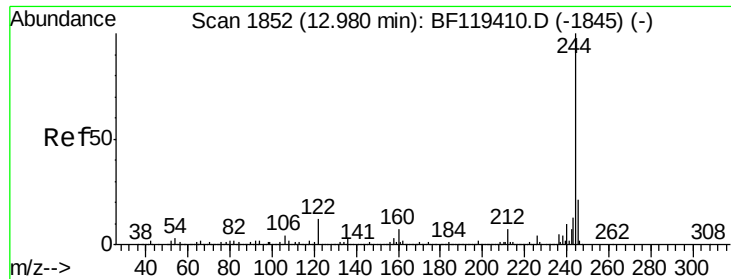
Acq: 7 Apr 2020 8:59

Tgt Ion:	202	Resp:	1838500
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.8	25.2
203	17.5	15.1	22.7



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





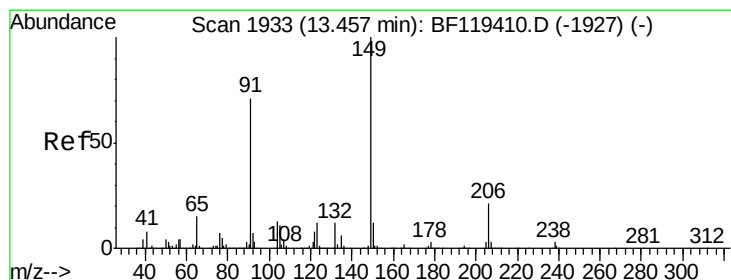
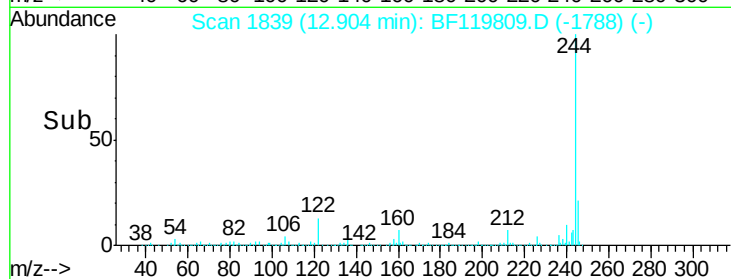
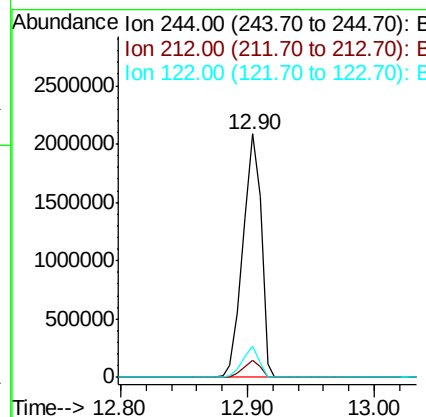
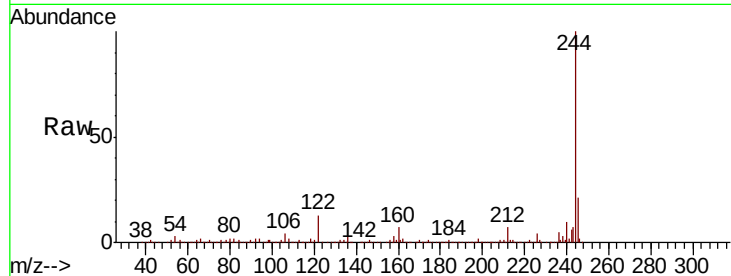
#79
 Terphenyl-d14
 Concen: 90.396 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	12.7	10.3	15.5

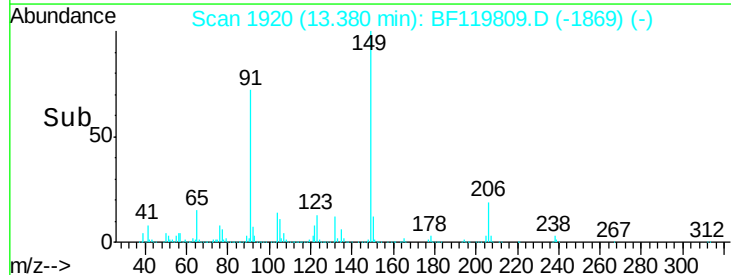
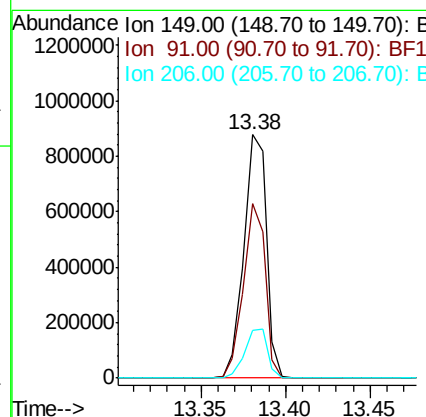
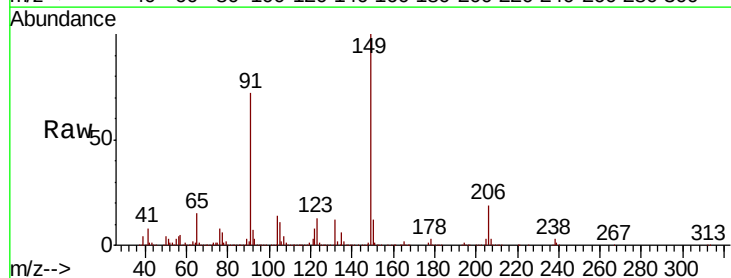
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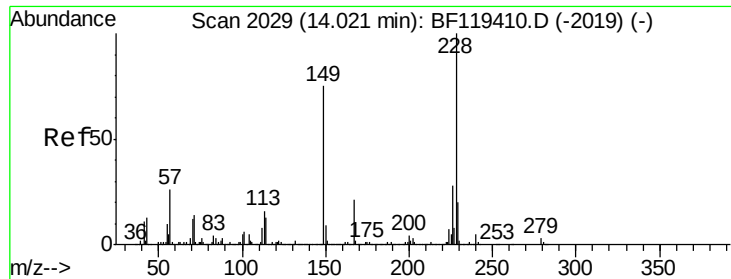
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#80
 Butylbenzylphthalate
 Concen: 55.567 ng
 RT: 13.38 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.8	54.7	82.1
206	19.5	16.2	24.2





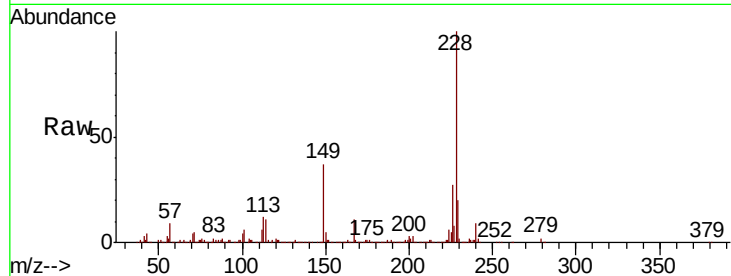
#81
Benzo(a)anthracene
Concen: 51.666 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	20.3	16.2	24.4

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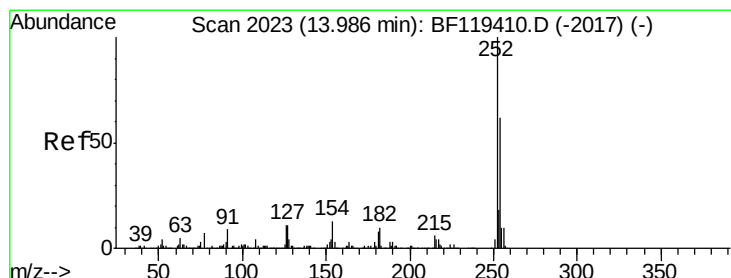
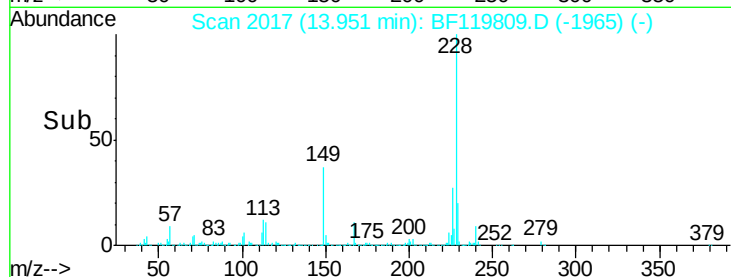
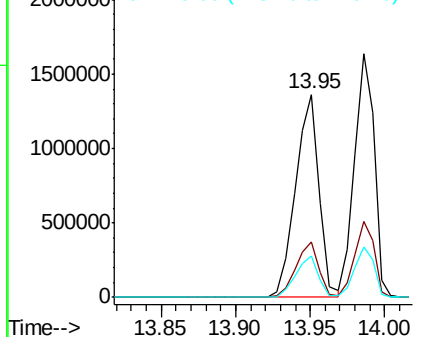


Abundance

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: 31.634 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

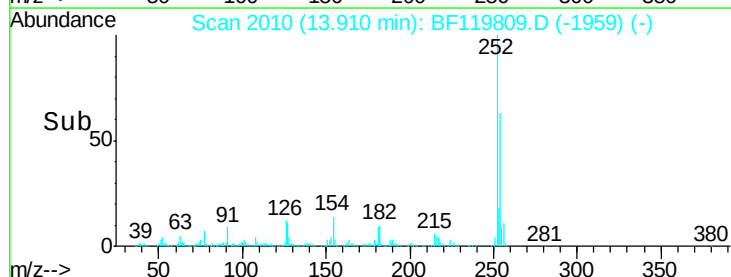
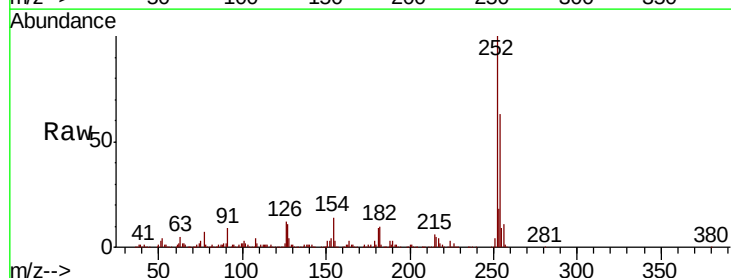
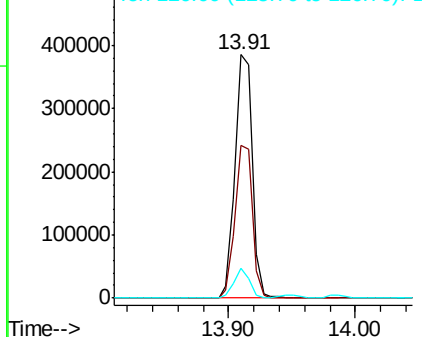
Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.5	51.2	76.8
126	12.1	9.6	14.4

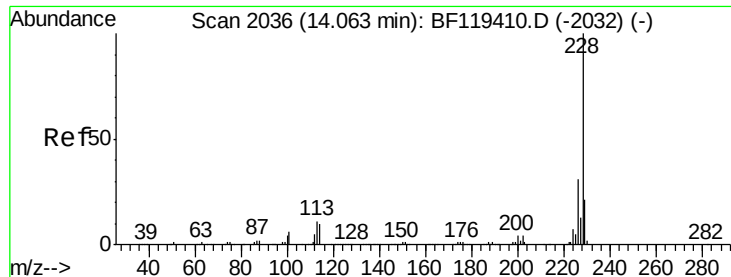
Abundance

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





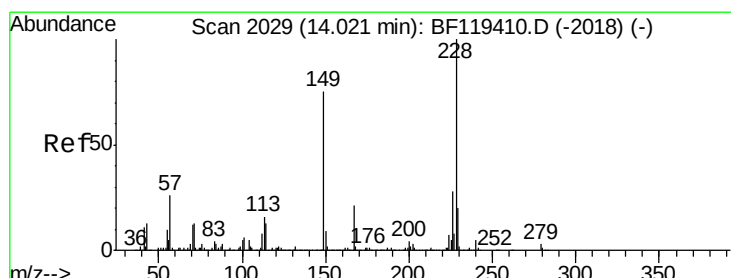
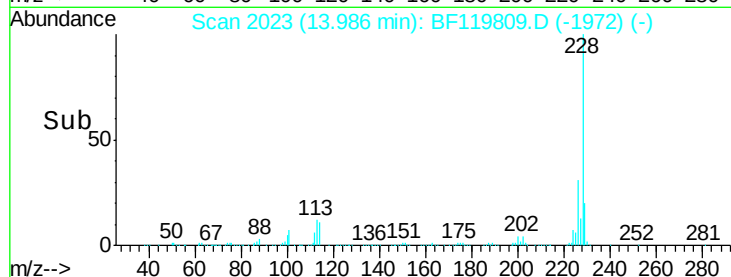
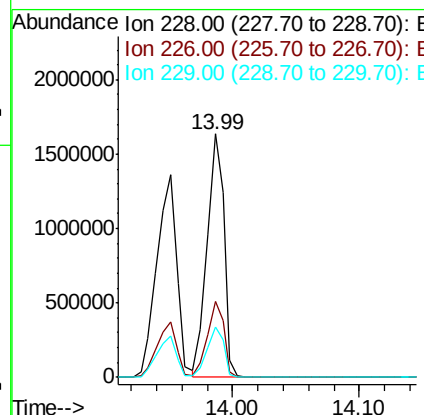
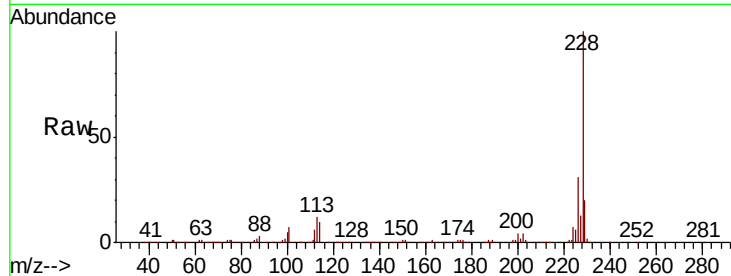
#83
 Chrysene
 Concen: 50.683 ng
 RT: 13.99 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2E-(7-9)MSD

Tot Ion:228 Resp: 1512494
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.4 38.0
 229 20.4 16.6 24.8

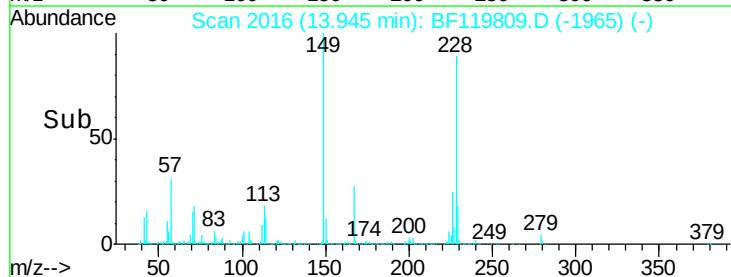
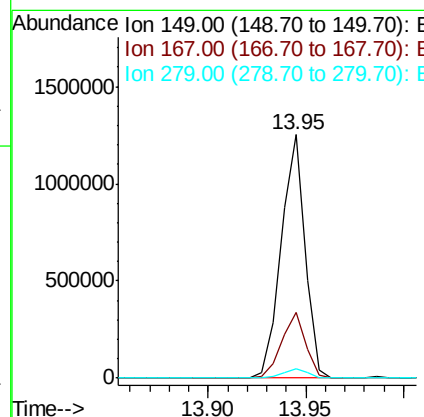
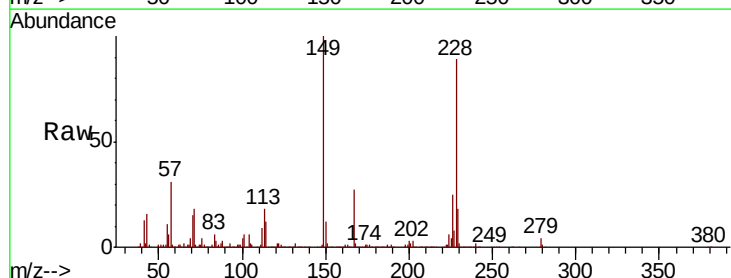
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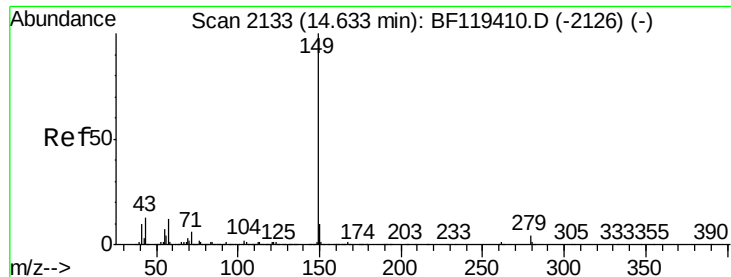
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 60.077 ng
 RT: 13.95 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF119809.D
 Acq: 7 Apr 2020 8:59

Tgt Ion:149 Resp: 1057064
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.3 31.9
 279 3.9 2.7 4.1





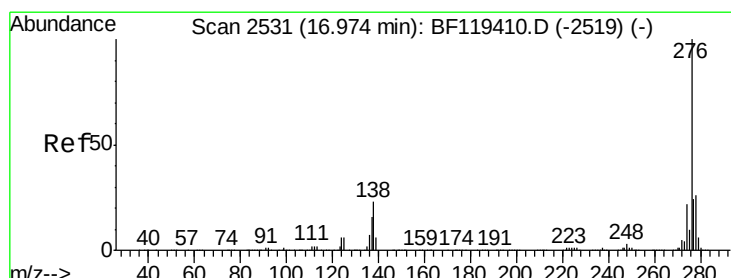
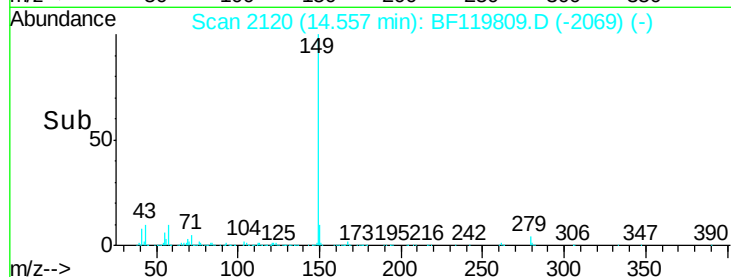
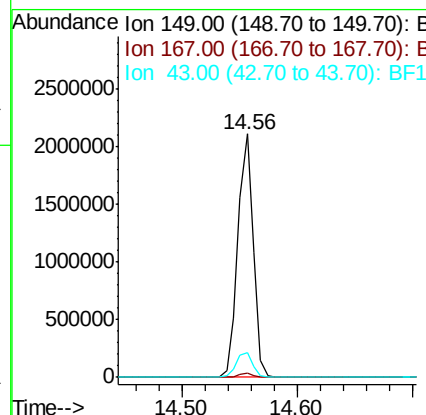
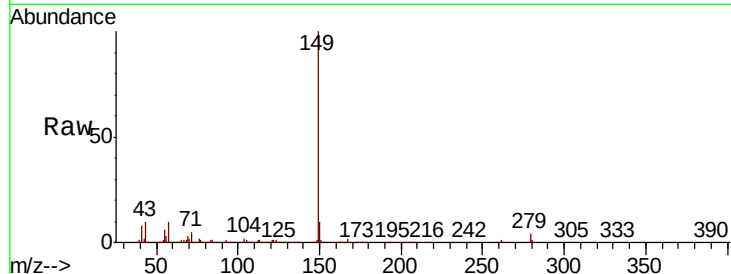
#85
Di-n-octyl phthalate
Concen: 62.834 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Instrument :
BNA_F
ClientSampleId :
SB-2E-(7-9)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	9.3	13.9

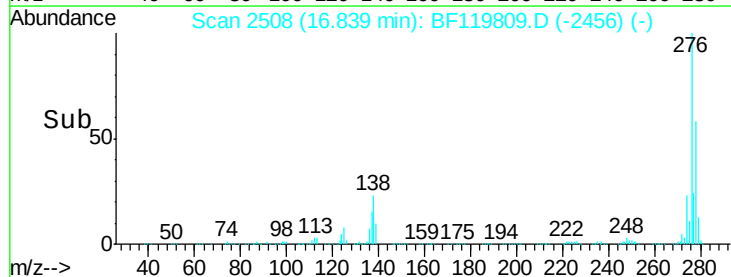
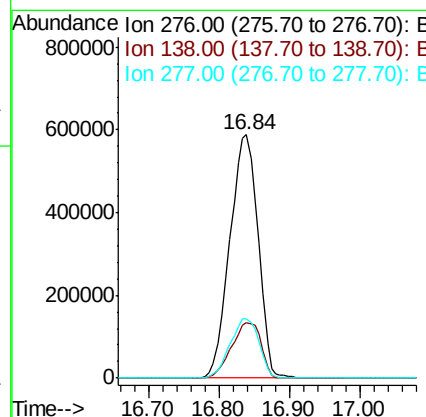
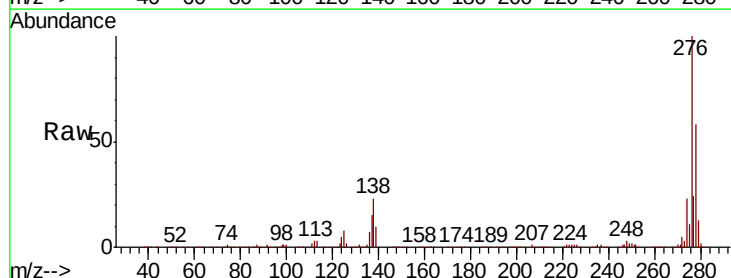
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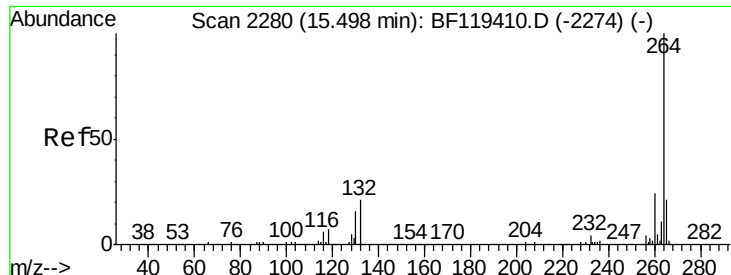
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 58.230 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BF119809.D
Acq: 7 Apr 2020 8:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.6	29.4
277	25.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

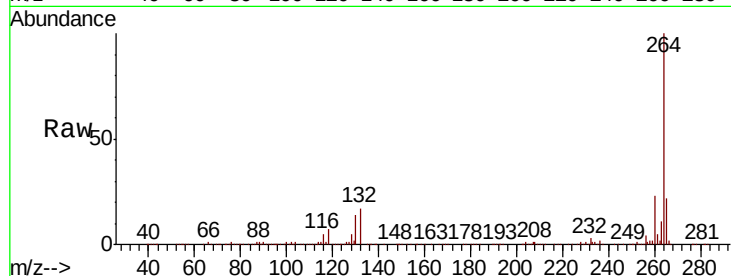
ClientSampled :

SB-2E-(7-9)MSD

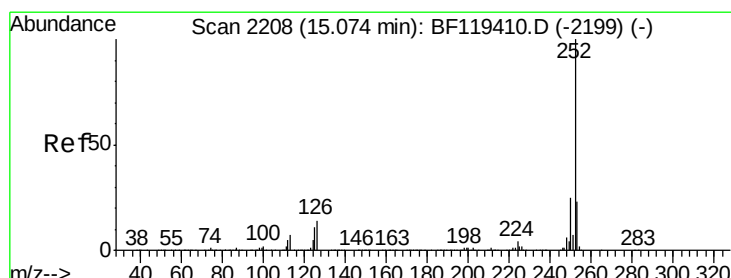
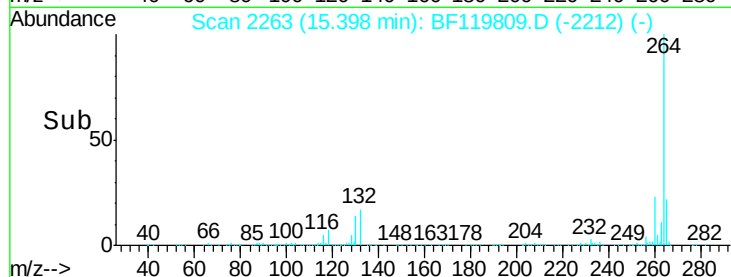
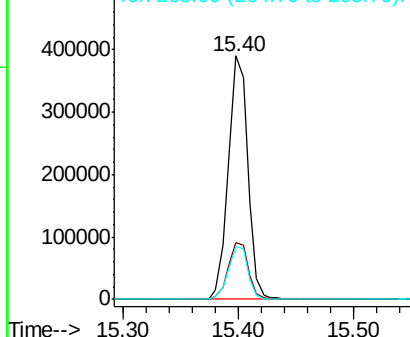
Tot Ion:	264	Resp:	457537
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.7	28.1
265	21.6	17.7	26.5

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 55.879 ng

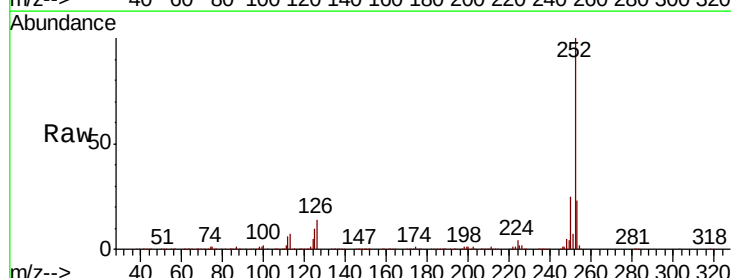
RT: 14.99 min Scan# 2193

Delta R.T. 0.00 min

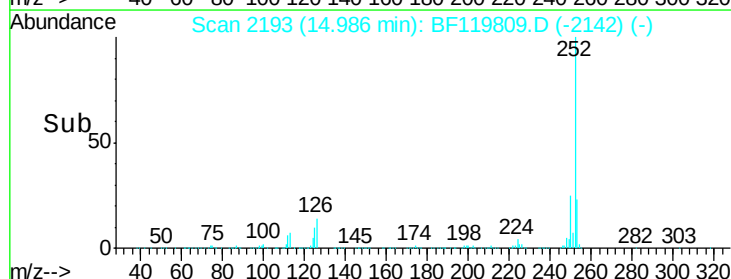
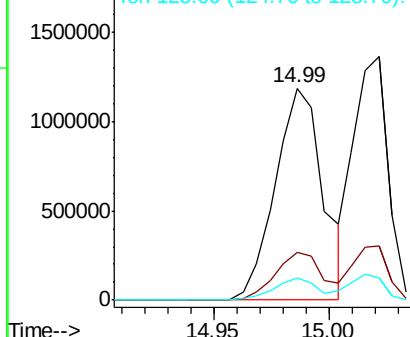
Lab File: BF119809.D

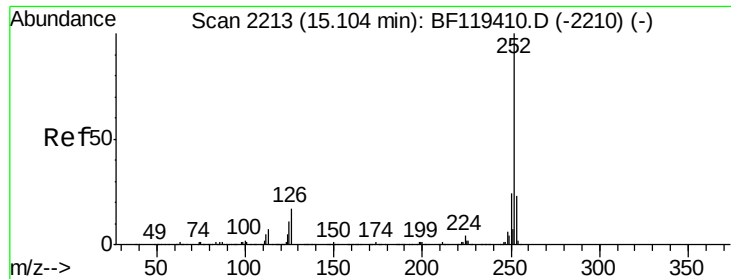
Acq: 7 Apr 2020 8:59

Tgt Ion:	252	Resp:	1707840
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	10.2	7.9	11.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 48.978 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

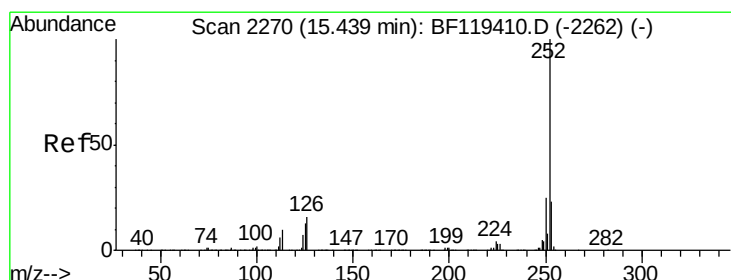
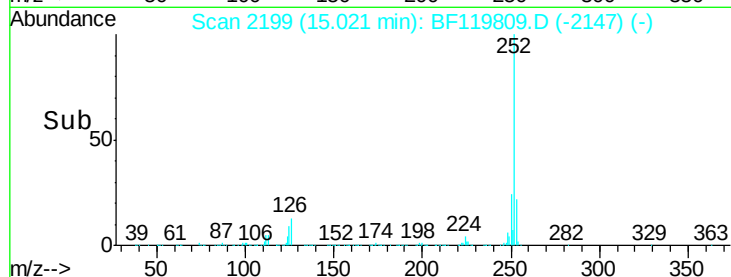
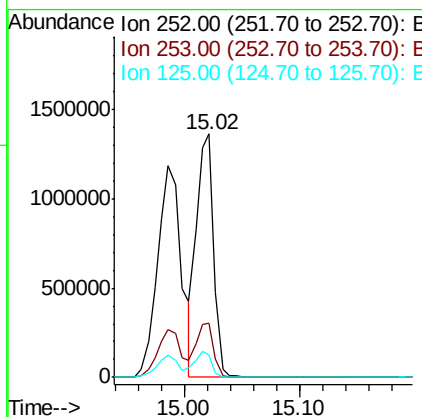
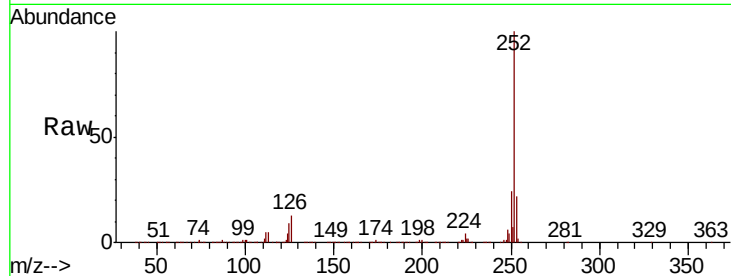
ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:	252	Resp:	1425401
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.2	8.4	12.6

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#90

Benzo(a)pyrene

Concen: 52.059 ng

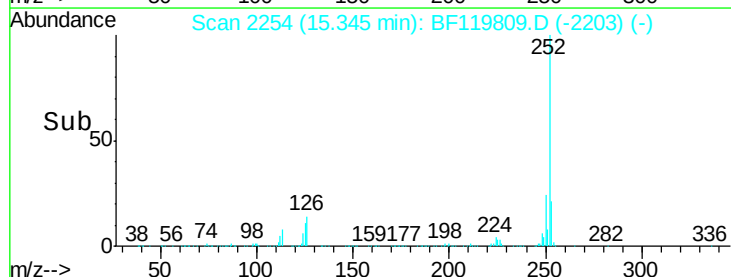
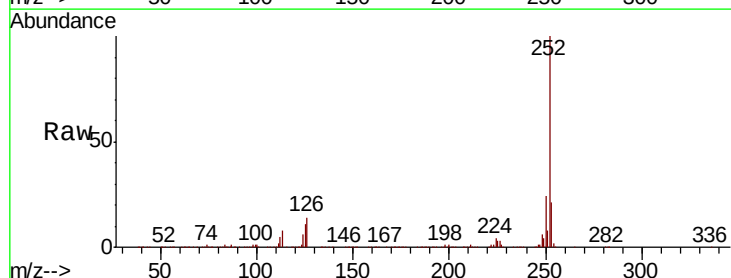
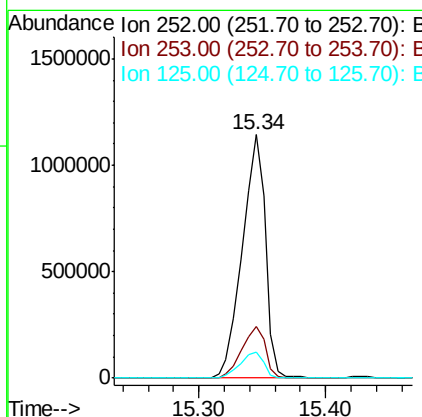
RT: 15.34 min Scan# 2254

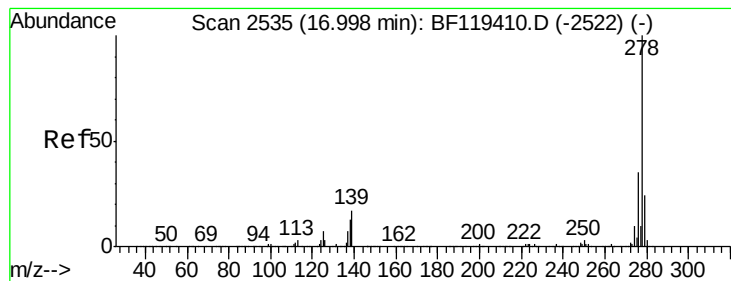
Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Tgt Ion:	252	Resp:	1445962
Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	10.9	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 55.873 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA_F

ClientSampleId :

SB-2E-(7-9)MSD

Tot Ion:278 Resp: 1357400

Ion Ratio Lower Upper

278 100

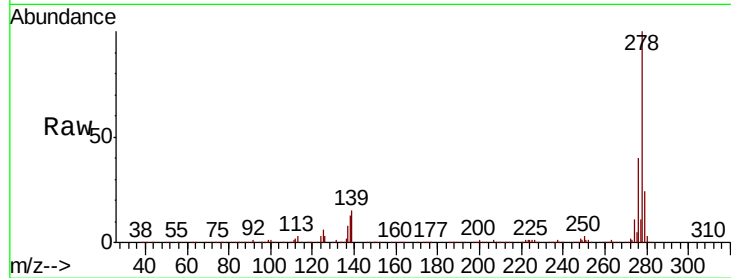
139 15.0 12.6 19.0

279 24.0 19.0 28.6

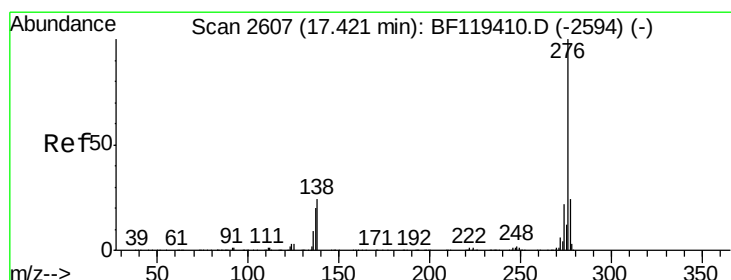
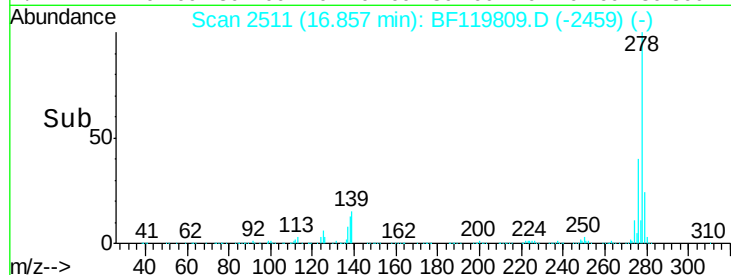
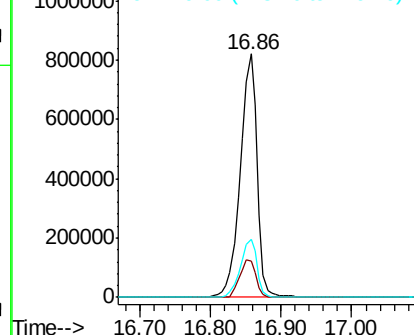
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 55.025 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

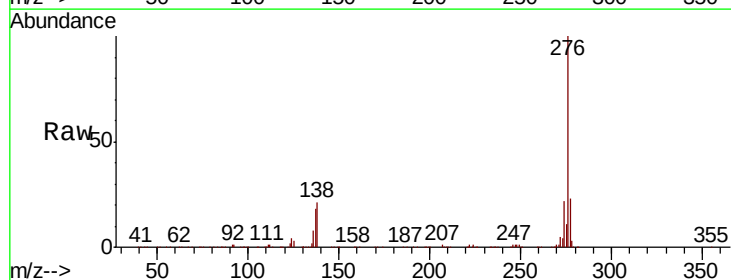
Tgt Ion:276 Resp: 1342998

Ion Ratio Lower Upper

276 100

277 23.5 18.4 27.6

138 20.5 15.4 23.0



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

