

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118396.D
 Acq On : 30 Dec 2019 22:20
 Operator : JU
 Sample : K6439-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

Quant Time: Dec 31 00:42:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	149155	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	598601	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	306952	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	491416	20.00	ng	0.00
76) Chrysene-d12	14.06	240	314487	20.00	ng	0.00
87) Perylene-d12	15.54	264	292881	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	753232	86.20	ng	0.02
7) Phenol-d6	6.50	99	960962	88.65	ng	0.01
23) Nitrobenzene-d5	7.42	82	572717	54.72	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	280782	74.07	ng	0.01
45) 2-Fluorobiphenyl	9.22	172	1204793	59.91	ng	0.00
79) Terphenyl-d14	12.99	244	1079807	56.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	98078	28.235	ng	98
3) Pyridine	3.41	79	232141	25.084	ng	99
4) n-Nitrosodimethylamine	3.36	42	115848	30.277	ng	94
6) Aniline	6.52	93	259420	18.847	ng	# 76
8) 2-Chlorophenol	6.65	128	337274	34.081	ng	99
9) Benzaldehyde	6.40	77	185035	29.116	ng	96
10) Phenol	6.51	94	392765	32.238	ng	92
11) bis(2-Chloroethyl)ether	6.59	93	287026	32.942	ng	98
12) 1,3-Dichlorobenzene	6.79	146	362652	31.819	ng	99
13) 1,4-Dichlorobenzene	6.87	146	367630	31.756	ng	98
14) 1,2-Dichlorobenzene	7.03	146	350837	32.099	ng	97
15) Benzyl Alcohol	7.00	79	270298	32.751	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	294748	31.702	ng	80
17) 2-Methylphenol	7.12	107	263527	33.201	ng	96
18) Hexachloroethane	7.36	117	122030	28.721	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	214039	32.053	ng	98
20) 3+4-Methylphenols	7.27	107	335405	33.016	ng	97
22) Acetophenone	7.26	105	447300	30.489	ng	# 98
24) Nitrobenzene	7.44	77	324378	30.940	ng	98
25) Isophorone	7.68	82	584442	32.042	ng	99
26) 2-Nitrophenol	7.76	139	176854	31.848	ng	97
27) 2,4-Dimethylphenol	7.80	122	278755	36.792	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	373682	31.326	ng	99
29) 2,4-Dichlorophenol	8.00	162	280739	32.193	ng	97
30) 1,2,4-Trichlorobenzene	8.08	180	313271	30.838	ng	97
31) Naphthalene	8.16	128	970728	31.906	ng	100
32) Benzoic acid	7.93	122	148052	26.081	ng	97
33) 4-Chloroaniline	8.22	127	120385	9.230	ng	98
34) Hexachlorobutadiene	8.27	225	183460	30.339	ng	99
35) Caprolactam	8.59	113	88931	32.664	ng	95
36) 4-Chloro-3-methylphenol	8.71	107	295555	31.567	ng	99
37) 2-Methylnaphthalene	8.86	142	676904	32.496	ng	100
38) 1-Methylnaphthalene	8.96	142	627530	31.975	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	293377	31.811	ng	99

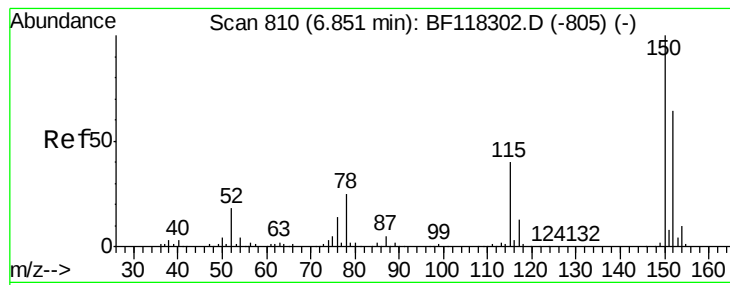
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	42066	18.648	nq	97
43) 2,4,6-Trichlorophenol	9.15	196	193923	31.474	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	205370	32.402	nq	97
46) 1,1'-Biphenyl	9.32	154	786162	32.382	nq	99
47) 2-Chloronaphthalene	9.35	162	606141	31.021	nq	98
48) 2-Nitroaniline	9.45	65	163403	29.607	nq	92
49) Acenaphthylene	9.77	152	936164	32.304	nq	99
50) Dimethylphthalate	9.62	163	815438	35.391	nq	100
51) 2,6-Dinitrotoluene	9.69	165	153869	30.975	nq	94
52) Acenaphthene	9.94	154	543525	30.791	nq	100
53) 3-Nitroaniline	9.86	138	89379	15.330	nq	92
54) 2,4-Dinitrophenol	9.99	184	27256	15.361	nq	97
55) Dibenzofuran	10.11	168	816022	31.287	nq	97
56) 4-Nitrophenol	10.04	139	198117	55.043	nq	96
57) 2,4-Dinitrotoluene	10.10	165	198846	29.958	nq	93
58) Fluorene	10.46	166	635285	30.173	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	159614	29.638	nq	98
60) Diethylphthalate	10.32	149	739616	32.447	nq	98
61) 4-Chlorophenyl-phenylether	10.45	204	331247	31.515	nq	94
62) 4-Nitroaniline	10.48	138	134682	22.236	nq	99
63) Azobenzene	10.60	77	602967	30.882	nq	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	29128	10.988	nq	86
66) n-Nitrosodiphenylamine	10.56	169	576037	36.574	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	197109	34.274	nq	94
68) Hexachlorobenzene	11.01	284	210736	31.131	nq	97
69) Atrazine	11.10	200	194156	39.942	nq	98
70) Pentachlorophenol	11.21	266	154225	52.606	nq	99
71) Phenanthrene	11.42	178	841303	31.404	nq	100
72) Anthracene	11.47	178	878317	32.755	nq	99
73) Carbazole	11.63	167	724121	30.433	nq	99
74) Di-n-butylphthalate	11.95	149	1103910	36.590	nq	100
75) Fluoranthene	12.62	202	756343	27.975	nq	99
77) Benzidine	12.74	184	553641	64.249	nq	98
78) Pyrene	12.85	202	748420	29.143	nq	100
80) Butylbenzylphthalate	13.46	149	383119	33.133	nq	96
81) Benzo(a)anthracene	14.04	228	692135	31.442	nq	98
82) 3,3'-Dichlorobenzidine	14.00	252	273926	36.701	nq	98
83) Chrysene	14.08	228	661553	31.386	nq	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	577682	37.993	nq	98
85) Di-n-octyl phthalate	14.63	149	964092	43.106	nq	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	501171	27.905	nq	100
88) Benzo(b)fluoranthene	15.11	252	609679	31.360	nq	98
89) Benzo(k)fluoranthene	15.14	252	630360	33.768	nq	100
90) Benzo(a)pyrene	15.49	252	529422	30.913	nq	98
91) Dibenzo(a,h)anthracene	17.07	278	440023	29.607	nq	98
92) Benzo(g,h,i)perylene	17.53	276	390297	27.186	nq	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

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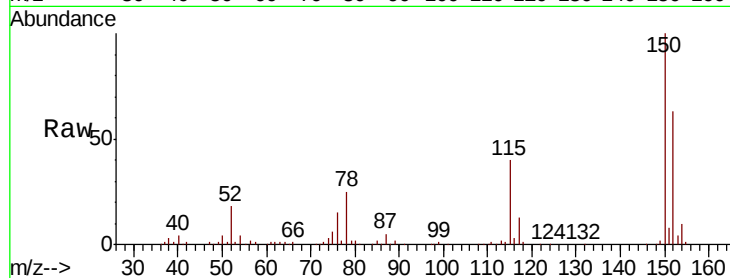
Tot Ion:152 Resp: 149155

Ion Ratio Lower Upper

152 100

150 158.0 125.4 188.2

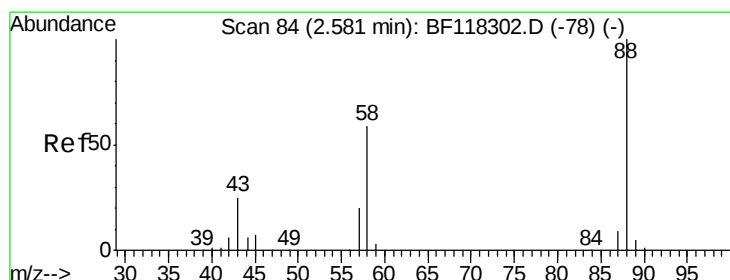
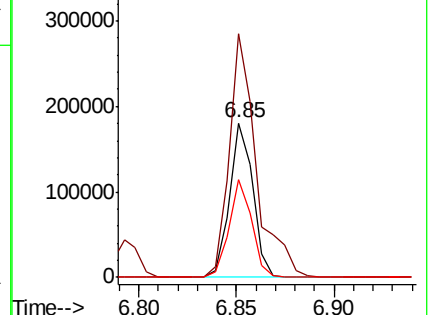
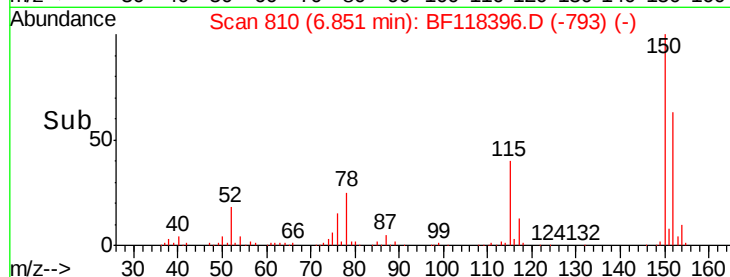
115 63.2 50.2 75.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 28.235 ng

RT: 2.65 min Scan# 96

Delta R.T. 0.07 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

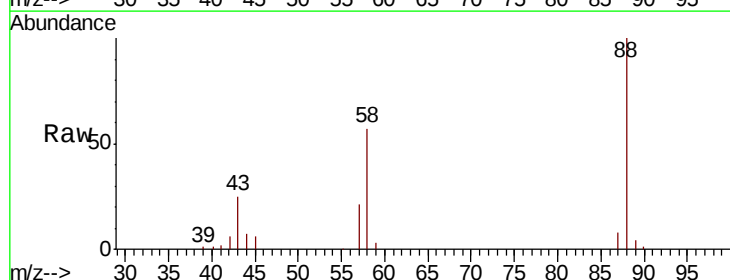
Tgt Ion: 88 Resp: 98078

Ion Ratio Lower Upper

88 100

58 59.4 47.6 71.4

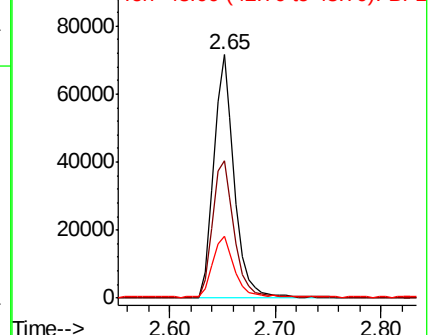
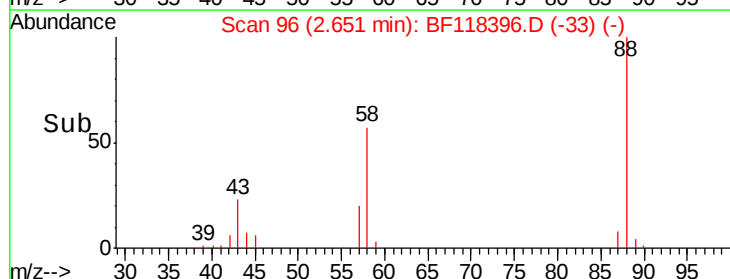
43 28.3 20.6 30.8

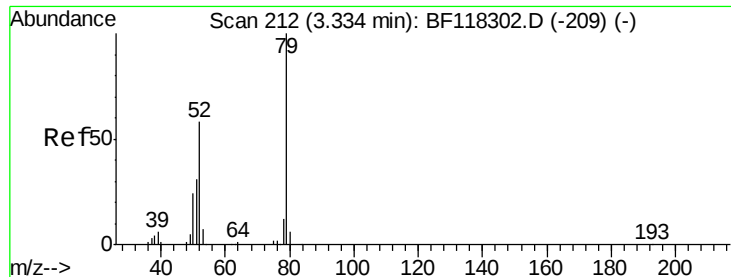


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 25.084 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.08 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

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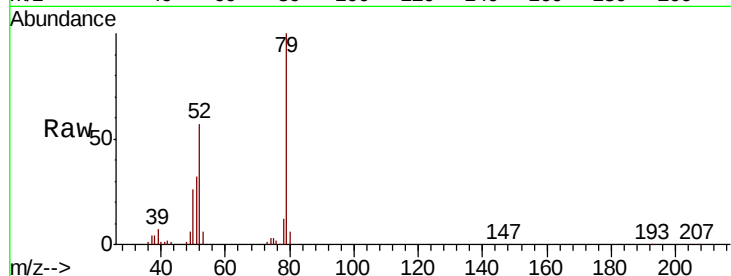
Tot Ion: 79 Resp: 232141

Ion Ratio Lower Upper

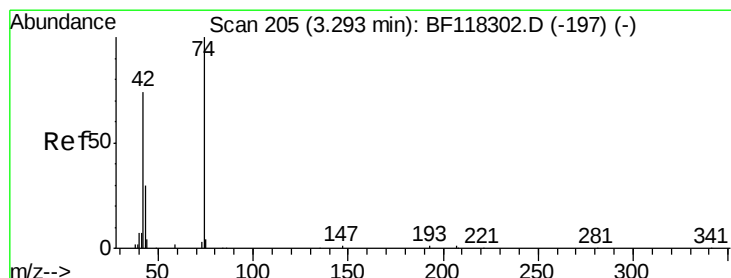
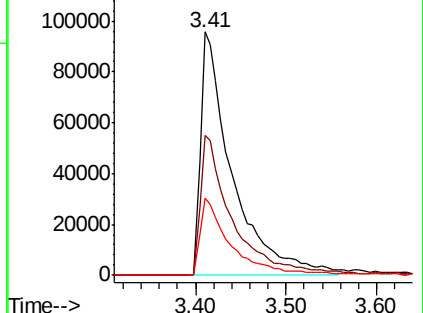
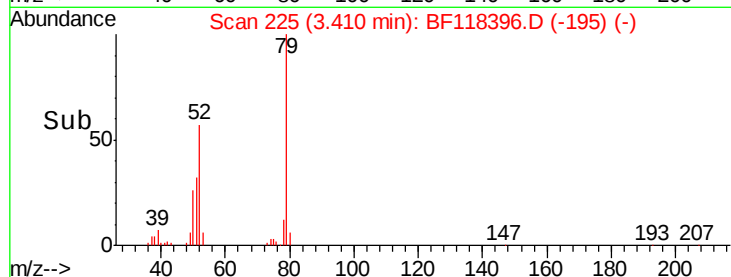
79 100

52 57.4 46.4 69.6

51 31.8 24.9 37.3



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 30.277 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.07 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

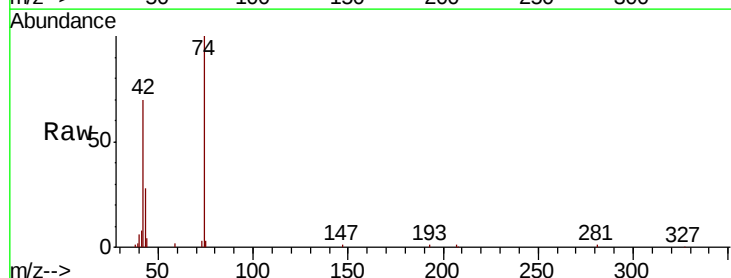
Tgt Ion: 42 Resp: 115848

Ion Ratio Lower Upper

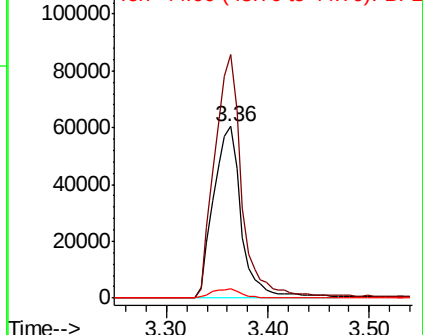
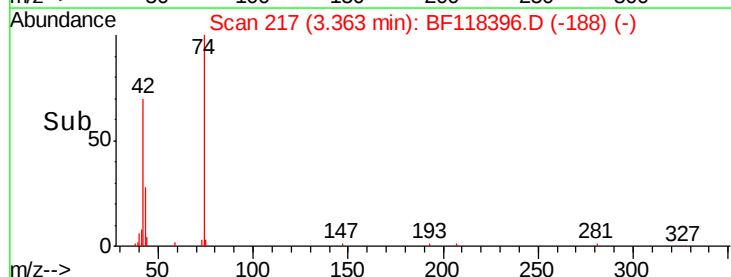
42 100

74 142.1 107.7 161.5

44 5.7 4.8 7.2



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 86.203 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF118396.D

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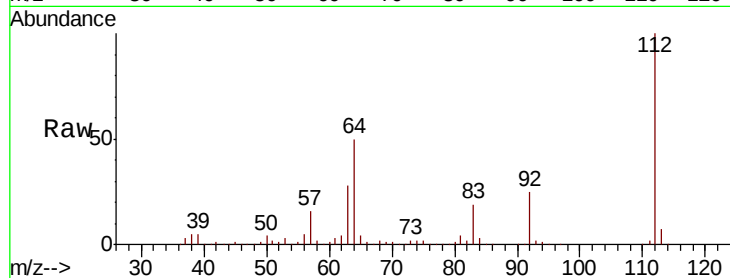
Tot Ion: 112 Resp: 753232

Ion Ratio Lower Upper

112 100

64 50.4 39.7 59.5

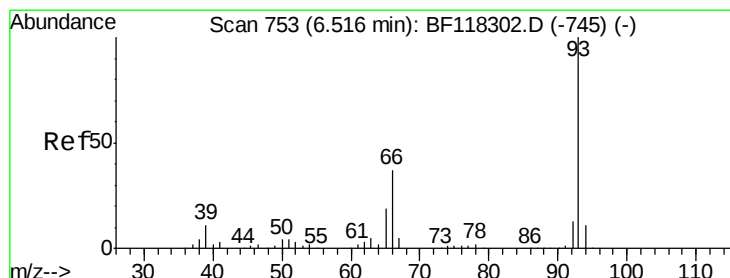
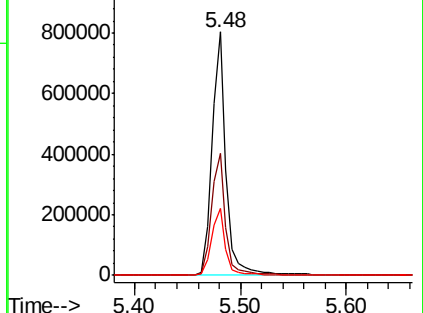
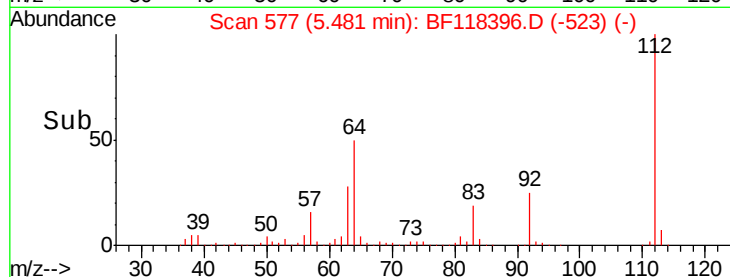
63 27.6 21.7 32.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.847 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

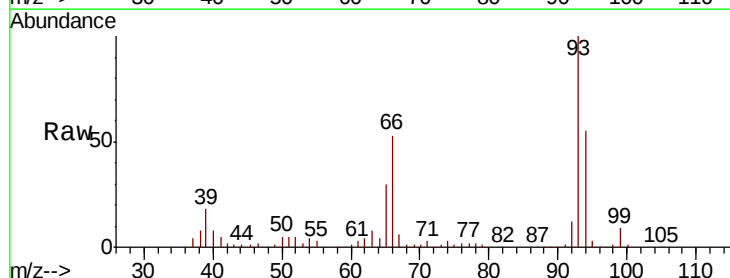
Tgt Ion: 93 Resp: 259420

Ion Ratio Lower Upper

93 100

66 52.6 30.2 45.4#

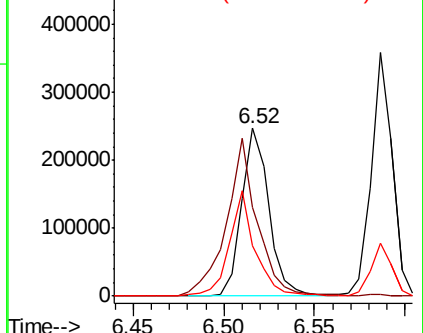
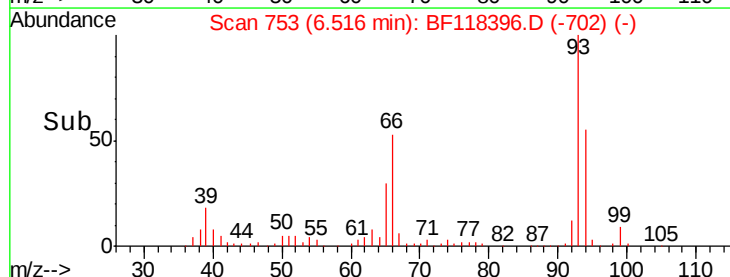
65 30.0 15.7 23.5#

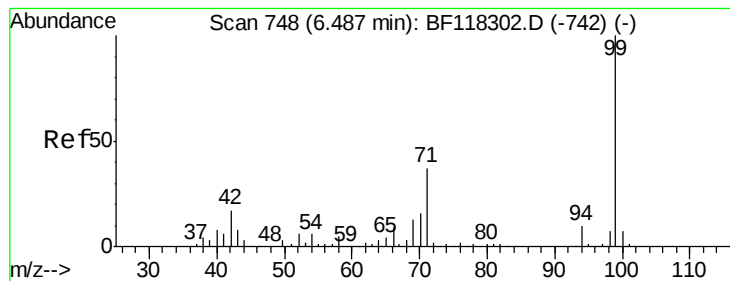


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 88.653 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

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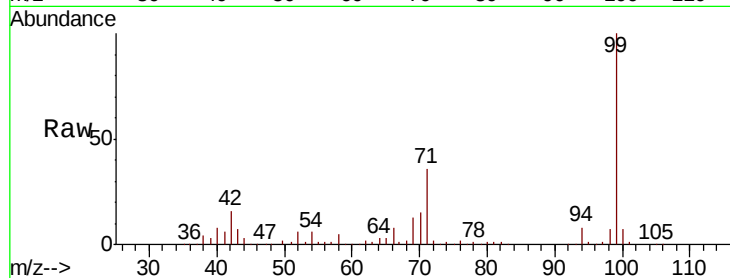
Tot Ion: 99 Resp: 960962

Ion Ratio Lower Upper

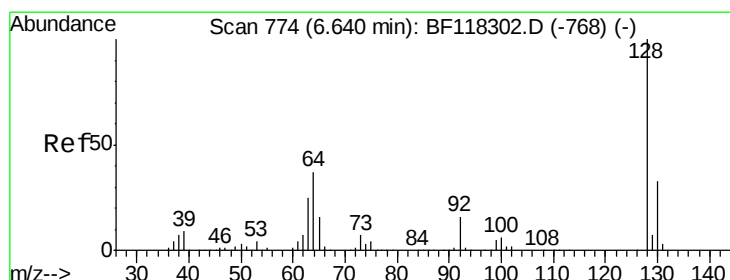
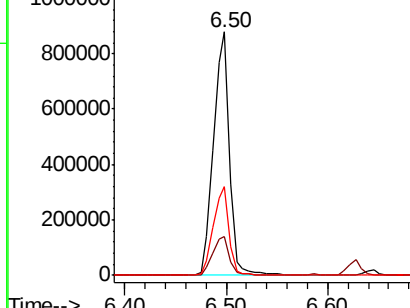
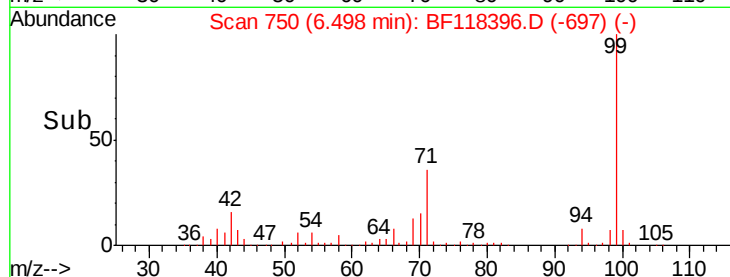
99 100

42 16.0 13.5 20.3

71 36.3 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 34.081 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

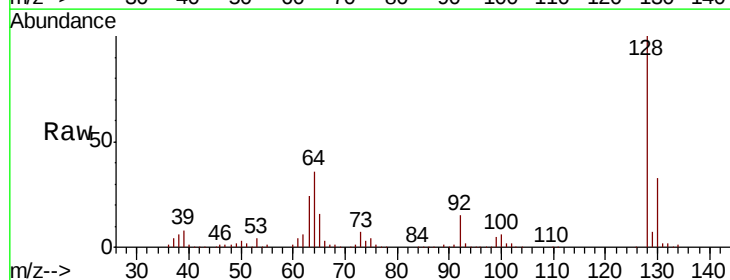
Tgt Ion: 128 Resp: 337274

Ion Ratio Lower Upper

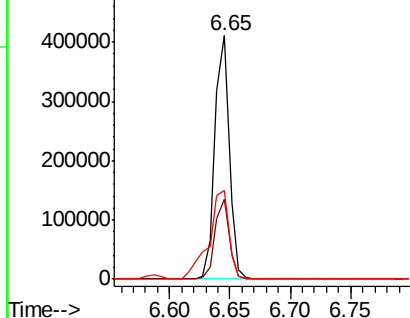
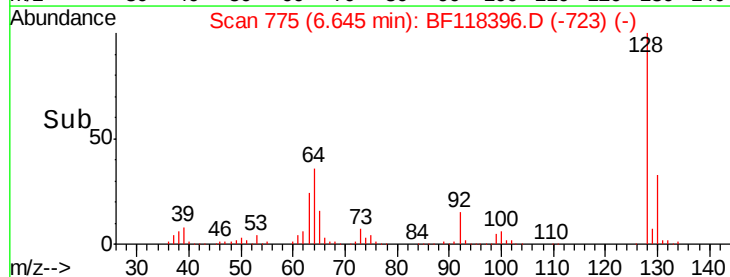
128 100

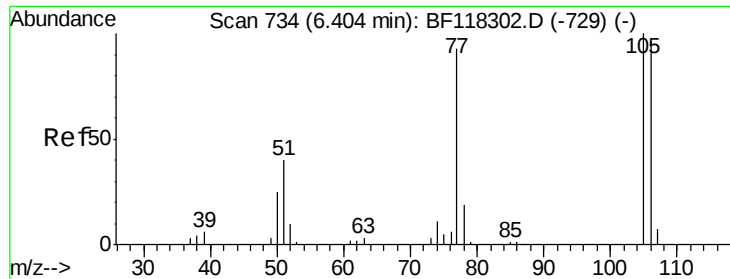
130 33.0 13.2 53.2

64 36.3 17.7 57.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.116 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

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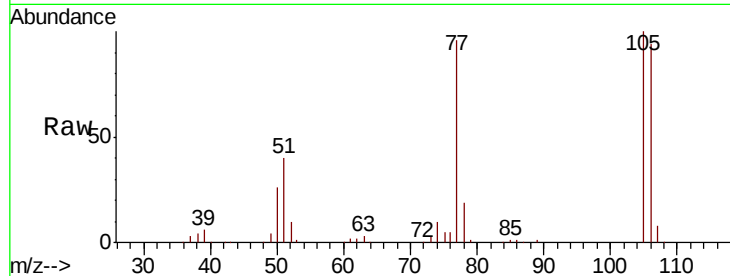
Tot Ion: 77 Resp: 185035

Ion Ratio Lower Upper

77 100

105 104.5 87.5 127.5

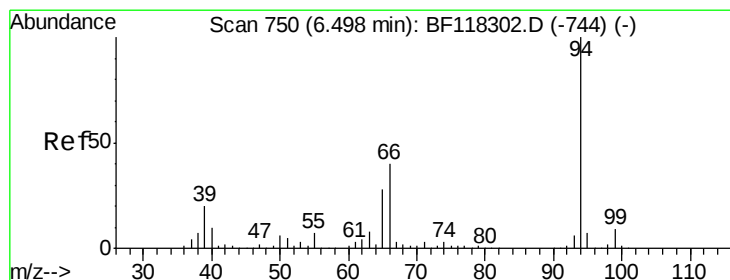
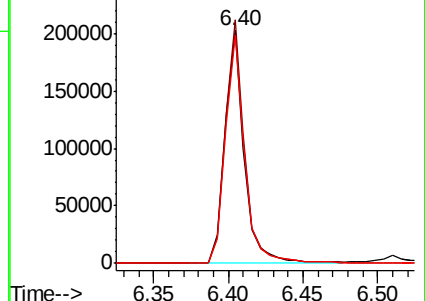
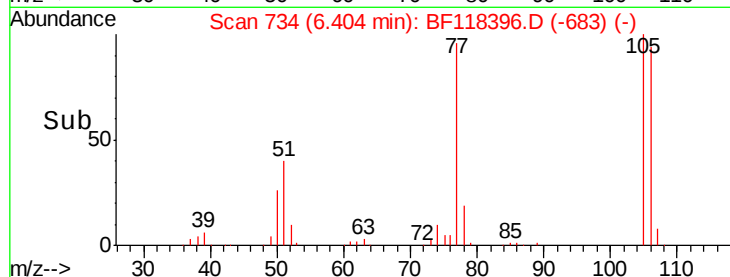
106 98.1 83.6 123.6



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 32.238 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

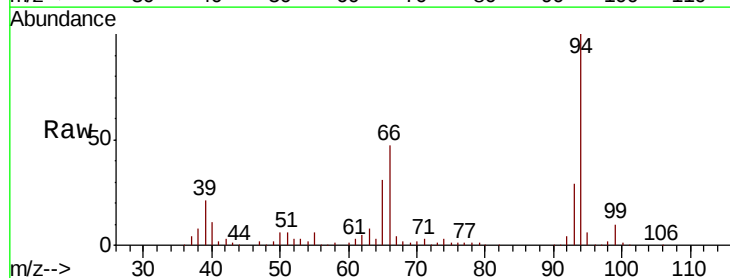
Tgt Ion: 94 Resp: 392765

Ion Ratio Lower Upper

94 100

65 31.0 7.8 47.8

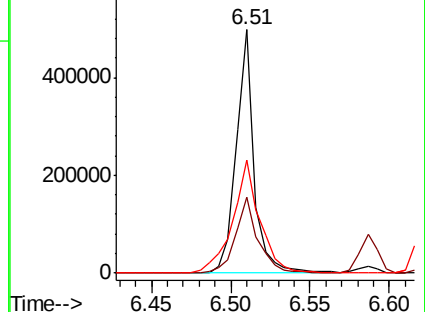
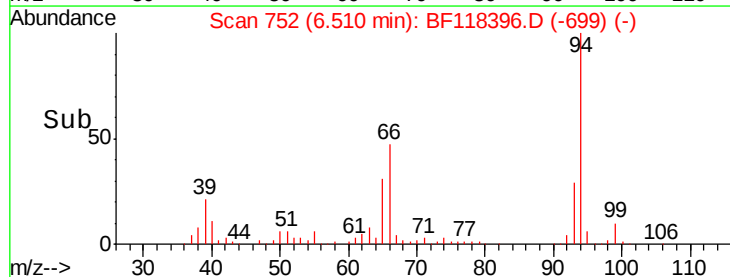
66 46.7 20.4 60.4

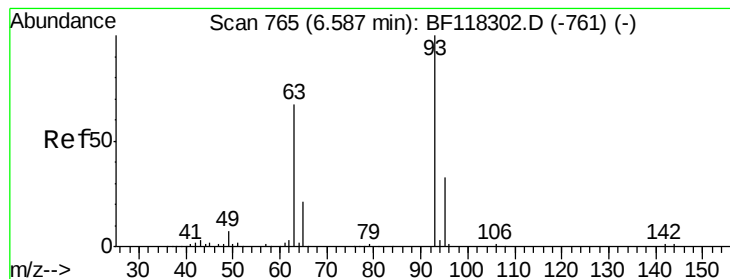


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 32.942 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

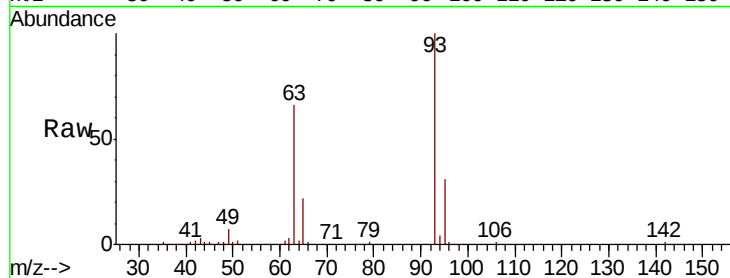
Tot Ion: 93 Resp: 287026

Ion Ratio Lower Upper

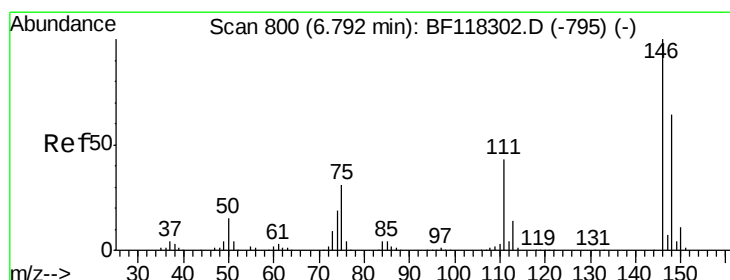
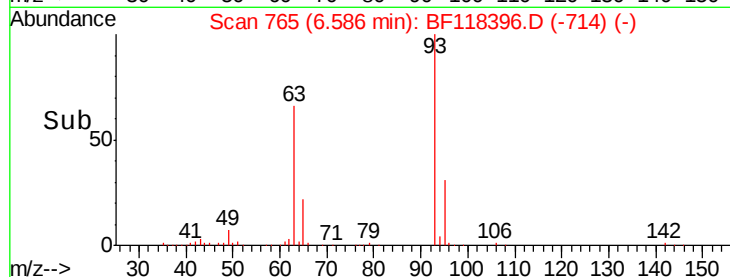
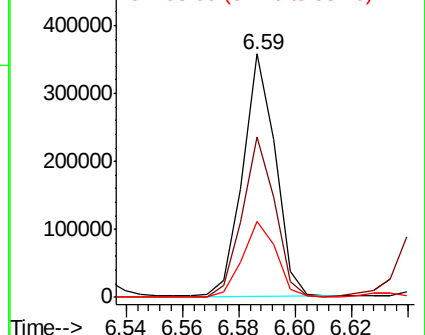
93 100

63 65.9 47.0 87.0

95 31.4 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 31.819 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

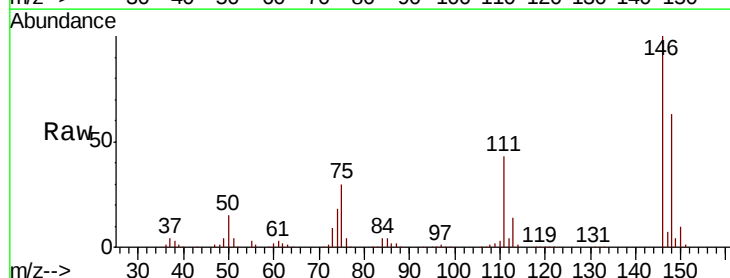
Tgt Ion: 146 Resp: 362652

Ion Ratio Lower Upper

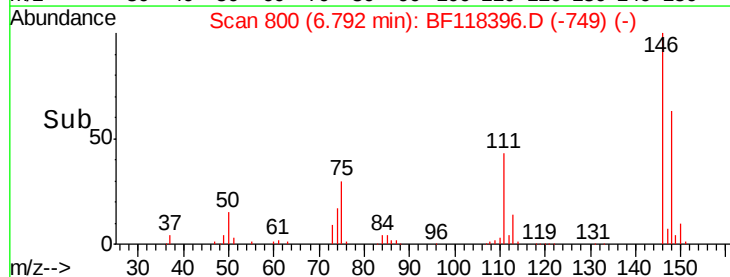
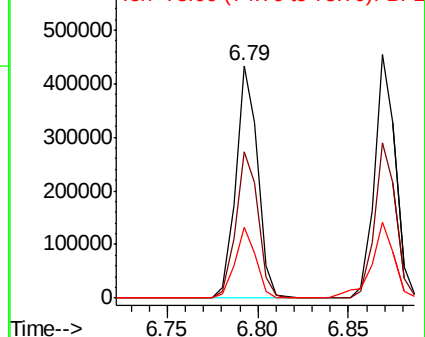
146 100

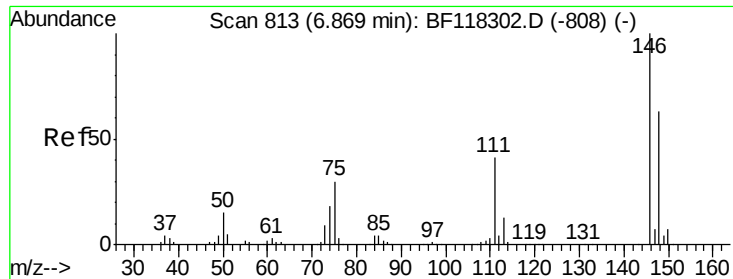
148 62.9 51.4 77.0

75 30.5 24.4 36.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

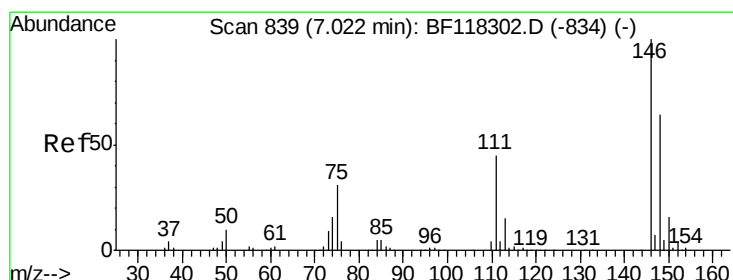
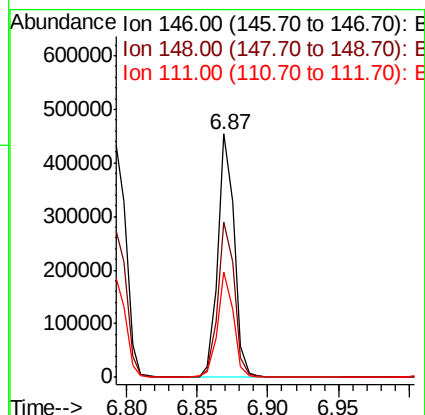
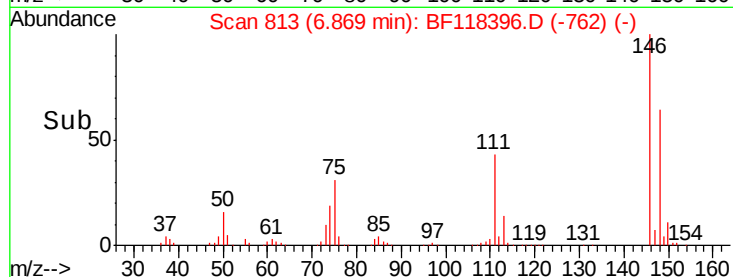
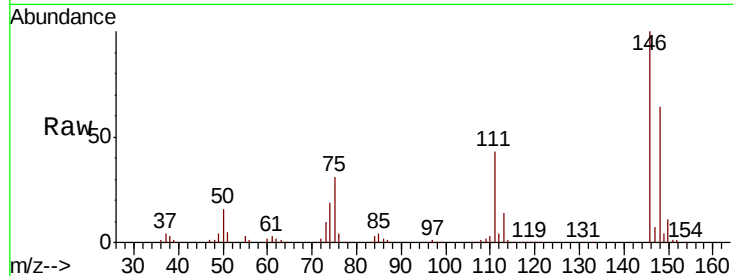




#13
 1,4-Dichlorobenzene
 Concen: 31.756 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

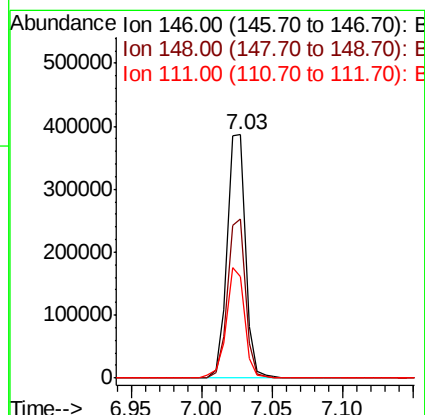
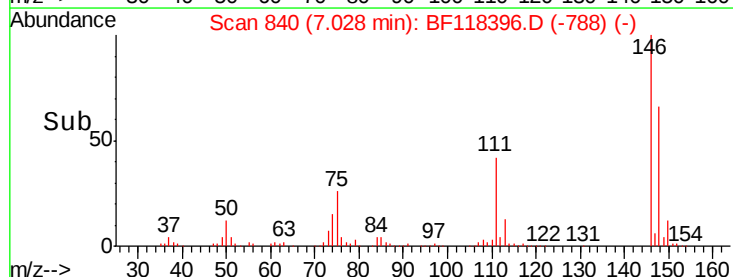
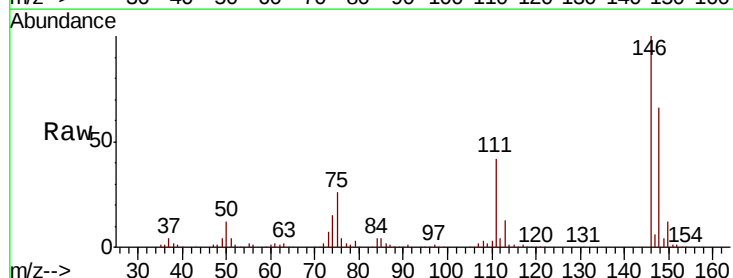
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

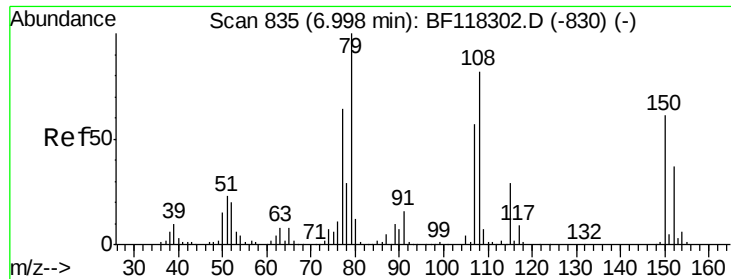
Tot Ion:146 Resp: 367630
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.3 75.5
 111 43.1 32.8 49.2



#14
 1,2-Dichlorobenzene
 Concen: 32.099 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:146 Resp: 350837
 Ion Ratio Lower Upper
 146 100
 148 65.6 51.3 76.9
 111 41.8 35.7 53.5

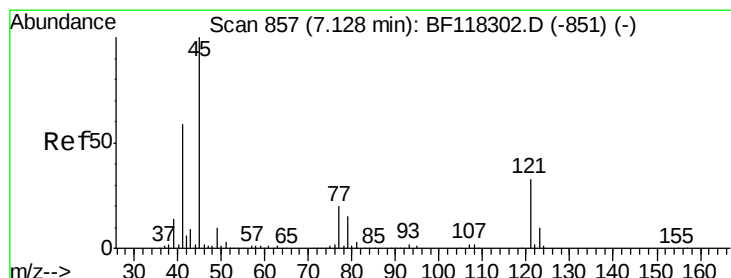
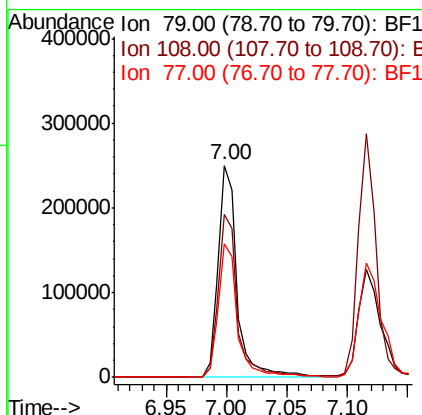
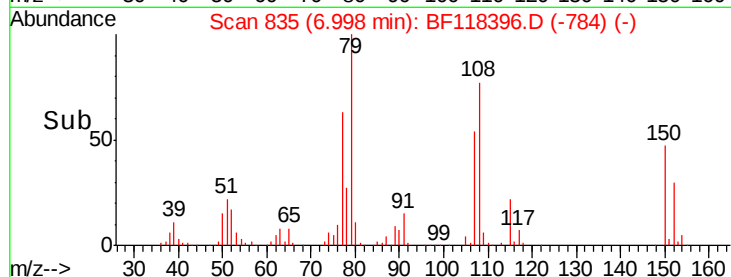
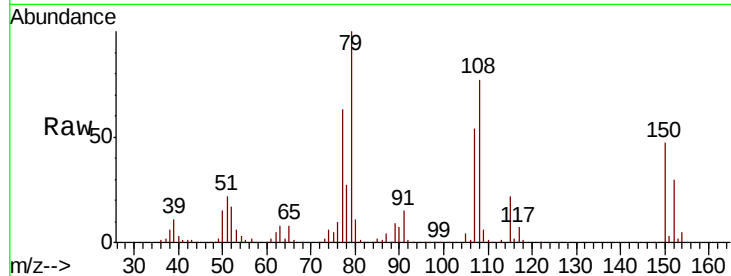




#15
Benzyl Alcohol
Concen: 32.751 ng
RT: 7.00 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

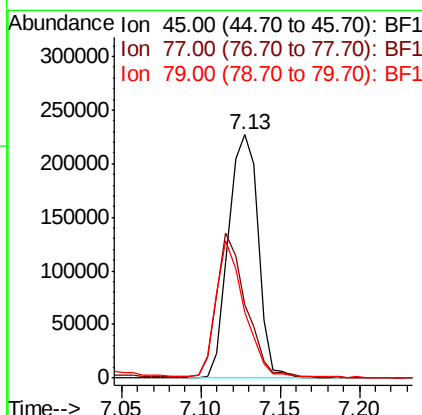
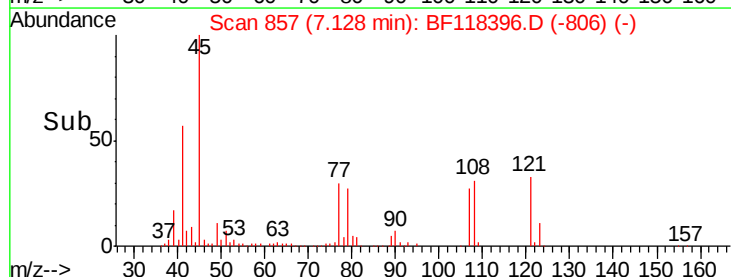
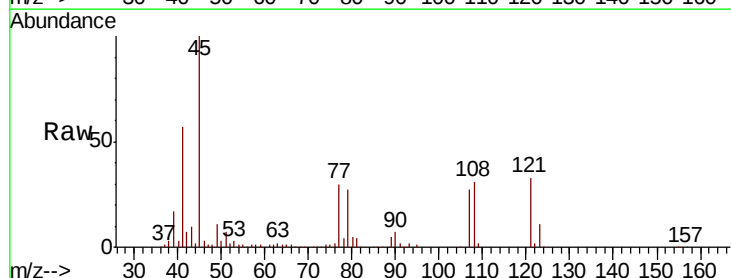
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

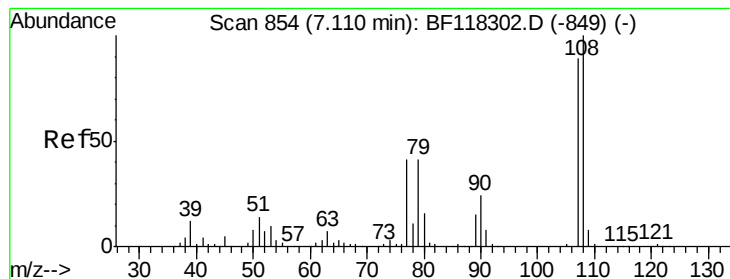
Tot Ion: 79 Resp: 270298
Ion Ratio Lower Upper
79 100
108 76.9 65.4 98.0
77 63.3 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.702 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion: 45 Resp: 294748
Ion Ratio Lower Upper
45 100
77 29.9 1.2 41.2
79 26.9 0.0 37.0





#17

2-Methylphenol

Concen: 33.201 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

Tot Ion:107 Resp: 263527

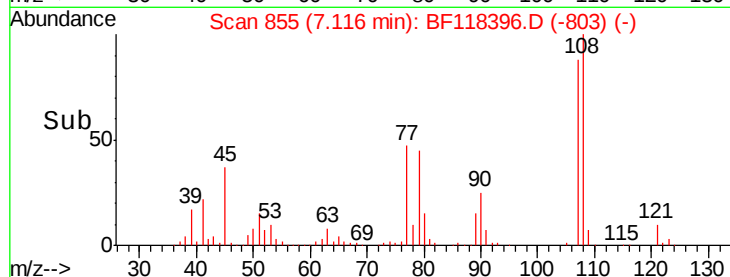
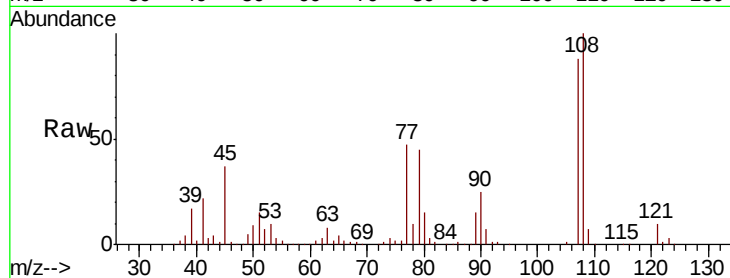
Ion Ratio Lower Upper

107 100

108 113.3 89.7 134.5

77 53.2 37.2 55.8

79 50.4 36.7 55.1

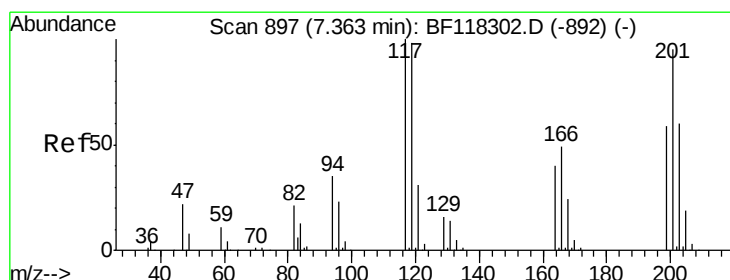
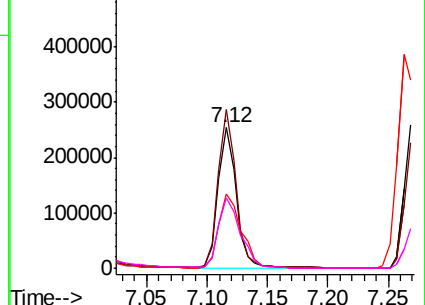


Abundance Ion 107.00 (106.70 to 107.70): E

600000 Ion 108.00 (107.70 to 108.70): E

500000 Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 28.721 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

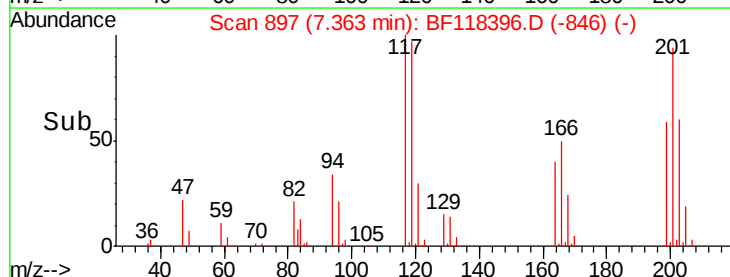
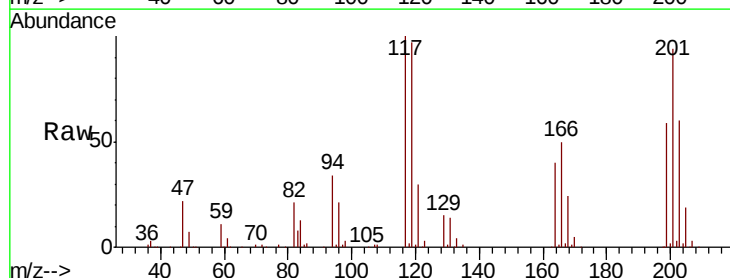
Tgt Ion:117 Resp: 122030

Ion Ratio Lower Upper

117 100

119 96.8 78.0 117.0

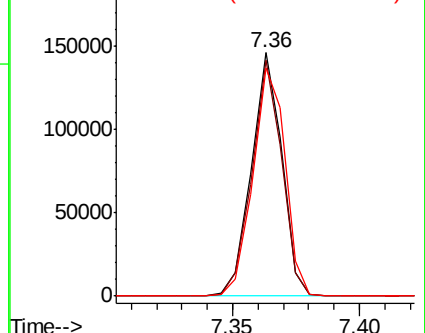
201 93.6 76.2 114.2

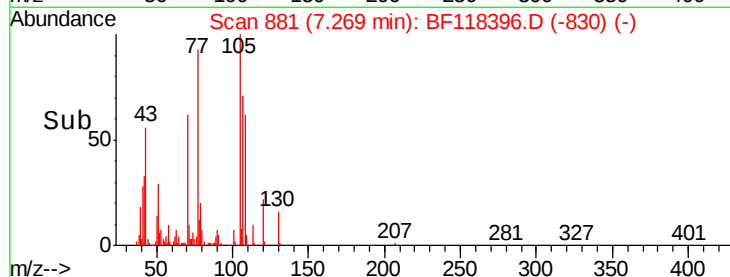
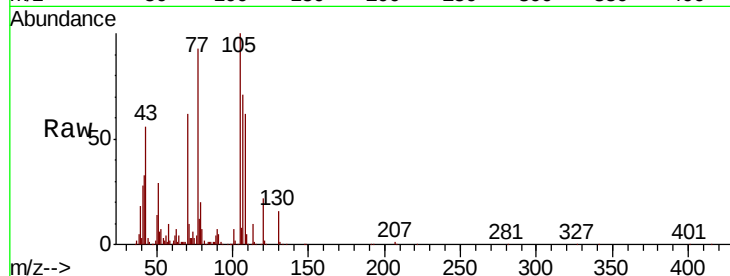
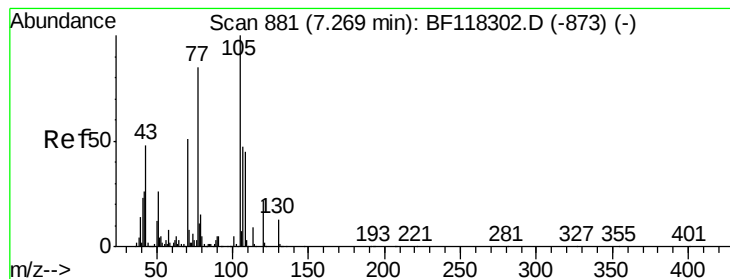


Abundance Ion 117.00 (116.70 to 117.70): E

200000 Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 32.053 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

Tot Ion: 70 Resp: 214039

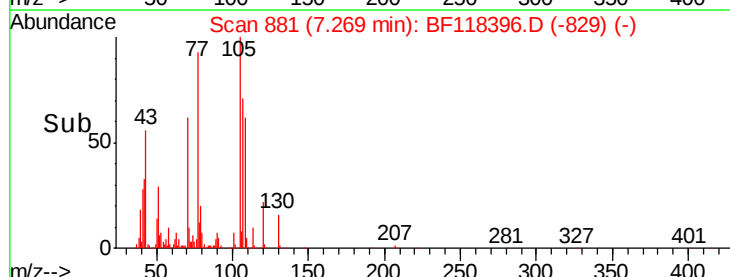
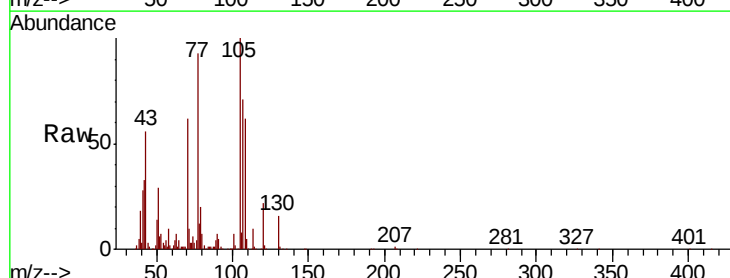
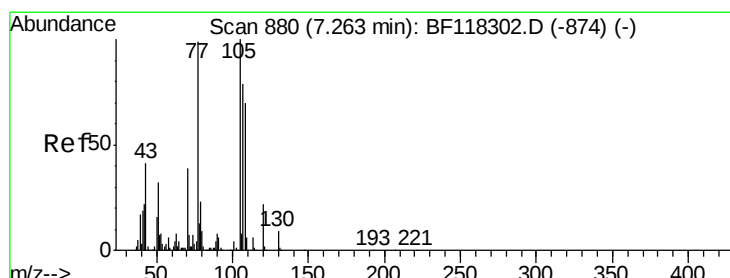
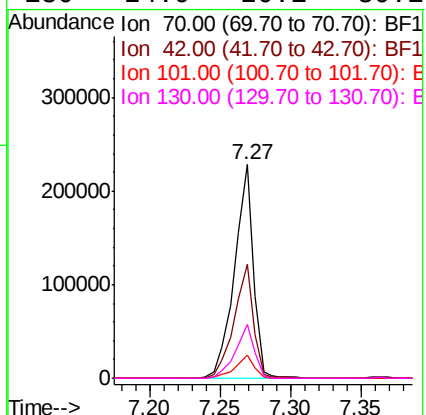
Ion Ratio Lower Upper

70 100

42 53.6 41.1 61.7

101 10.6 8.3 12.5

130 24.9 20.1 30.1



#20

3+4-Methylphenols

Concen: 33.016 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Tgt Ion: 107 Resp: 335405

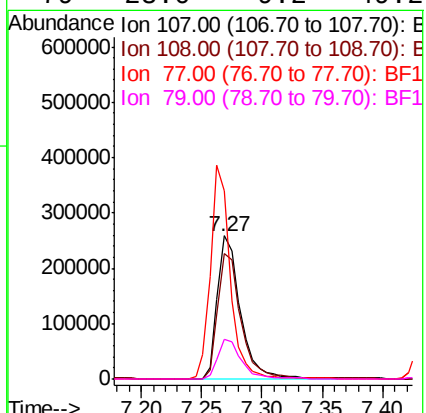
Ion Ratio Lower Upper

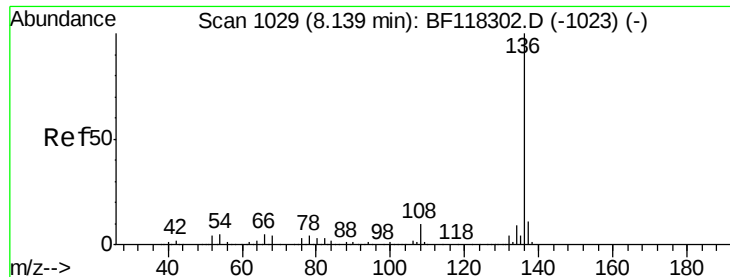
107 100

108 88.0 69.3 109.3

77 131.1 105.9 145.9

79 28.0 9.2 49.2

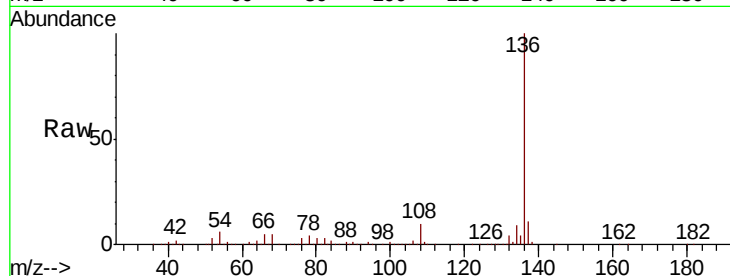




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:136	Resp:	598601
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	5.6	4.2 6.4
68	4.6	3.5 5.3



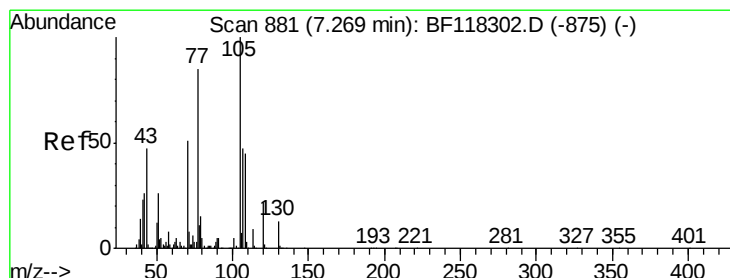
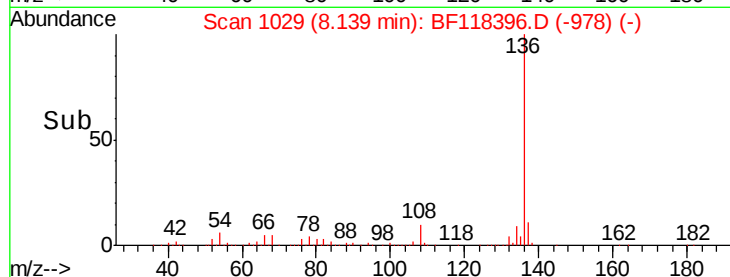
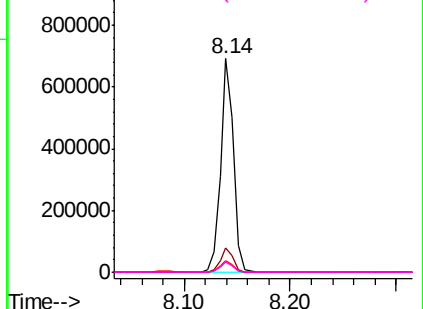
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

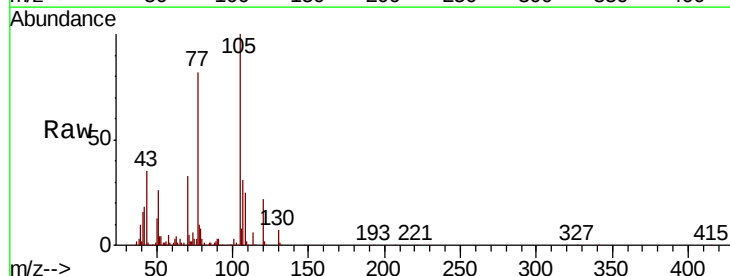
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 30.489 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:105	Resp:	447300
Ion	Ratio	Lower Upper
105	100	
71	5.5	6.6 9.8#
51	26.2	20.6 30.8
120	21.6	18.0 27.0



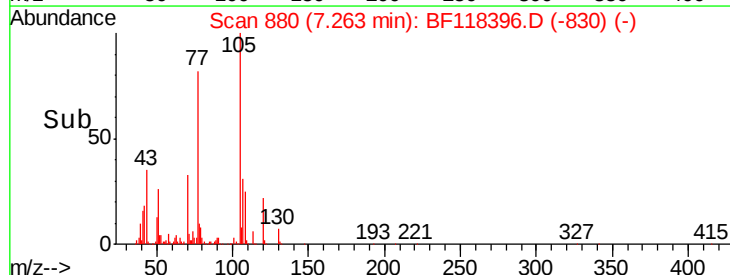
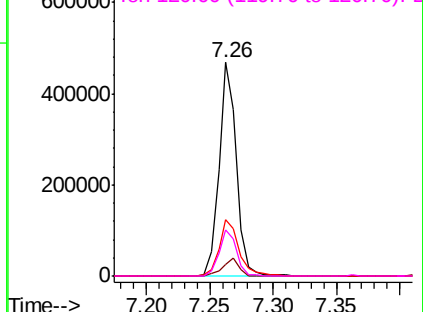
Abundance

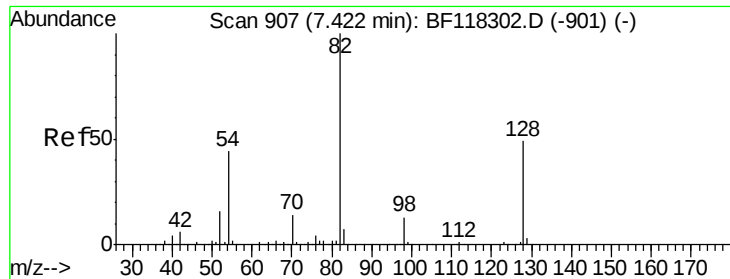
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

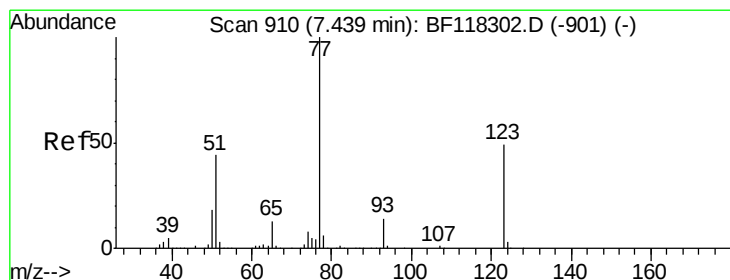
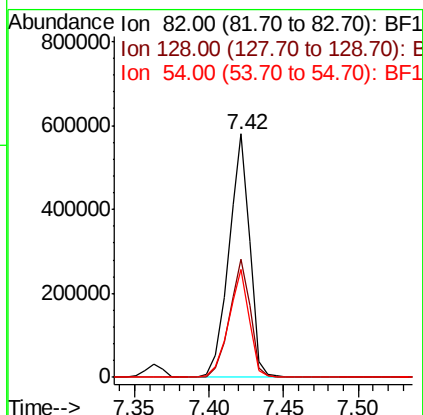
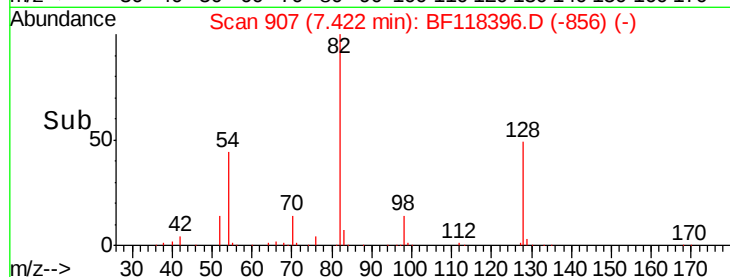
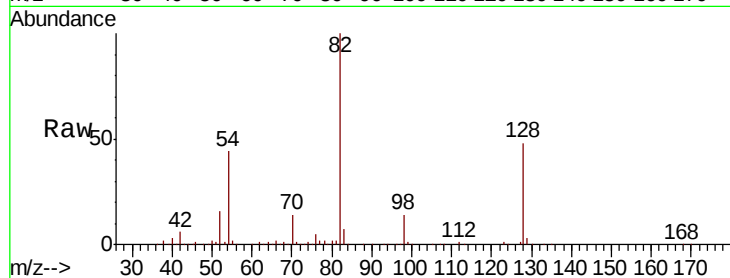




#23
Nitrobenzene-d5
Concen: 54.722 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

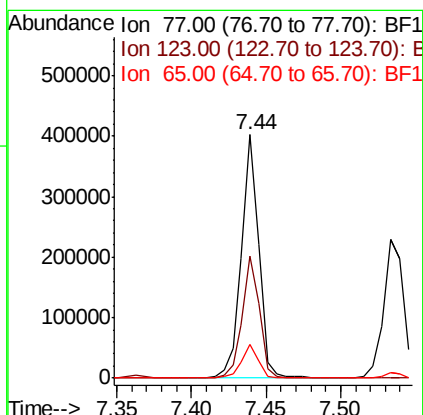
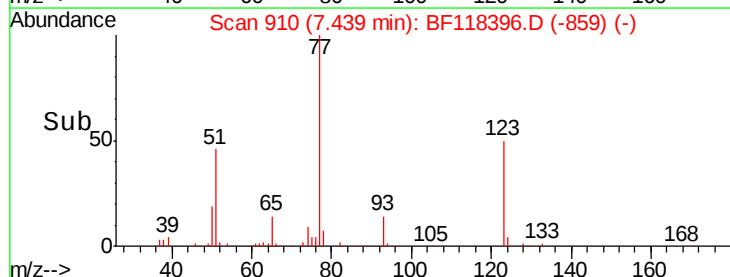
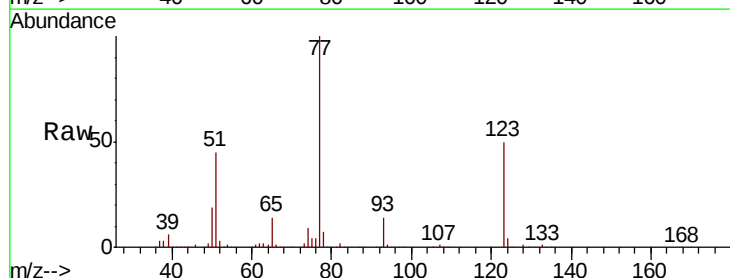
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

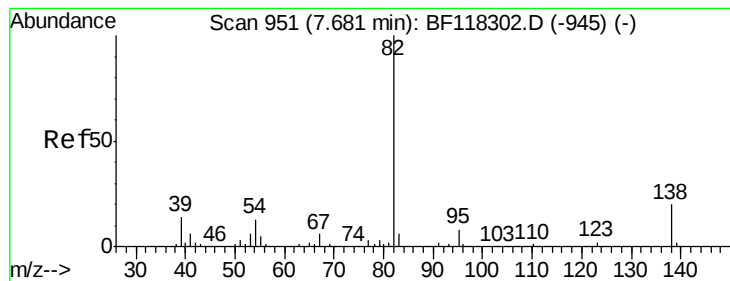
Tot Ion	82	Resp	572717
Ion Ratio	Lower	Upper	
82	100		
128	48.5	39.6	59.4
54	44.5	34.9	52.3



#24
Nitrobenzene
Concen: 30.940 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion	77	Resp	324378
Ion Ratio	Lower	Upper	
77	100		
123	50.2	39.1	58.7
65	13.8	10.6	16.0





#25

Isophorone

Concen: 32.042 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

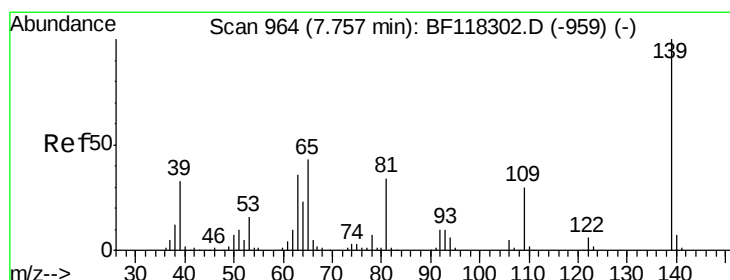
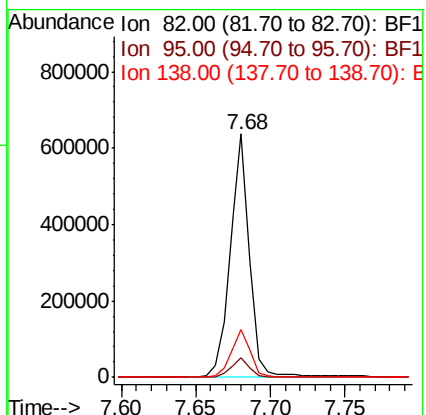
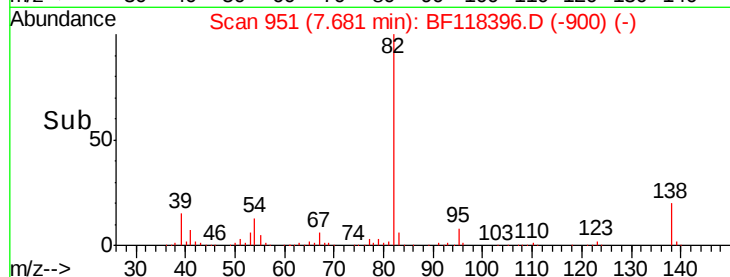
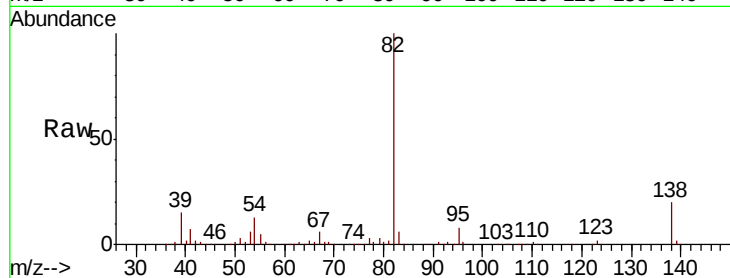
Tot Ion: 82 Resp: 584442

Ion Ratio Lower Upper

82 100

95 8.1 6.3 9.5

138 19.7 16.2 24.2



#26

2-Nitrophenol

Concen: 31.848 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

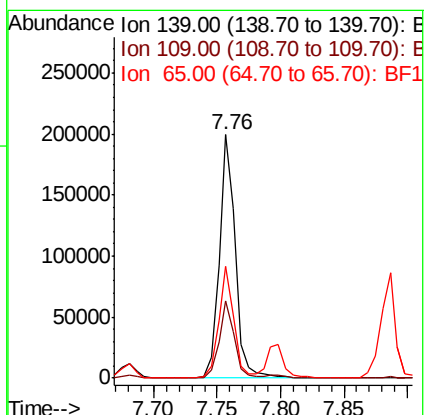
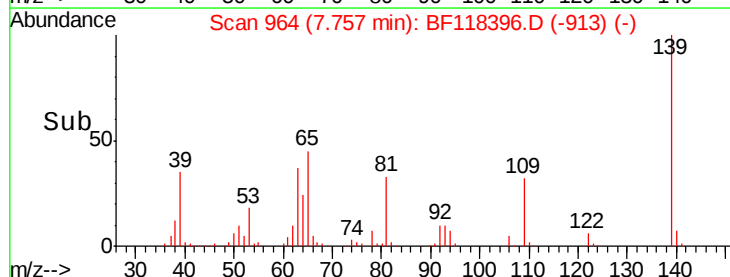
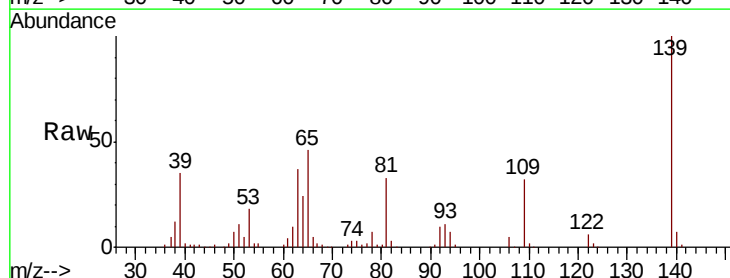
Tgt Ion: 139 Resp: 176854

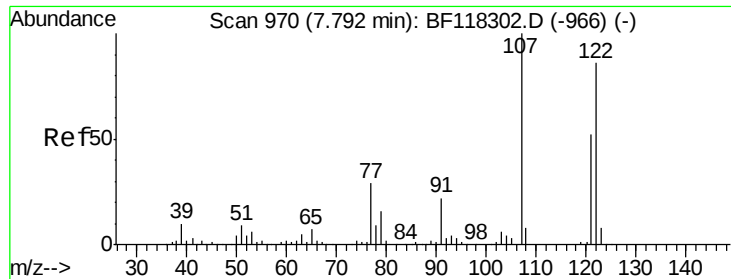
Ion Ratio Lower Upper

139 100

109 31.7 24.1 36.1

65 45.7 34.6 52.0

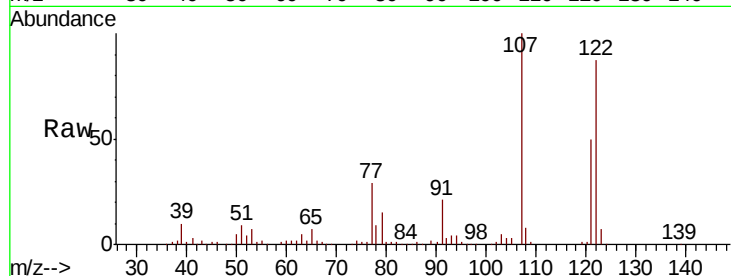




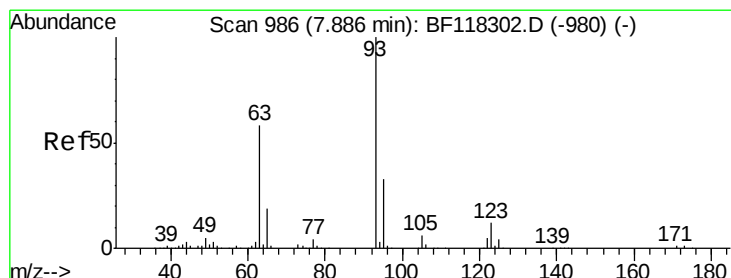
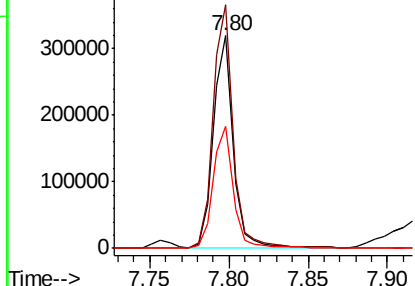
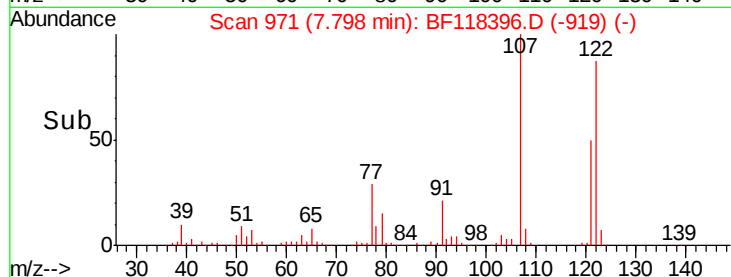
#27
2,4-Dimethylphenol
Concen: 36.792 ng
RT: 7.80 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:122 Resp: 278755
Ion Ratio Lower Upper
122 100
107 114.6 92.9 139.3
121 57.5 47.9 71.9

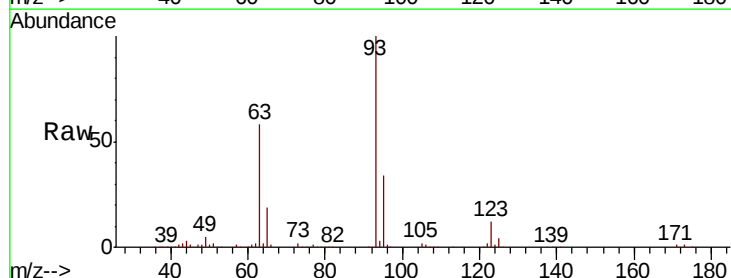


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

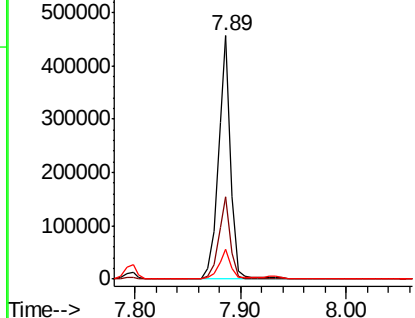
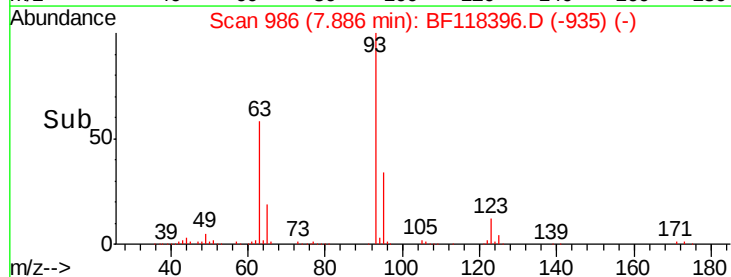


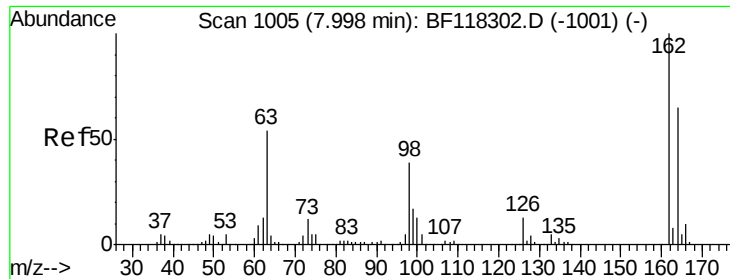
#28
bis(2-Chloroethoxy)methane
Concen: 31.326 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion: 93 Resp: 373682
Ion Ratio Lower Upper
93 100
95 33.7 26.2 39.4
123 12.3 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

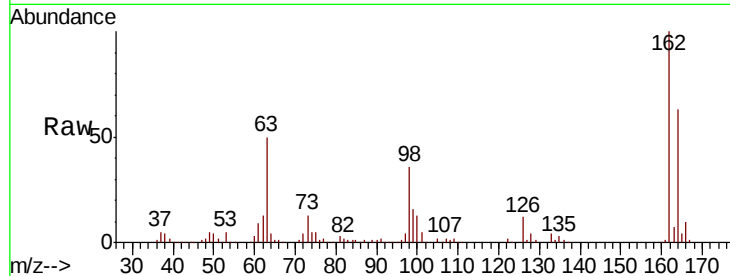




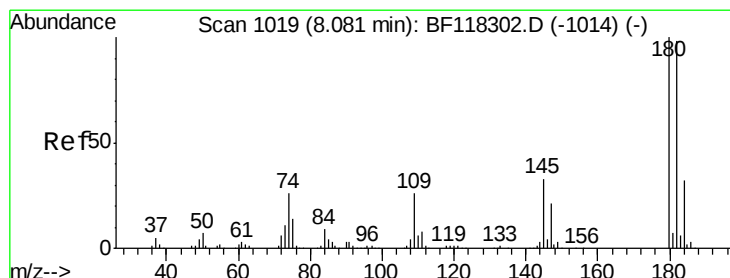
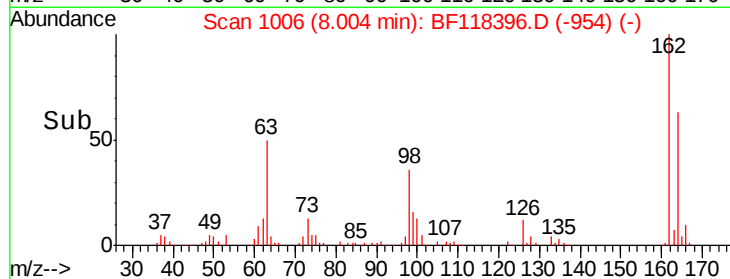
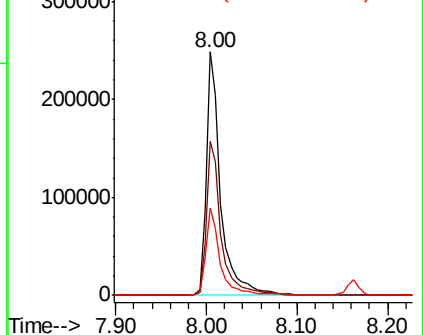
#29
 2,4-Dichlorophenol
 Concen: 32.193 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

Tot Ion:162 Resp: 280739
 Ion Ratio Lower Upper
 162 100
 164 63.1 45.1 85.1
 98 35.8 18.6 58.6

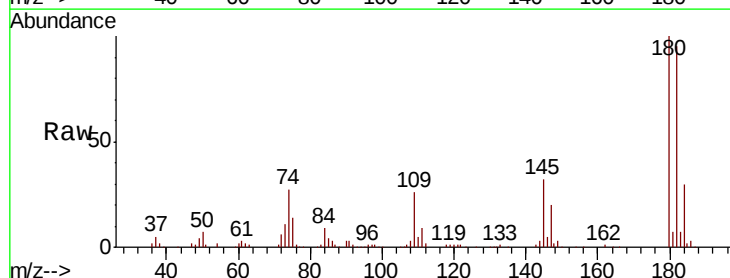


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

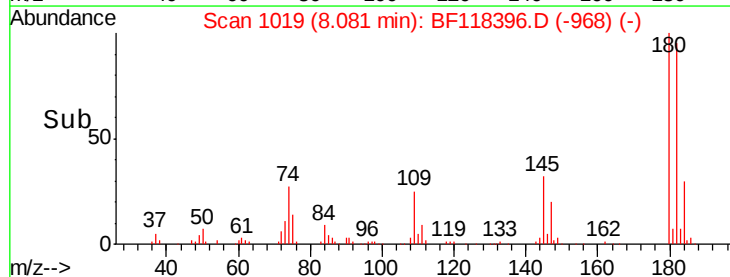
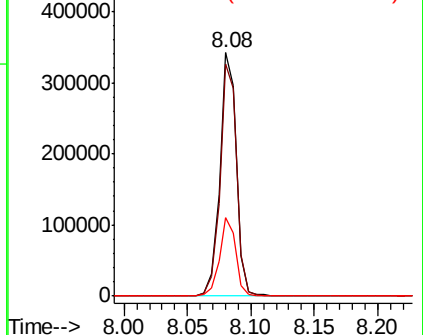


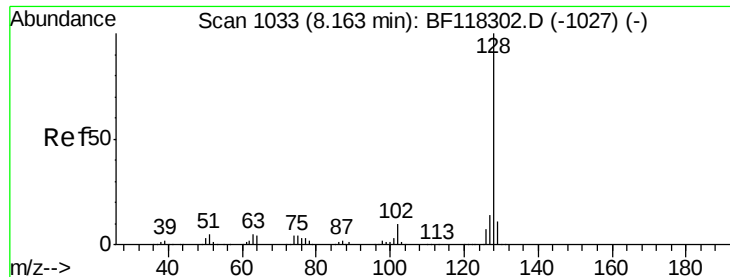
#30
 1,2,4-Trichlorobenzene
 Concen: 30.838 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:180 Resp: 313271
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.3 117.5
 145 32.4 26.7 40.1



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

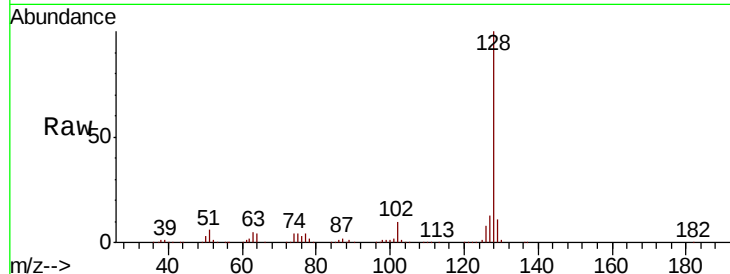




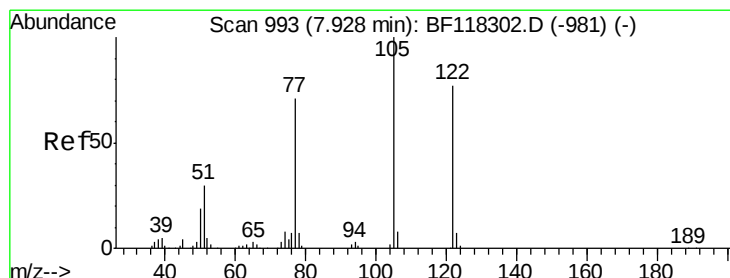
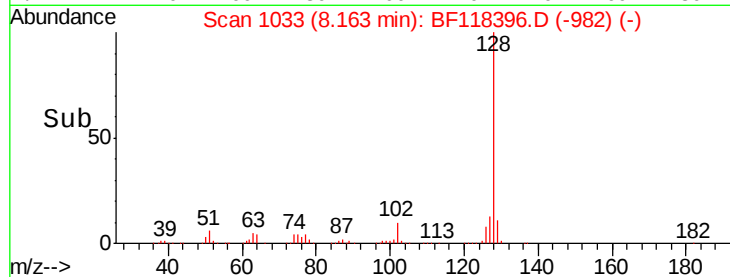
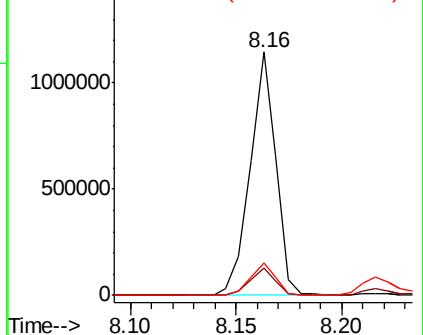
#31
Naphthalene
Concen: 31.906 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:128 Resp: 970728
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.5 11.0 16.4

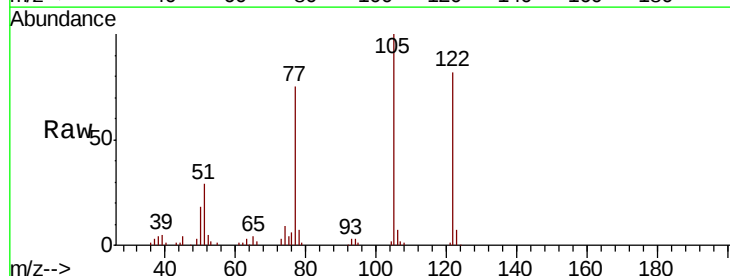


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

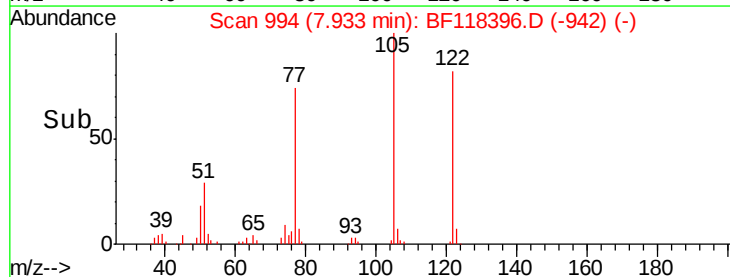
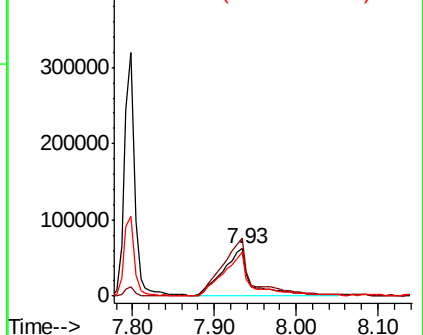


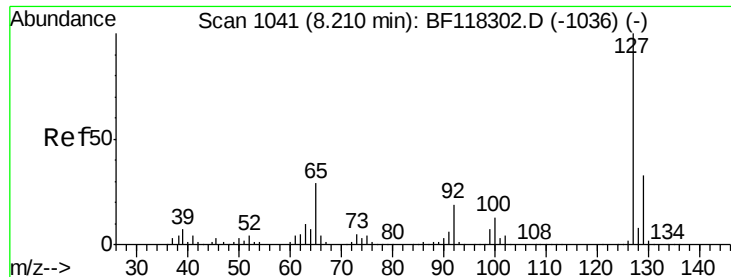
#32
Benzoic acid
Concen: 26.081 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:122 Resp: 148052
Ion Ratio Lower Upper
122 100
105 122.7 106.8 146.8
77 92.1 70.4 110.4



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

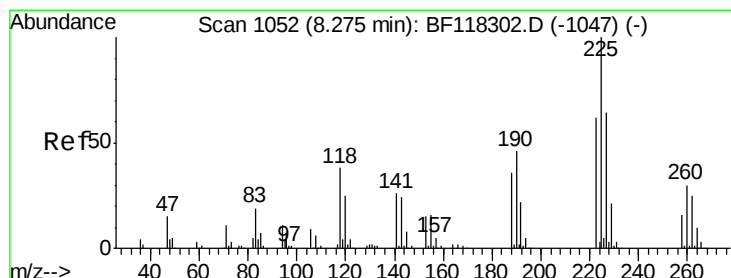
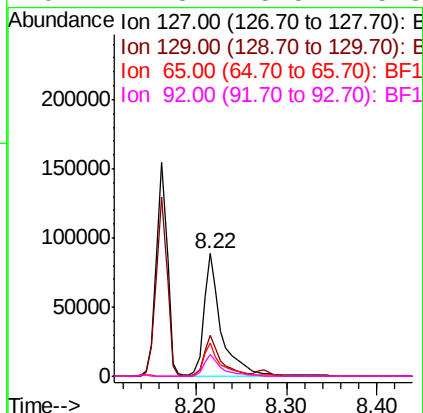
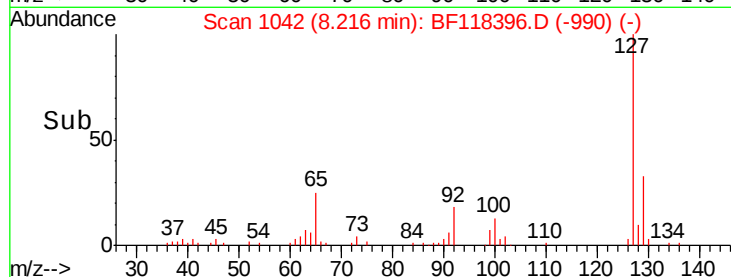
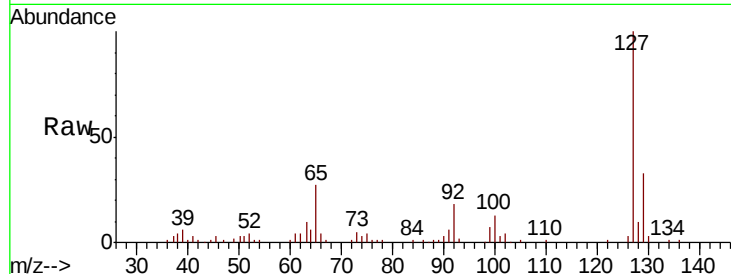




#33
4-Chloroaniline
Concen: 9.230 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

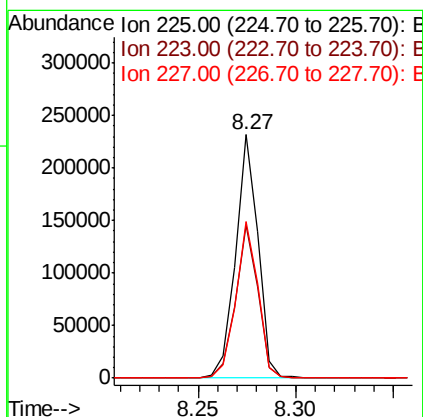
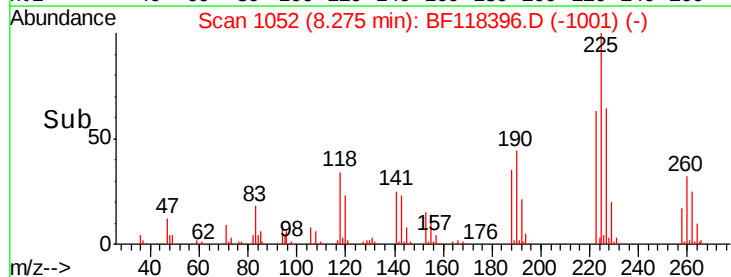
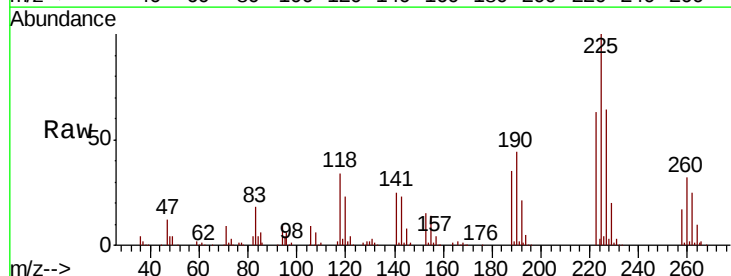
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

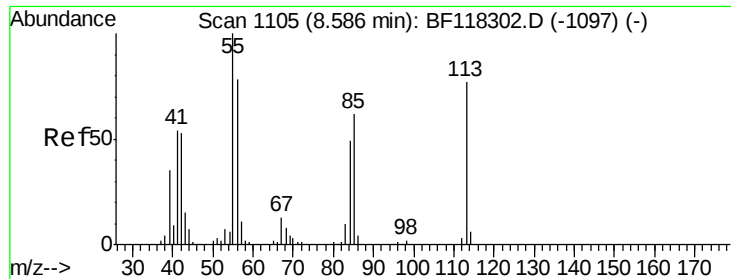
Tot Ion:	127	Resp:	120385
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.5	39.7
65	26.7	22.8	34.2
92	17.8	15.5	23.3



#34
Hexachlorobutadiene
Concen: 30.339 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:	225	Resp:	183460
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.5	74.3
227	64.3	51.0	76.4

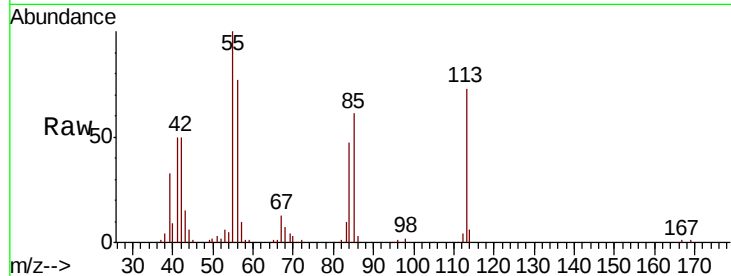




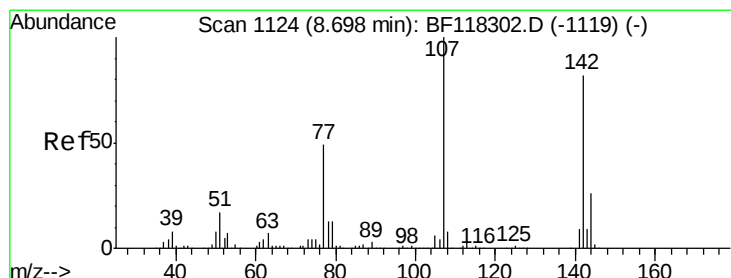
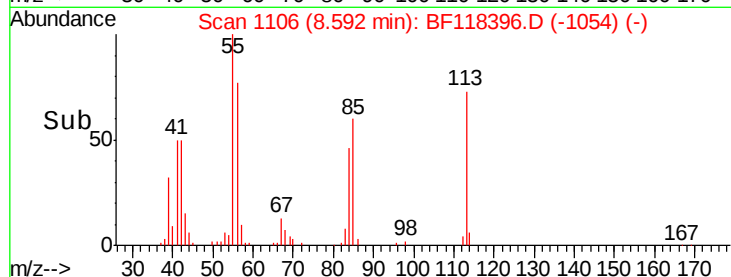
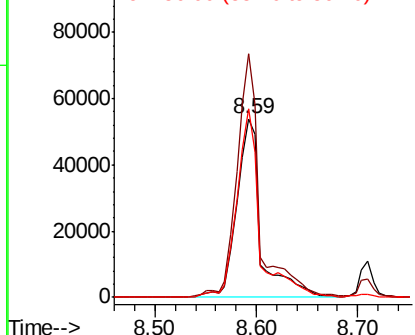
#35
 Caprolactam
 Concen: 32.664 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

Tot Ion:113 Resp: 88931
 Ion Ratio Lower Upper
 113 100
 55 136.1 109.8 149.8
 56 105.4 81.7 121.7

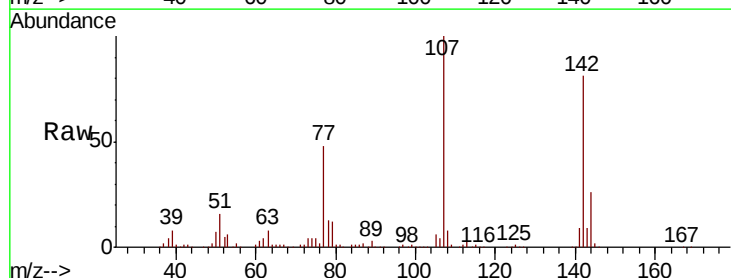


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

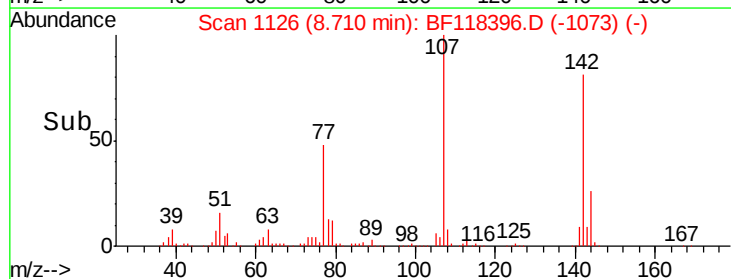
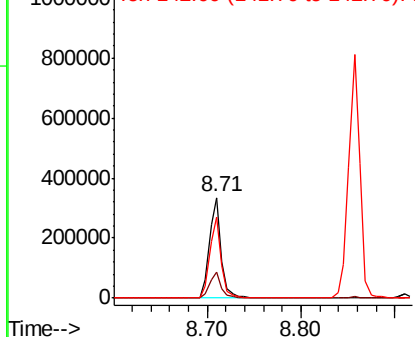


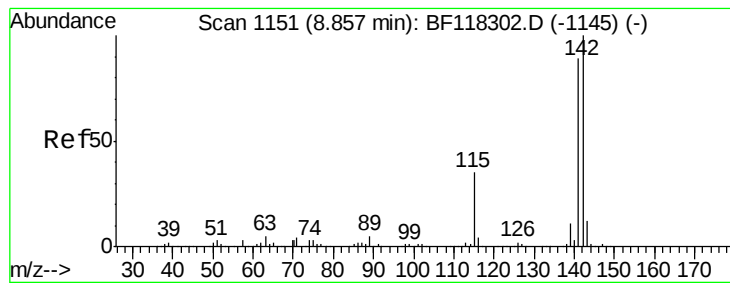
#36
 4-Chloro-3-methylphenol
 Concen: 31.567 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:107 Resp: 295555
 Ion Ratio Lower Upper
 107 100
 144 26.4 21.2 31.8
 142 80.9 65.4 98.2



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

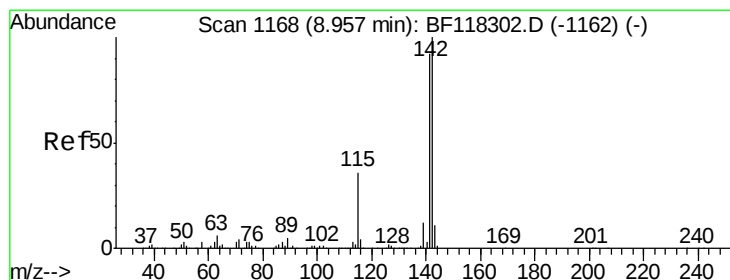
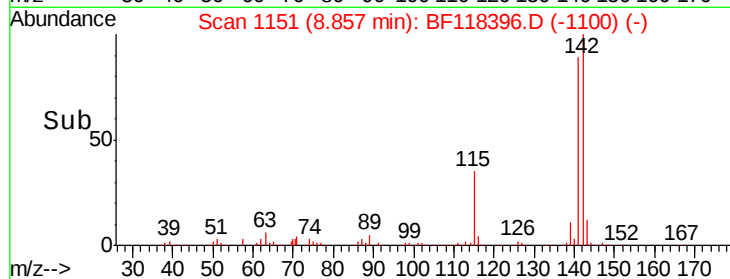
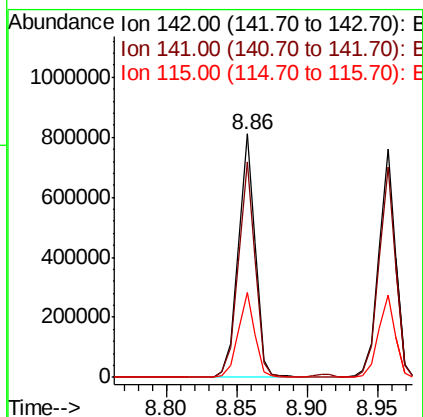
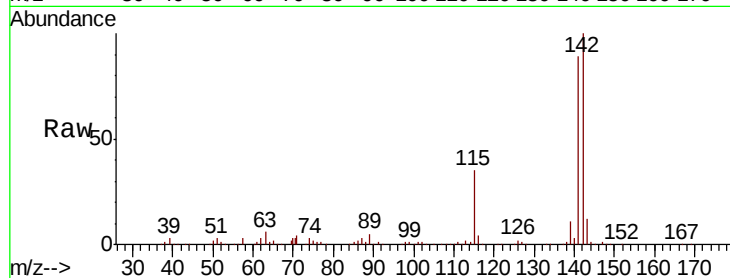




#37
 2-Methylnaphthalene
 Concen: 32.496 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

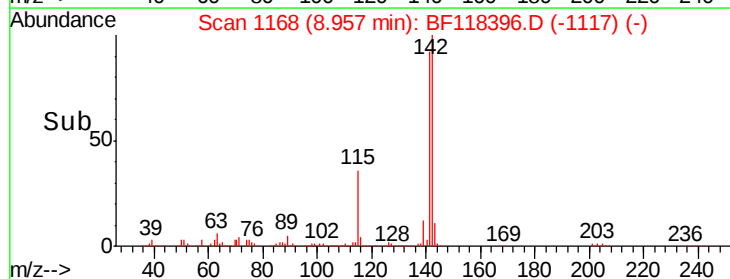
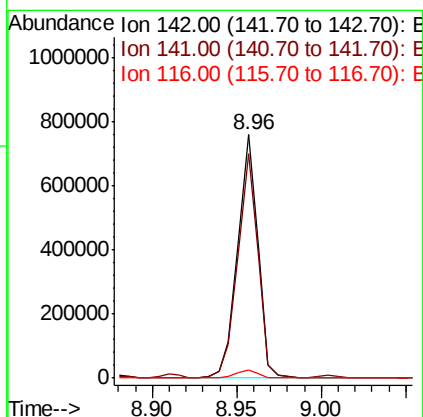
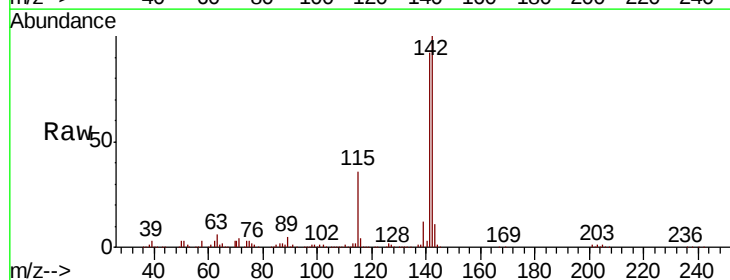
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

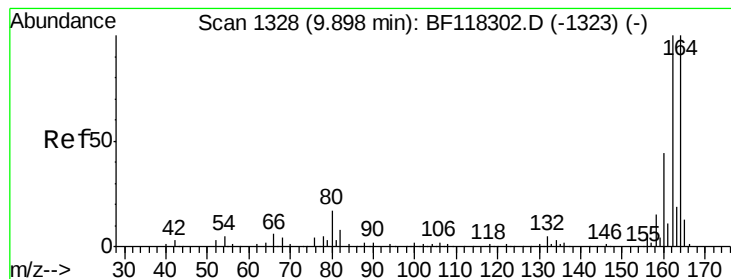
Tot Ion:142 Resp: 676904
 Ion Ratio Lower Upper
 142 100
 141 88.5 71.2 106.8
 115 35.1 28.0 42.0



#38
 1-Methylnaphthalene
 Concen: 31.975 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:142 Resp: 627530
 Ion Ratio Lower Upper
 142 100
 141 92.0 73.4 110.2
 116 3.6 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

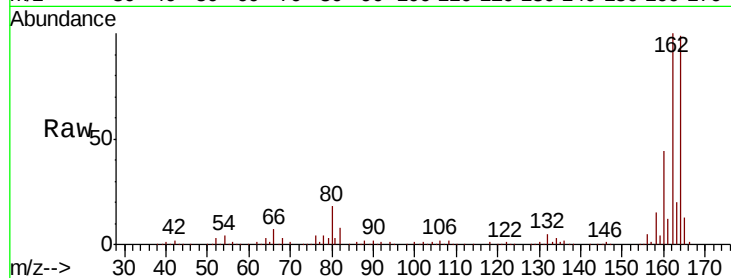
Tot Ion:164 Resp: 306952

Ion Ratio Lower Upper

164 100

162 100.9 80.0 120.0

160 44.5 34.8 52.2

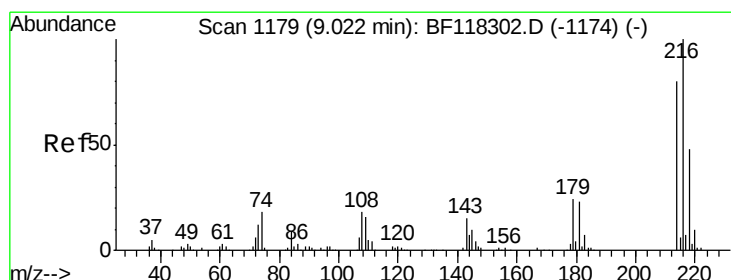
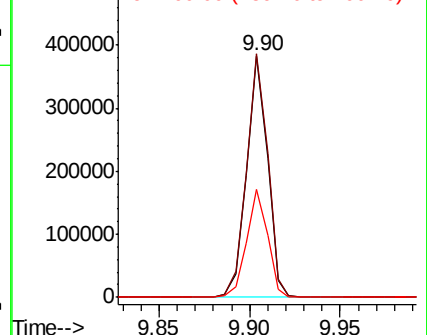
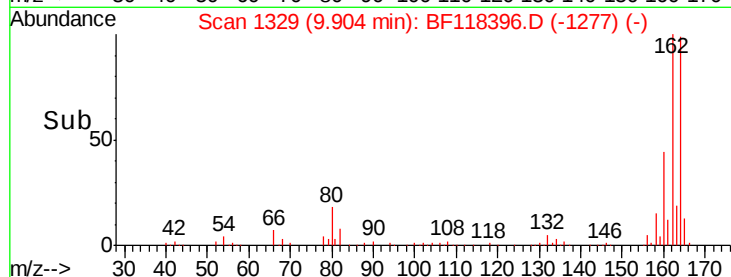


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 31.811 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Tgt Ion:216 Resp: 293377

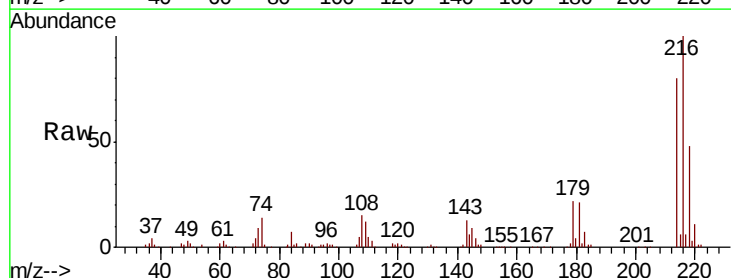
Ion Ratio Lower Upper

216 100

214 79.6 63.3 94.9

179 22.9 18.9 28.3

108 17.9 15.0 22.6



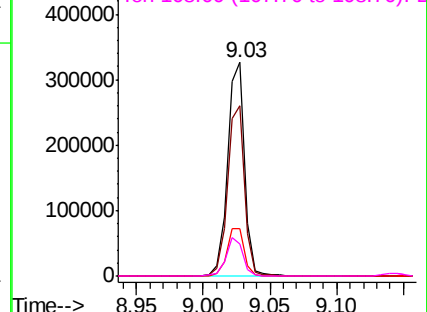
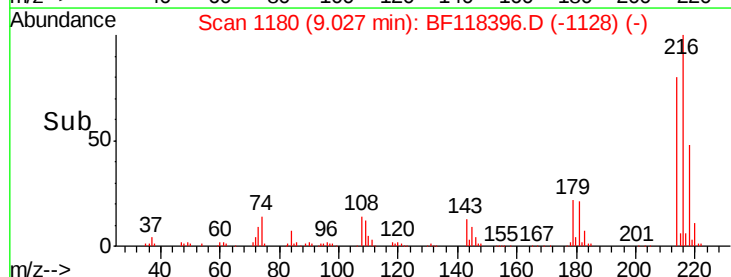
Abundance

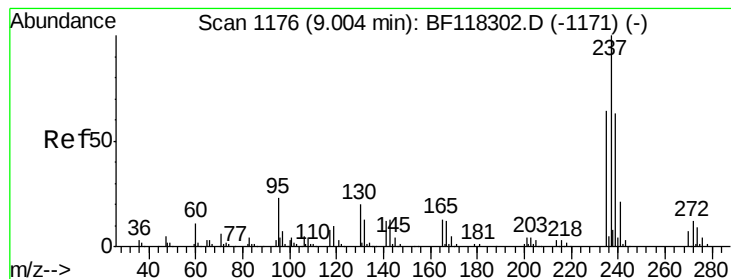
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 18.648 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

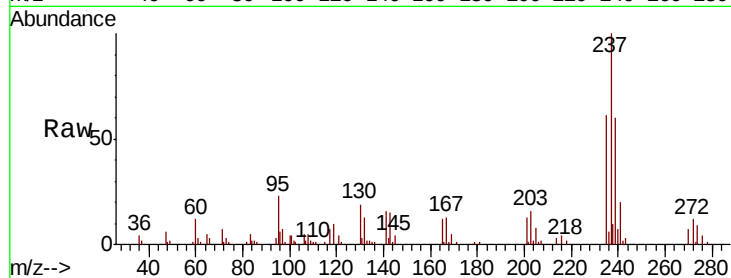
Tot Ion:237 Resp: 42066

Ion Ratio Lower Upper

237 100

235 61.4 43.8 83.8

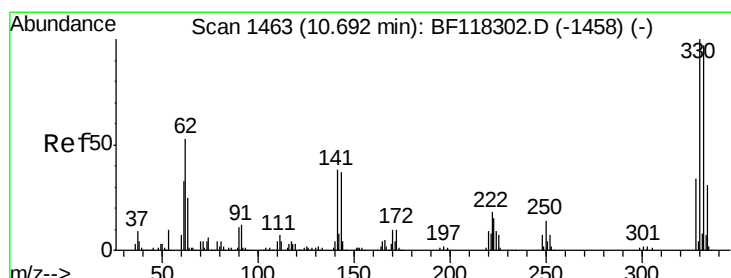
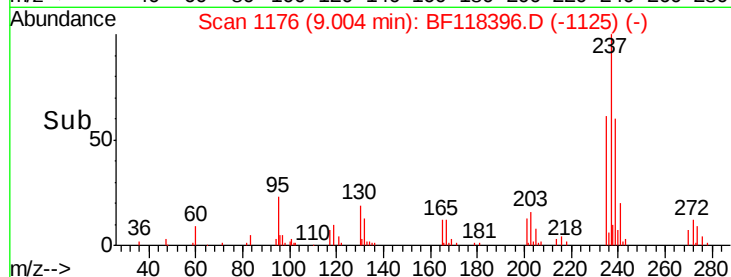
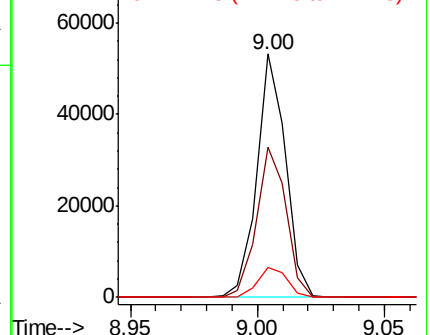
272 12.2 0.0 31.7



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: 74.073 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

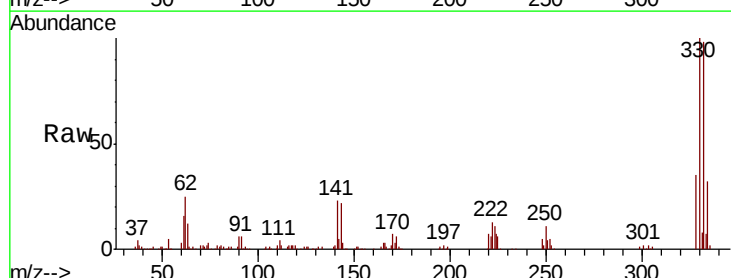
Tgt Ion:330 Resp: 280782

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

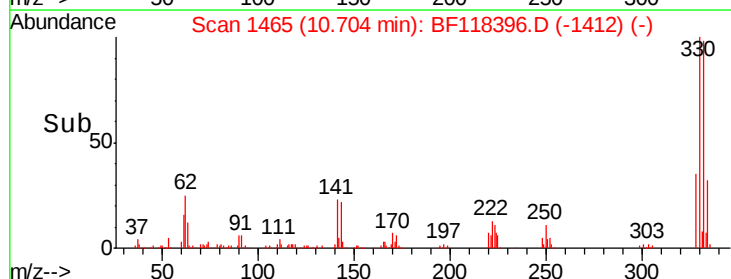
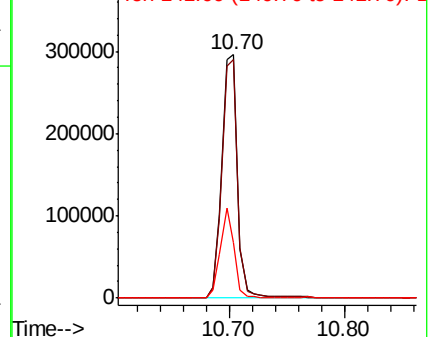
141 32.6 26.0 39.0

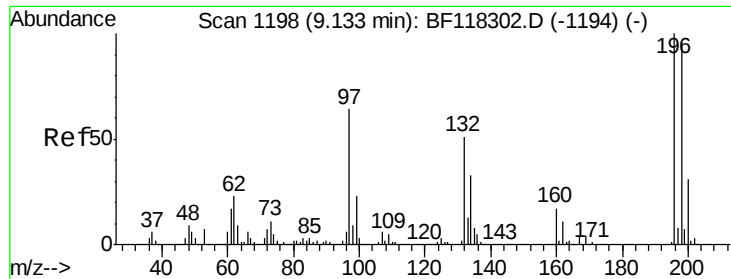


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

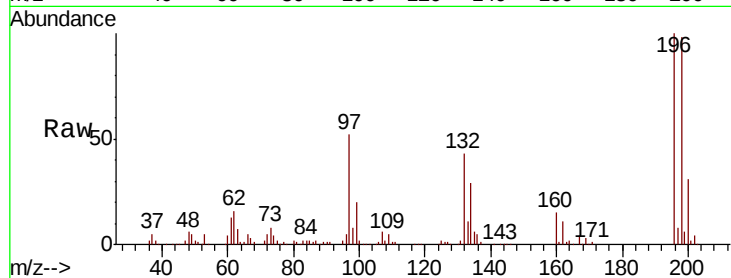




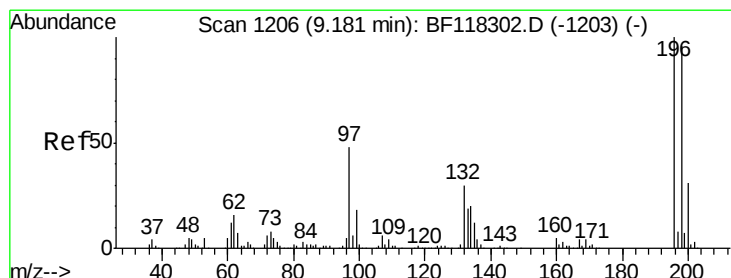
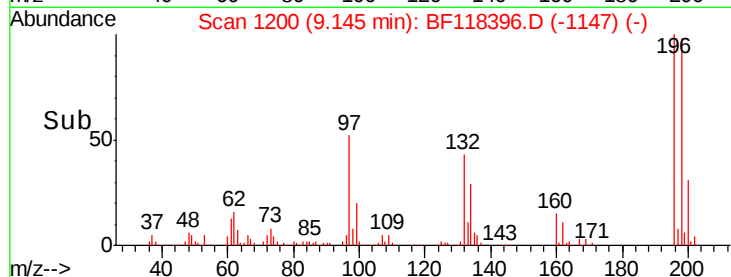
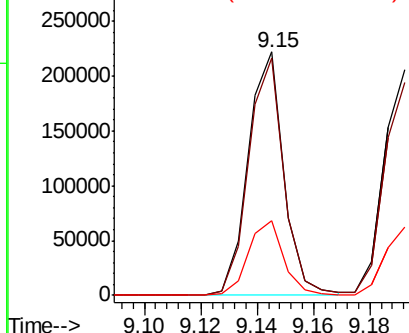
#43
 2,4,6-Trichlorophenol
 Concen: 31.474 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

Tot Ion:196 Resp: 193923
 Ion Ratio Lower Upper
 196 100
 198 97.6 76.7 115.1
 200 30.9 24.8 37.2

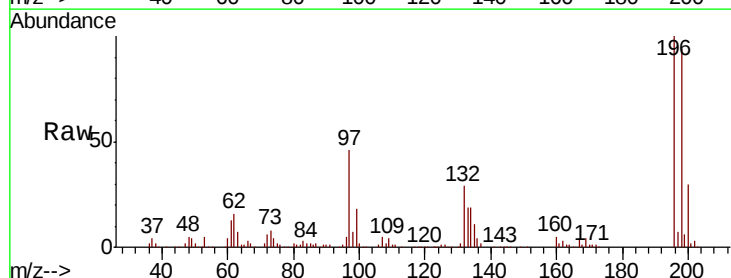


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

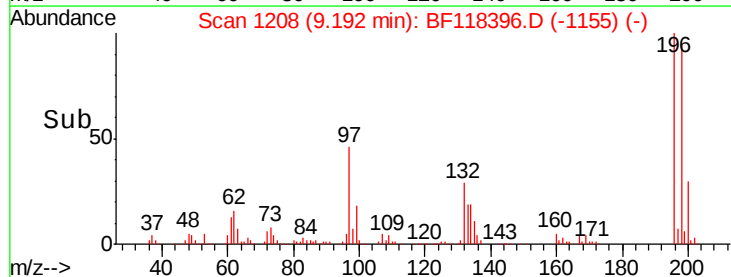
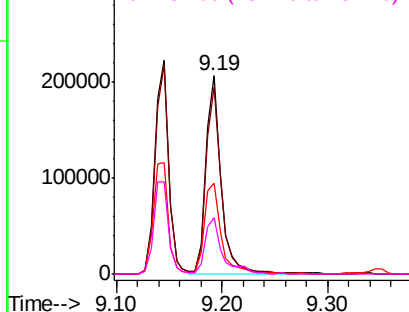


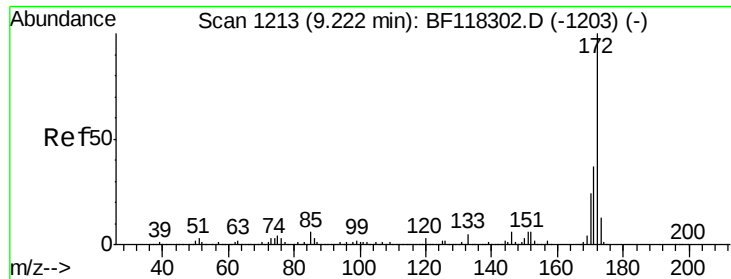
#44
 2,4,5-Trichlorophenol
 Concen: 32.402 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:196 Resp: 205370
 Ion Ratio Lower Upper
 196 100
 198 94.1 77.0 115.4
 97 45.5 38.9 58.3
 132 28.6 23.9 35.9



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

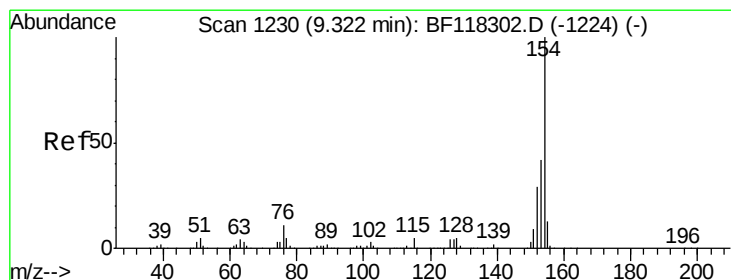
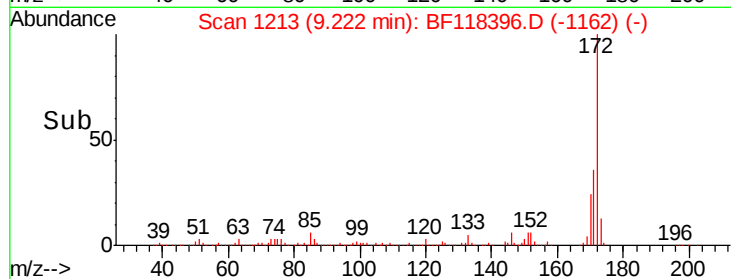
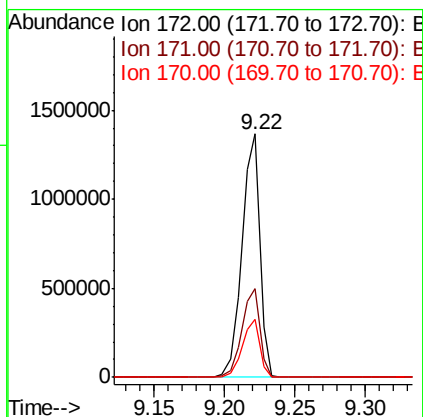
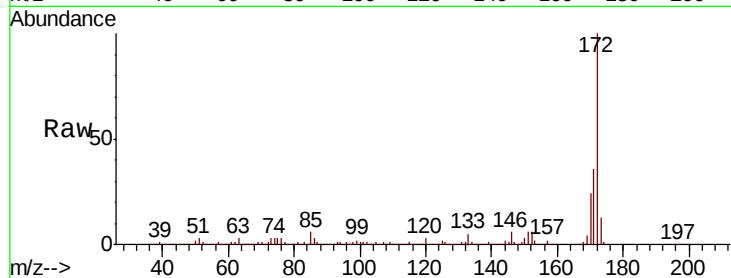




#45
2-Fluorobiphenyl
Concen: 59.914 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

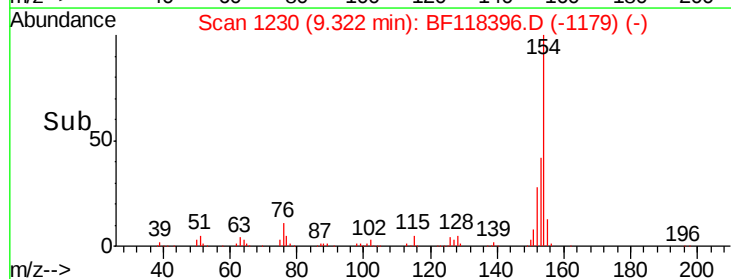
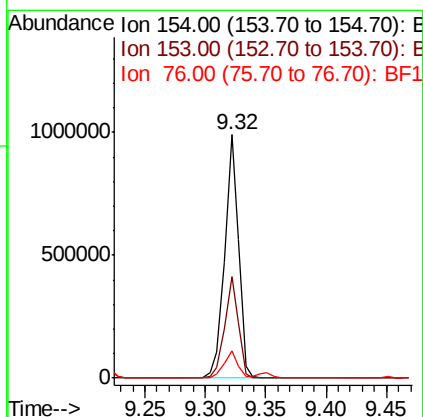
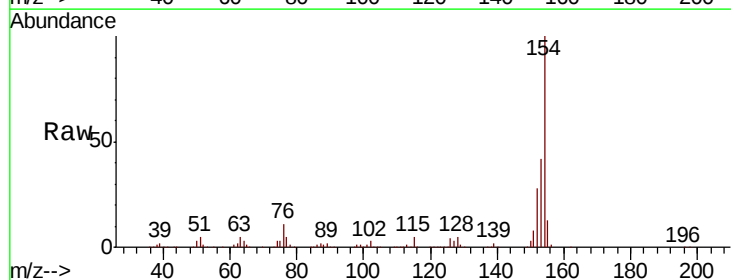
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

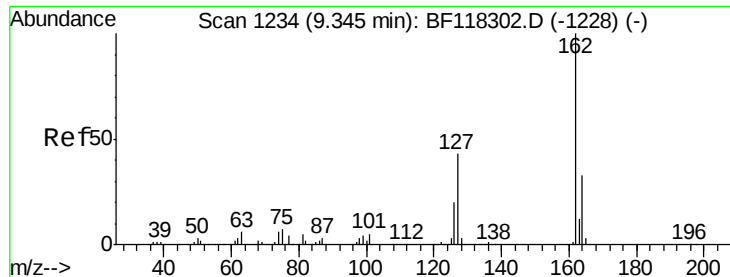
Tot Ion:172 Resp: 1204793
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 23.7 19.2 28.8



#46
1,1'-Biphenyl
Concen: 32.382 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:154 Resp: 786162
Ion Ratio Lower Upper
154 100
153 41.5 21.8 61.8
76 11.4 0.0 30.9

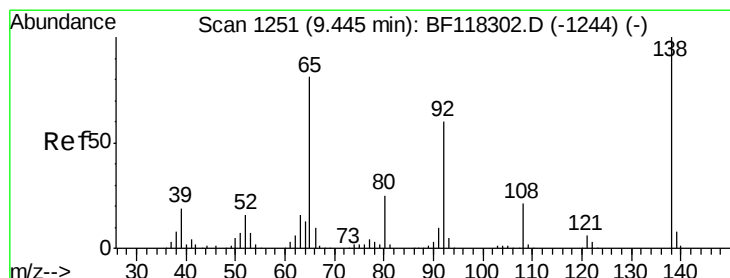
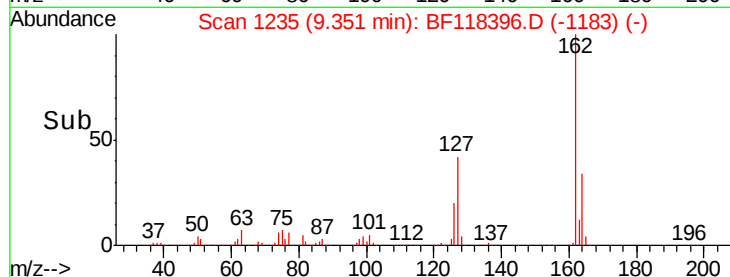
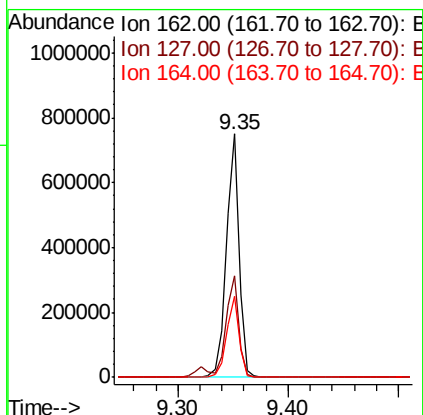
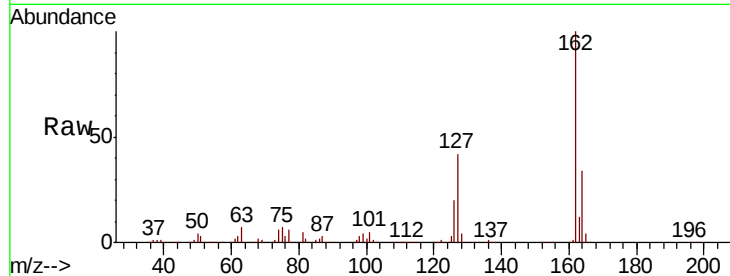




#47
 2-Chloronaphthalene
 Concen: 31.021 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

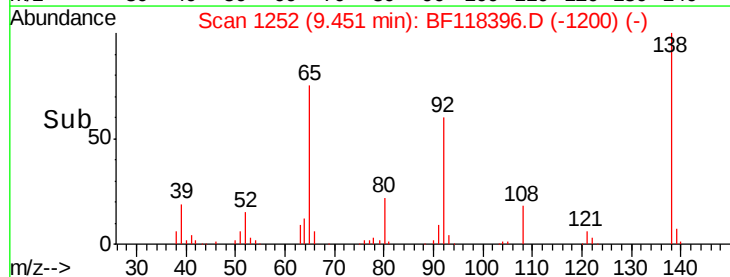
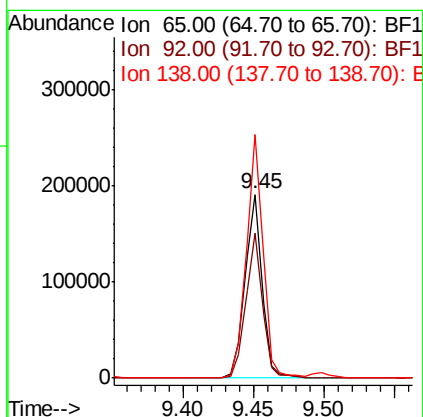
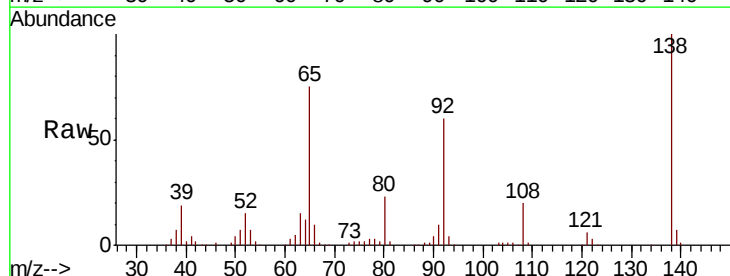
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

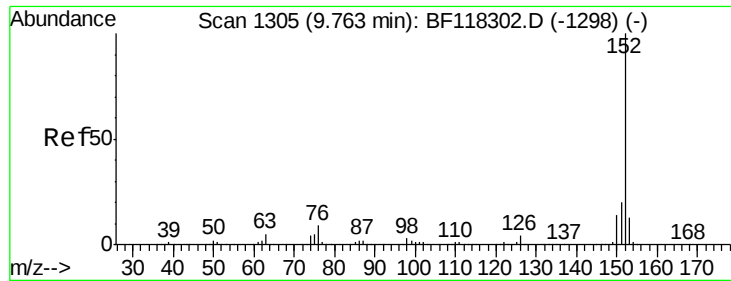
Tot Ion:	162	Resp:	606141
Ion	Ratio	Lower	Upper
162	100		
127	41.8	35.0	52.4
164	33.5	26.6	40.0



#48
 2-Nitroaniline
 Concen: 29.607 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:	65	Resp:	163403
Ion	Ratio	Lower	Upper
65	100		
92	79.0	58.7	88.1
138	132.7	98.5	147.7





#49

Acenaphthylene

Concen: 32.304 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

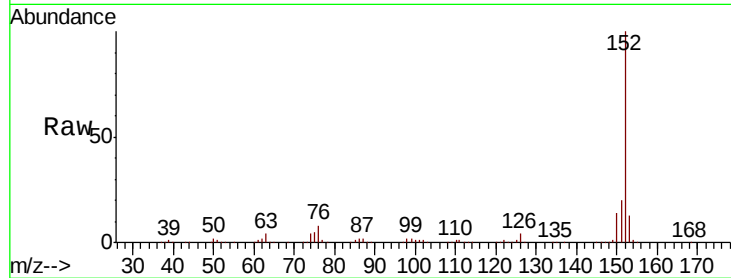
Tot Ion:152 Resp: 936164

Ion Ratio Lower Upper

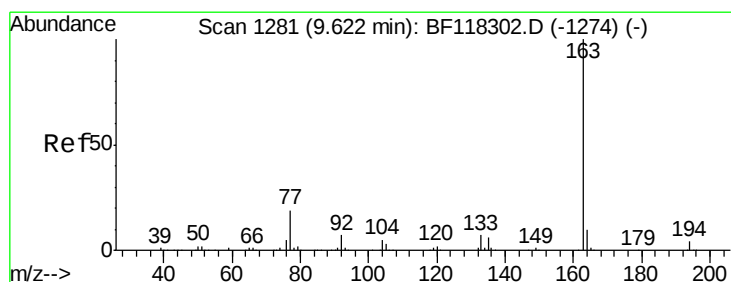
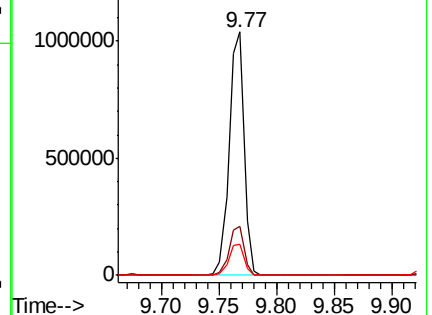
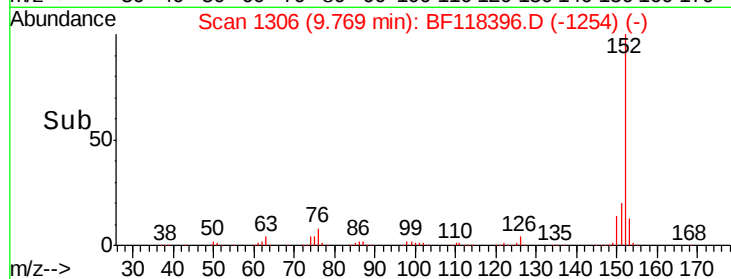
152 100

151 20.0 16.2 24.2

153 12.7 10.5 15.7



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: 35.391 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

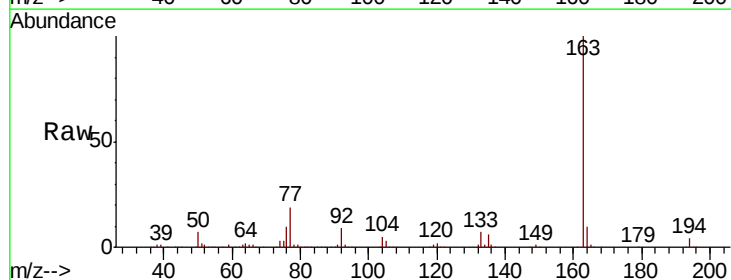
Tgt Ion:163 Resp: 815438

Ion Ratio Lower Upper

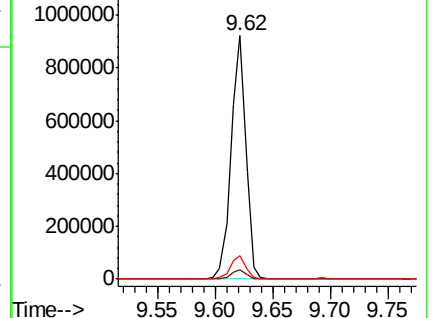
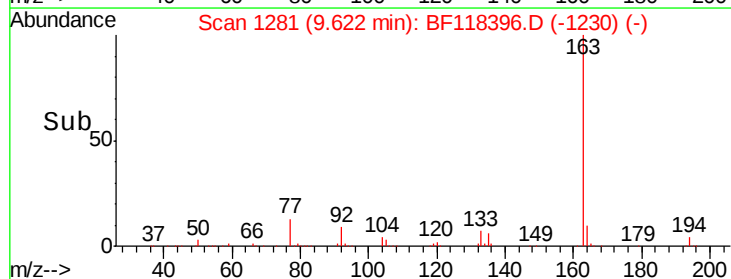
163 100

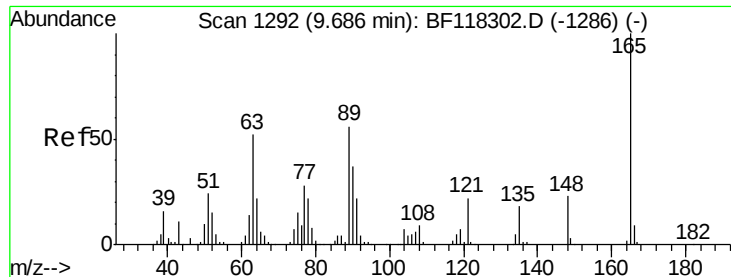
194 3.8 3.2 4.8

164 9.8 7.9 11.9



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

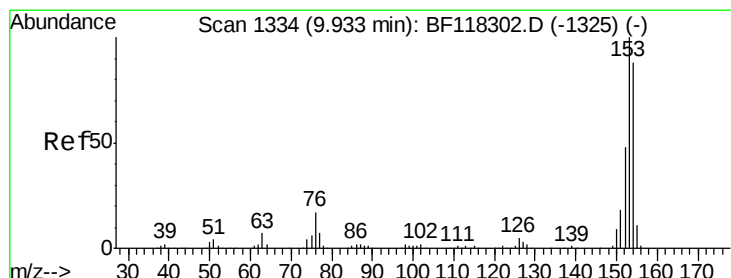
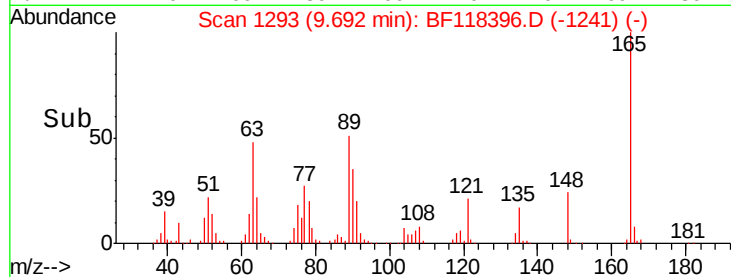
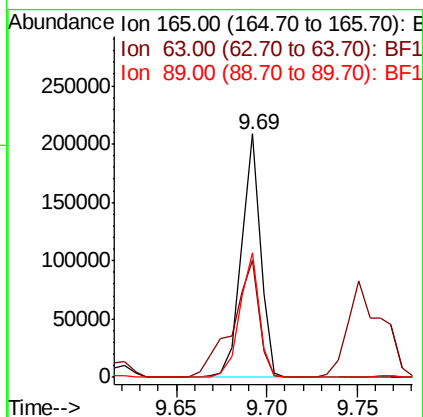
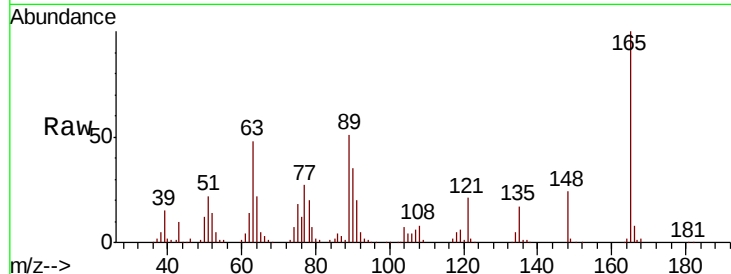




#51
 2,6-Dinitrotoluene
 Concen: 30.975 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

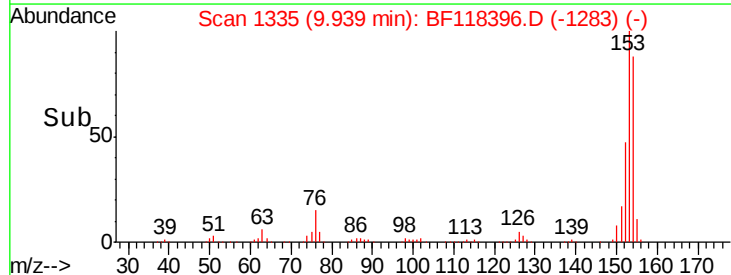
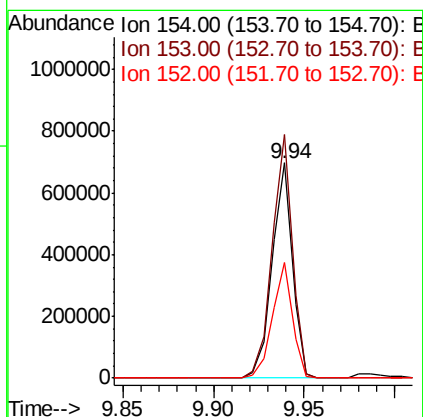
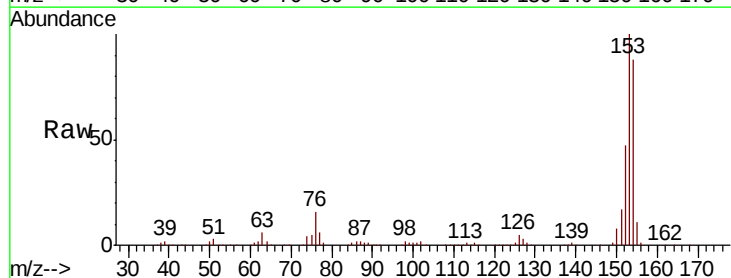
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

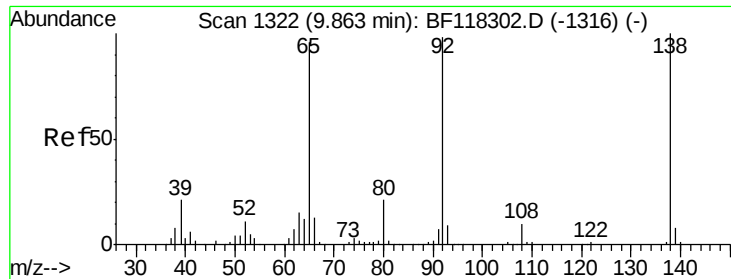
Tot Ion	Ratio	Lower	Upper
165	100		
63	48.0	42.2	63.4
89	51.4	44.4	66.6



#52
 Acenaphthene
 Concen: 30.791 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.6	136.0
152	53.5	43.1	64.7

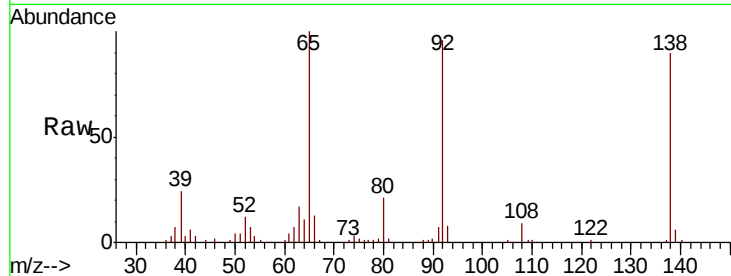




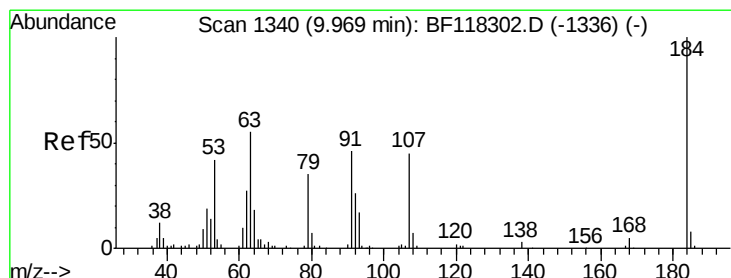
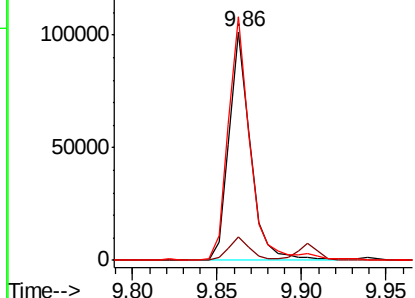
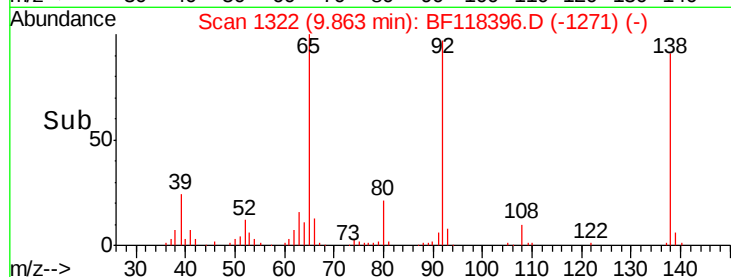
#53
3-Nitroaniline
Concen: 15.330 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:138 Resp: 89379
Ion Ratio Lower Upper
138 100
108 10.5 7.8 11.8
92 106.5 78.2 117.2

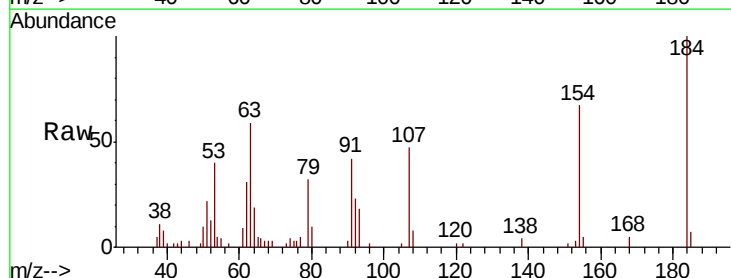


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

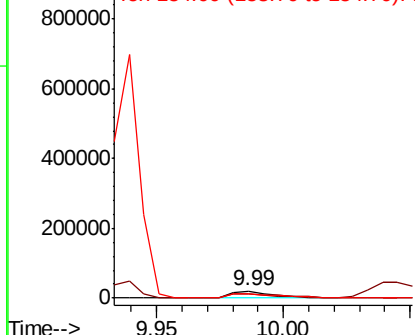
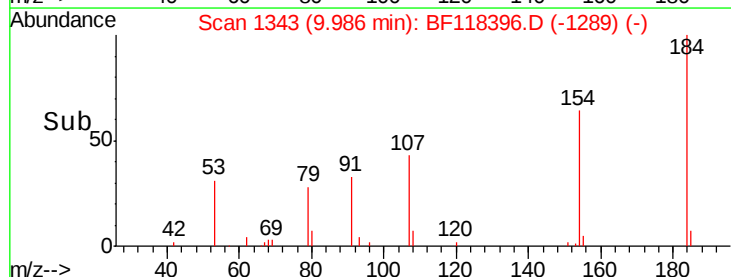


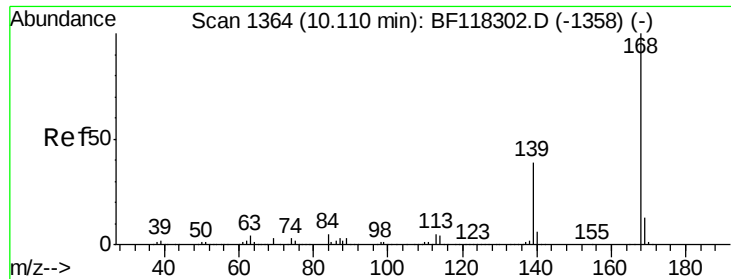
#54
2,4-Dinitrophenol
Concen: 15.361 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:184 Resp: 27256
Ion Ratio Lower Upper
184 100
63 58.8 48.8 73.2
154 66.6 55.0 82.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

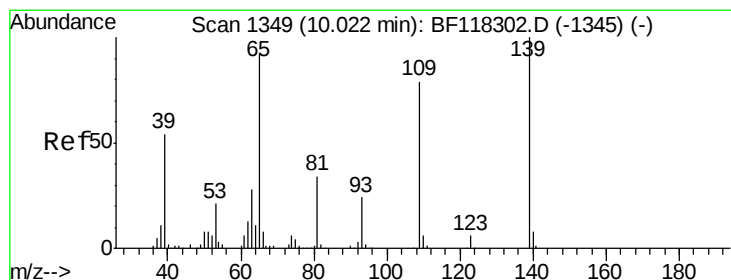
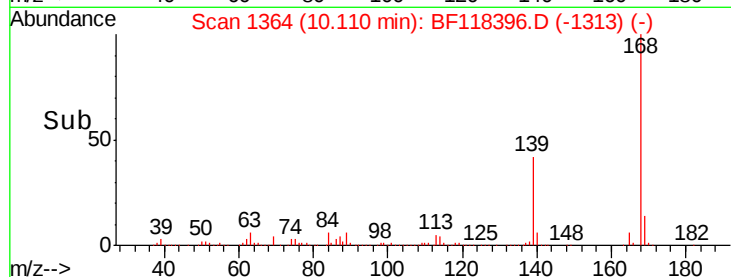
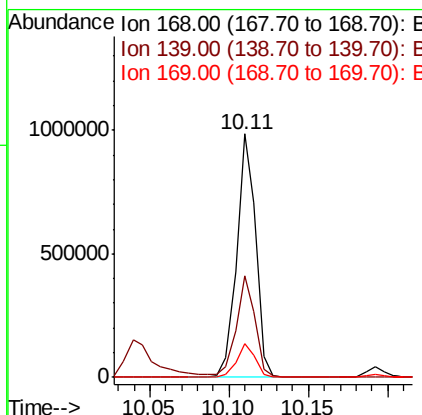
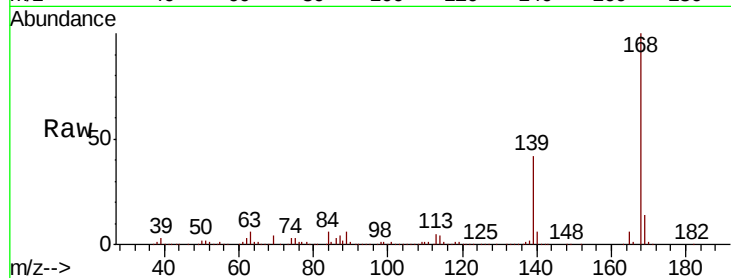




#55
Dibenzofuran
Concen: 31.287 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

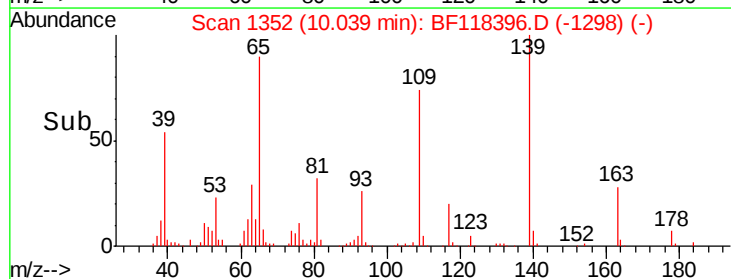
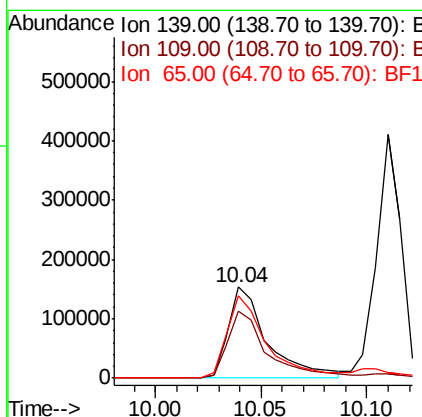
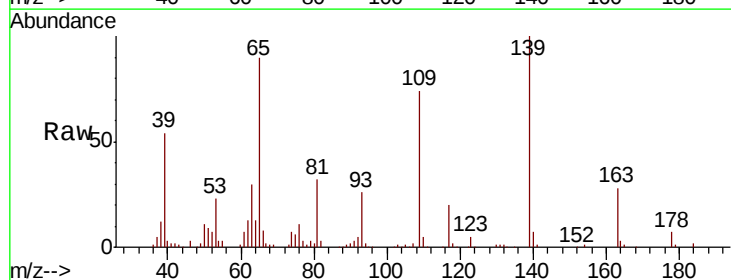
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

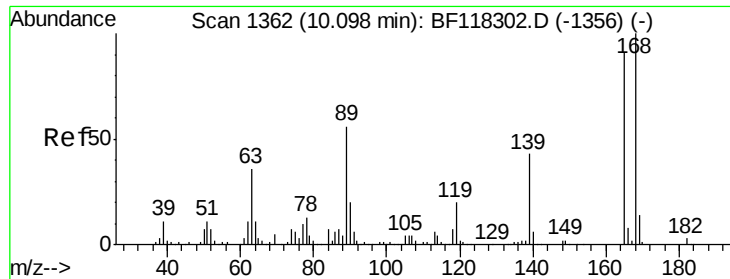
Tot Ion:168 Resp: 816022
Ion Ratio Lower Upper
168 100
139 41.6 31.5 47.3
169 13.8 10.4 15.6



#56
4-Nitrophenol
Concen: 55.043 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:139 Resp: 198117
Ion Ratio Lower Upper
139 100
109 74.2 59.3 99.3
65 89.8 72.4 112.4

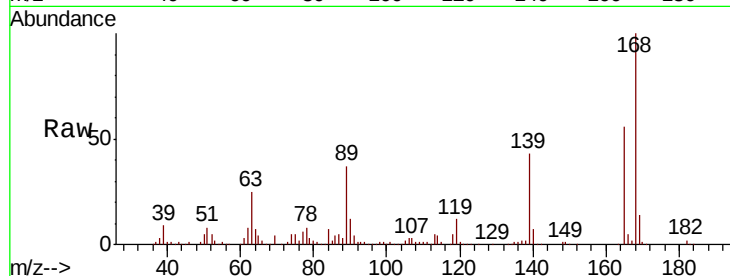




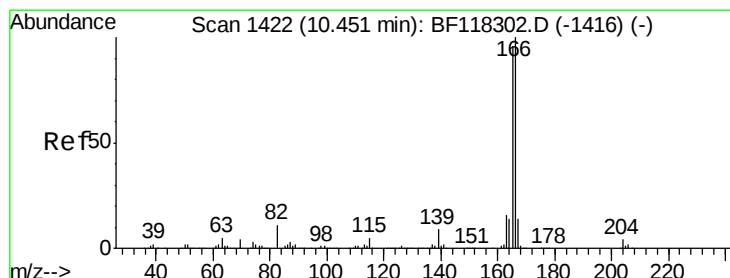
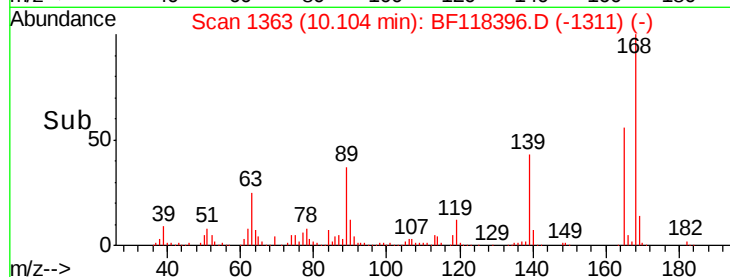
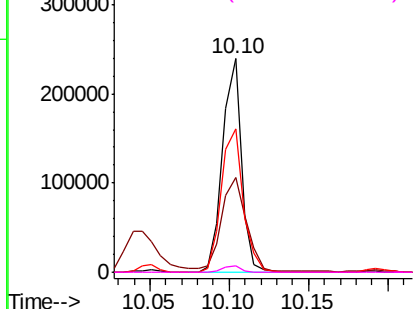
#57
2,4-Dinitrotoluene
Concen: 29.958 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:165 Resp: 198846
Ion Ratio Lower Upper
165 100
63 44.1 32.0 48.0
89 67.0 49.3 73.9
182 3.0 2.4 3.6

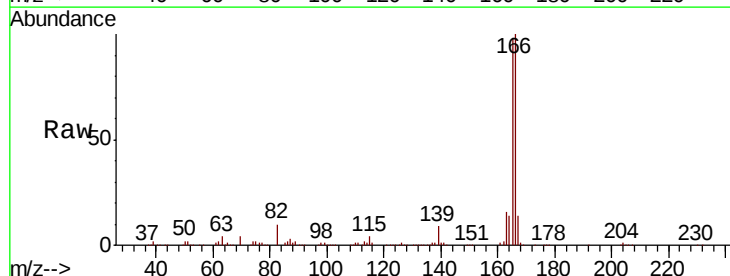


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

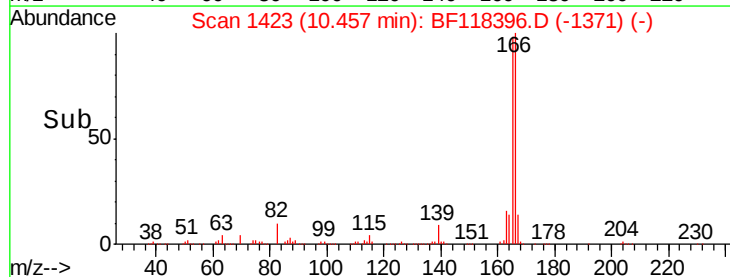
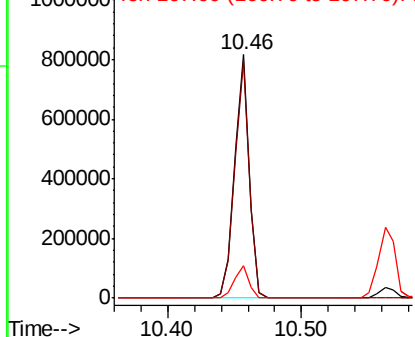


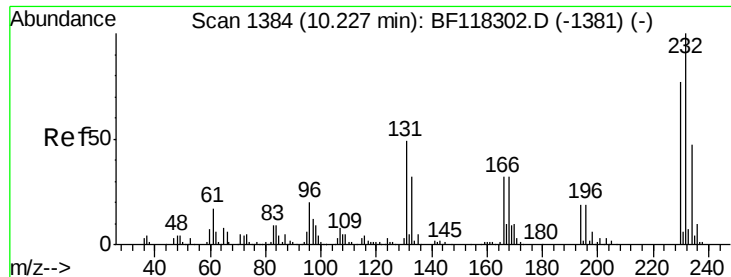
#58
Fluorene
Concen: 30.173 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:166 Resp: 635285
Ion Ratio Lower Upper
166 100
165 97.5 77.0 115.4
167 13.5 10.9 16.3



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: 29.638 ng

RT: 10.23 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

Tot Ion:232 Resp: 159614

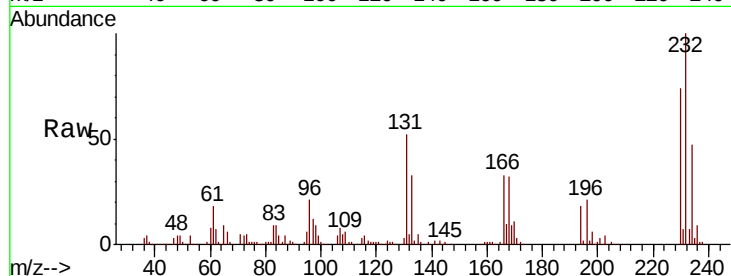
Ion Ratio Lower Upper

232 100

131 45.5 37.7 56.5

130 2.3 2.0 3.0

166 30.4 24.7 37.1

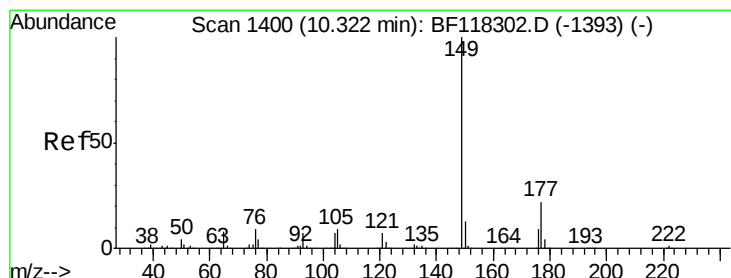
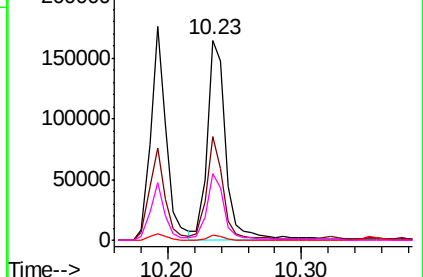
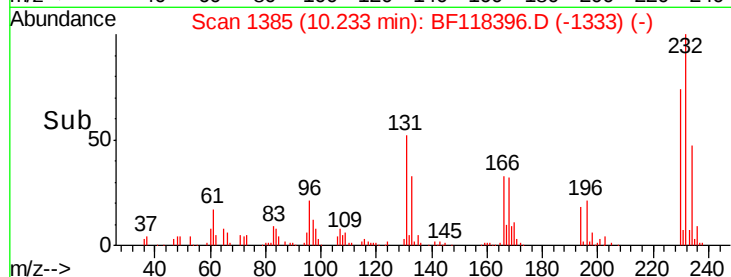


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 32.447 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

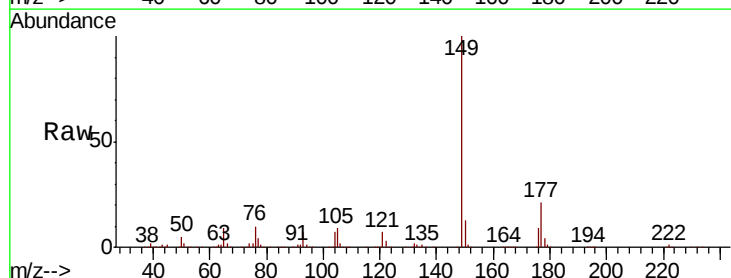
Tgt Ion:149 Resp: 739616

Ion Ratio Lower Upper

149 100

177 21.3 17.9 26.9

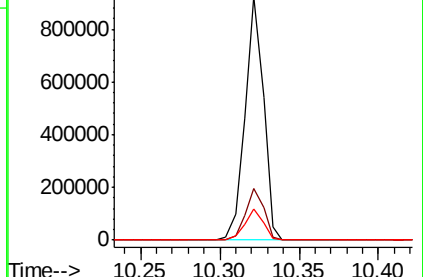
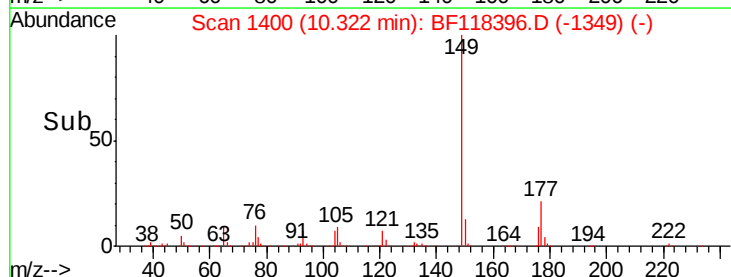
150 13.0 10.2 15.2

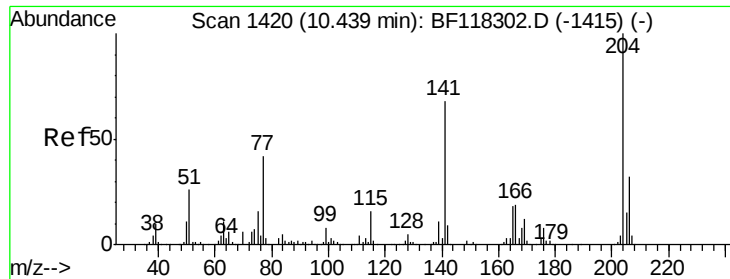


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

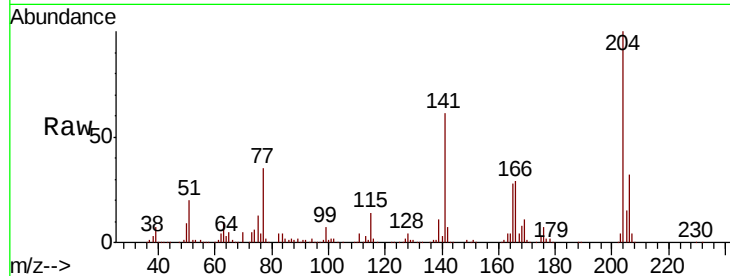




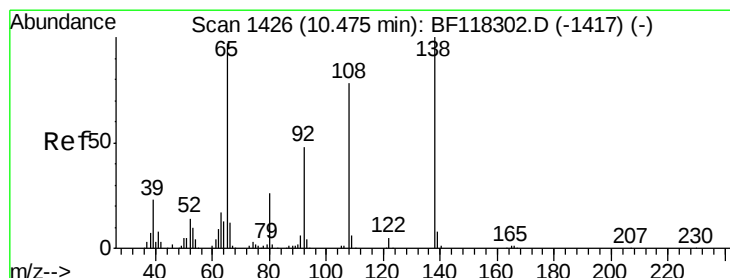
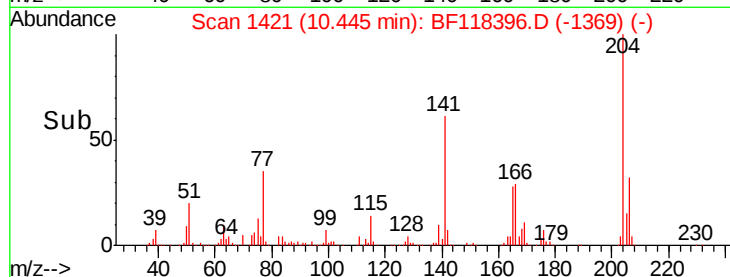
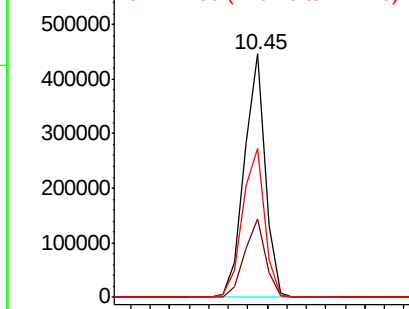
#61
4-Chlorophenyl-phenylether
Concen: 31.515 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.8	38.8
141	61.0	54.2	81.4

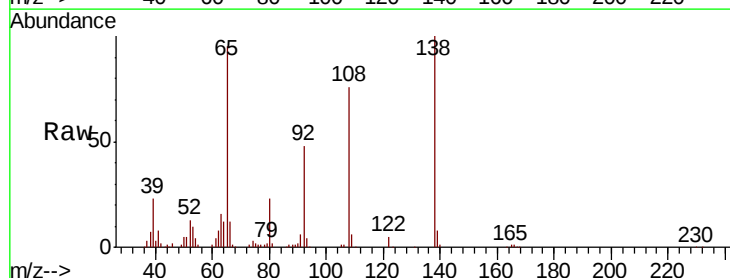


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

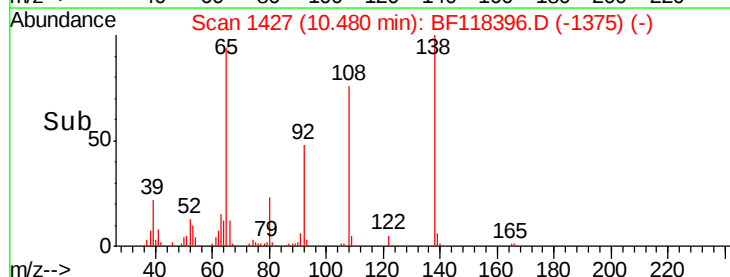
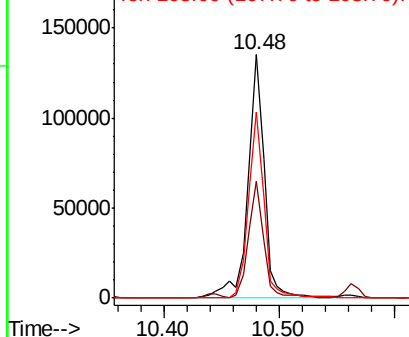


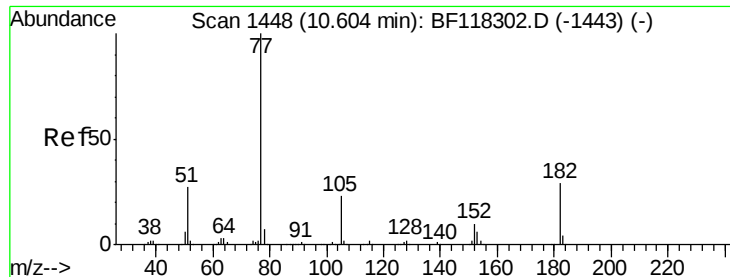
#62
4-Nitroaniline
Concen: 22.236 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.0	27.9	67.9
108	76.4	58.1	98.1



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 30.882 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

Tot Ion: 77 Resp: 602967

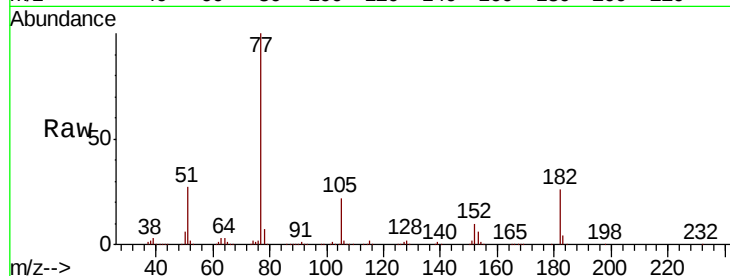
Ion Ratio Lower Upper

77 100

182 25.6 9.2 49.2

105 22.3 3.2 43.2

51 27.2 7.1 47.1

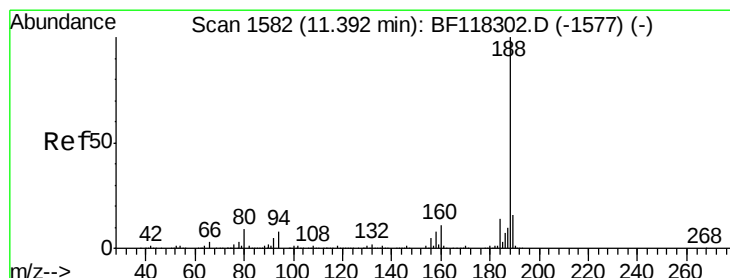
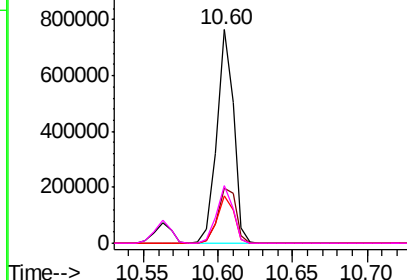
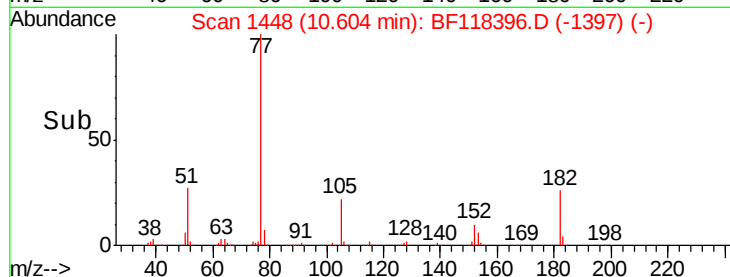


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

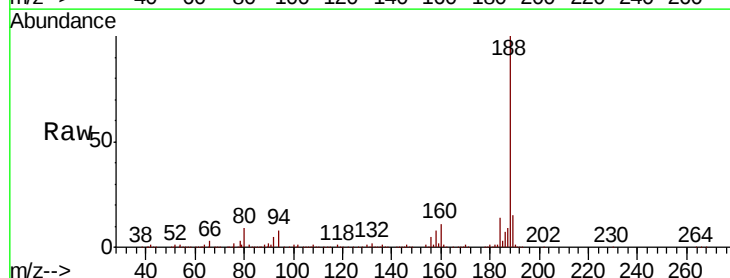
Tgt Ion: 188 Resp: 491416

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

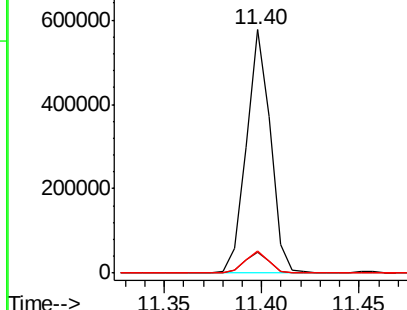
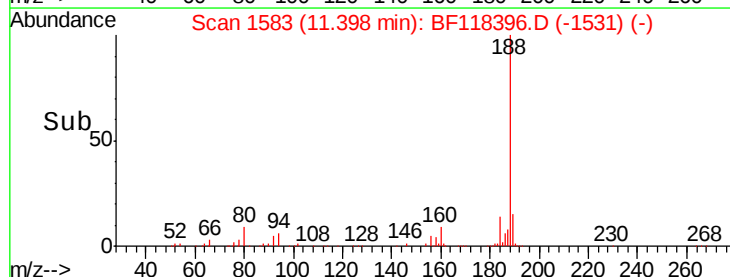
80 9.2 7.2 10.8

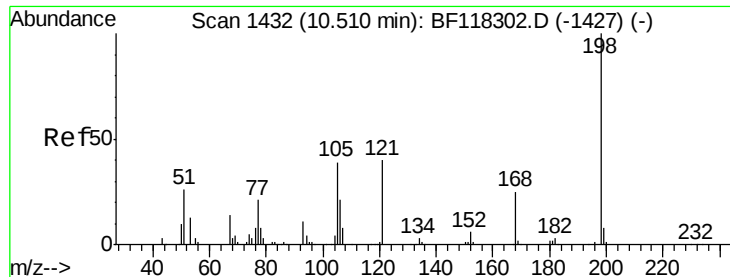


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 10.988 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

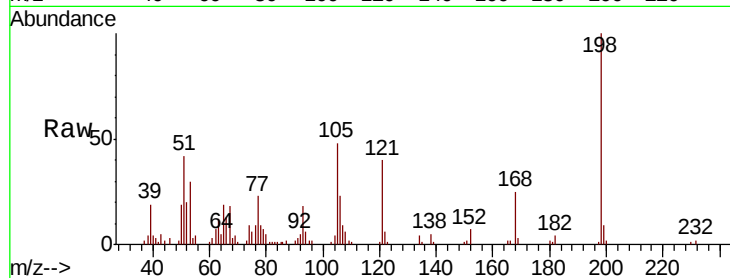
Tot Ion:198 Resp: 29128

Ion Ratio Lower Upper

198 100

51 42.4 12.8 52.8

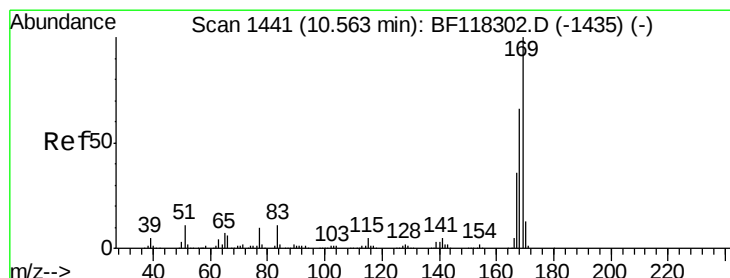
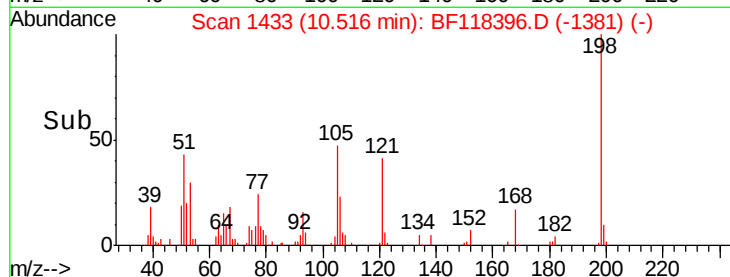
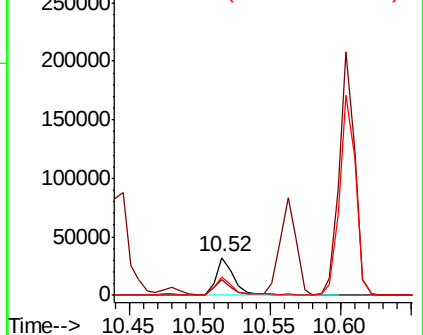
105 47.5 20.3 60.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 36.574 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

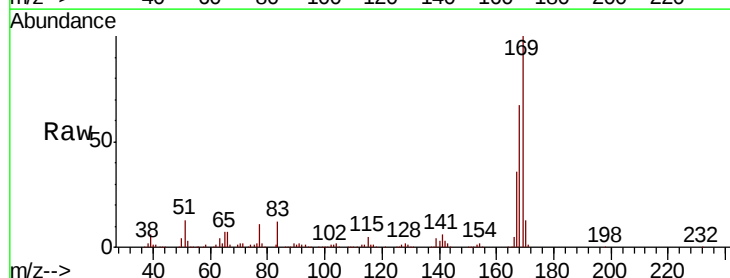
Tgt Ion:169 Resp: 576037

Ion Ratio Lower Upper

169 100

168 67.0 52.6 79.0

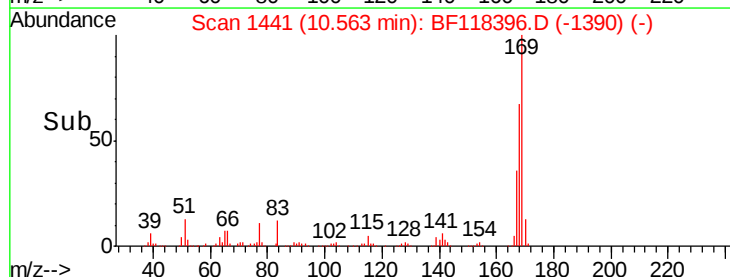
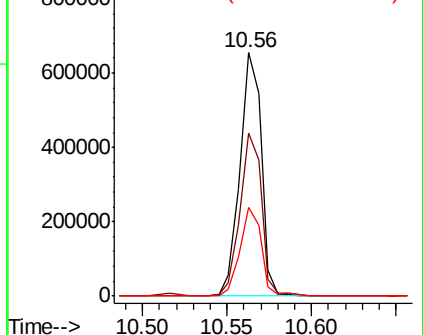
167 36.3 28.4 42.6

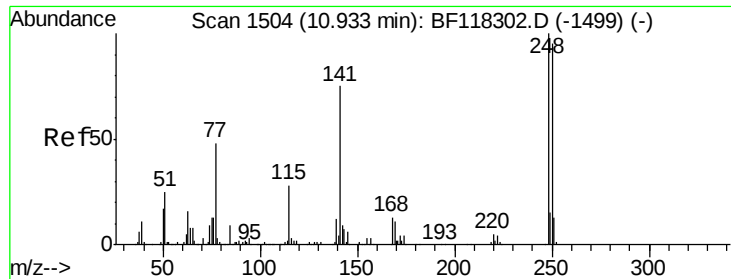


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

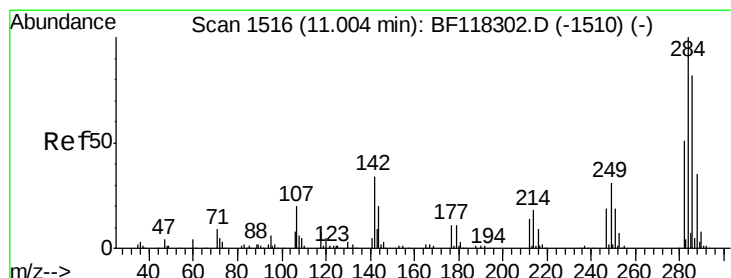
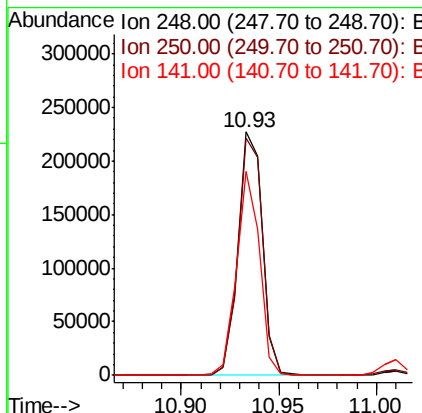
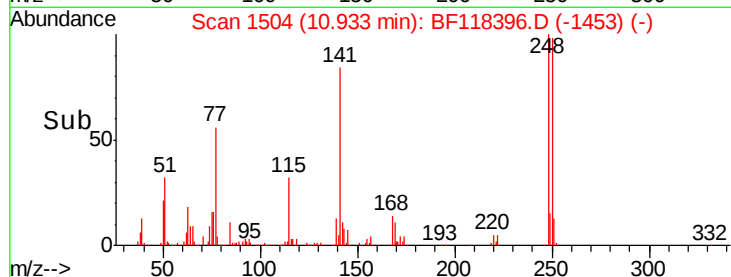
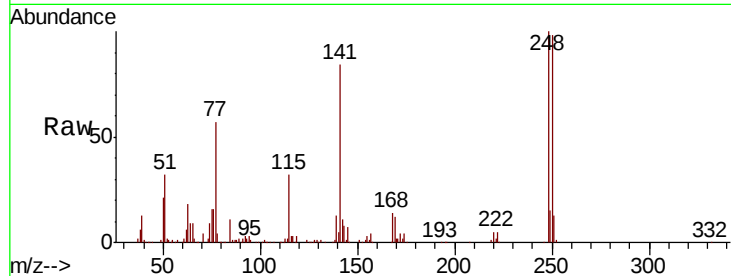




#67
4-Bromophenyl-phenylether
Concen: 34.274 ng
RT: 10.93 min Scan# 1504
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

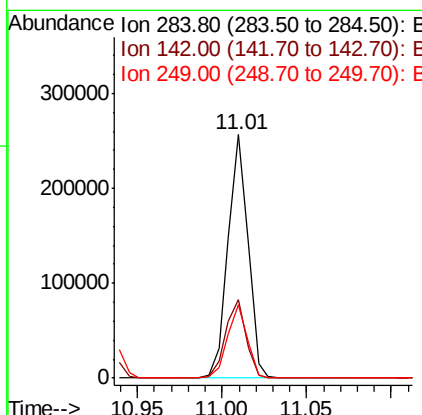
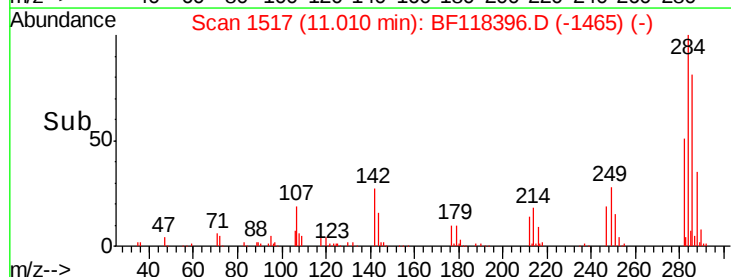
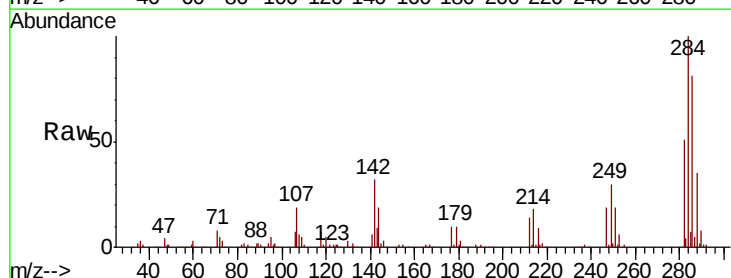
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:248 Resp: 197109
Ion Ratio Lower Upper
248 100
250 97.5 76.4 114.6
141 83.6 60.2 90.2



#68
Hexachlorobenzene
Concen: 31.131 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:284 Resp: 210736
Ion Ratio Lower Upper
284 100
142 32.3 27.3 40.9
249 30.2 25.0 37.6

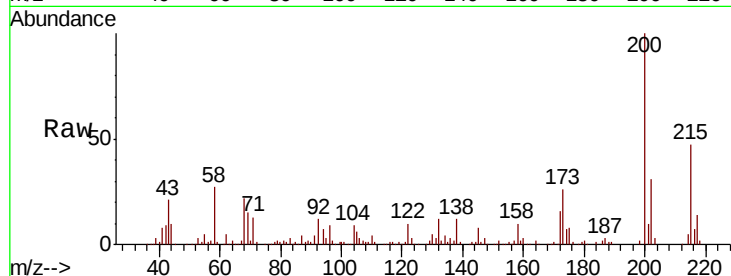




#69
Atrazine
Concen: 39.942 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.8	45.8
215	47.0	25.1	65.1

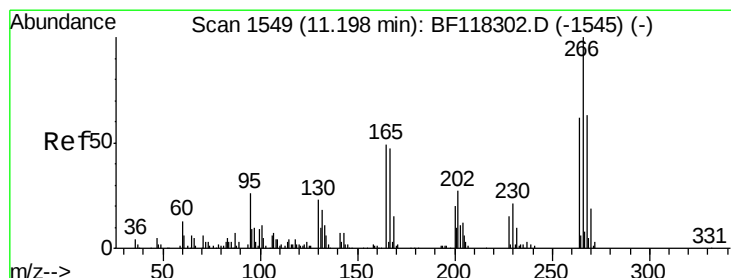
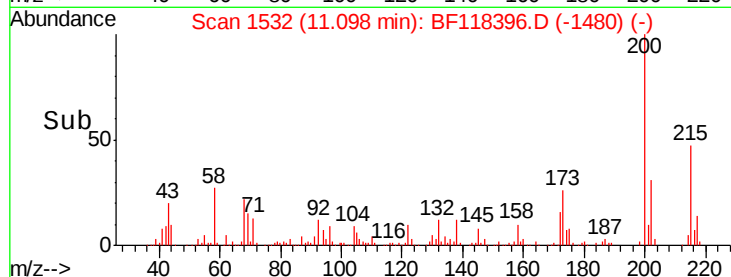
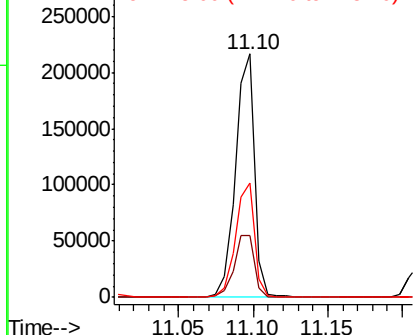


Abundance

Ion 200.00 (199.70 to 200.70): E

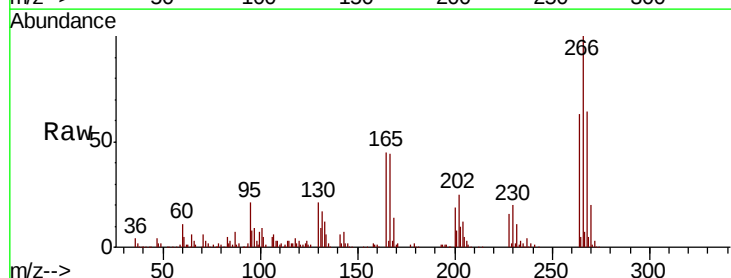
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 52.606 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.6	76.0
264	63.4	49.9	74.9

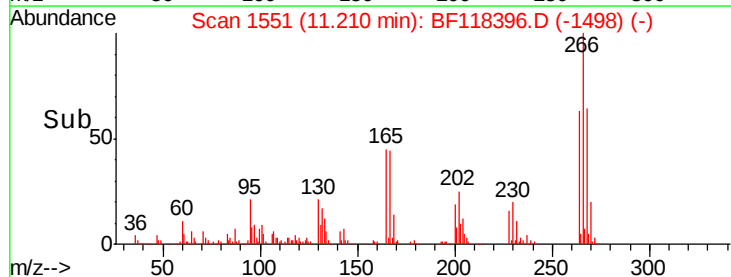
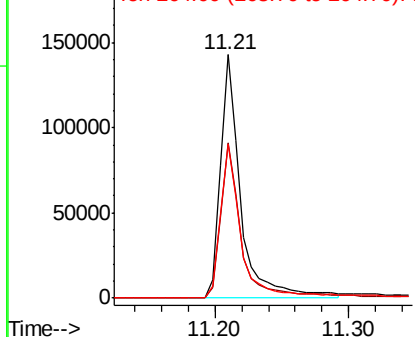


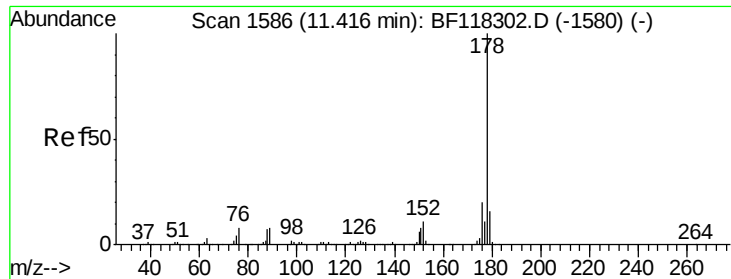
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

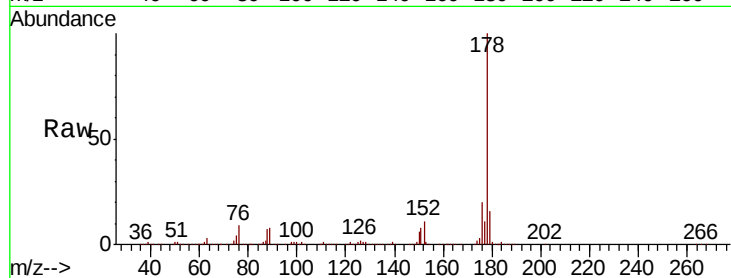




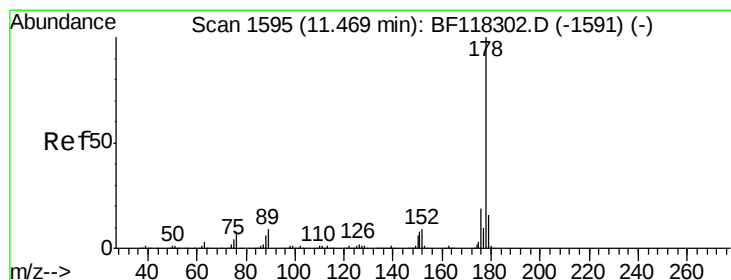
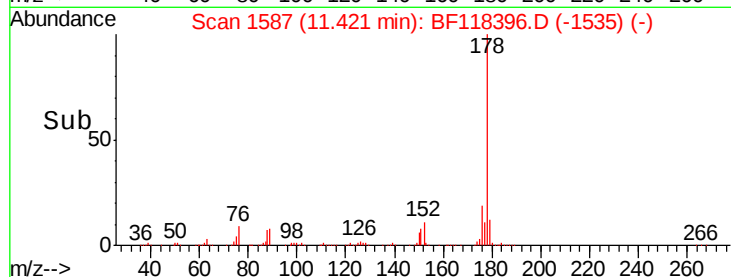
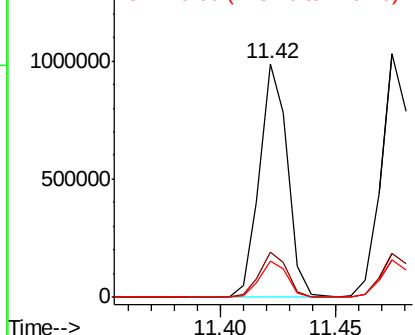
#71
Phenanthrene
Concen: 31.404 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion:178 Resp: 841303
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.6 19.0

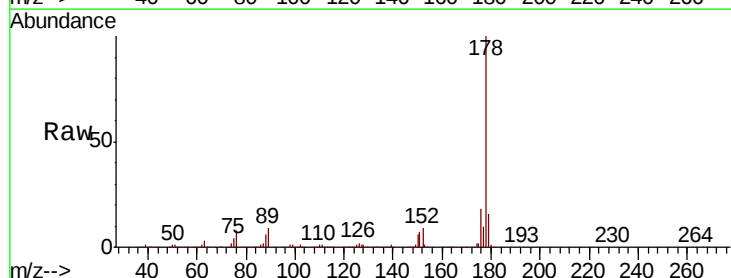


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

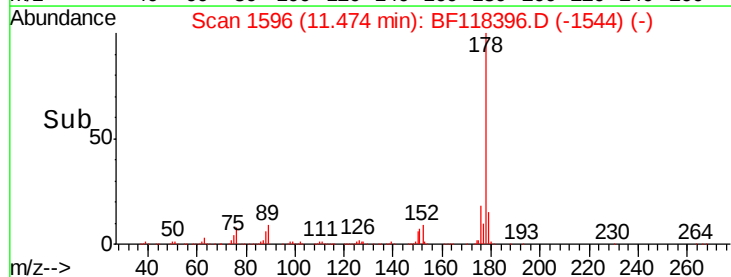
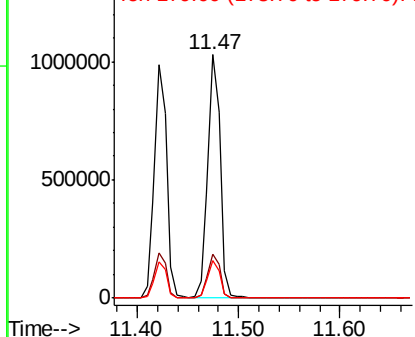


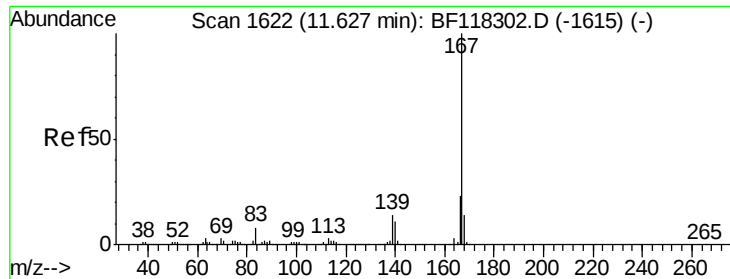
#72
Anthracene
Concen: 32.755 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:178 Resp: 878317
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.6 12.9 19.3



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

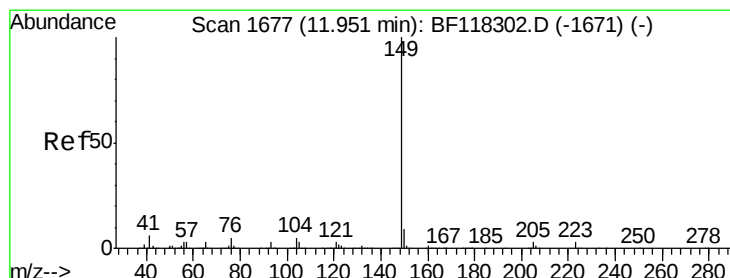
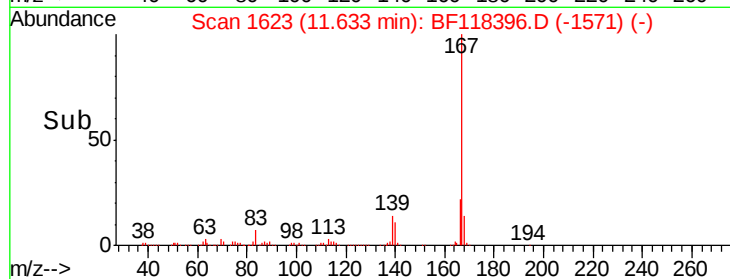
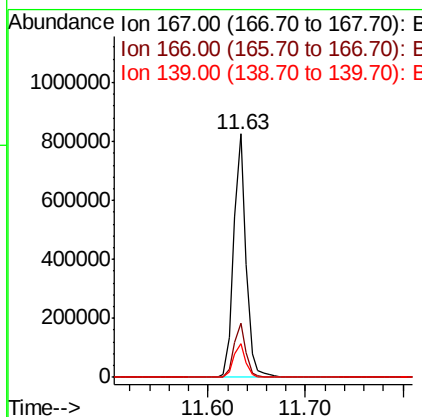
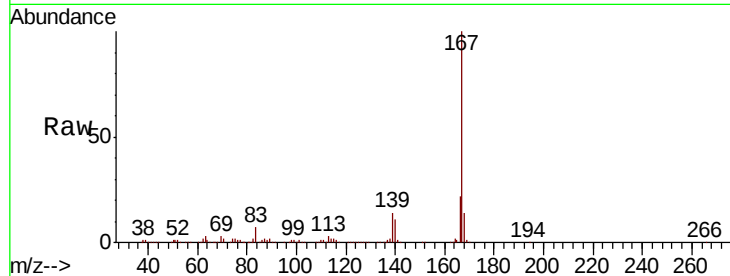




#73
 Carbazole
 Concen: 30.433 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

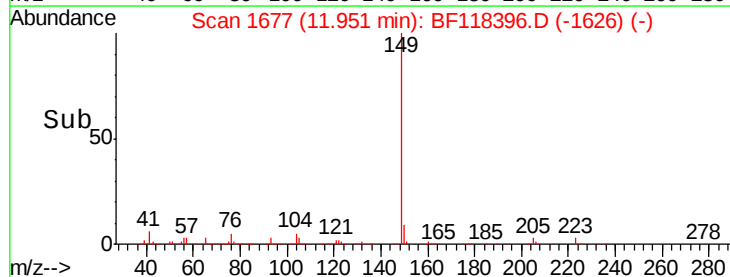
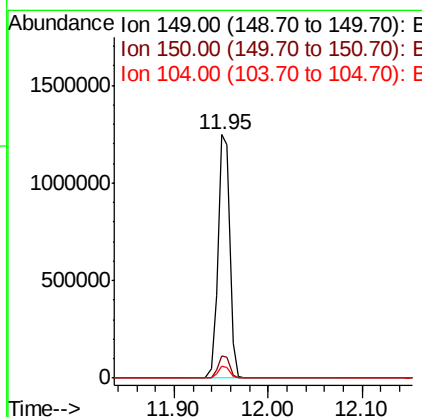
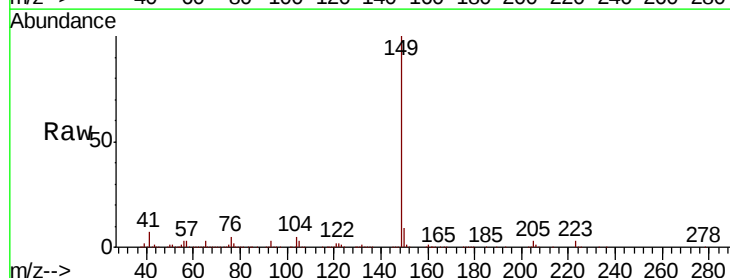
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

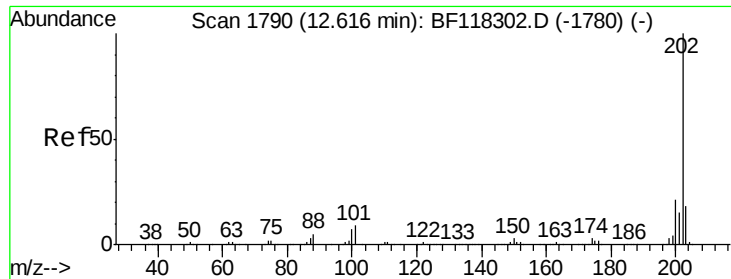
Tot Ion:167 Resp: 724121
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 13.8 11.5 17.3



#74
 Di-n-butylphthalate
 Concen: 36.590 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion:149 Resp: 1103910
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 5.1 4.0 6.0

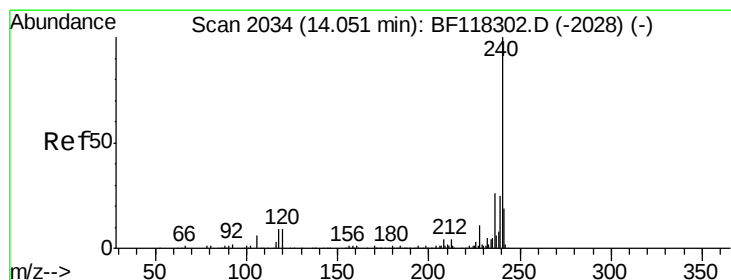
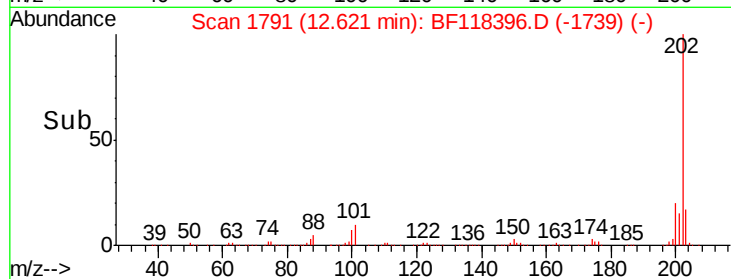
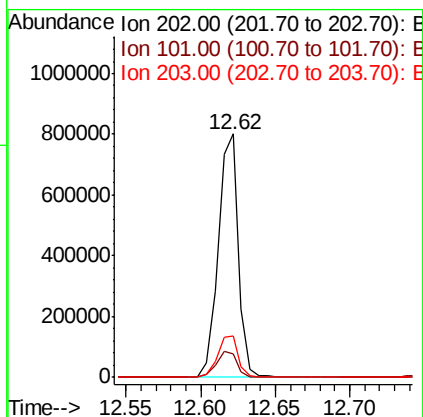
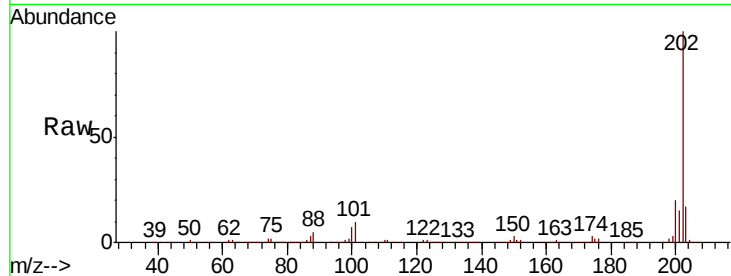




#75
 Fluoranthene
 Concen: 27.975 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

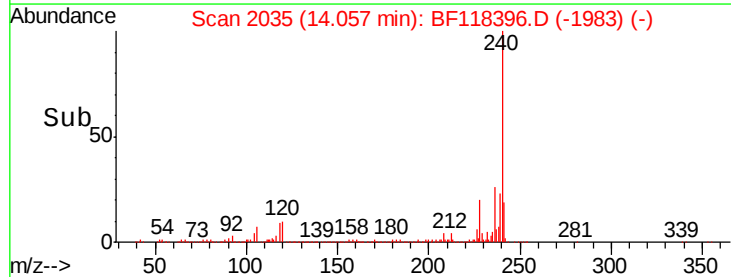
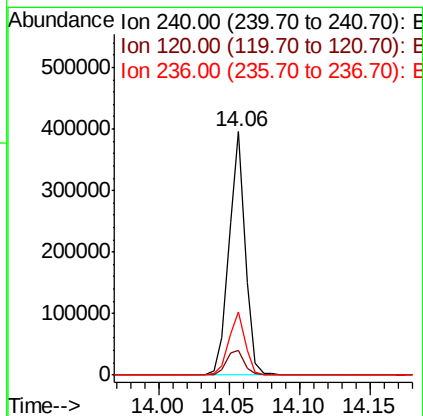
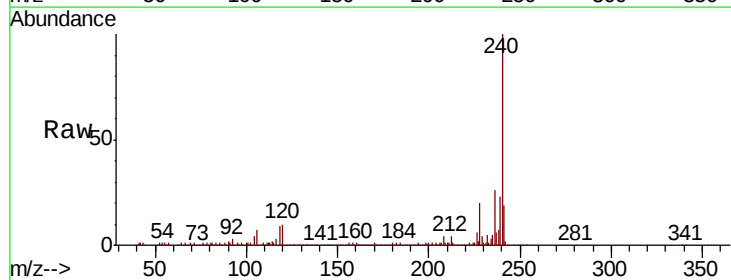
Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MS

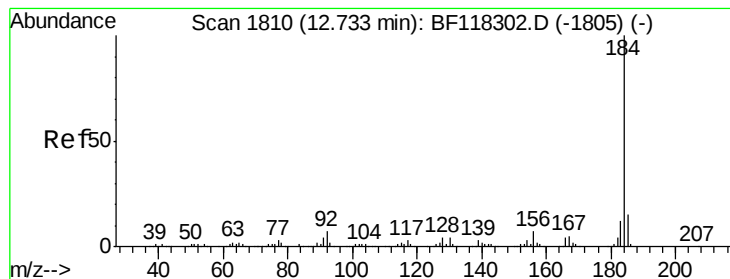
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.5
203	16.8	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF118396.D
 Acq: 30 Dec 2019 22:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.1	10.7
236	25.9	21.0	31.6





#77

Benzidine

Concen: 64.249 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

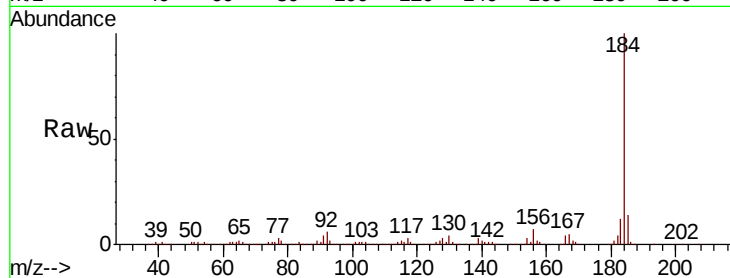
Tot Ion:184 Resp: 553641

Ion Ratio Lower Upper

184 100

185 13.9 12.3 18.5

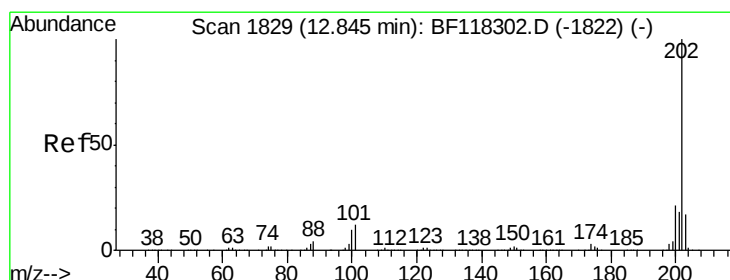
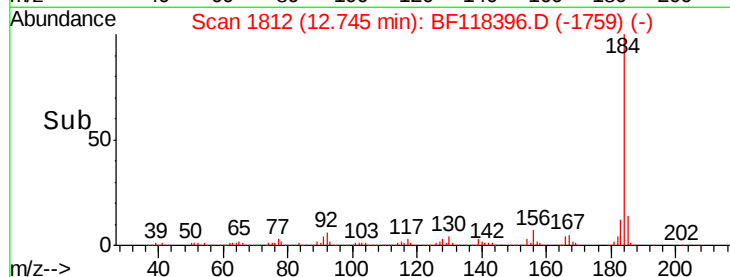
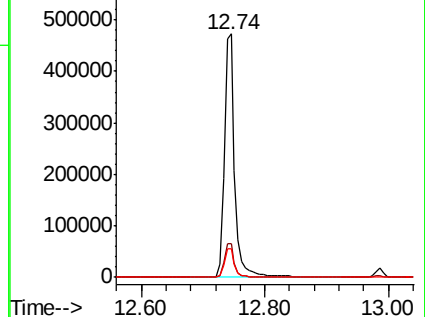
183 11.8 9.4 14.2



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: 29.143 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

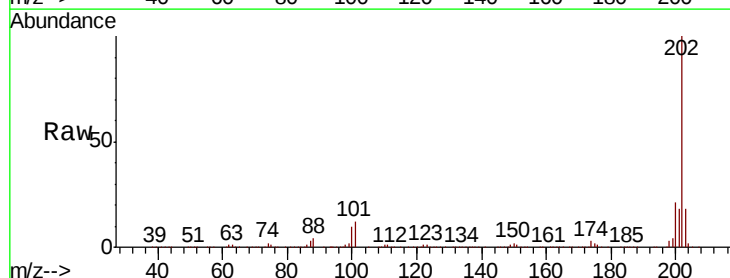
Tgt Ion:202 Resp: 748420

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

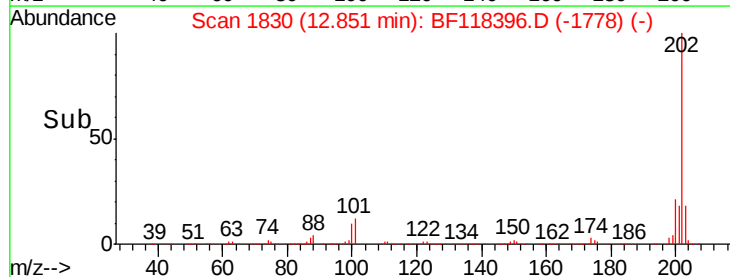
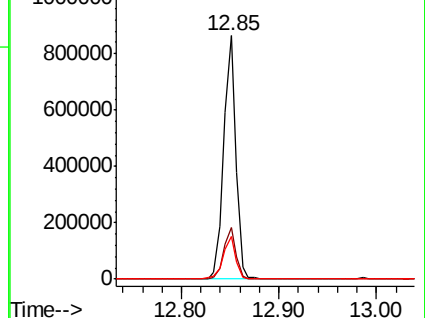
203 17.7 13.9 20.9

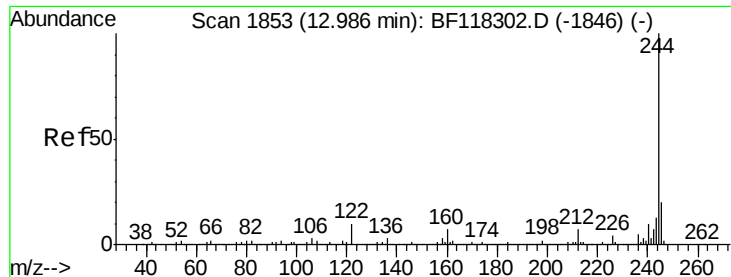


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.964 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

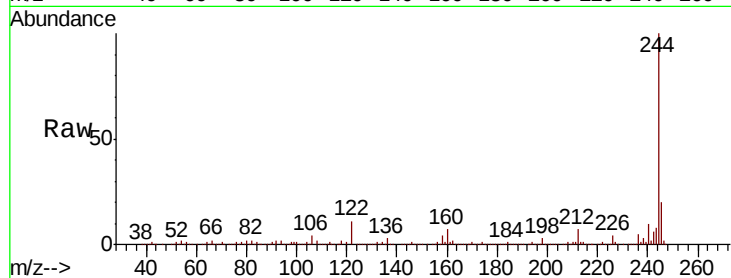
Tot Ion:244 Resp: 1079807

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

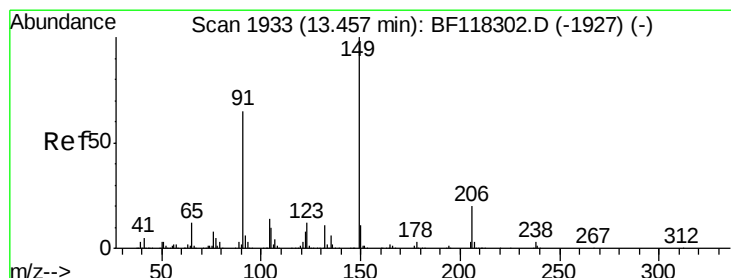
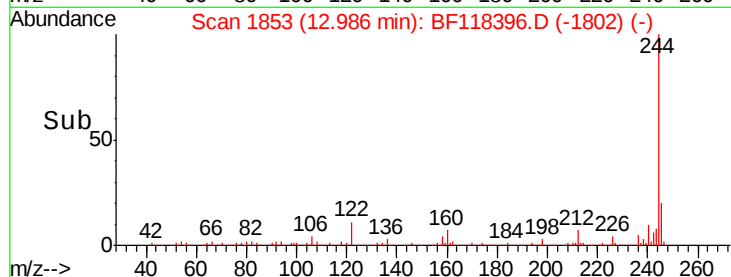
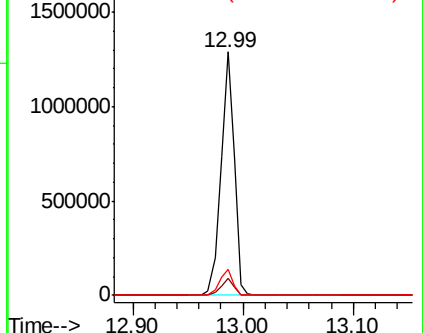
122 10.9 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 33.133 ng

RT: 13.46 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

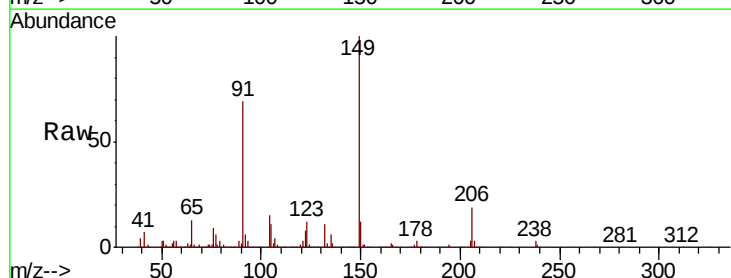
Tgt Ion:149 Resp: 383119

Ion Ratio Lower Upper

149 100

91 68.6 51.8 77.6

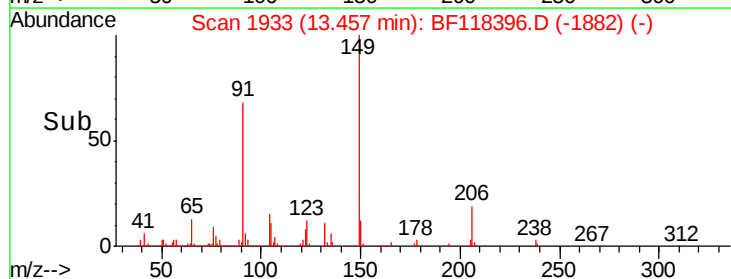
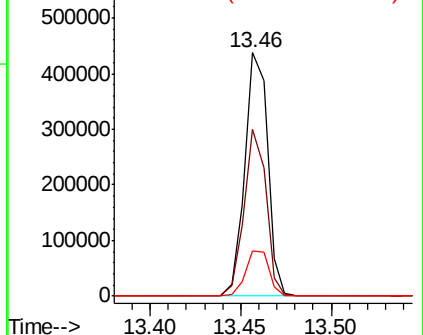
206 18.8 15.7 23.5

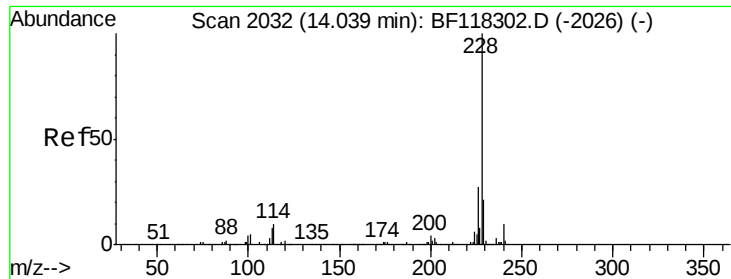


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 31.442 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

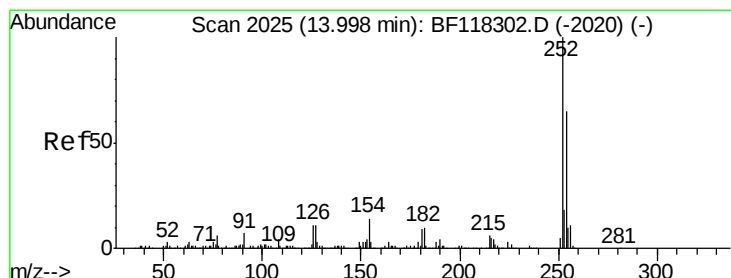
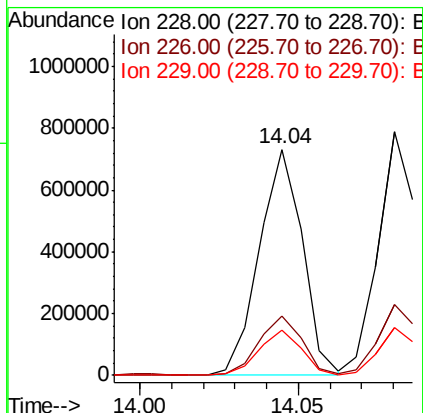
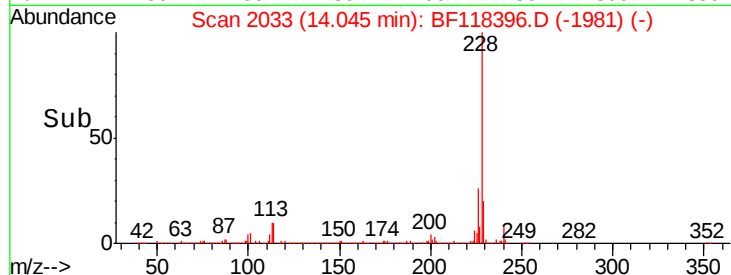
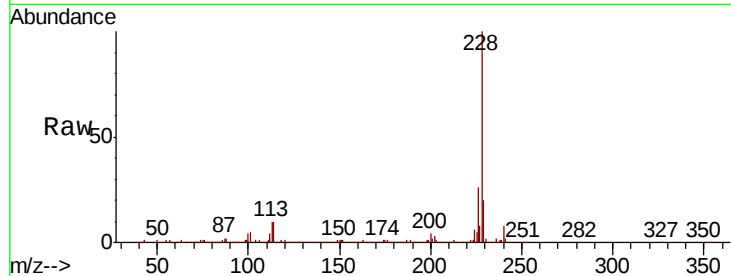
Tot Ion:228 Resp: 692135

Ion Ratio Lower Upper

228 100

226 26.2 22.0 33.0

229 20.0 16.6 24.8



#82

3,3'-Dichlorobenzidine

Concen: 36.701 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

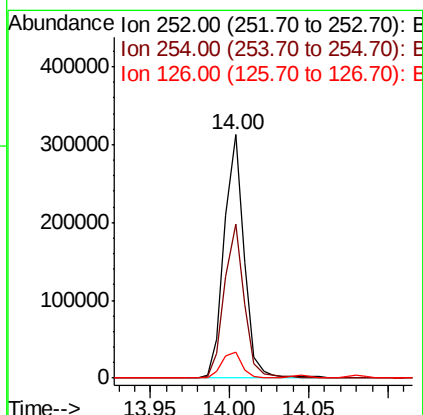
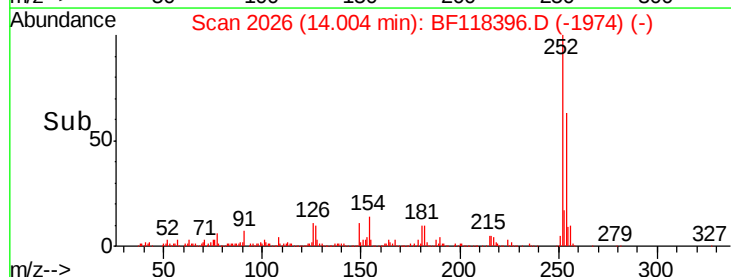
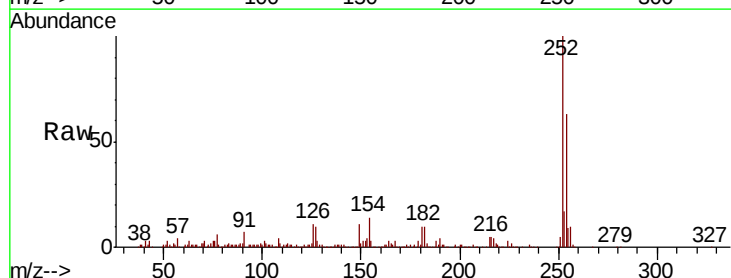
Tgt Ion:252 Resp: 273926

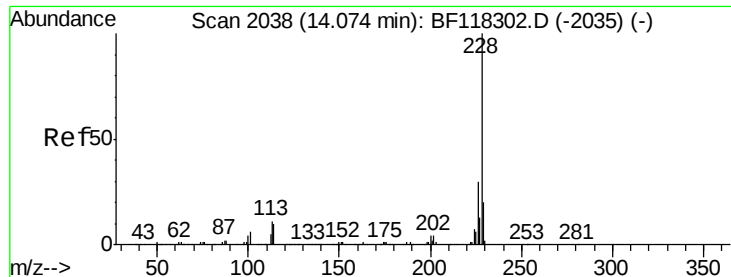
Ion Ratio Lower Upper

252 100

254 63.1 51.8 77.8

126 10.6 8.7 13.1





#83

Chrysene

Concen: 31.386 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

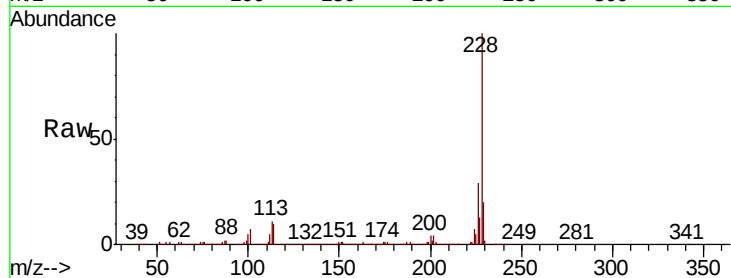
Tot Ion:228 Resp: 661553

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

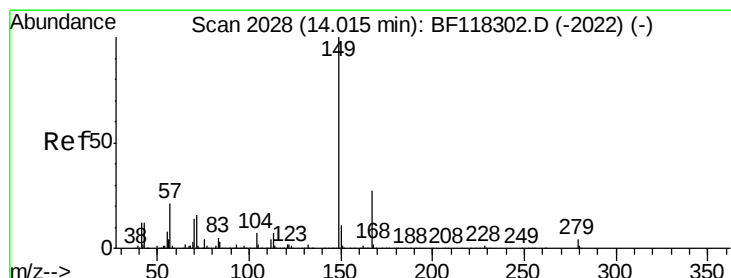
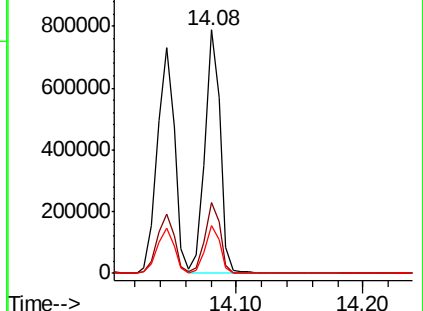
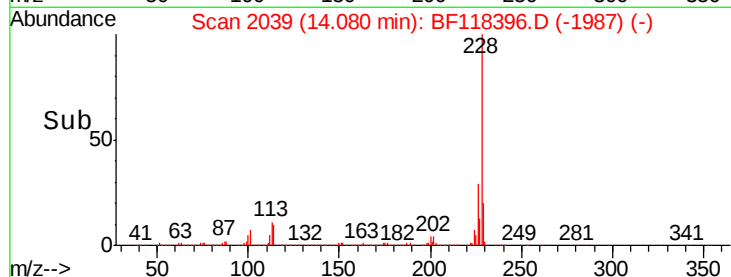
229 19.8 16.1 24.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.993 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

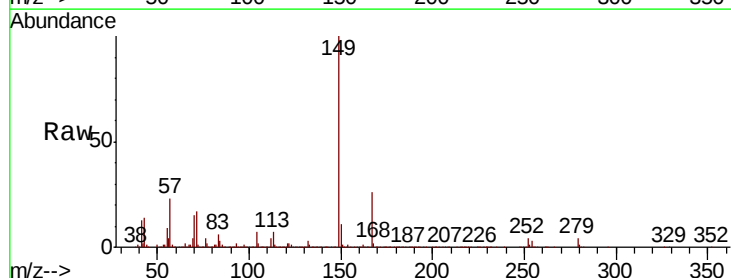
Tgt Ion:149 Resp: 577682

Ion Ratio Lower Upper

149 100

167 25.6 21.3 31.9

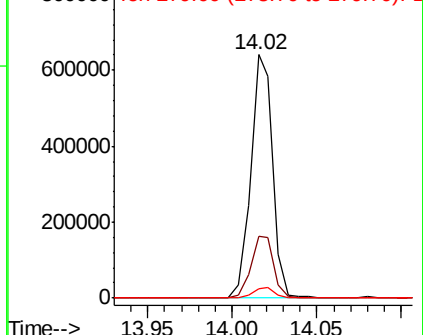
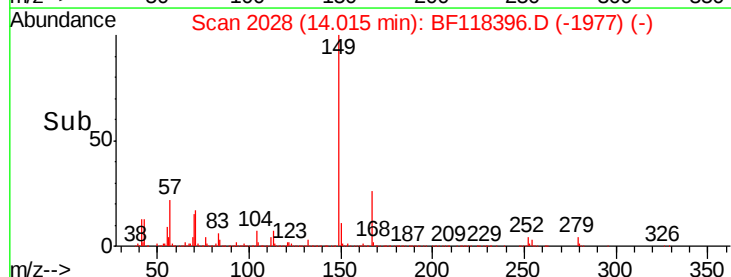
279 3.7 3.4 5.2

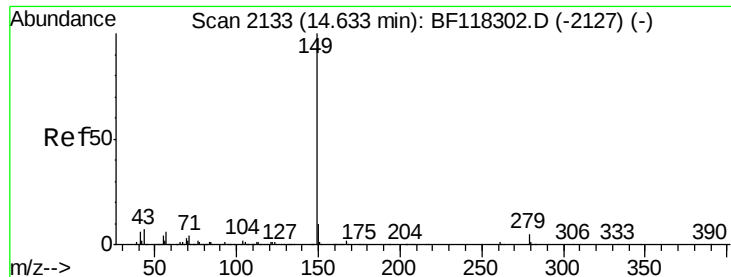


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

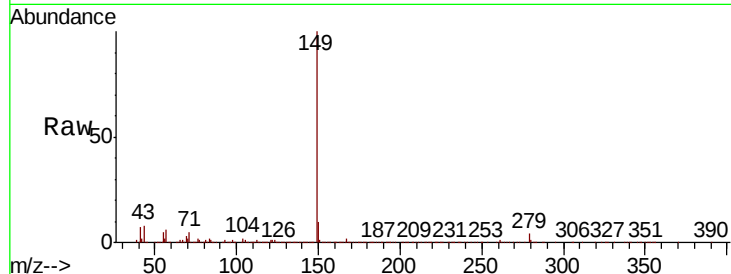




#85
Di-n-octyl phthalate
Concen: 43.106 ng
RT: 14.63 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.1	9.1

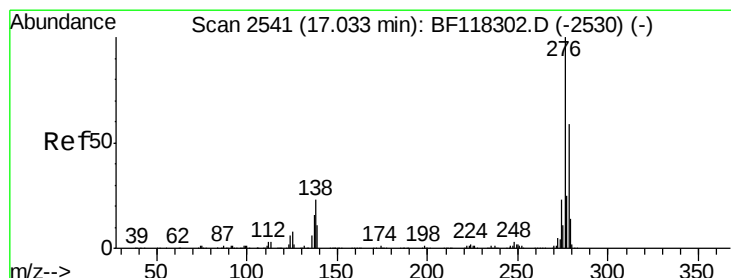
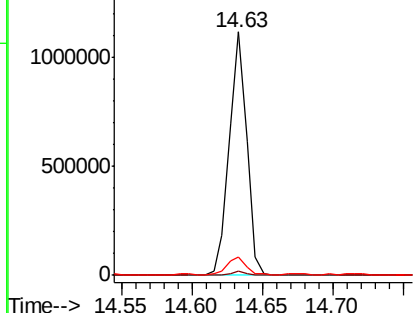
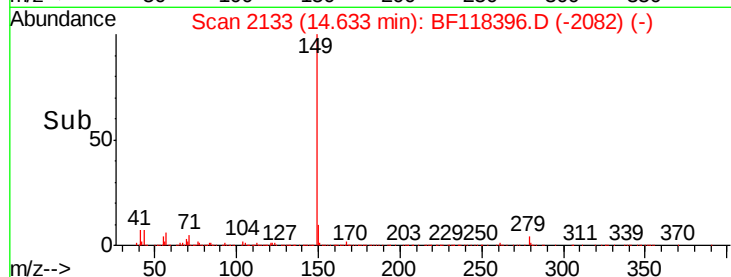


Abundance

Ion 149.00 (148.70 to 149.70): E

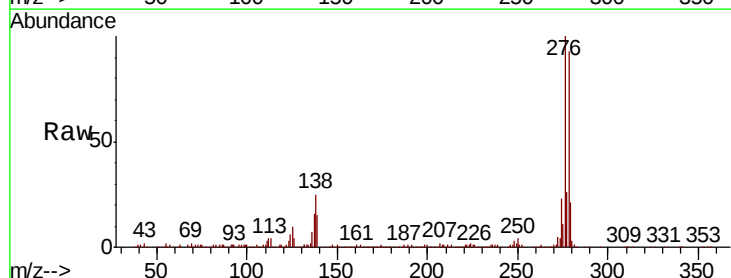
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 27.905 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.04 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.5	29.3
277	25.6	20.6	30.8

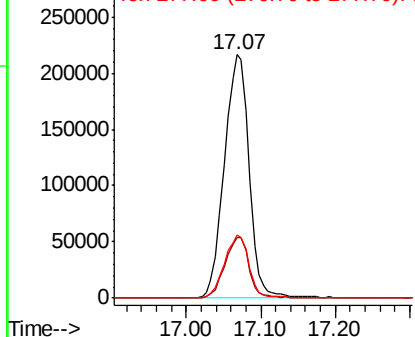
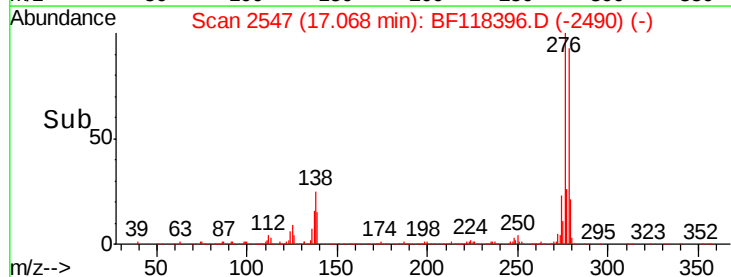


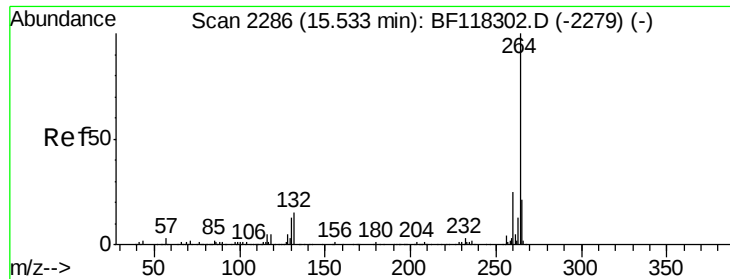
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

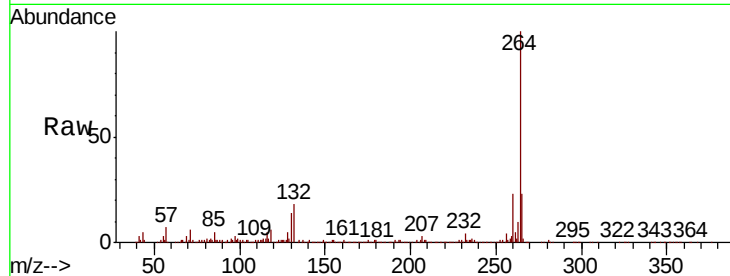
Tot Ion:264 Resp: 292881

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

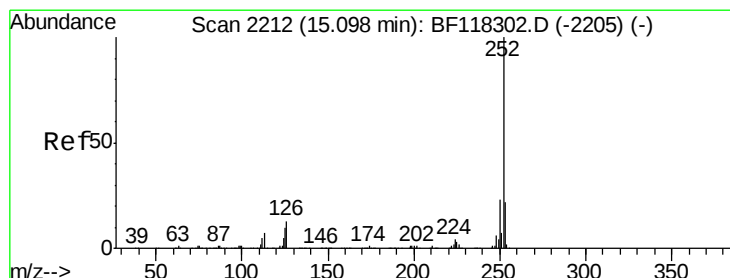
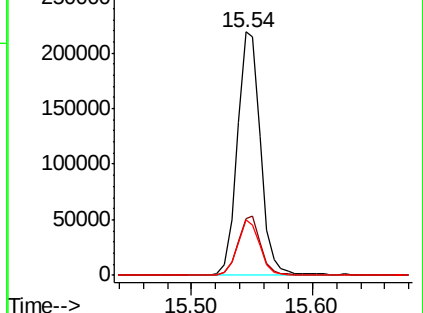
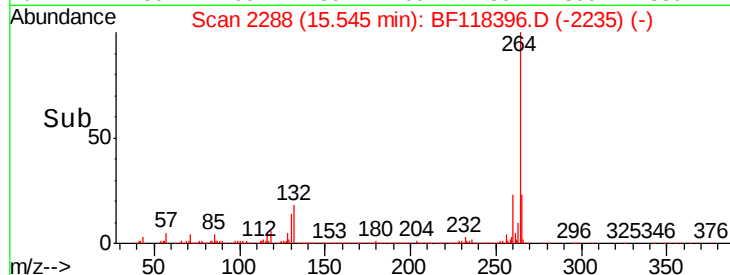
265 22.9 17.0 25.4



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: 31.360 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

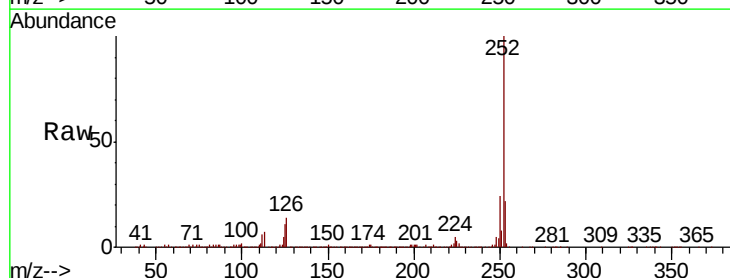
Tgt Ion:252 Resp: 609679

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

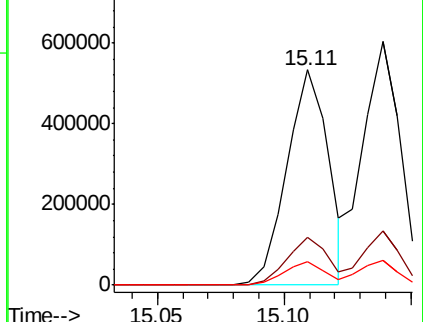
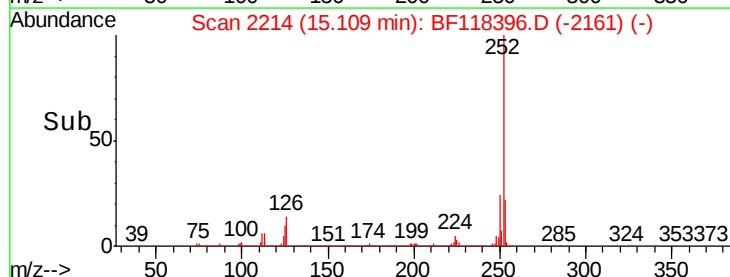
125 10.8 7.7 11.5

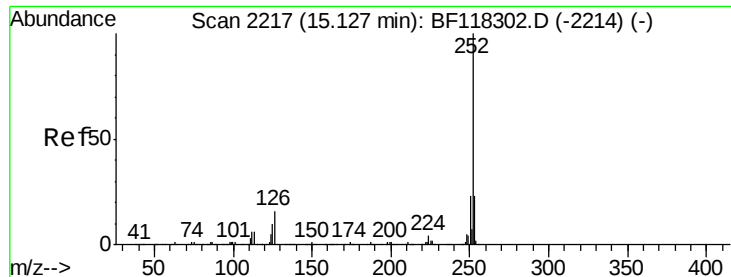


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

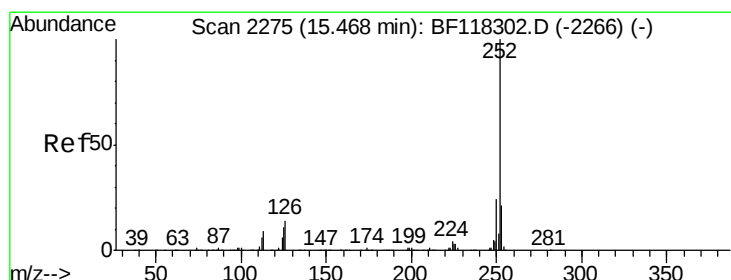
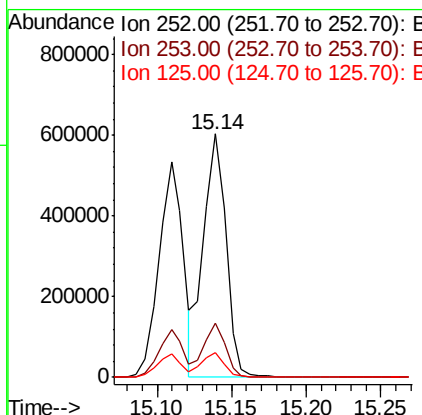
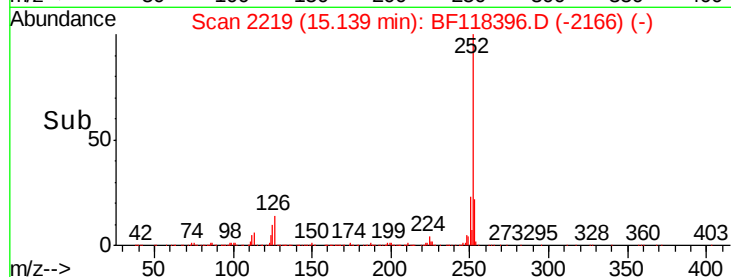
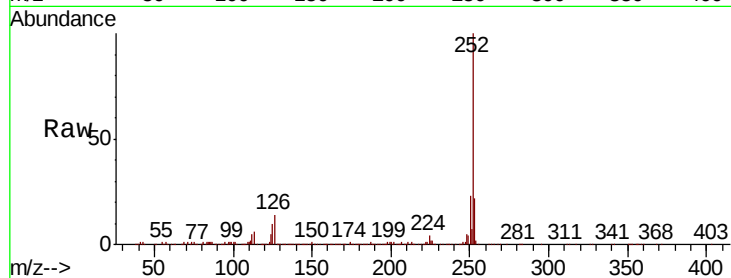




#89
Benzo(k)fluoranthene
Concen: 33.768 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

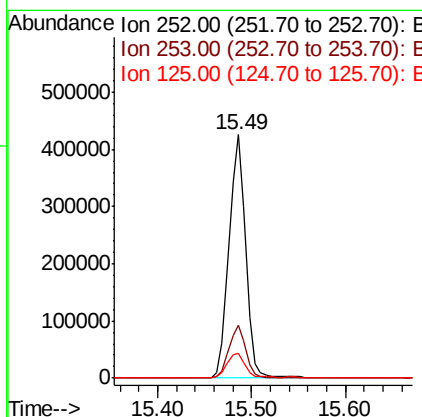
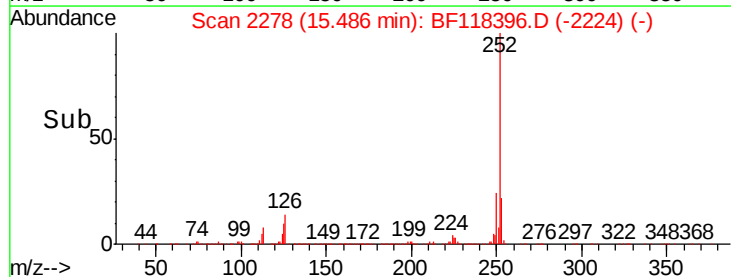
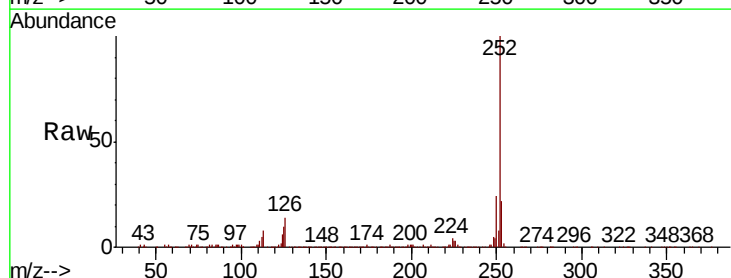
Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MS

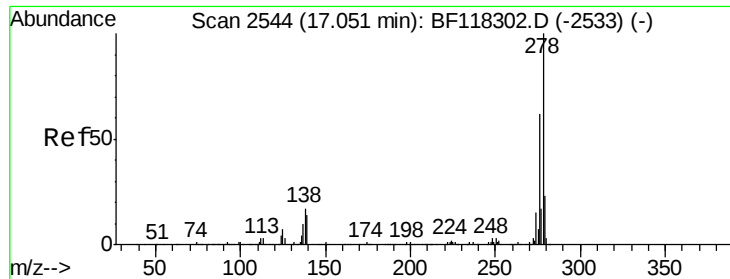
Tot Ion:252 Resp: 630360
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 10.2 8.0 12.0



#90
Benzo(a)pyrene
Concen: 30.913 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118396.D
Acq: 30 Dec 2019 22:20

Tgt Ion:252 Resp: 529422
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 10.0 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 29.607 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.02 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MS

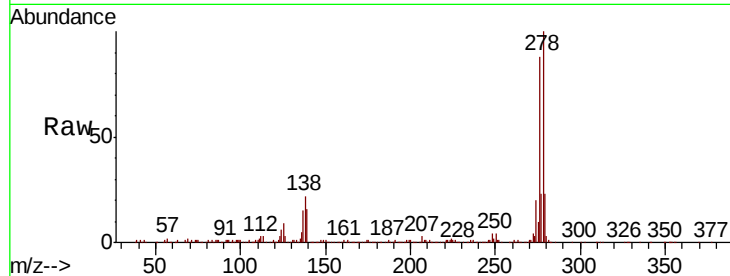
Tot Ion:278 Resp: 440023

Ion Ratio Lower Upper

278 100

139 15.9 11.5 17.3

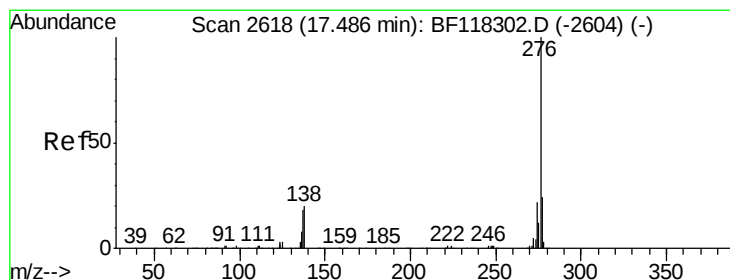
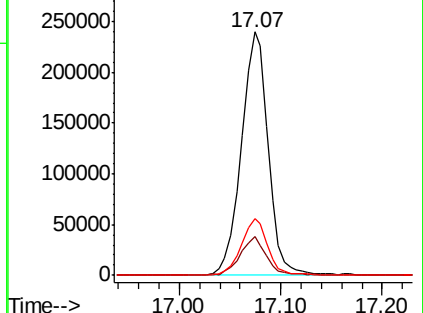
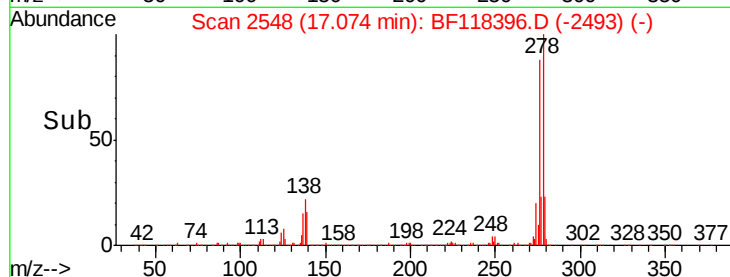
279 23.2 18.3 27.5



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: 27.186 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.04 min

Lab File: BF118396.D

Acq: 30 Dec 2019 22:20

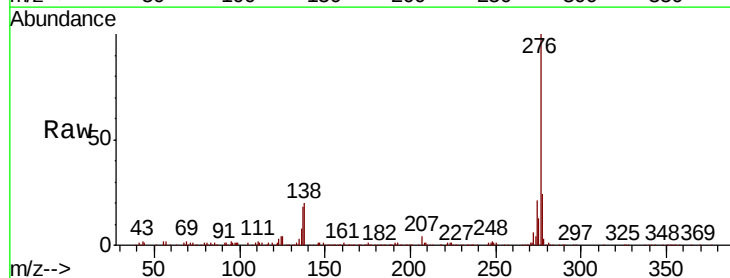
Tgt Ion:276 Resp: 390297

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 20.0 16.1 24.1



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

