

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118857.D
 Acq On : 7 Feb 2020 18:18
 Operator : CG/JU
 Sample : L1365-08MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

Quant Time: Feb 08 03:37:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	239234	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	920273	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	487156	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	853747	20.00	ng	0.00
76) Chrysene-d12	13.97	240	617557	20.00	ng	0.00
87) Perylene-d12	15.42	264	713869	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1344776	106.40	ng	0.02
7) Phenol-d6	6.46	99	1553151	99.00	ng	0.00
23) Nitrobenzene-d5	7.38	82	1215952	78.76	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	623880	107.03	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2299426	84.38	ng	0.00
79) Terphenyl-d14	12.92	244	2453671	81.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.68	88	193336	33.567	ng	# 86
3) Pyridine	3.41	79	354200	22.147	ng	98
4) n-Nitrosodimethylamine	3.32	42	228411	39.226	ng	96
6) Aniline	6.47	93	310254	15.355	ng	# 41
8) 2-Chlorophenol	6.60	128	616729	43.811	ng	99
9) Benzaldehyde	6.36	77	217348	20.261	ng	99
10) Phenol	6.47	94	609480	34.938	ng	100
11) bis(2-Chloroethyl)ether	6.55	93	561643	42.083	ng	98
12) 1,3-Dichlorobenzene	6.76	146	664231	39.642	ng	99
13) 1,4-Dichlorobenzene	6.83	146	666809	39.896	ng	99
14) 1,2-Dichlorobenzene	6.99	146	614231	38.471	ng	97
15) Benzyl Alcohol	6.96	79	513709	42.362	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	647802	39.636	ng	96
17) 2-Methylphenol	7.07	107	483011	41.271	ng	100
18) Hexachloroethane	7.33	117	226474	37.754	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	402013	41.880	ng	98
20) 3+4-Methylphenols	7.23	107	571195	38.937	ng	# 86
22) Acetophenone	7.22	105	794159	39.720	ng	98
24) Nitrobenzene	7.40	77	635868	41.226	ng	98
25) Isophorone	7.64	82	1127383	40.629	ng	99
26) 2-Nitrophenol	7.72	139	340436	41.421	ng	96
27) 2,4-Dimethylphenol	7.76	122	525294	47.050	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	707515	39.322	ng	98
29) 2,4-Dichlorophenol	7.96	162	549810	41.121	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	602080	38.526	ng	99
31) Naphthalene	8.12	128	1742846	41.408	ng	99
32) Benzoic acid	7.87	122	298162	32.256	ng	97
33) 4-Chloroaniline	8.16	127	201130	10.681	ng	100
34) Hexachlorobutadiene	8.24	225	351403	36.701	ng	99
35) Caprolactam	8.54	113	128567	29.662	ng	96
36) 4-Chloro-3-methylphenol	8.66	107	553678	41.149	ng	99
37) 2-Methylnaphthalene	8.81	142	1166089	39.947	ng	98
38) 1-Methylnaphthalene	8.91	142	1100080	40.060	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	586065	39.861	ng	99

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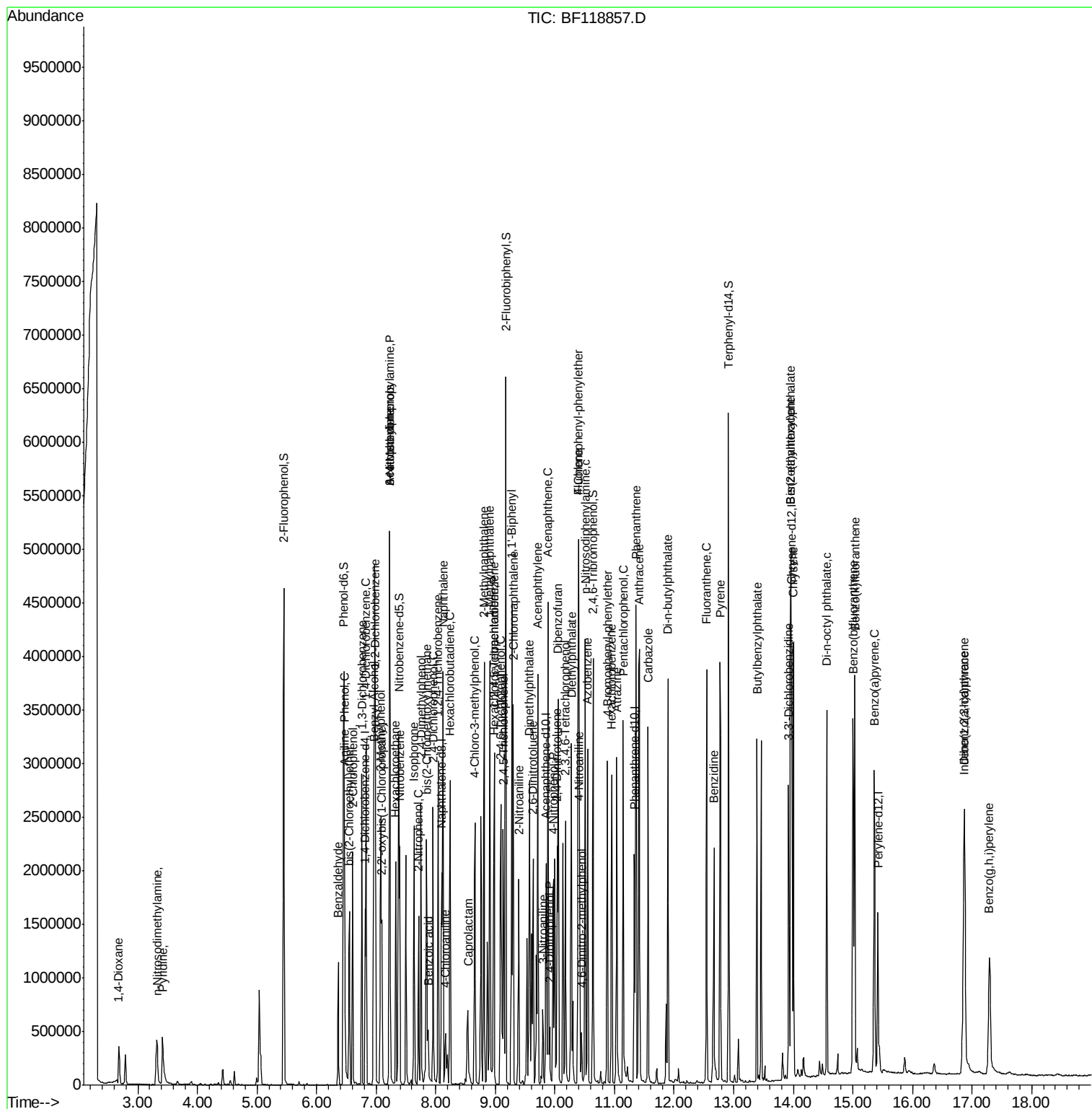
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	182662	31.684	ng	100
43) 2,4,6-Trichlorophenol	9.09	196	395521	40.229	ng	99
44) 2,4,5-Trichlorophenol	9.13	196	426156	42.421	ng	96
46) 1,1'-Biphenyl	9.27	154	1408567	41.799	ng	99
47) 2-Chloronaphthalene	9.30	162	1128122	40.269	ng	99
48) 2-Nitroaniline	9.39	65	322088	39.862	ng	93
49) Acenaphthylene	9.72	152	1741932	43.064	ng	99
50) Dimethylphthalate	9.57	163	1432311	43.180	ng	100
51) 2,6-Dinitrotoluene	9.63	165	317814	41.874	ng	97
52) Acenaphthene	9.89	154	1052899	39.501	ng	99
53) 3-Nitroaniline	9.80	138	119459	14.192	ng	97
54) 2,4-Dinitrophenol	9.91	184	82376	22.577	ng	97
55) Dibenzofuran	10.06	168	1555728	40.387	ng	100
56) 4-Nitrophenol	9.97	139	418989	68.777	ng	95
57) 2,4-Dinitrotoluene	10.04	165	411450	40.964	ng	89
58) Fluorene	10.40	166	1163186	40.138	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	348892	39.768	ng	99
60) Diethylphthalate	10.27	149	1301616	40.354	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	618171	39.333	ng	99
62) 4-Nitroaniline	10.42	138	249794	29.634	ng	97
63) Azobenzene	10.55	77	1118837	40.630	ng	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	84004	17.511	ng	89
66) n-Nitrosodiphenylamine	10.51	169	1102589	44.585	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	417199	41.309	ng	97
68) Hexachlorobenzene	10.96	284	456294	39.390	ng	# 92
69) Atrazine	11.04	200	387441	47.026	ng	99
70) Pentachlorophenol	11.14	266	460753	75.329	ng	99
71) Phenanthrene	11.36	178	1737495	41.363	ng	99
72) Anthracene	11.42	178	1729396	41.385	ng	98
73) Carbazole	11.57	167	1489115	40.605	ng	97
74) Di-n-butylphthalate	11.90	149	1838707	39.358	ng	99
75) Fluoranthene	12.55	202	1708104	37.244	ng	97
77) Benzidine	12.67	184	952926	51.017	ng	99
78) Pyrene	12.77	202	1697474	40.067	ng	99
80) Butylbenzylphthalate	13.39	149	710271	36.731	ng	97
81) Benzo(a)anthracene	13.96	228	1589491	43.253	ng	98
82) 3,3'-Dichlorobenzidine	13.92	252	641257	42.665	ng	99
83) Chrysene	14.00	228	1560455	42.309	ng	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	937199	38.201	ng	98
85) Di-n-octyl phthalate	14.56	149	1644989	39.139	ng	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	1542419	41.623	ng	100
88) Benzo(b)fluoranthene	15.00	252	1687690	38.099	ng	99
89) Benzo(k)fluoranthene	15.03	252	1699288	44.053	ng	98
90) Benzo(a)pyrene	15.36	252	1544468	40.741	ng	98
91) Dibenzo(a,h)anthracene	16.88	278	1325264	39.379	ng	98
92) Benzo(g,h,i)perylene	17.29	276	1182900	36.549	ng	99

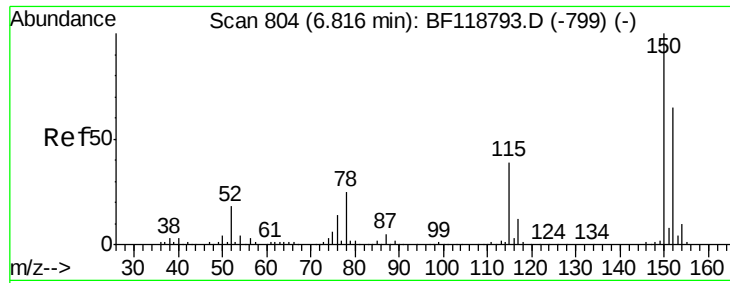
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

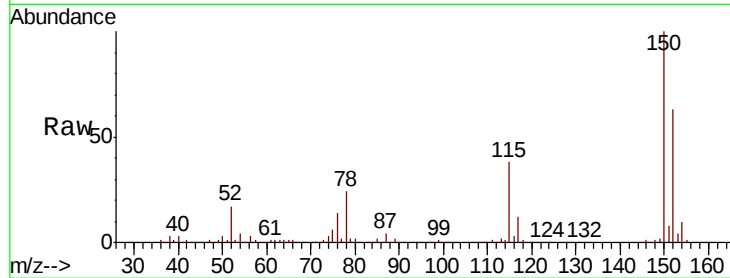
Tot Ion:152 Resp: 239234

Ion Ratio Lower Upper

152 100

150 157.8 123.6 185.4

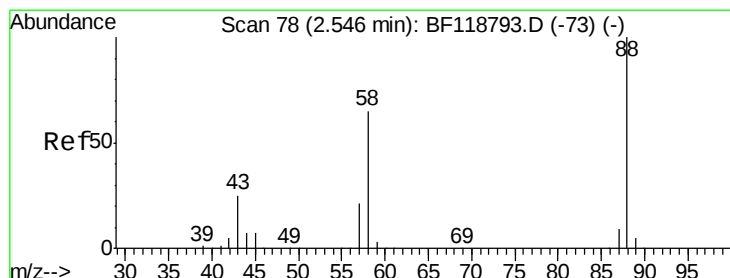
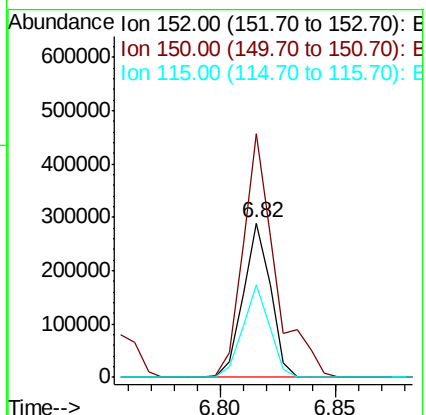
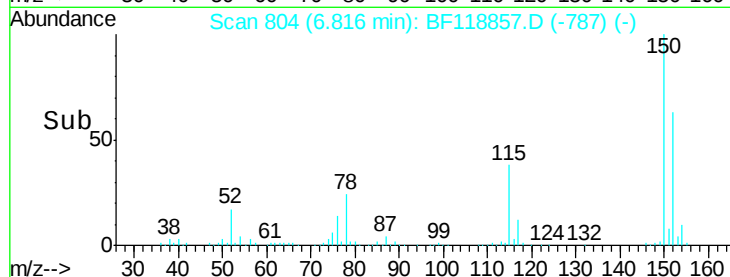
115 59.6 48.2 72.2



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: 33.567 ng

RT: 2.68 min Scan# 101

Delta R.T. 0.14 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

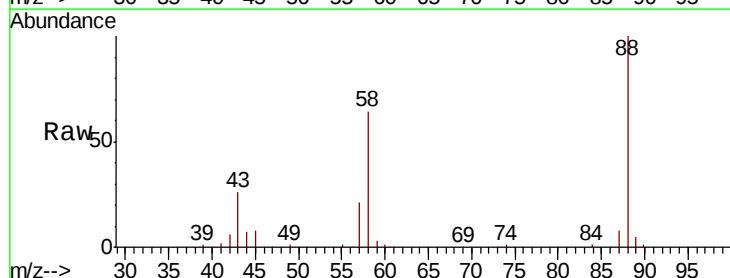
Tgt Ion: 88 Resp: 193336

Ion Ratio Lower Upper

88 100

58 65.0 51.6 77.4

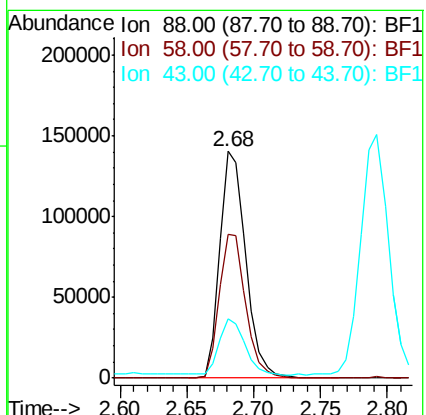
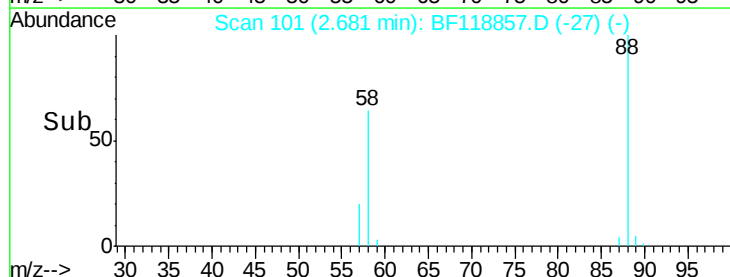
43 0.0 19.8 29.6#

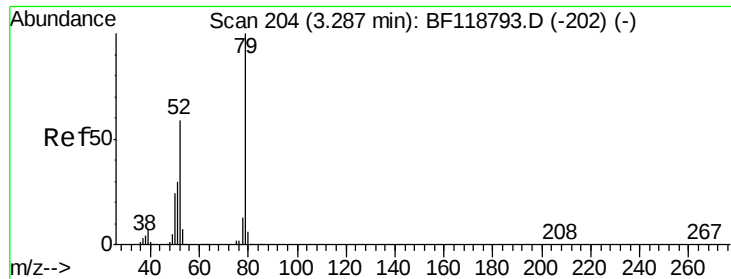


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 22.147 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.12 min

Lab File: BF118857.D

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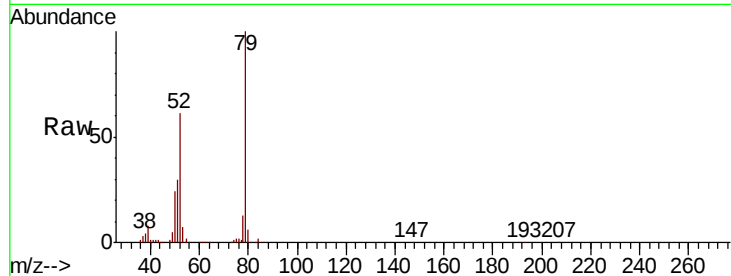
Tot Ion: 79 Resp: 354200

Ion Ratio Lower Upper

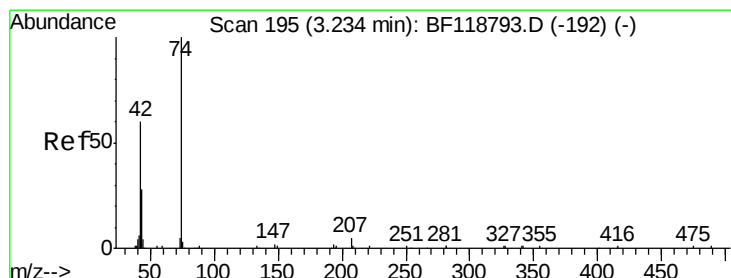
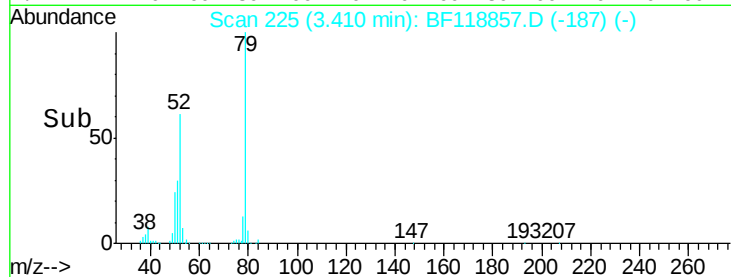
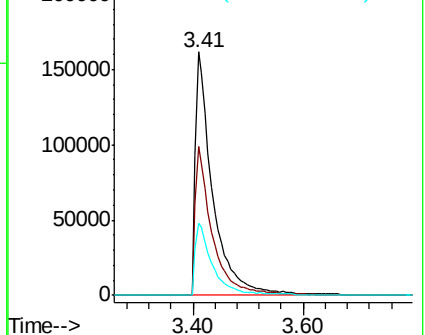
79 100

52 61.2 47.4 71.0

51 29.6 24.2 36.4



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: 39.226 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.09 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

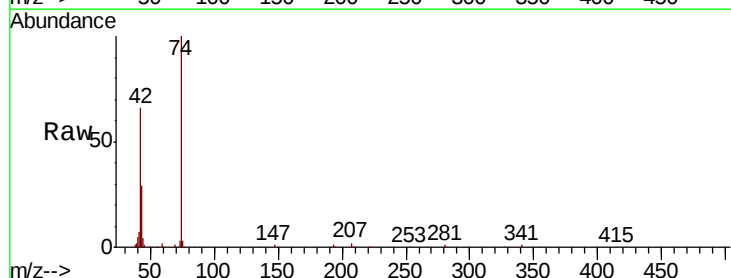
Tgt Ion: 42 Resp: 228411

Ion Ratio Lower Upper

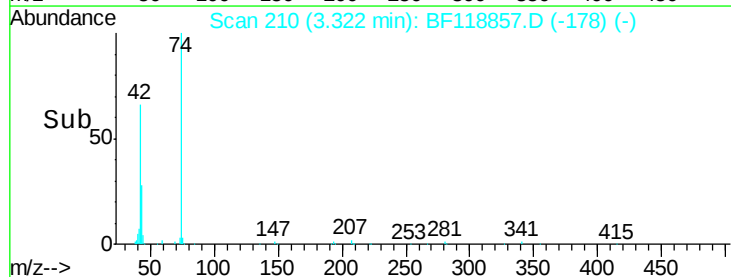
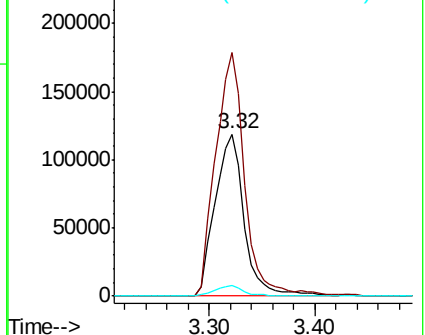
42 100

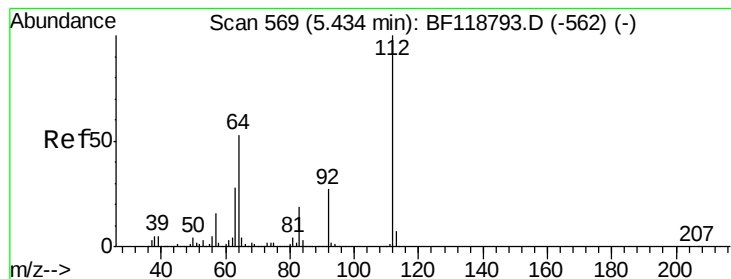
74 150.4 124.3 186.5

44 6.7 5.3 7.9



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: 106.405 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.02 min

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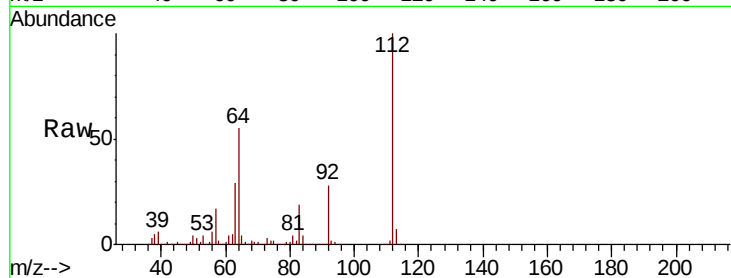
Tot Ion:112 Resp: 1344776

Ion Ratio Lower Upper

112 100

64 55.5 42.6 63.8

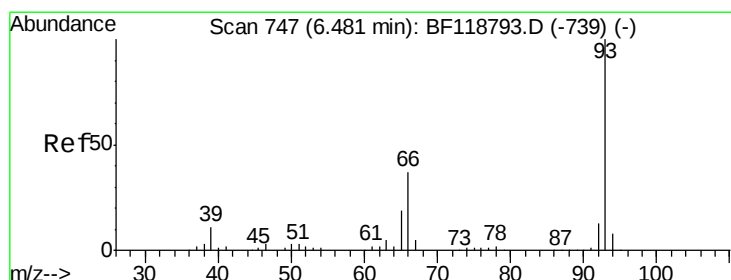
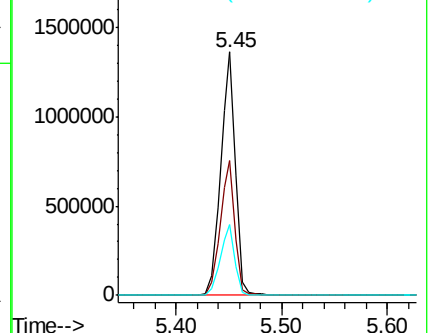
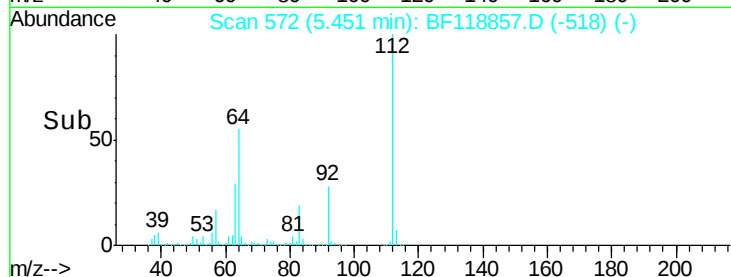
63 29.1 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.355 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

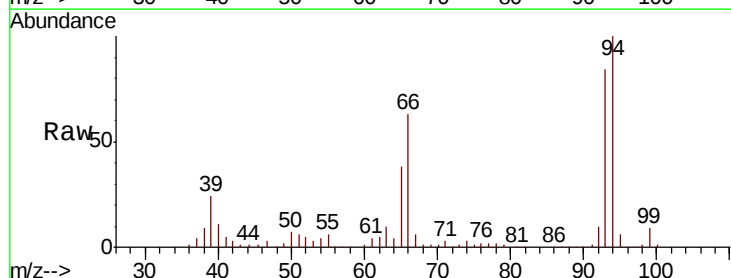
Tgt Ion: 93 Resp: 310254

Ion Ratio Lower Upper

93 100

66 75.2 30.8 46.2#

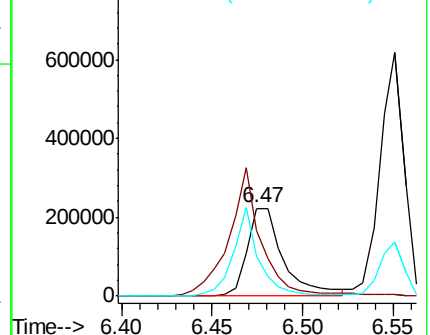
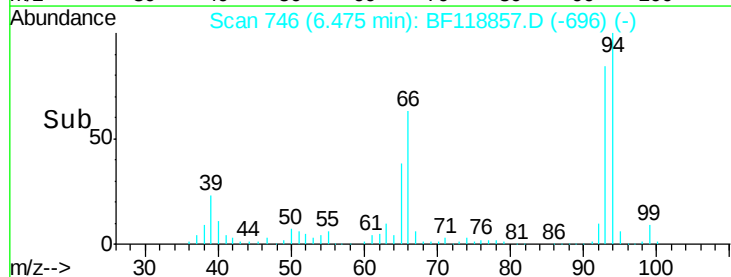
65 45.0 15.4 23.0#

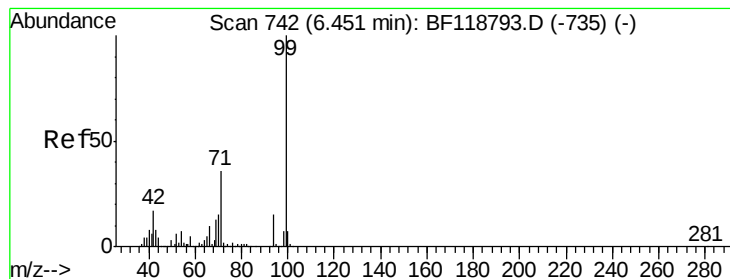


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 98.999 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

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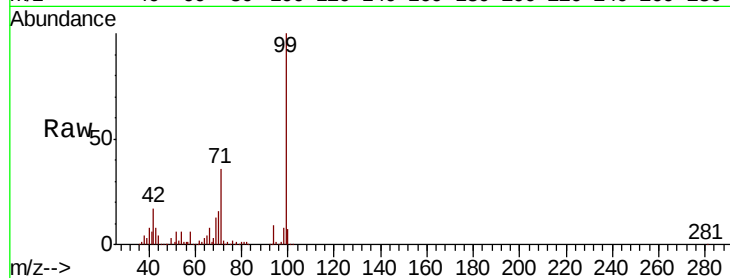
Tot Ion: 99 Resp: 1553151

Ion Ratio Lower Upper

99 100

42 16.7 13.4 20.0

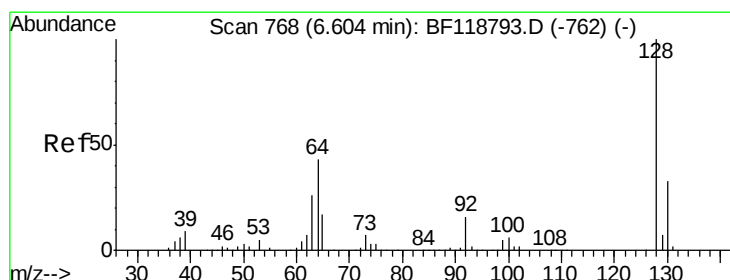
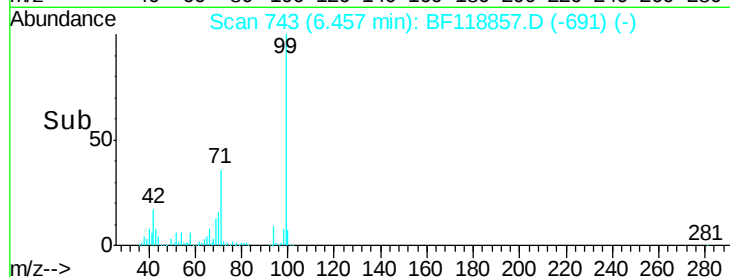
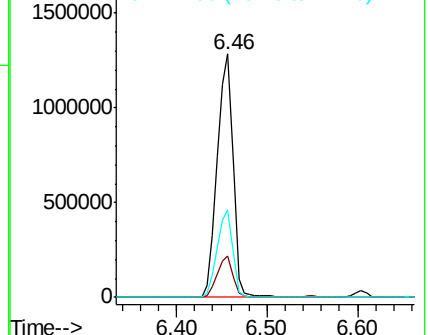
71 36.0 29.0 43.6



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: 43.811 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

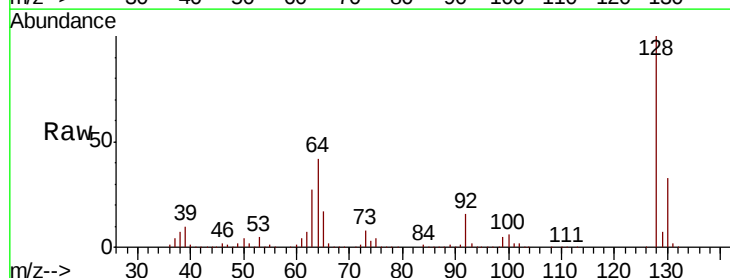
Tgt Ion:128 Resp: 616729

Ion Ratio Lower Upper

128 100

130 33.4 13.1 53.1

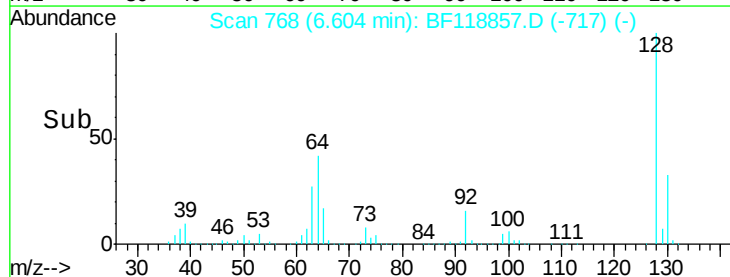
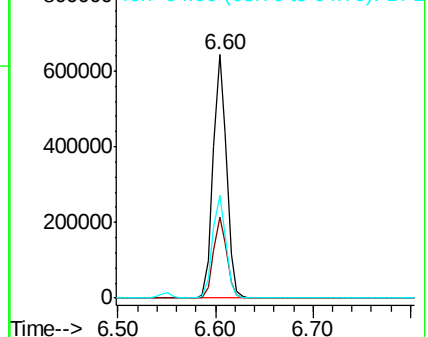
64 42.2 23.0 63.0

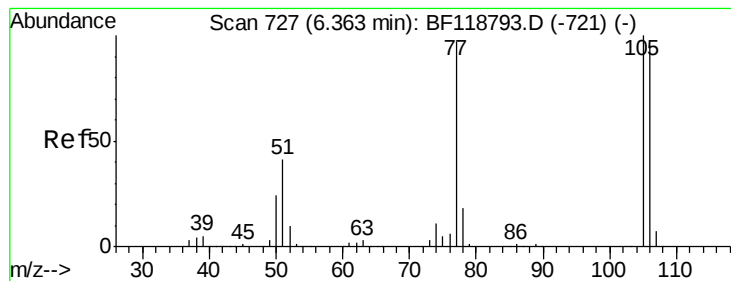


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.261 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

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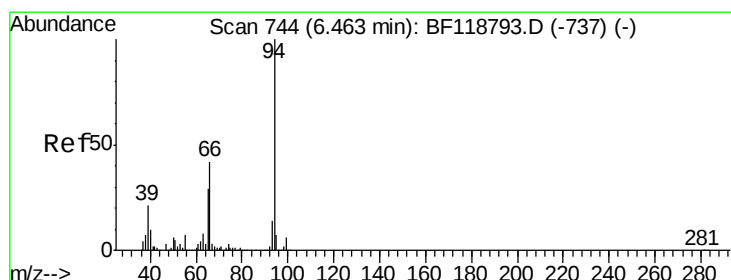
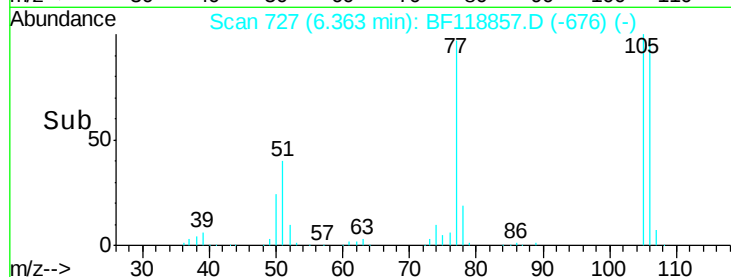
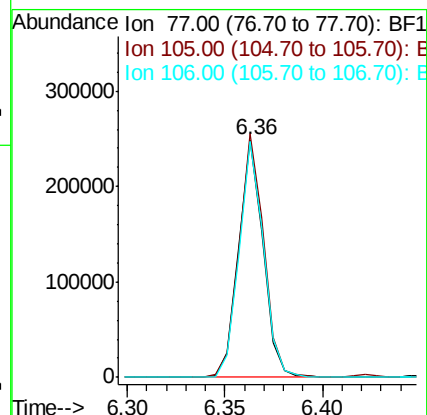
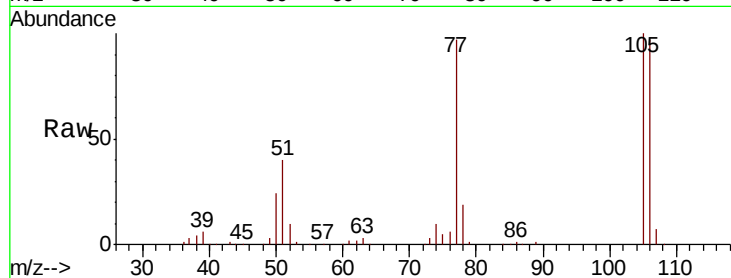
Tot Ion: 77 Resp: 217348

Ion Ratio Lower Upper

77 100

105 102.6 82.8 122.8

106 99.3 78.1 118.1



#10

Phenol

Concen: 34.938 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

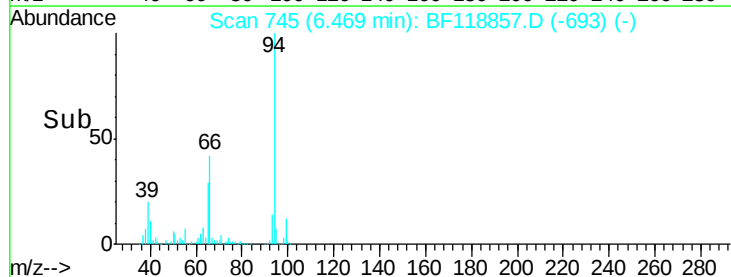
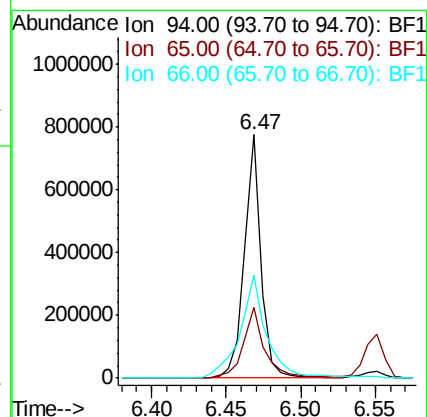
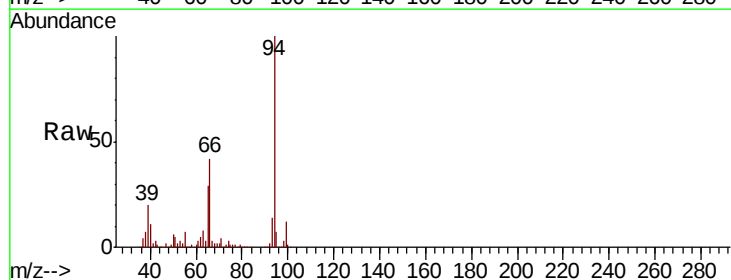
Tgt Ion: 94 Resp: 609480

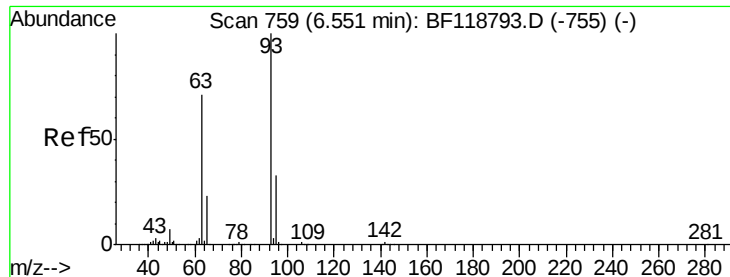
Ion Ratio Lower Upper

94 100

65 29.0 9.1 49.1

66 42.1 21.7 61.7





#11

bis(2-Chloroethyl)ether

Concen: 42.083 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

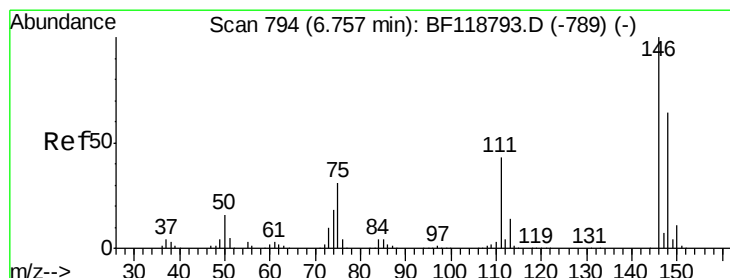
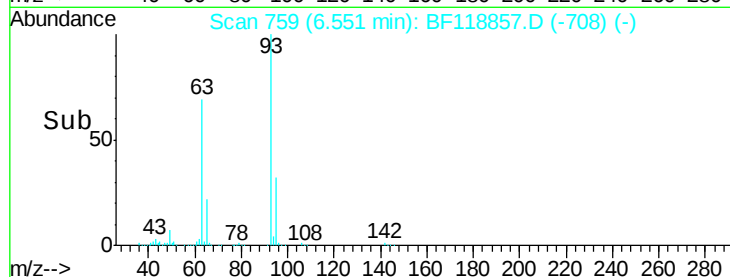
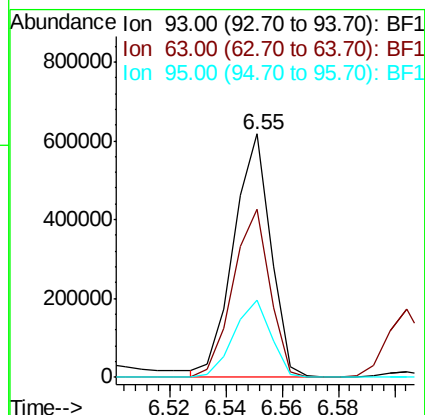
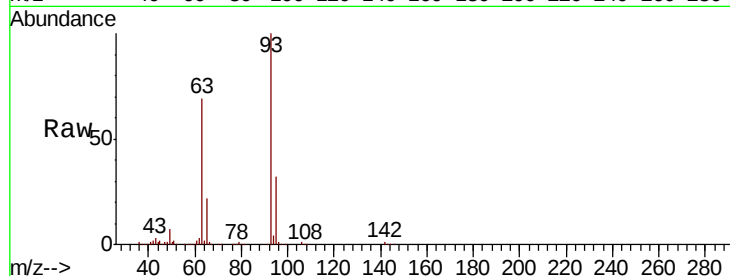
Tot Ion: 93 Resp: 561643

Ion Ratio Lower Upper

93 100

63 69.0 50.7 90.7

95 31.9 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 39.642 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

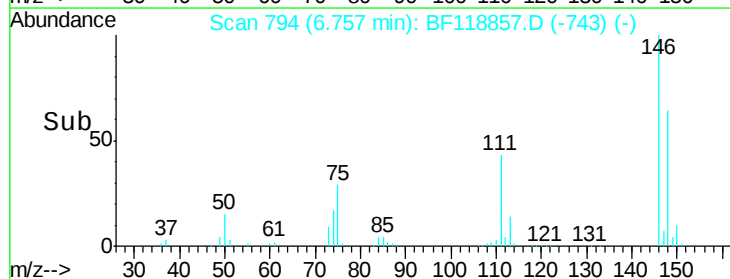
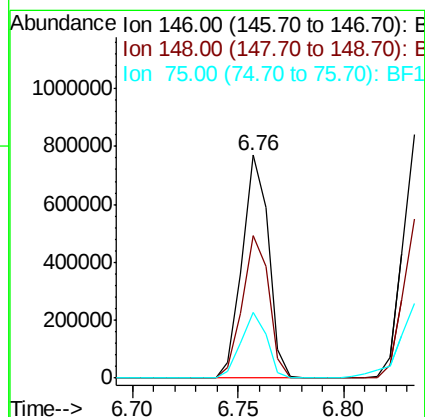
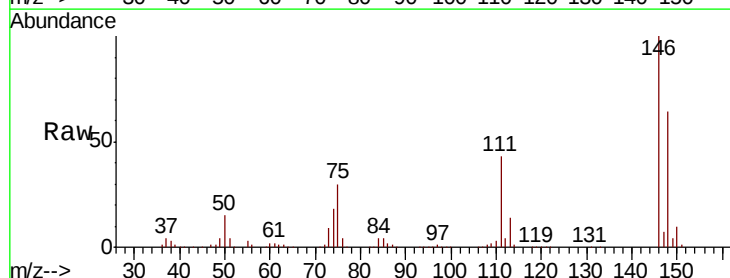
Tgt Ion: 146 Resp: 664231

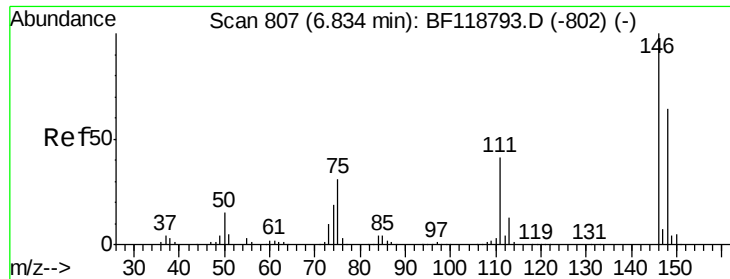
Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

75 29.8 25.0 37.4

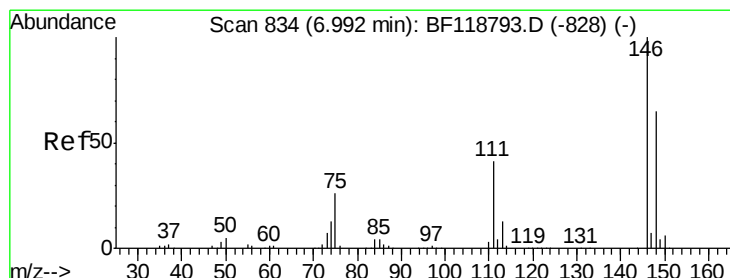
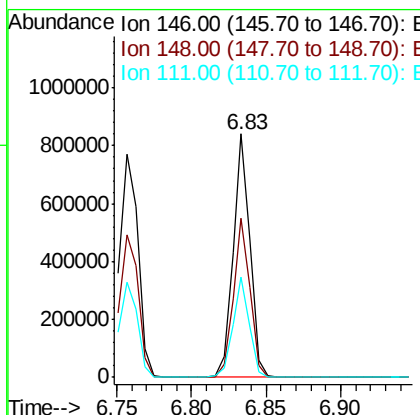
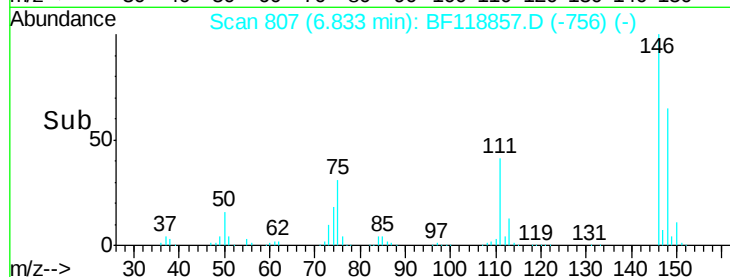
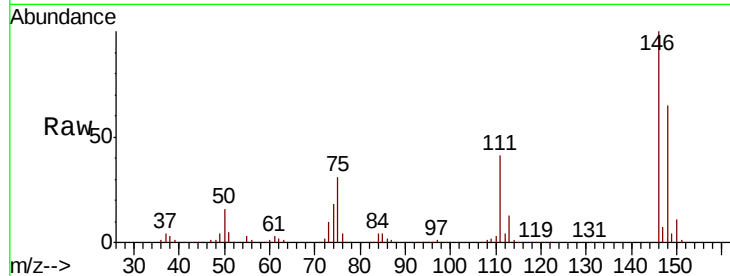




#13
 1,4-Dichlorobenzene
 Concen: 39.896 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

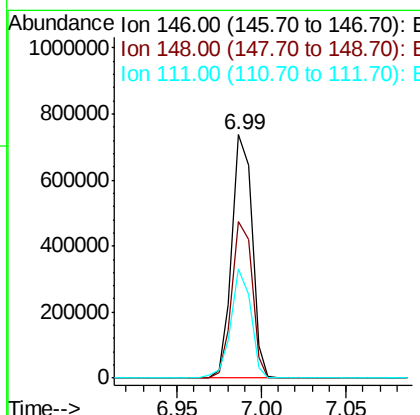
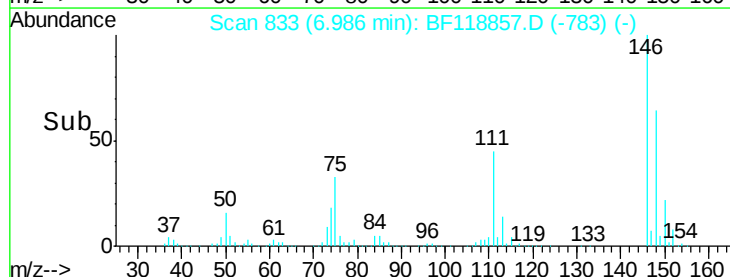
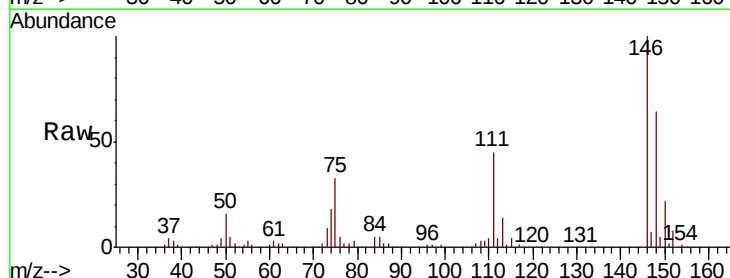
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

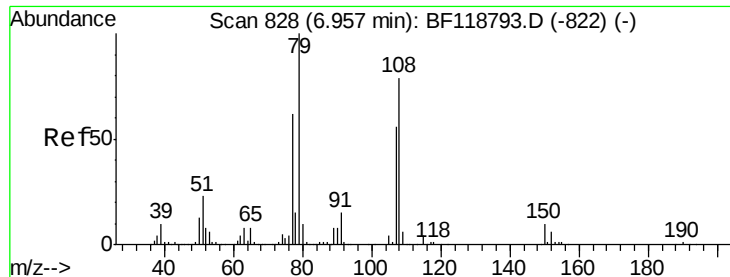
Tot Ion:146 Resp: 666809
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.6 77.4
 111 41.2 32.9 49.3



#14
 1,2-Dichlorobenzene
 Concen: 38.471 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion:146 Resp: 614231
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.6 77.4
 111 44.9 32.7 49.1





#15

Benzyl Alcohol

Concen: 42.362 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

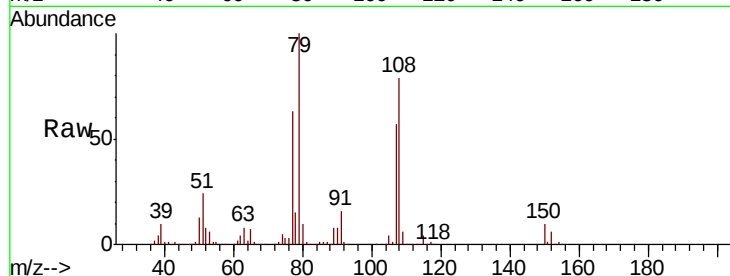
Tot Ion: 79 Resp: 513709

Ion Ratio Lower Upper

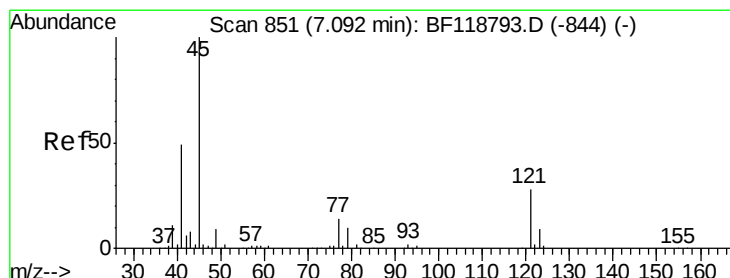
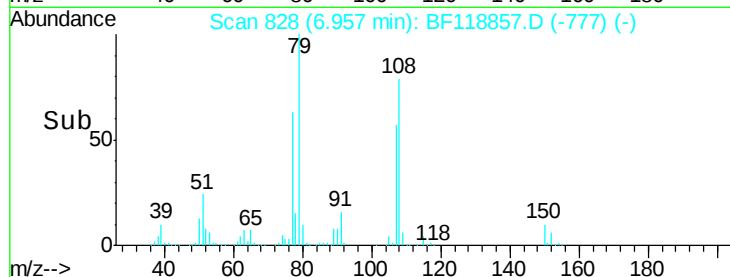
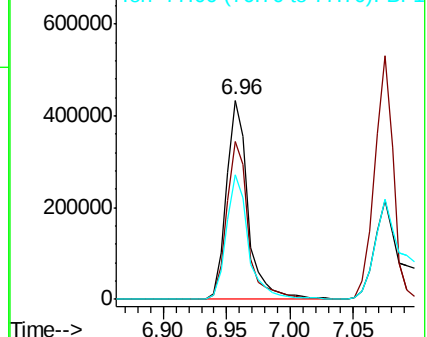
79 100

108 79.4 62.9 94.3

77 62.6 50.0 75.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.636 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

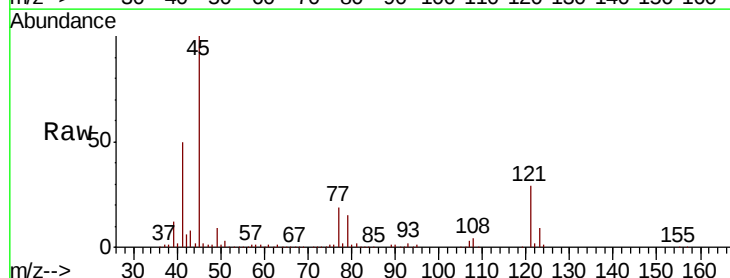
Tgt Ion: 45 Resp: 647802

Ion Ratio Lower Upper

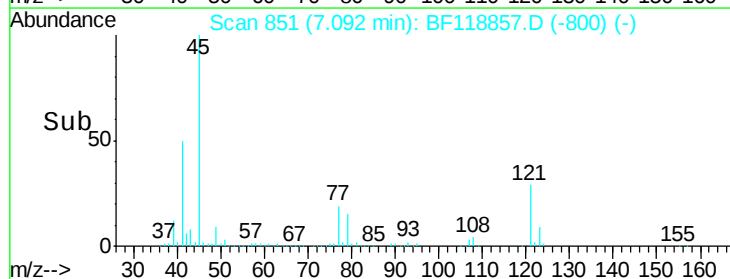
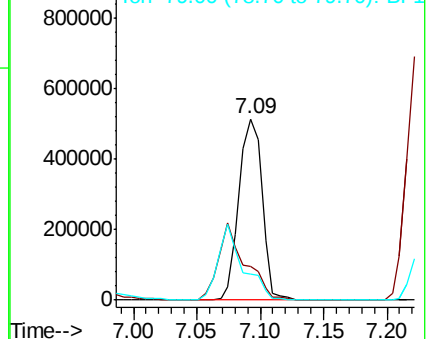
45 100

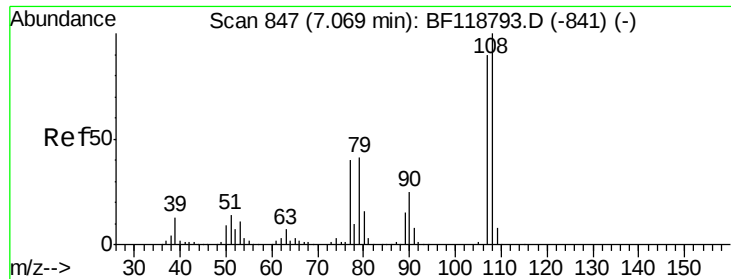
77 18.6 0.0 37.1

79 14.5 0.0 33.1



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

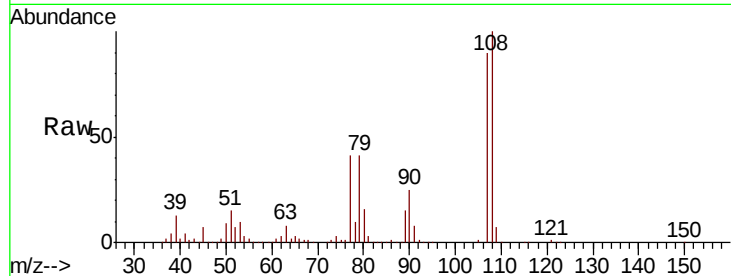




#17
2-Methylphenol
Concen: 41.271 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.3	133.9
77	45.9	36.2	54.2
79	45.4	36.3	54.5



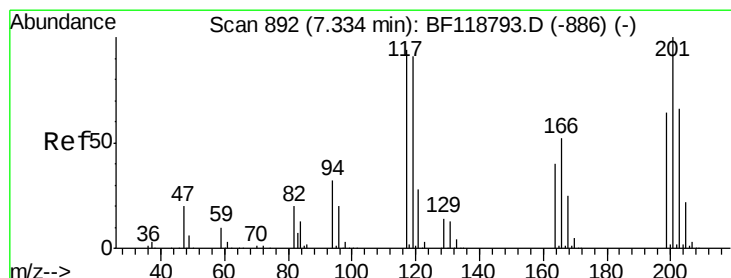
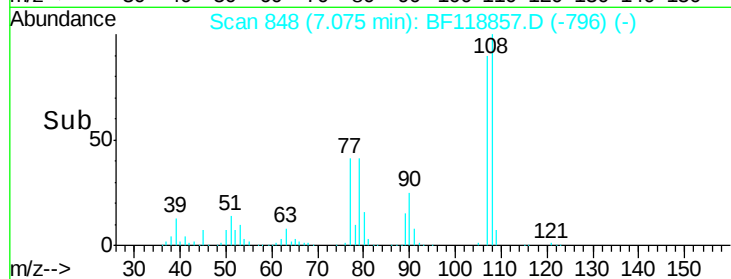
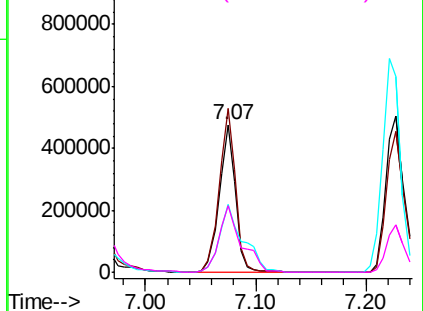
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

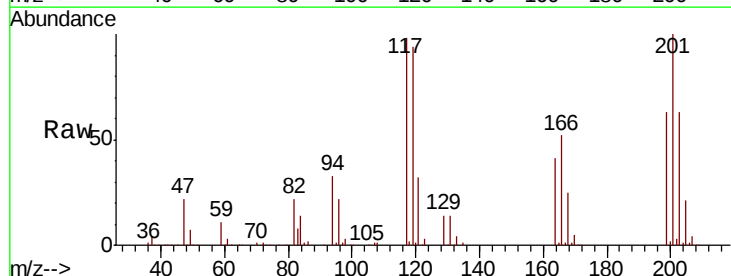
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 37.754 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.4	116.0
201	101.6	85.1	127.7

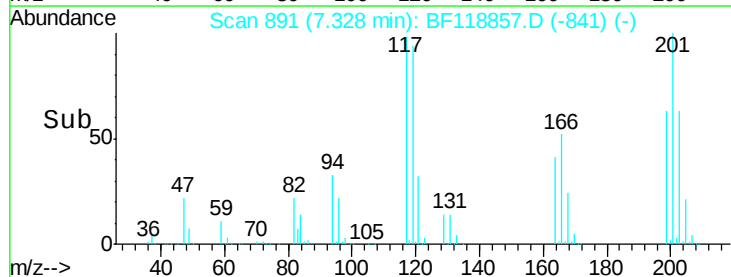
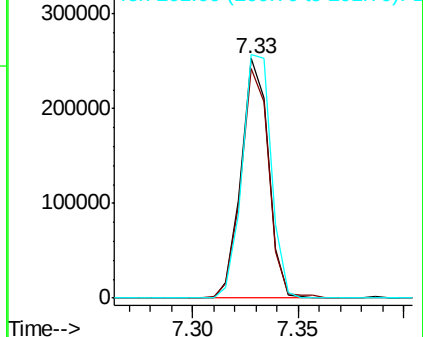


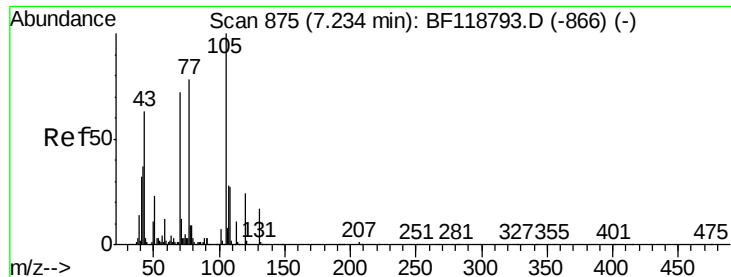
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

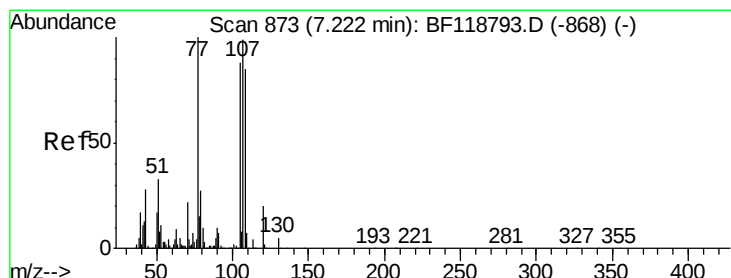
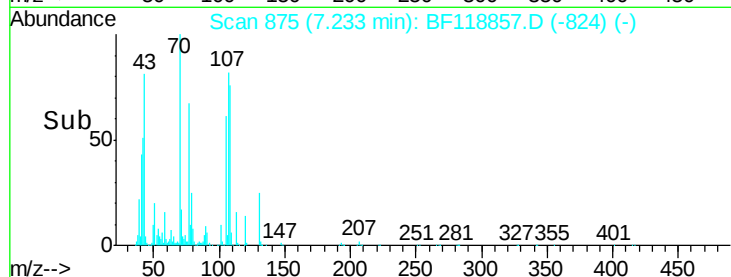
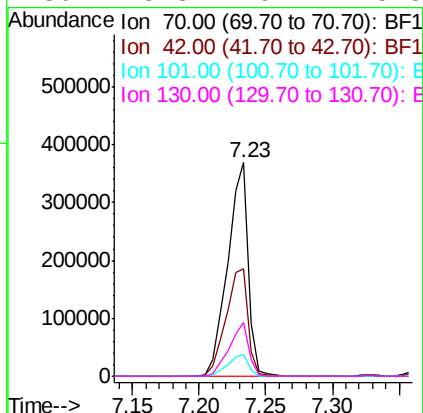
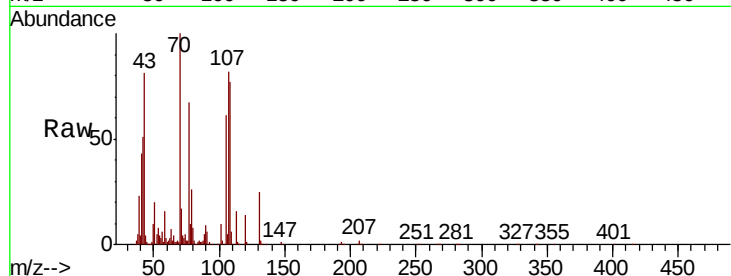




#19
n-Nitroso-di-n-propylamine
Concen: 41.880 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

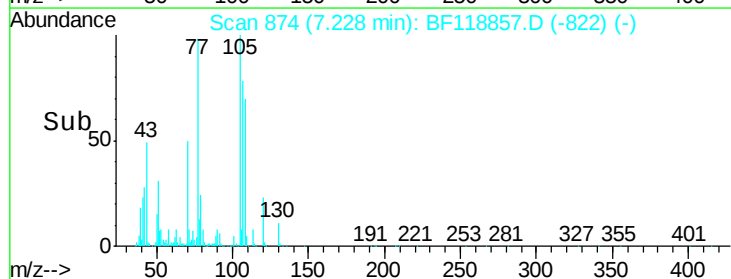
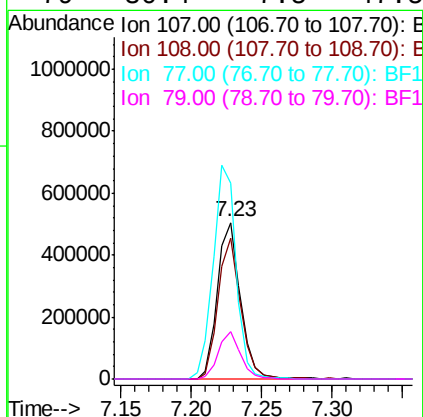
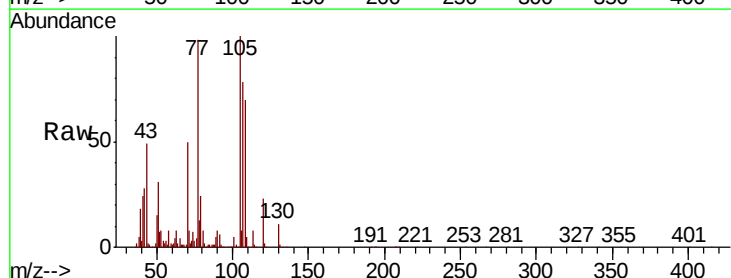
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

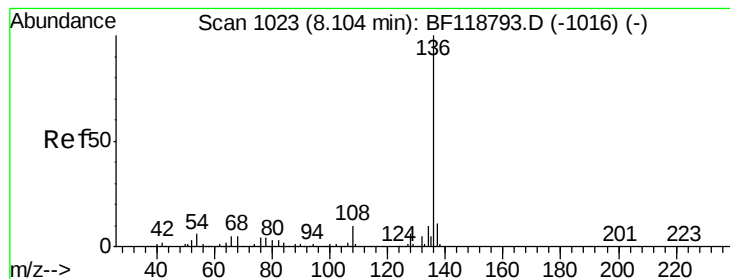
Tot Ion:	70	Resp:	402013
Ion	Ratio	Lower	Upper
70	100		
42	50.6	41.5	62.3
101	10.3	8.3	12.5
130	25.3	19.2	28.8



#20
3+4-Methylphenols
Concen: 38.937 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:	107	Resp:	571195
Ion	Ratio	Lower	Upper
107	100		
108	89.7	65.9	105.9
77	124.7	80.9	120.9
79	30.4	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

Tot Ion:136 Resp: 920273

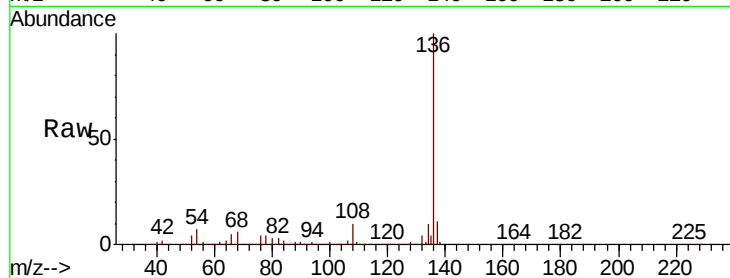
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.8 5.0 7.6

68 5.5 4.2 6.4

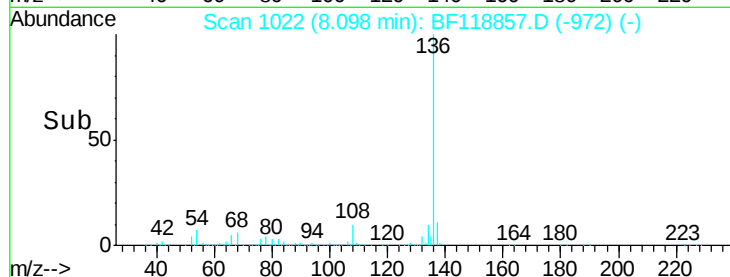


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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



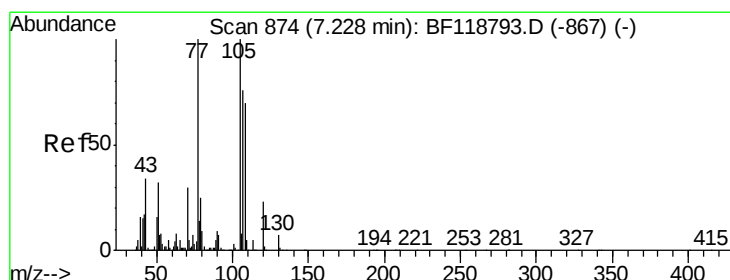
8.10

1000000

500000

0

Time--> 8.00 8.10 8.20



#22

Acetophenone

Concen: 39.720 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Tgt Ion:105 Resp: 794159

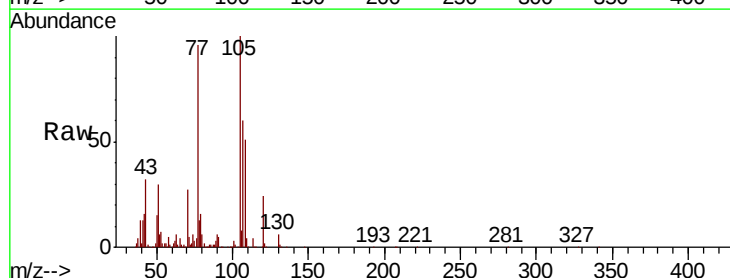
Ion Ratio Lower Upper

105 100

71 4.6 4.2 6.4

51 30.5 25.5 38.3

120 23.6 18.6 28.0

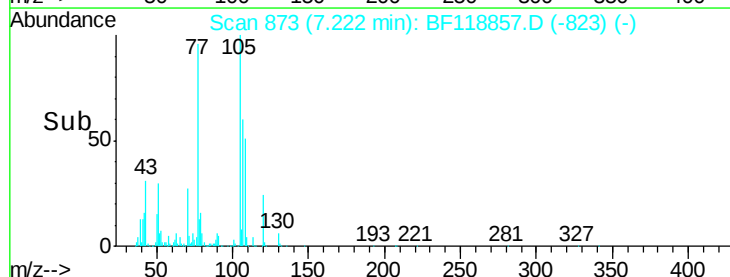


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



7.22

1000000

800000

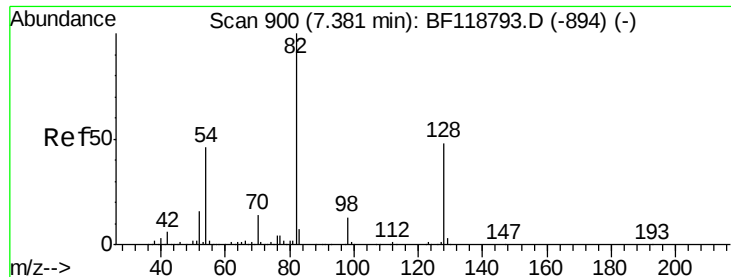
600000

400000

200000

0

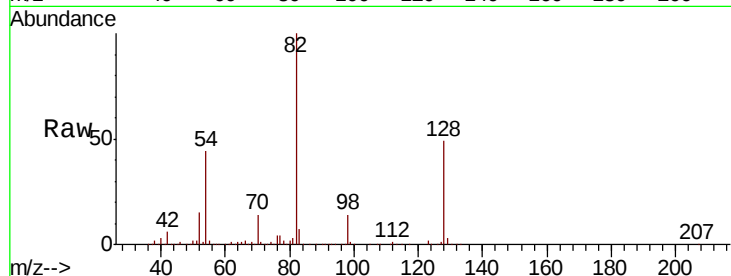
Time--> 7.15 7.20 7.25 7.30



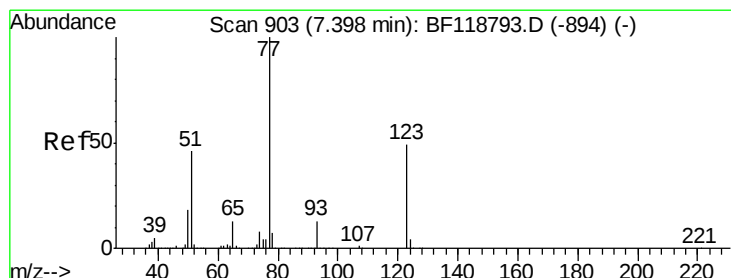
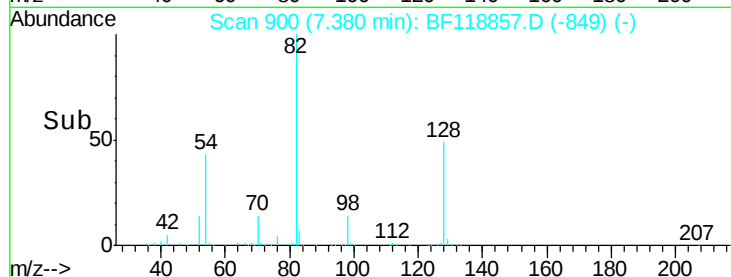
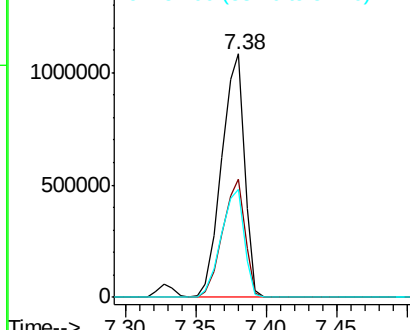
#23
Nitrobenzene-d5
Concen: 78.756 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion: 82 Resp: 1215952
Ion Ratio Lower Upper
82 100
128 48.7 38.5 57.7
54 44.3 36.7 55.1

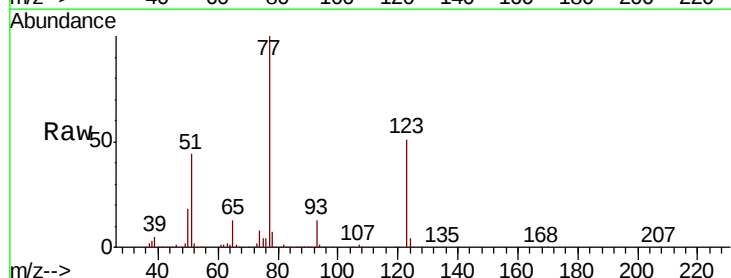


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

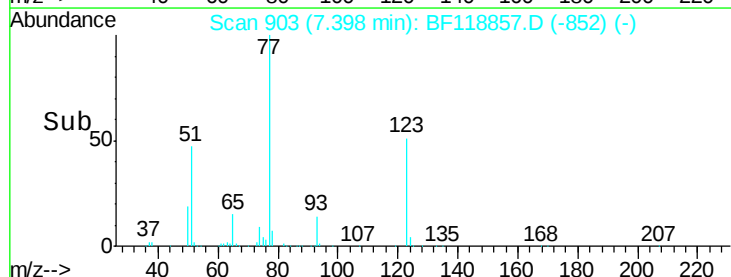
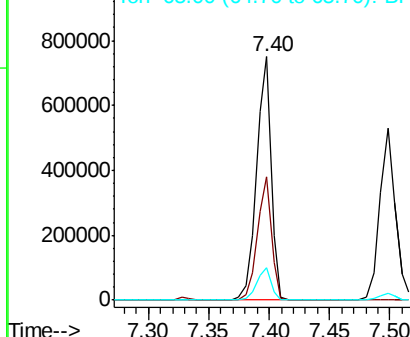


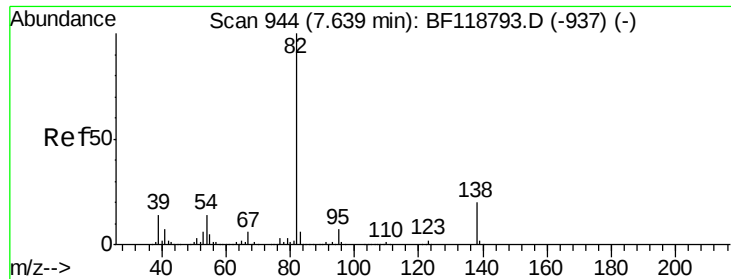
#24
Nitrobenzene
Concen: 41.226 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion: 77 Resp: 635868
Ion Ratio Lower Upper
77 100
123 50.8 39.0 58.4
65 13.1 10.6 15.8



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





#25

Isophorone

Concen: 40.629 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

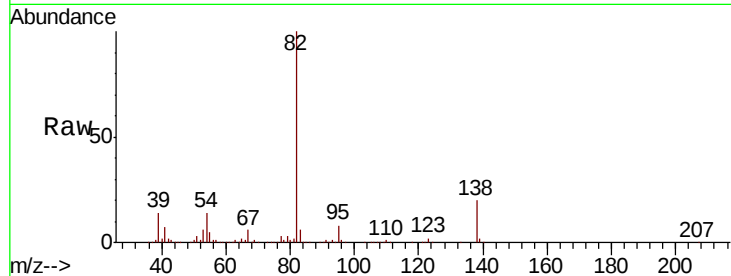
Tot Ion: 82 Resp: 1127383

Ion Ratio Lower Upper

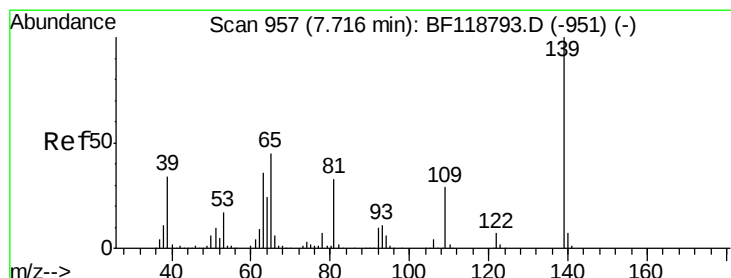
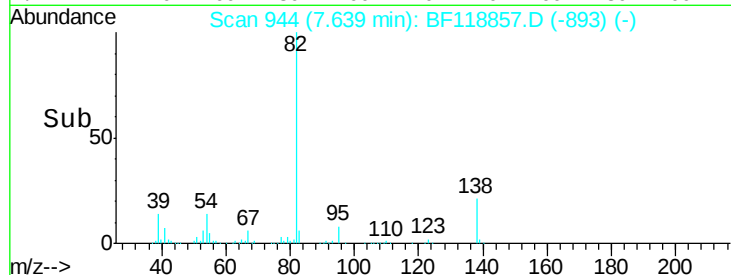
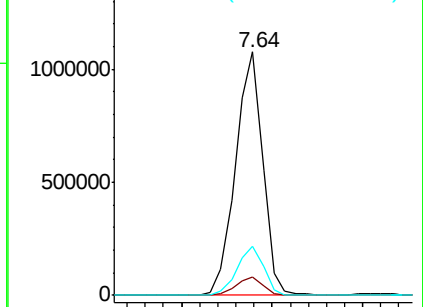
82 100

95 7.5 6.0 9.0

138 20.3 15.7 23.5



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



#26

2-Nitrophenol

Concen: 41.421 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

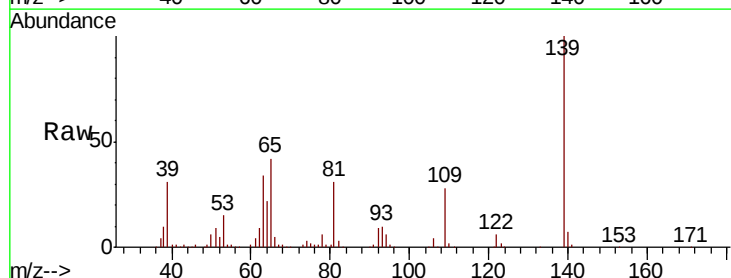
Tgt Ion: 139 Resp: 340436

Ion Ratio Lower Upper

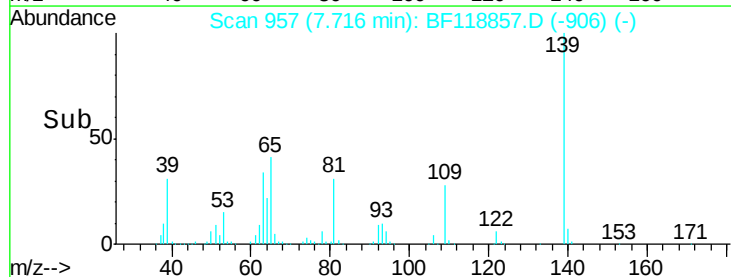
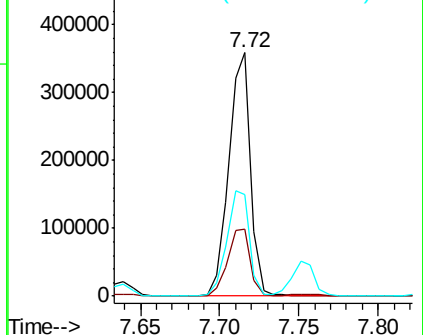
139 100

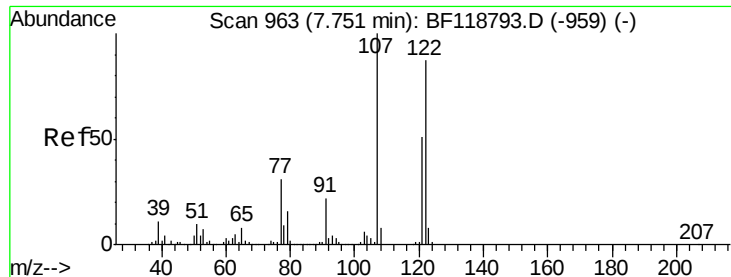
109 27.7 23.4 35.0

65 41.5 36.2 54.2



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





#27

2,4-Dimethylphenol

Concen: 47.050 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

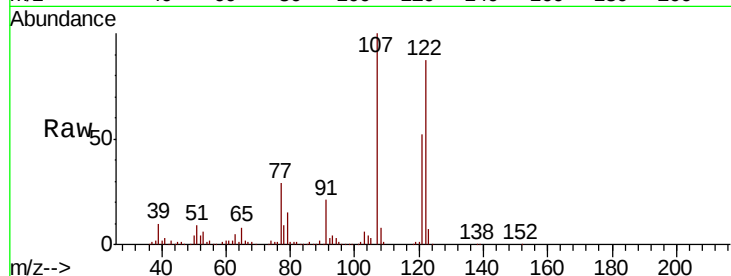
Tot Ion:122 Resp: 525294

Ion Ratio Lower Upper

122 100

107 114.3 92.2 138.2

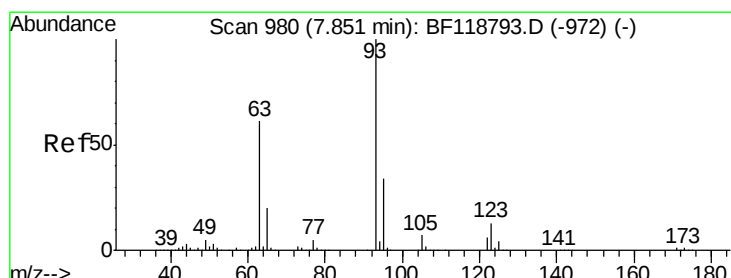
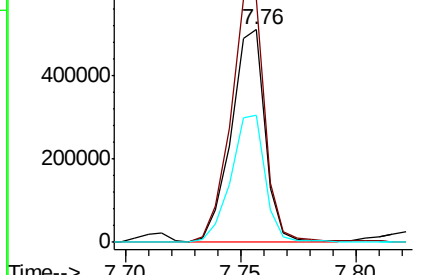
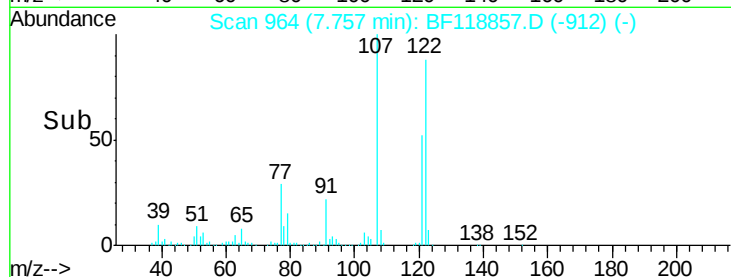
121 59.5 46.8 70.2



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: 39.322 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

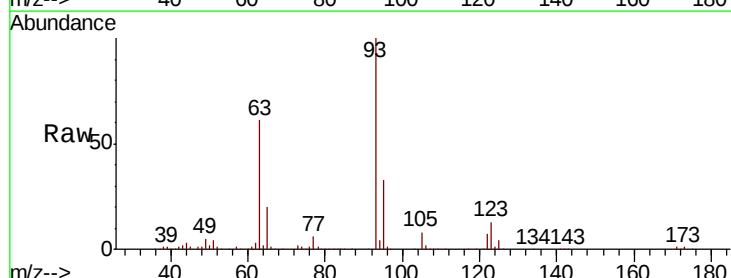
Tgt Ion: 93 Resp: 707515

Ion Ratio Lower Upper

93 100

95 32.7 27.0 40.4

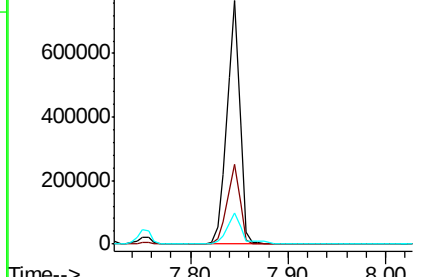
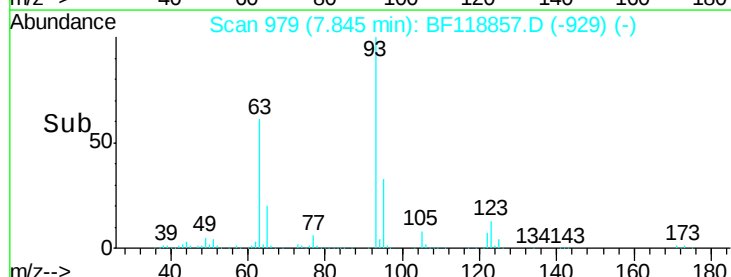
123 12.7 10.6 15.8

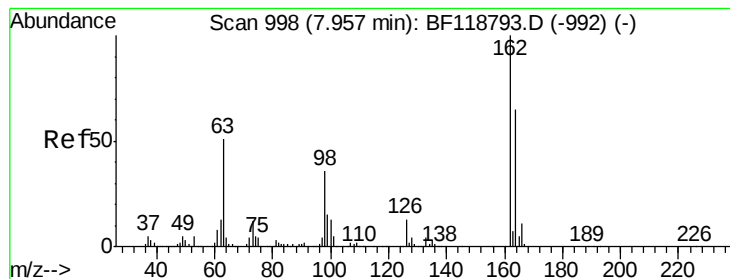


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 41.121 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

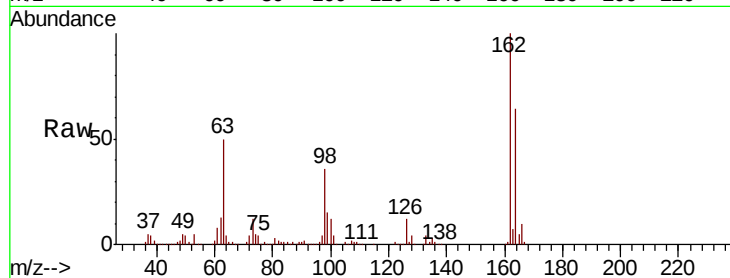
Tot Ion:162 Resp: 549810

Ion Ratio Lower Upper

162 100

164 64.2 44.8 84.8

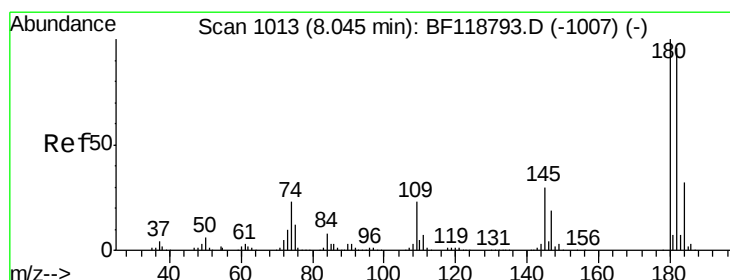
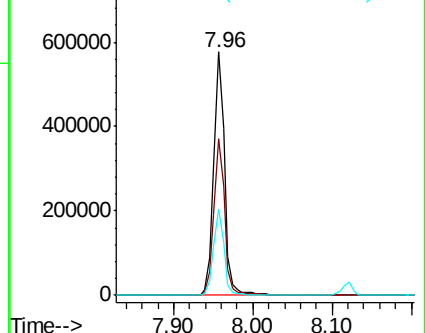
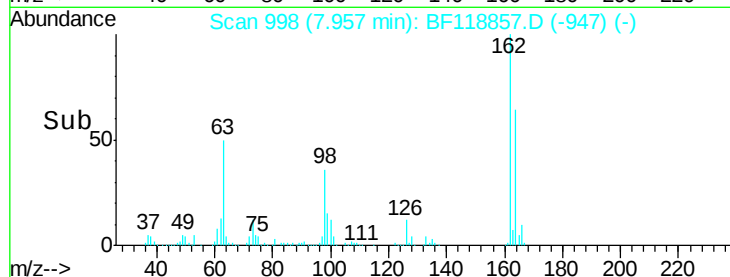
98 35.6 16.4 56.4



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: 38.526 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

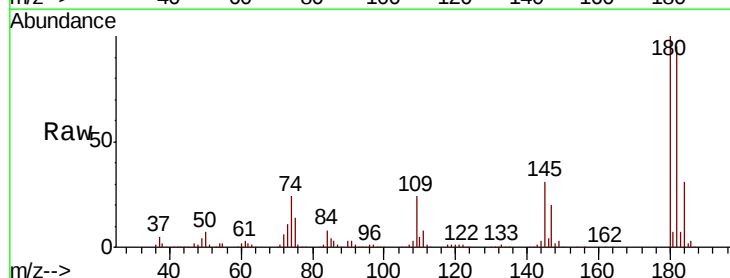
Tgt Ion:180 Resp: 602080

Ion Ratio Lower Upper

180 100

182 94.7 76.6 115.0

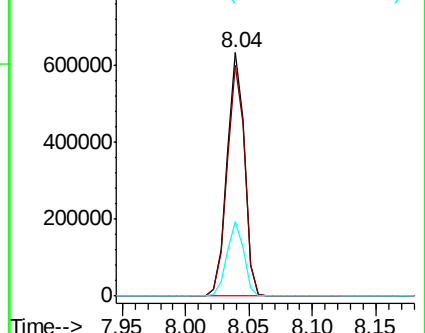
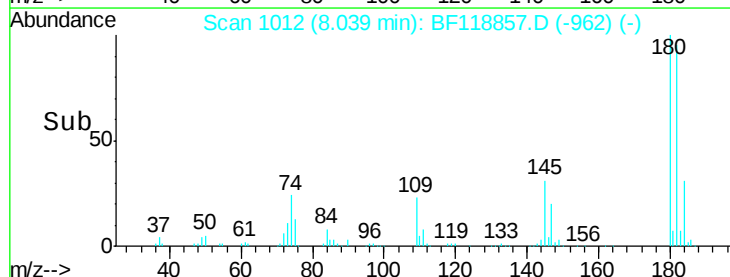
145 30.5 24.0 36.0

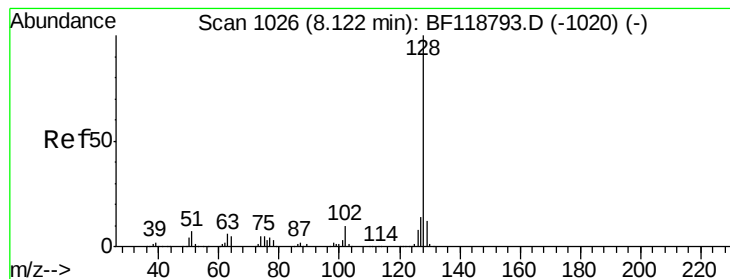


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.408 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

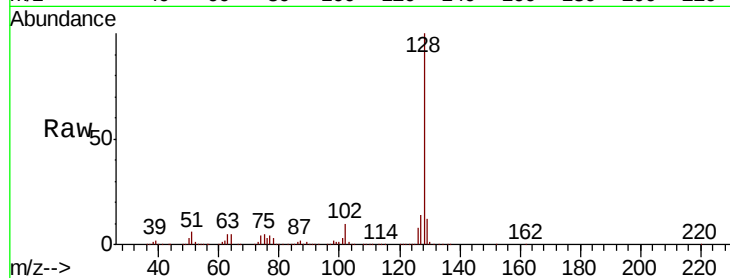
Tot Ion:128 Resp: 1742846

Ion Ratio Lower Upper

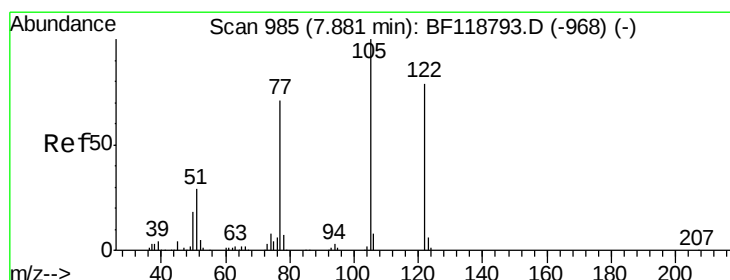
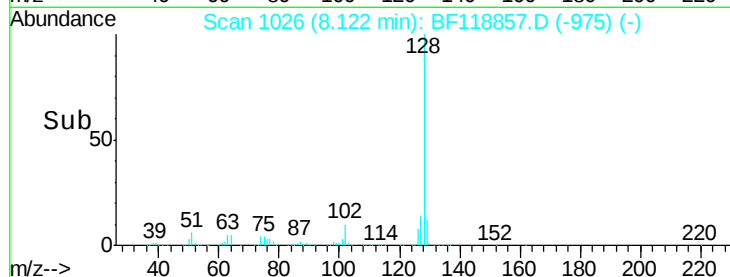
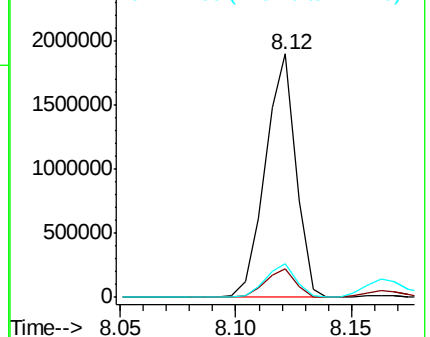
128 100

129 11.6 9.4 14.2

127 13.8 11.3 16.9



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: 32.256 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

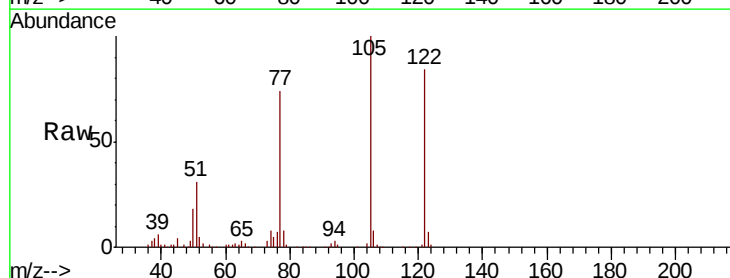
Tgt Ion:122 Resp: 298162

Ion Ratio Lower Upper

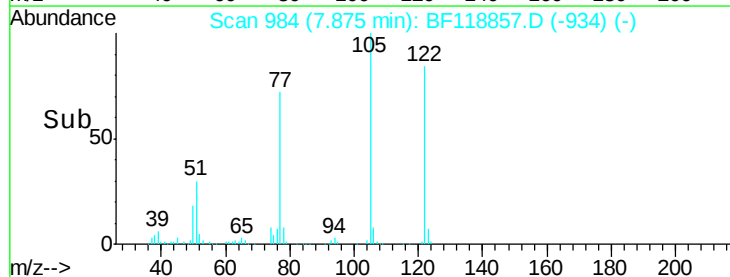
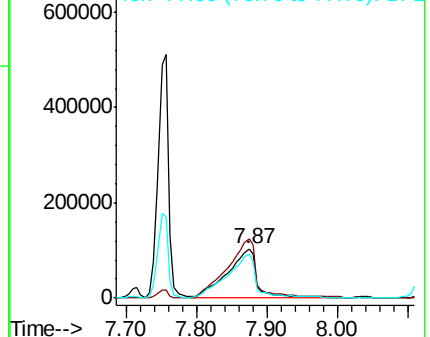
122 100

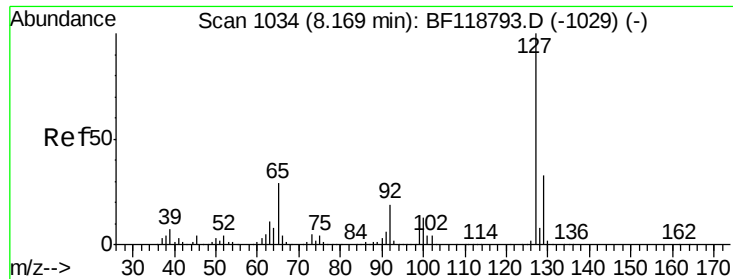
105 119.1 104.4 144.4

77 87.6 69.3 109.3



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

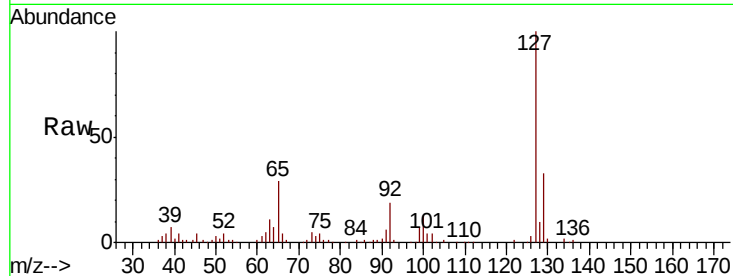




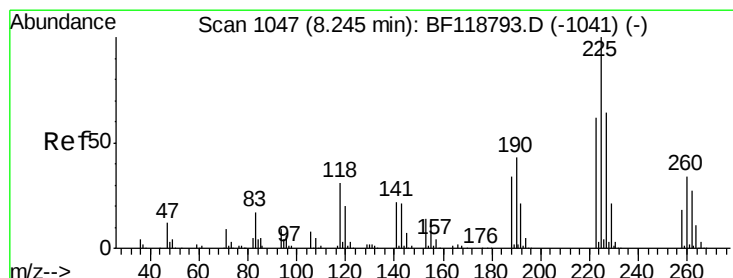
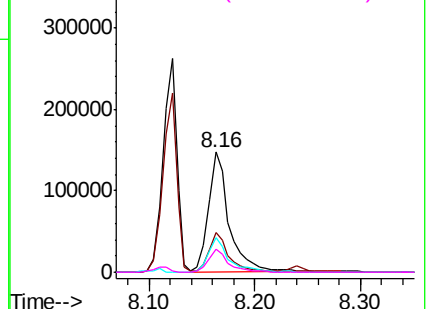
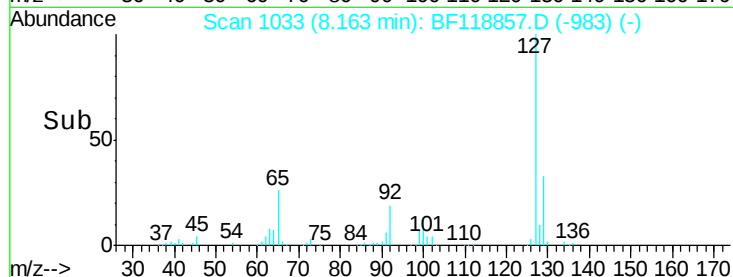
#33
4-Chloroaniline
Concen: 10.681 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:	127	Resp:	201130
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.7	40.1
65	28.6	22.9	34.3
92	19.3	15.4	23.0

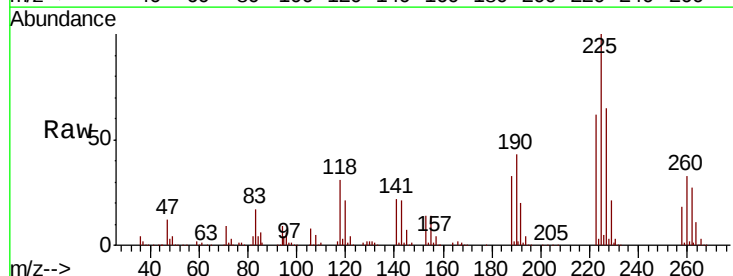


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

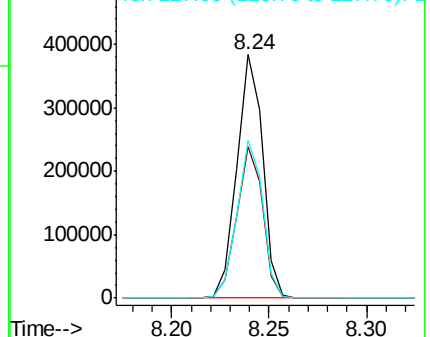
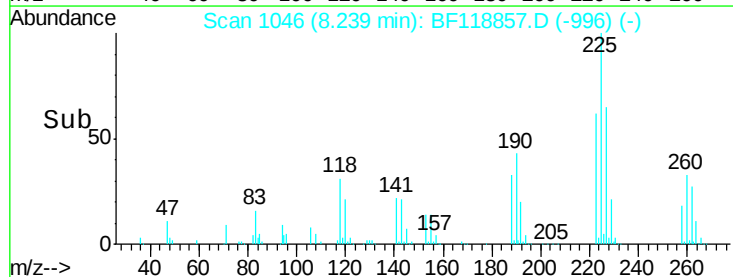


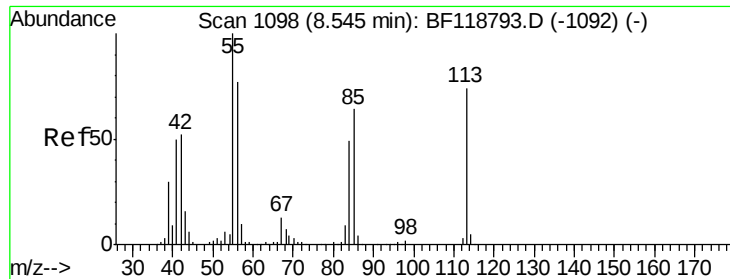
#34
Hexachlorobutadiene
Concen: 36.701 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:	225	Resp:	351403
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.8
227	64.9	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 29.662 ng

RT: 8.54 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

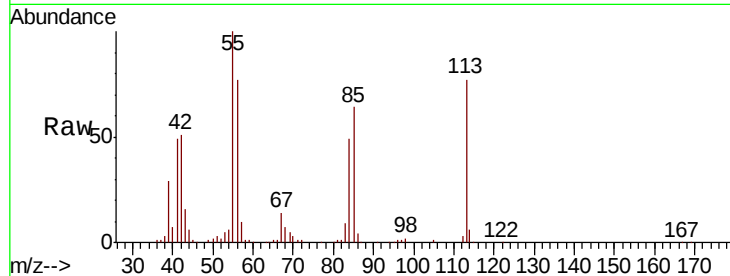
Tot Ion:113 Resp: 128567

Ion Ratio Lower Upper

113 100

55 130.1 115.5 155.5

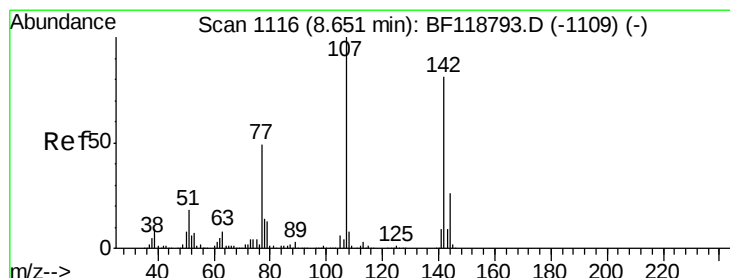
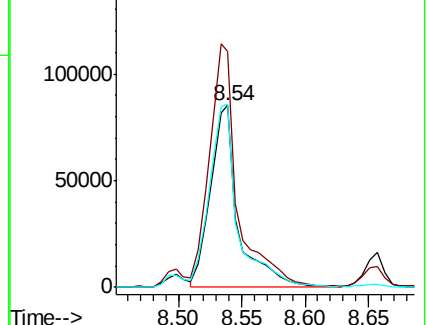
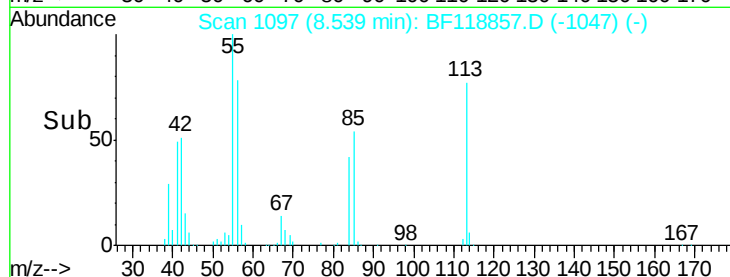
56 100.8 83.7 123.7



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: 41.149 ng

RT: 8.66 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

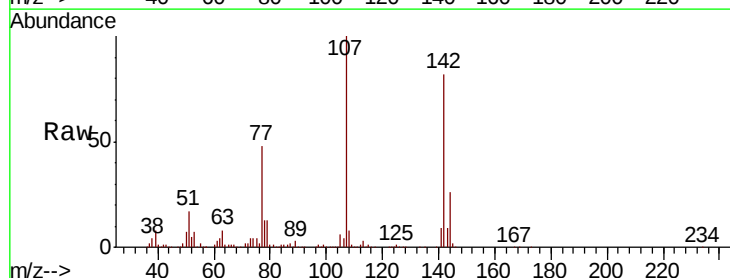
Tgt Ion:107 Resp: 553678

Ion Ratio Lower Upper

107 100

144 26.4 21.0 31.6

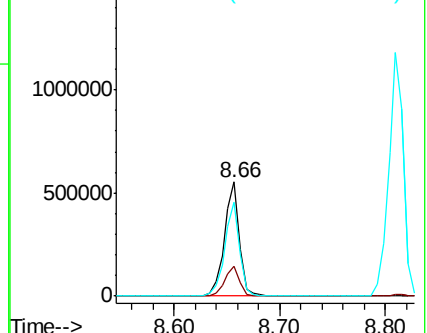
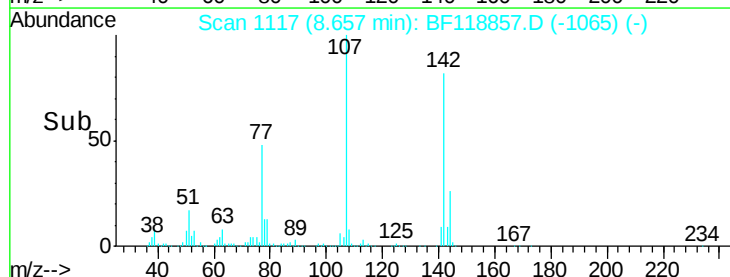
142 81.8 64.8 97.2

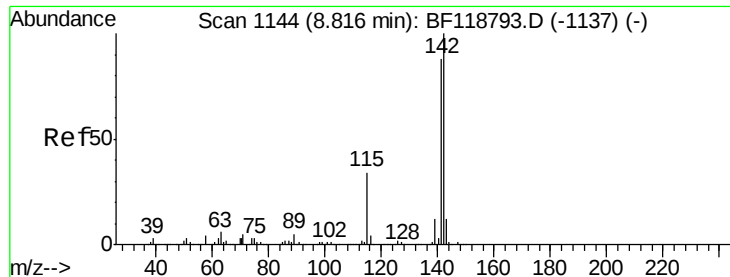


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

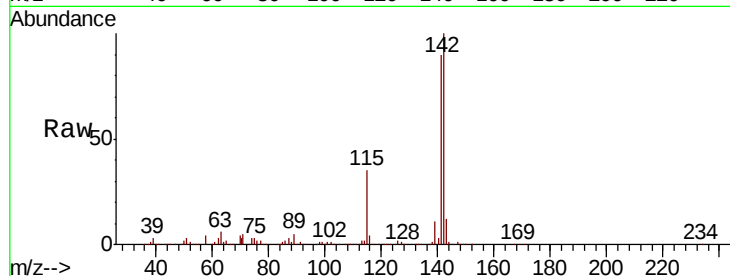




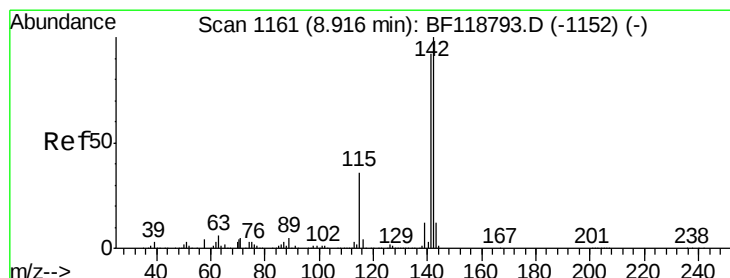
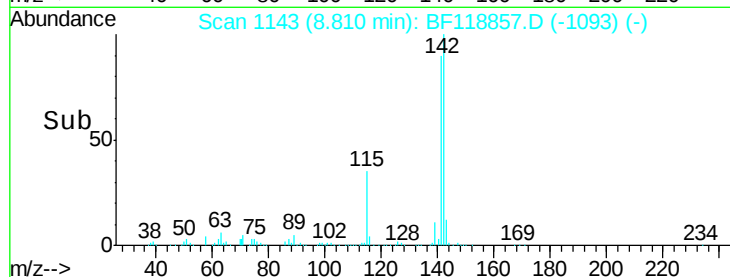
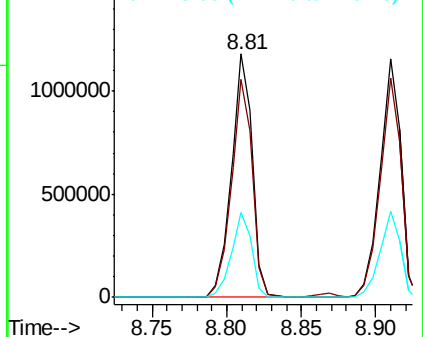
#37
2-Methylnaphthalene
Concen: 39.947 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:142 Resp: 1166089
Ion Ratio Lower Upper
142 100
141 89.5 70.1 105.1
115 35.0 27.3 40.9

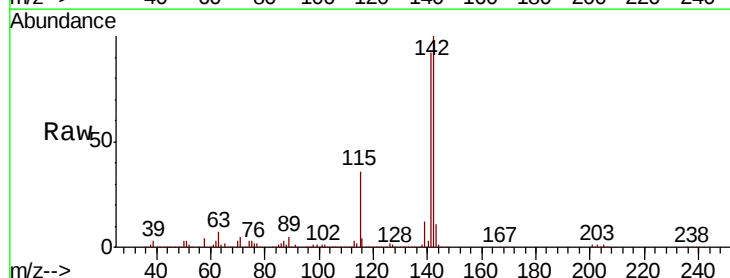


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

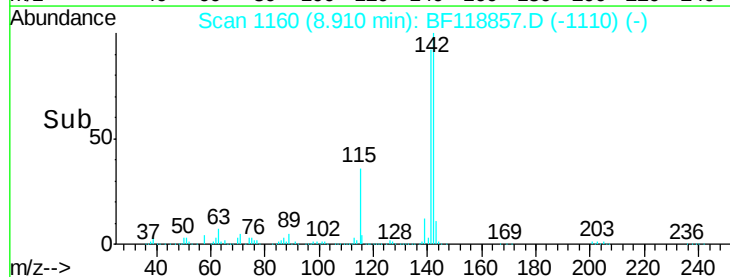
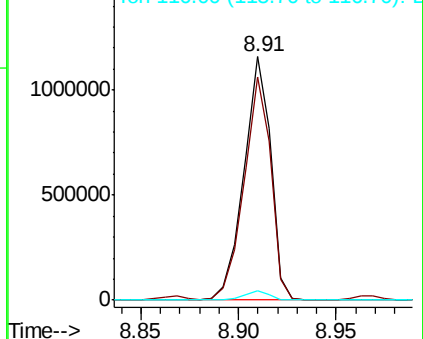


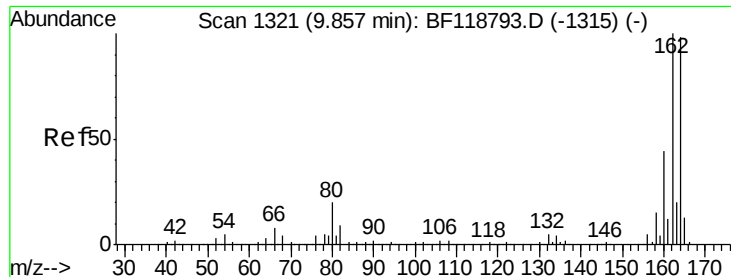
#38
1-Methylnaphthalene
Concen: 40.060 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:142 Resp: 1100080
Ion Ratio Lower Upper
142 100
141 91.7 73.8 110.6
116 3.8 3.0 4.4



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

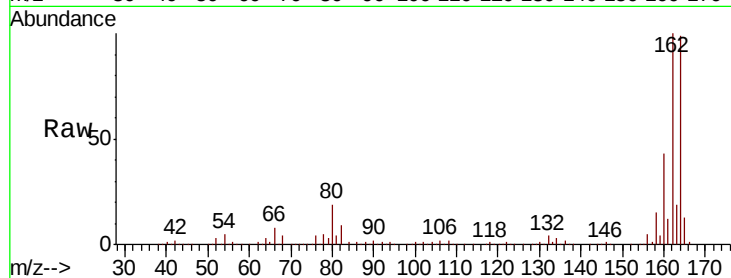
Tot Ion:164 Resp: 487156

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.2

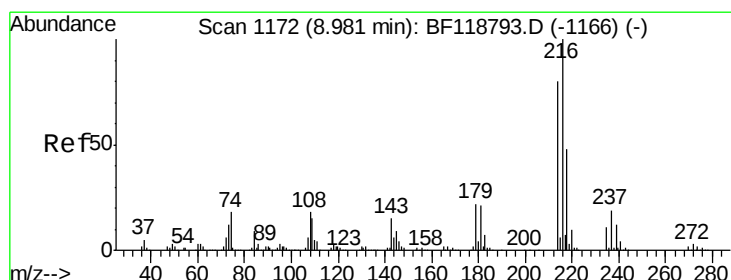
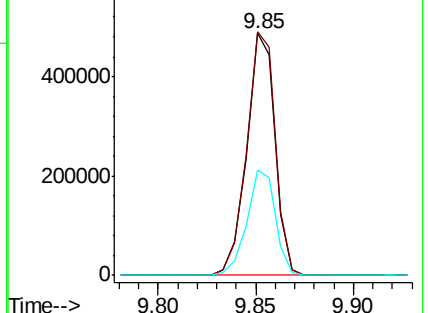
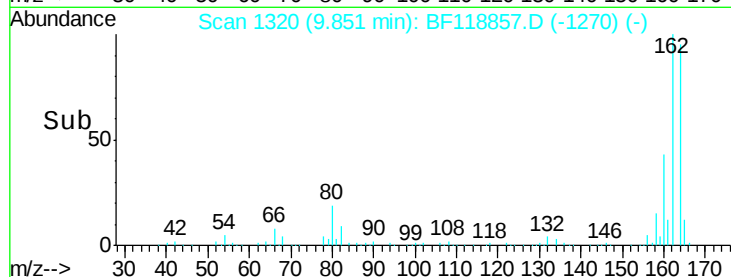
160 43.7 35.6 53.4



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: 39.861 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Tgt Ion:216 Resp: 586065

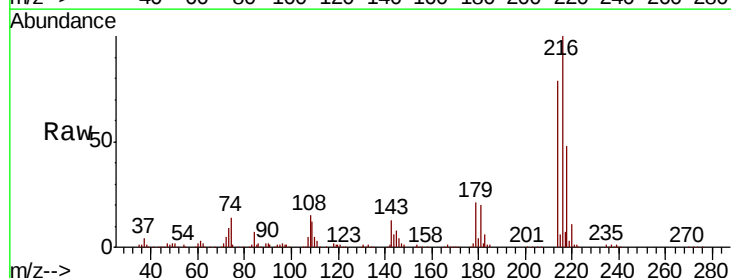
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.4

179 21.1 17.0 25.6

108 16.3 13.5 20.3

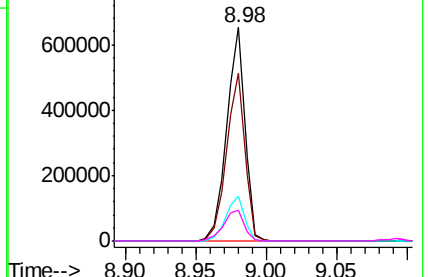
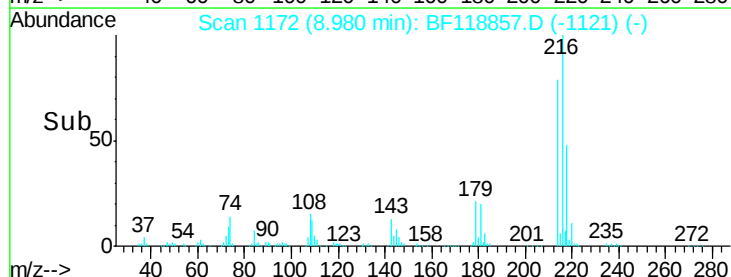


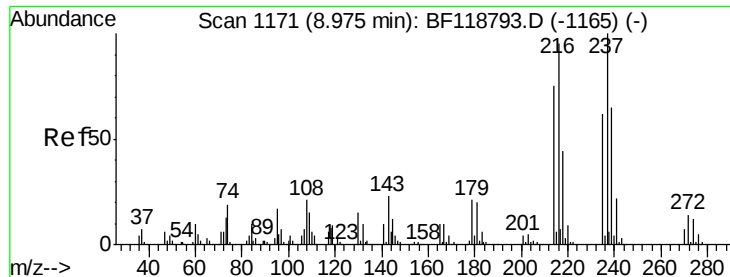
Abundance Ion 216.00 (215.70 to 216.70): E

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: 31.684 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

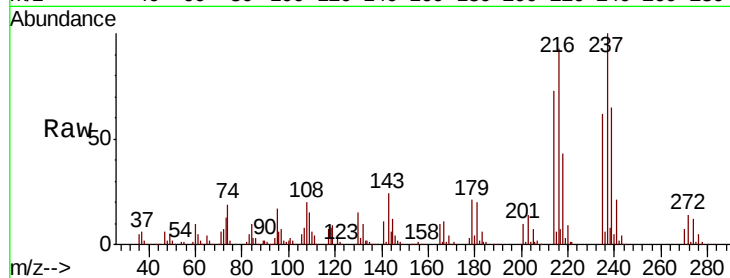
Tot Ion:237 Resp: 182662

Ion Ratio Lower Upper

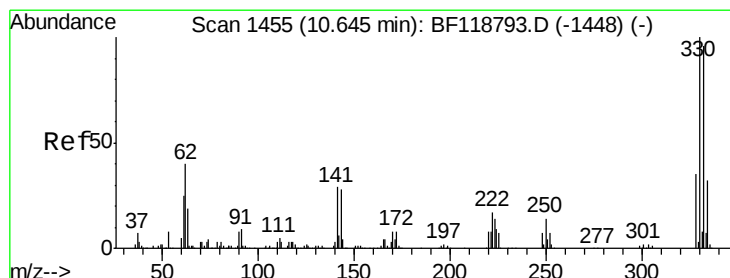
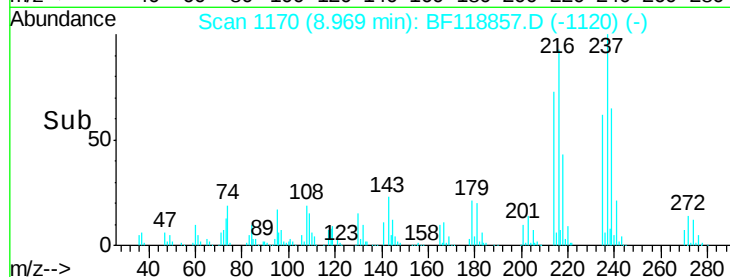
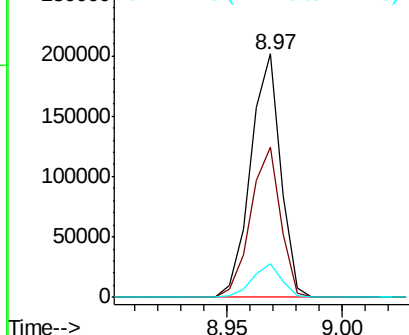
237 100

235 61.9 42.1 82.1

272 13.8 0.0 34.4



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: 107.031 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

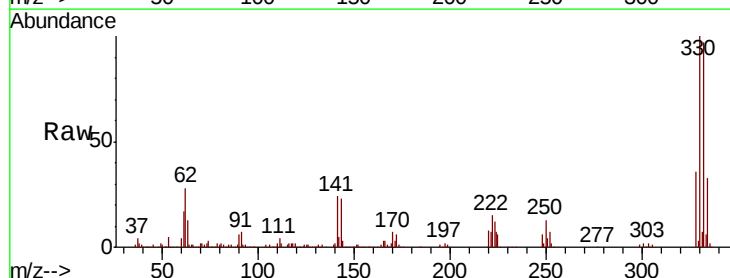
Tgt Ion:330 Resp: 623880

Ion Ratio Lower Upper

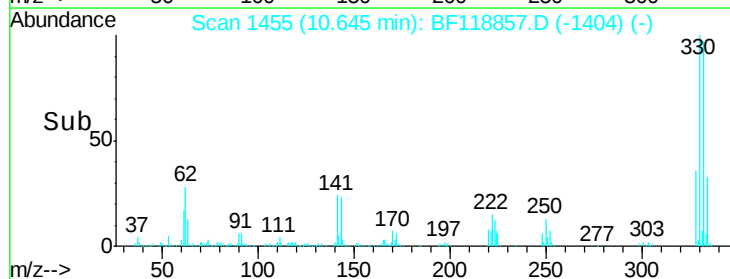
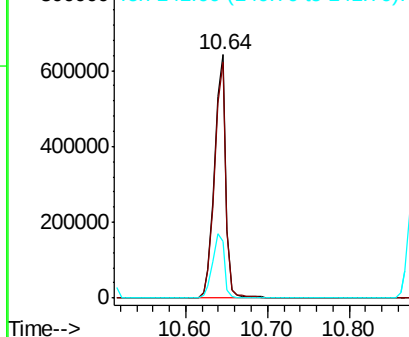
330 100

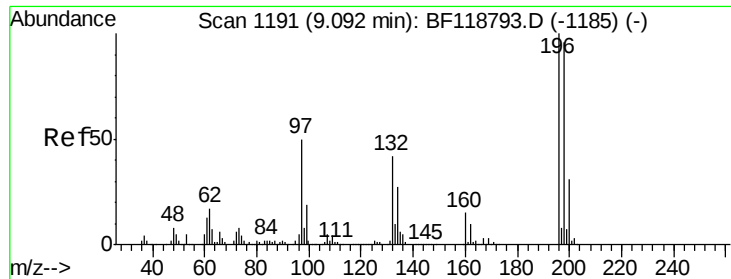
332 96.4 77.3 115.9

141 27.9 22.4 33.6



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

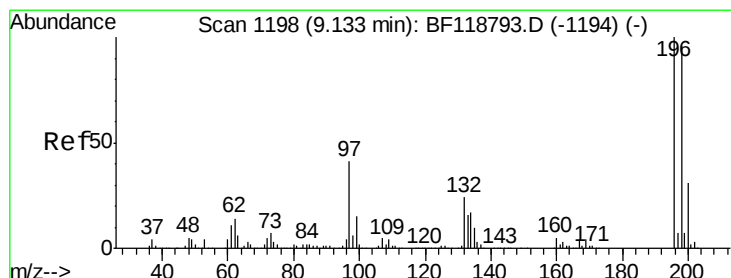
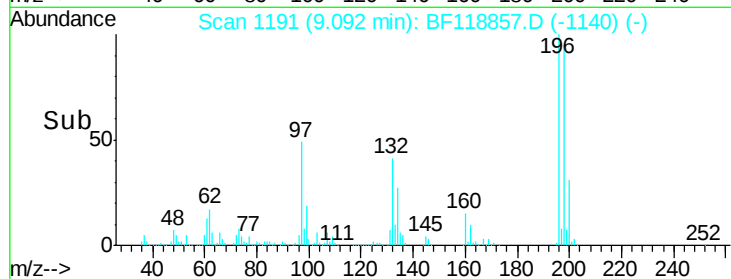
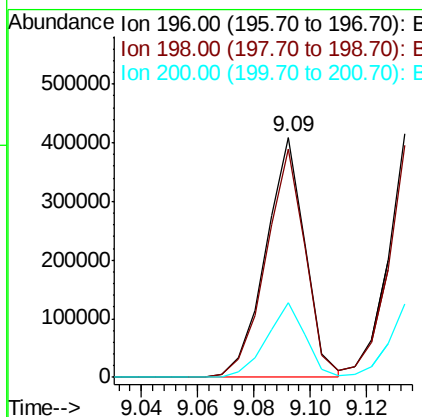
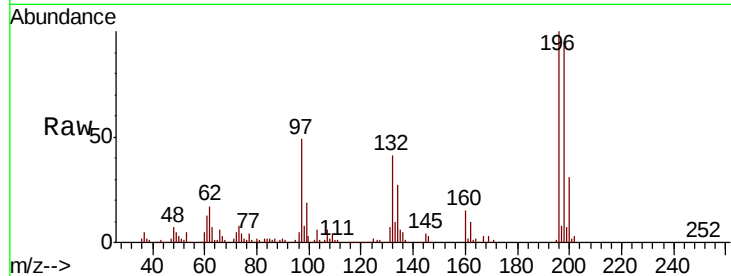




#43
 2,4,6-Trichlorophenol
 Concen: 40.229 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

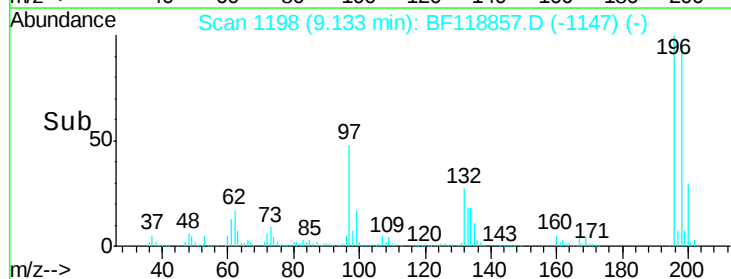
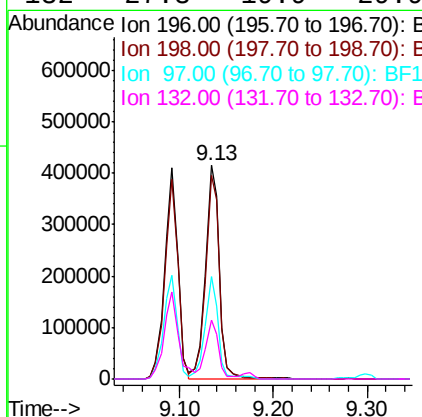
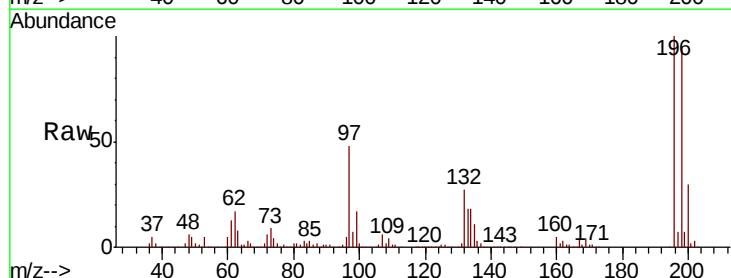
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

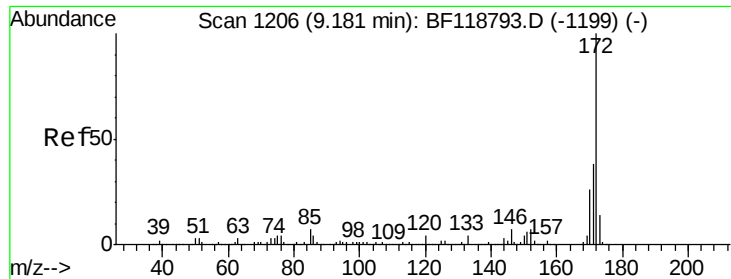
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.7	115.1
200	31.0	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 42.421 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.0	115.4
97	47.8	32.9	49.3
132	27.3	19.9	29.9

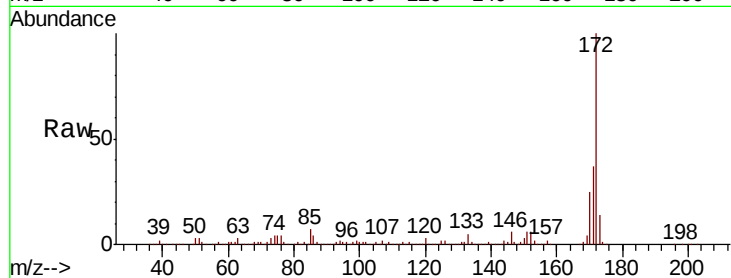




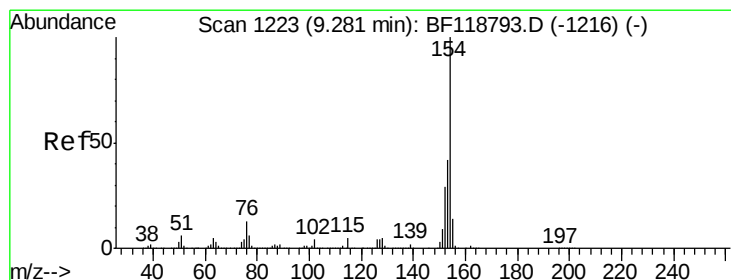
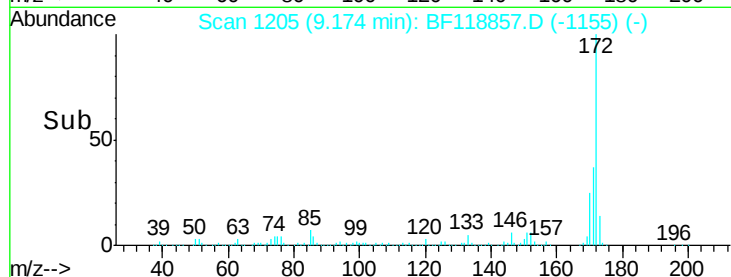
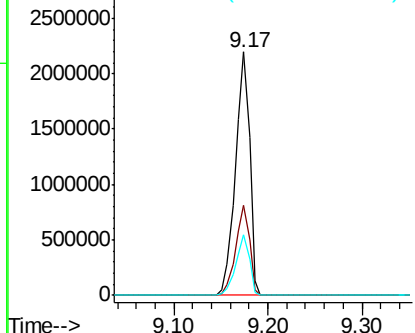
#45
2-Fluorobiphenyl
Concen: 84.381 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:172 Resp: 2299426
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 24.7 20.5 30.7

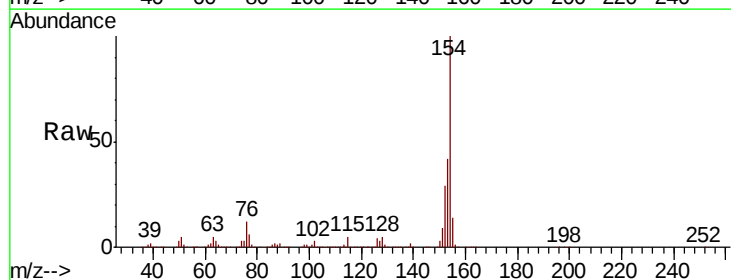


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

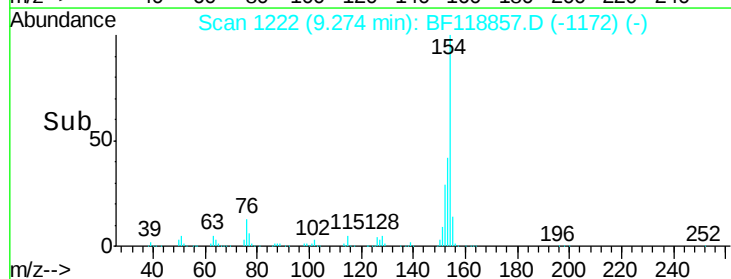
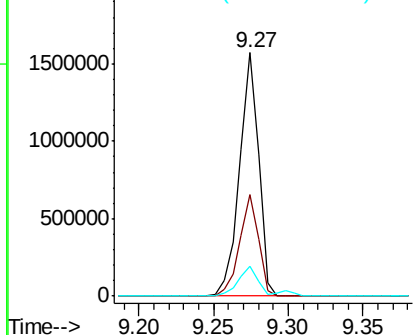


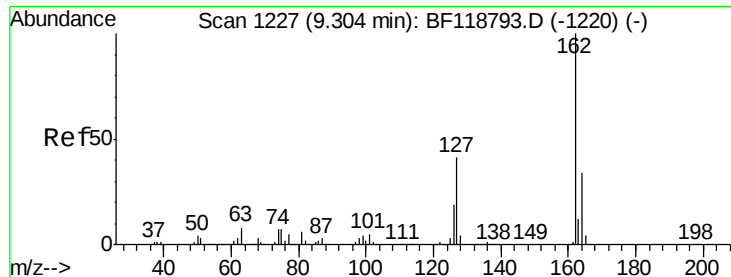
#46
1,1'-Biphenyl
Concen: 41.799 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:154 Resp: 1408567
Ion Ratio Lower Upper
154 100
153 41.7 22.4 62.4
76 12.5 0.0 32.7



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

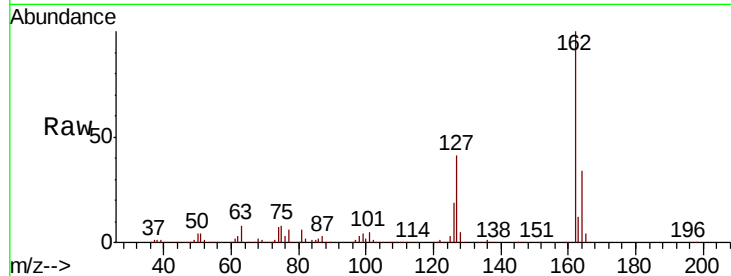




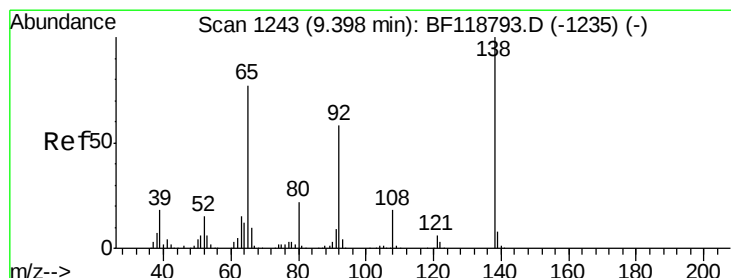
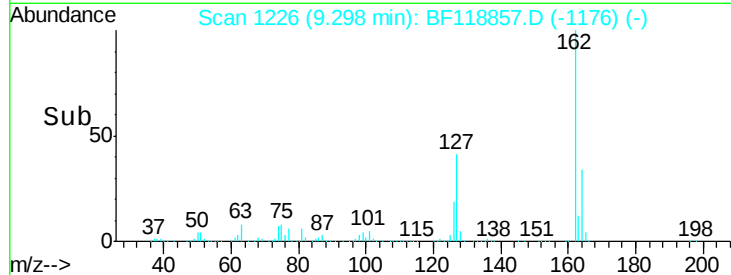
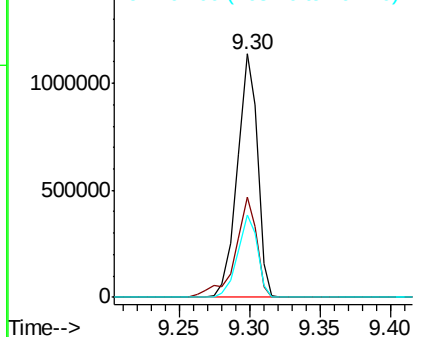
#47
 2-Chloronaphthalene
 Concen: 40.269 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

Tot Ion:	162	Resp:	1128122
Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.3	49.9
164	34.1	27.1	40.7

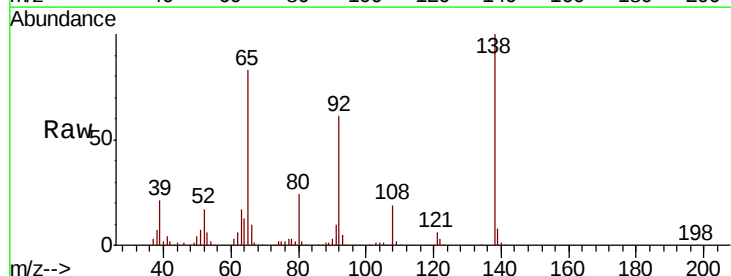


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

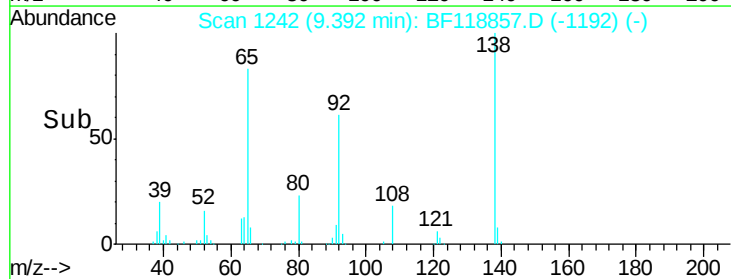
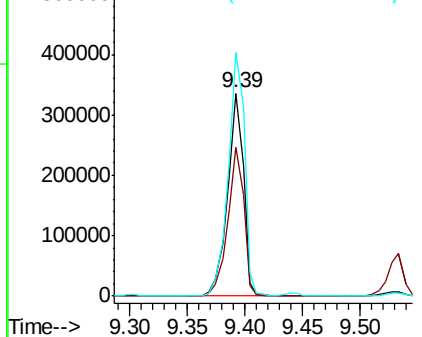


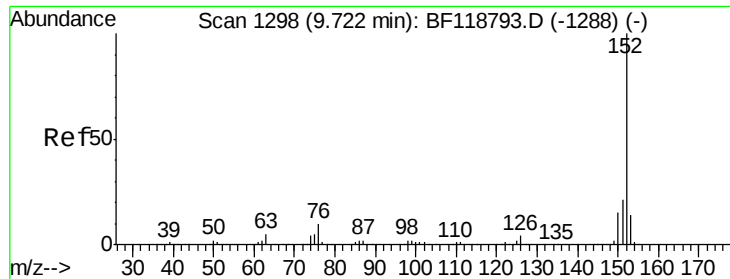
#48
 2-Nitroaniline
 Concen: 39.862 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion:	65	Resp:	322088
Ion	Ratio	Lower	Upper
65	100		
92	73.4	60.6	91.0
138	120.0	104.6	156.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.064 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

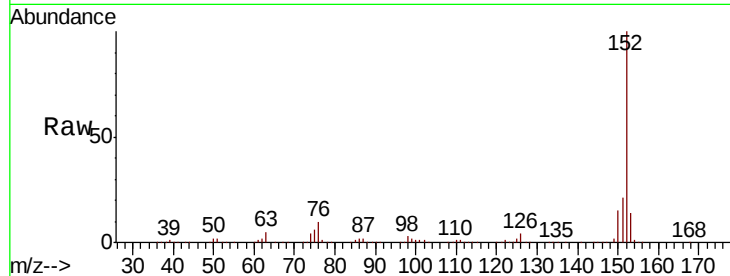
Tot Ion:152 Resp: 1741932

Ion Ratio Lower Upper

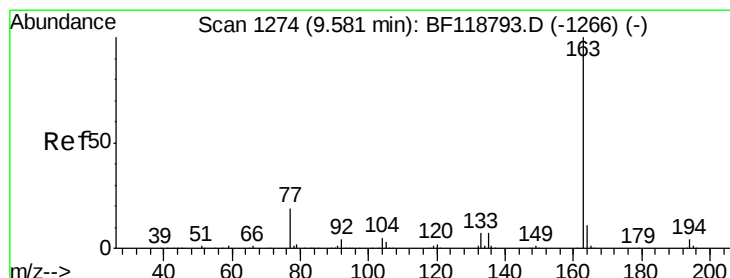
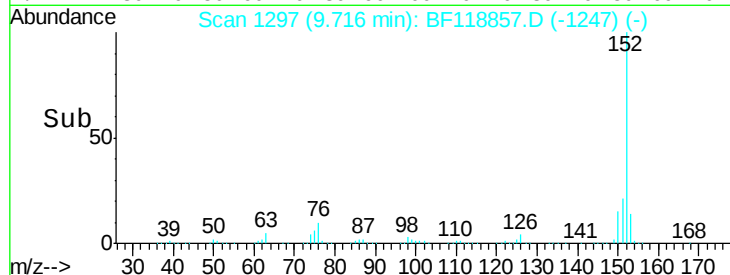
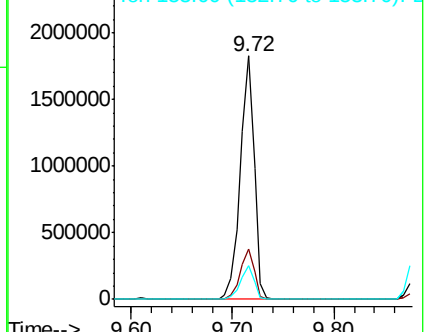
152 100

151 20.7 17.1 25.7

153 13.7 11.0 16.4



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: 43.180 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

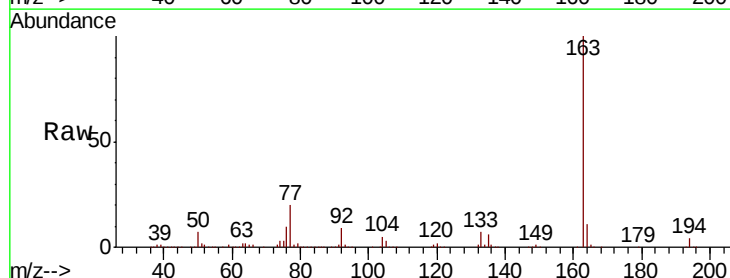
Tgt Ion:163 Resp: 1432311

Ion Ratio Lower Upper

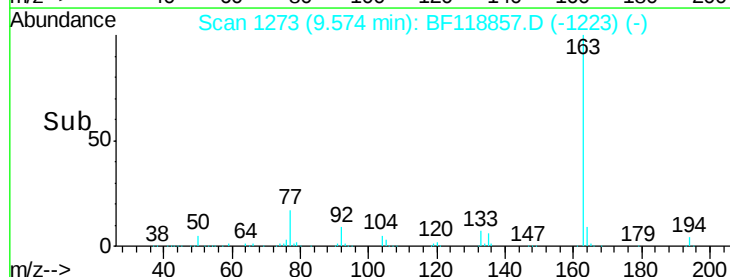
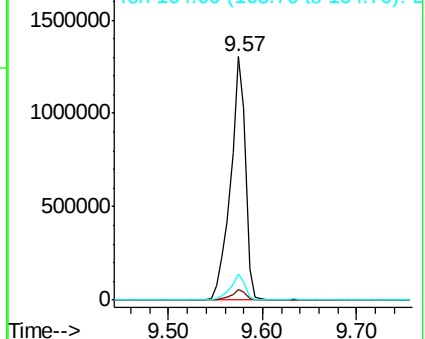
163 100

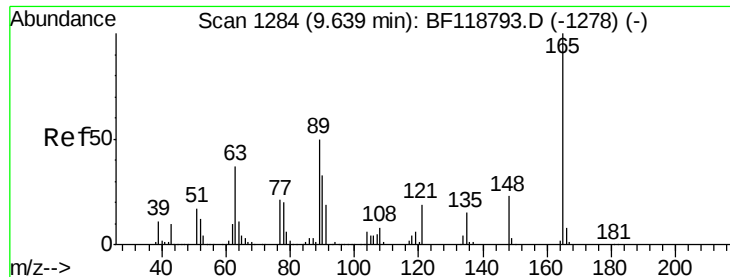
194 4.4 3.6 5.4

164 10.8 8.7 13.1



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

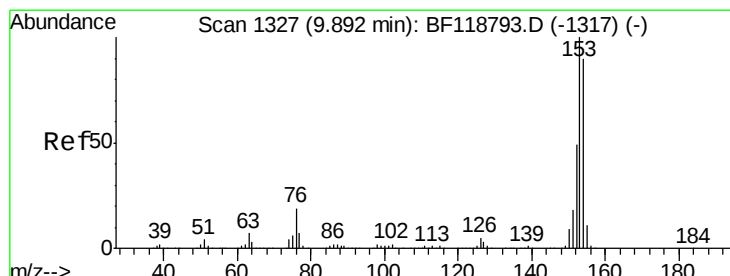
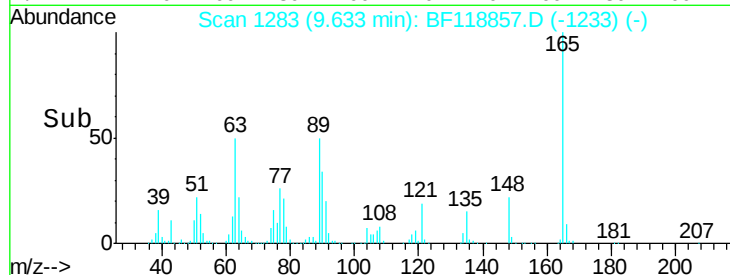
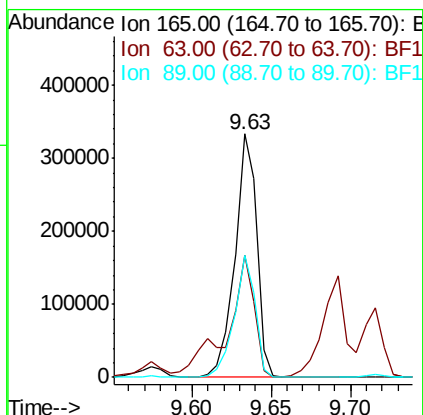
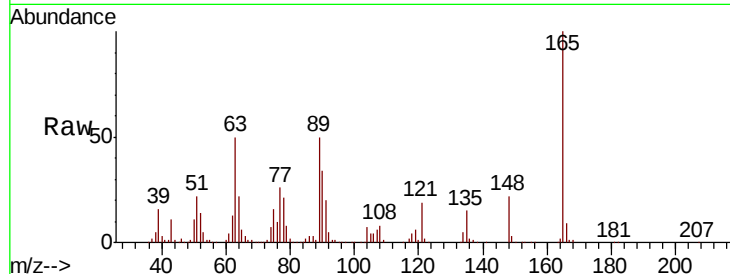




#51
 2,6-Dinitrotoluene
 Concen: 41.874 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

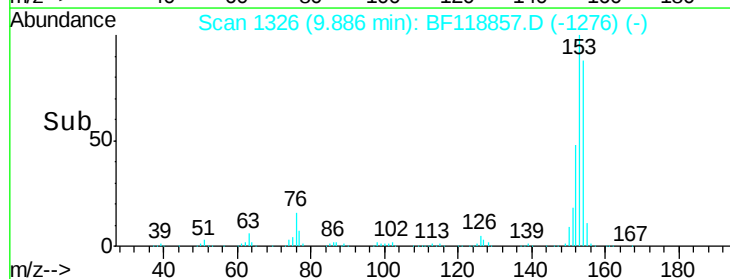
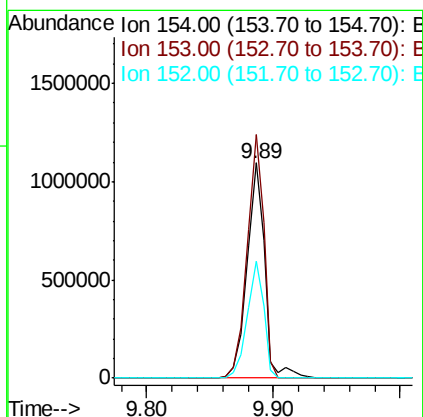
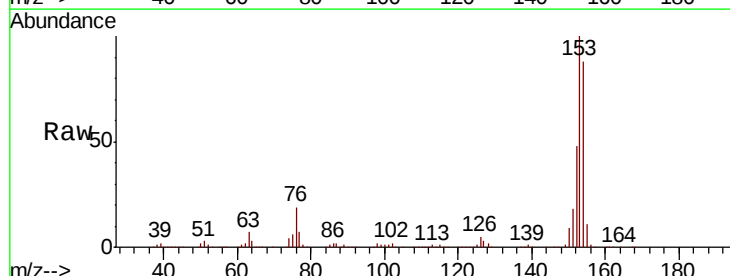
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

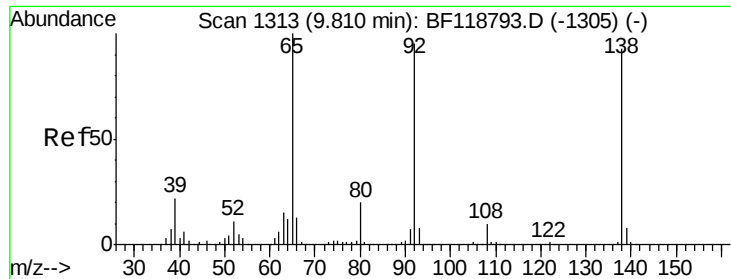
Tot Ion:165 Resp: 317814
 Ion Ratio Lower Upper
 165 100
 63 49.9 37.4 56.0
 89 50.2 39.7 59.5



#52
 Acenaphthene
 Concen: 39.501 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion:154 Resp: 1052899
 Ion Ratio Lower Upper
 154 100
 153 113.0 89.4 134.0
 152 54.2 43.6 65.4

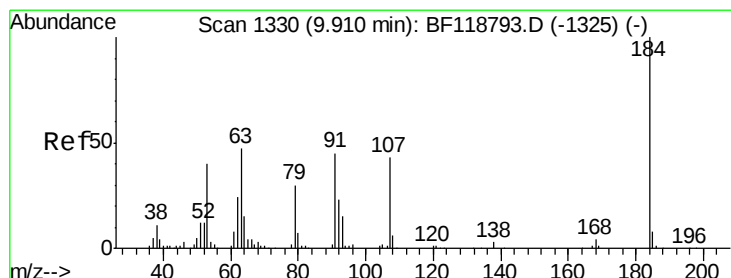
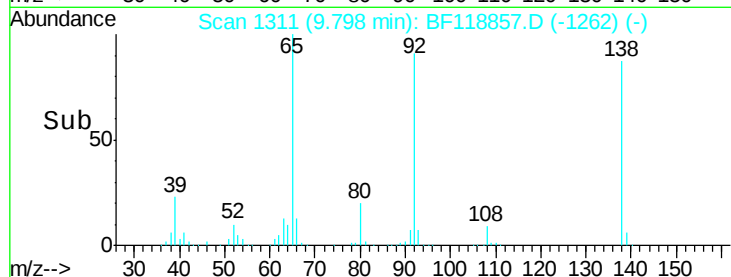
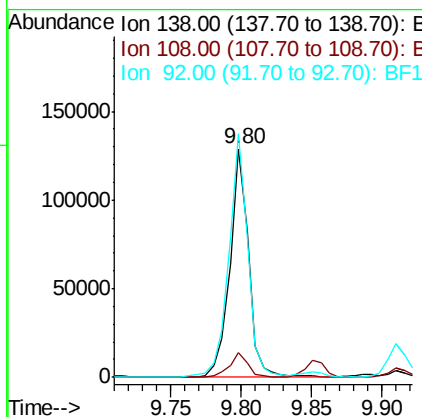
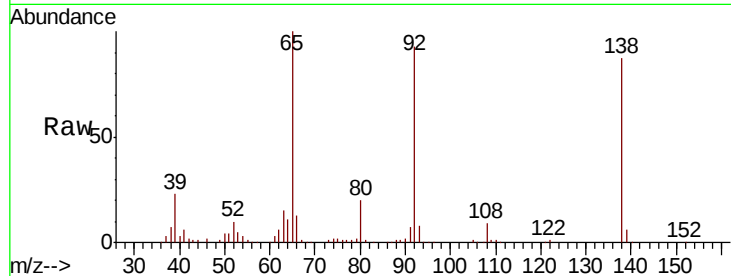




#53
3-Nitroaniline
Concen: 14.192 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

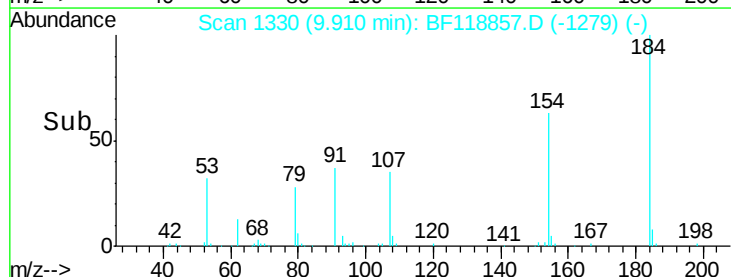
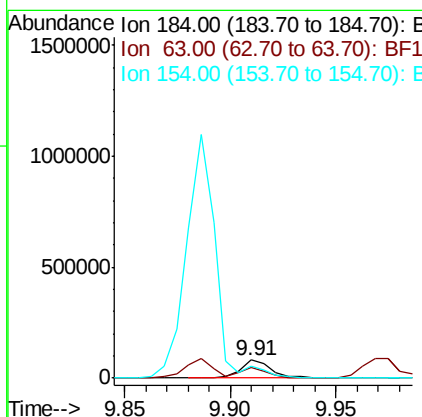
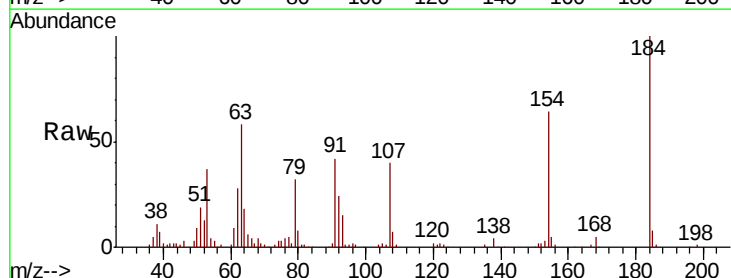
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

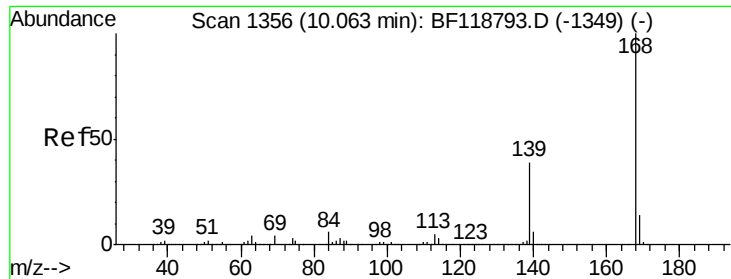
Tot Ion:138 Resp: 119459
Ion Ratio Lower Upper
138 100
108 10.8 8.5 12.7
92 106.5 82.2 123.4



#54
2,4-Dinitrophenol
Concen: 22.577 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:184 Resp: 82376
Ion Ratio Lower Upper
184 100
63 57.6 47.5 71.3
154 63.8 48.6 72.8

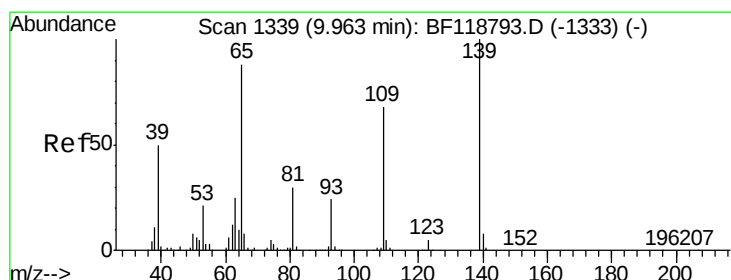
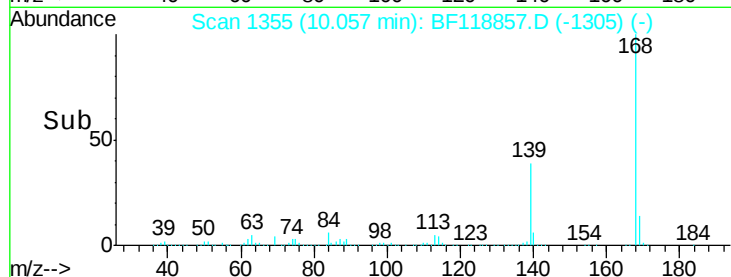
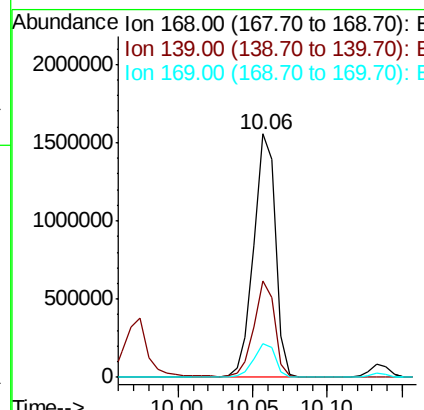
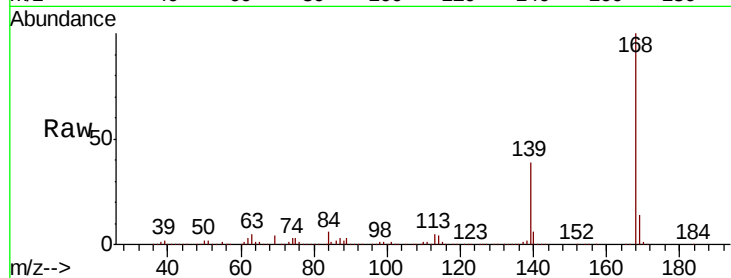




#55
Dibenzofuran
Concen: 40.387 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

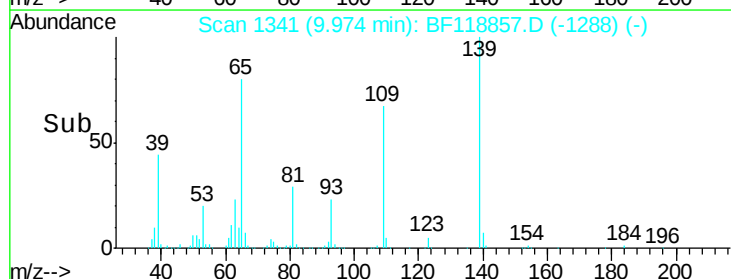
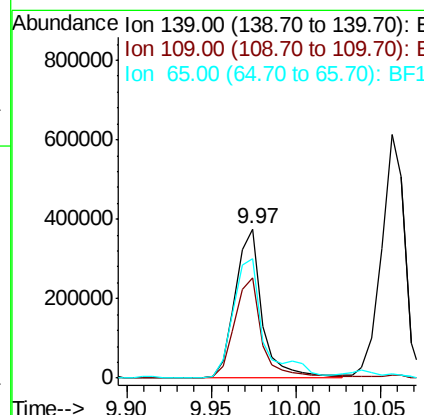
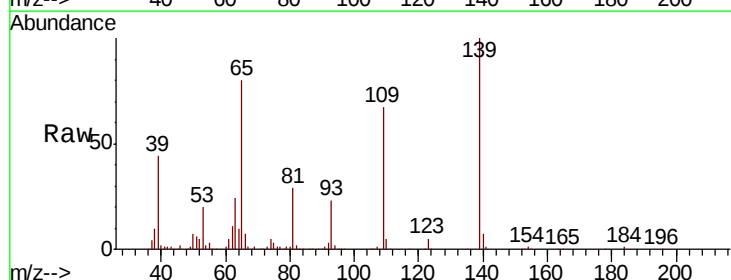
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

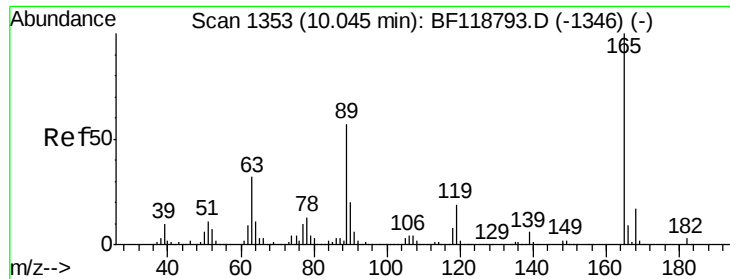
Tot Ion:168 Resp: 1555728
Ion Ratio Lower Upper
168 100
139 39.4 31.6 47.4
169 14.0 11.4 17.2



#56
4-Nitrophenol
Concen: 68.777 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:139 Resp: 418989
Ion Ratio Lower Upper
139 100
109 67.4 48.0 88.0
65 80.0 68.3 108.3

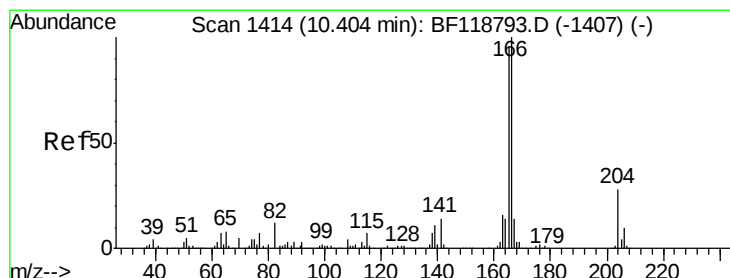
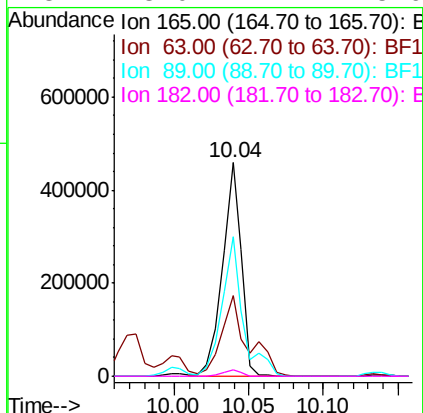
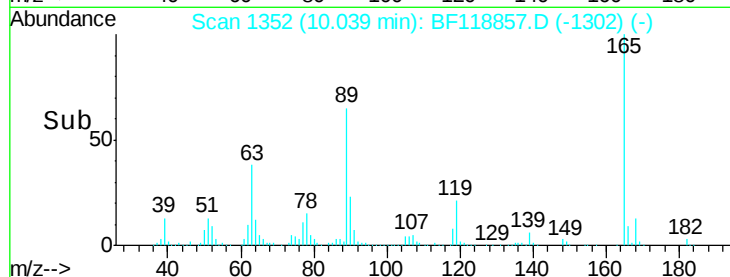
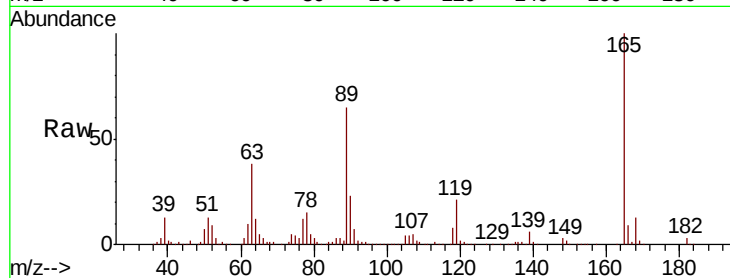




#57
2,4-Dinitrotoluene
Concen: 40.964 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

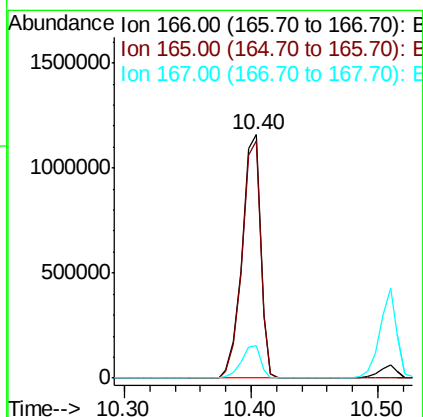
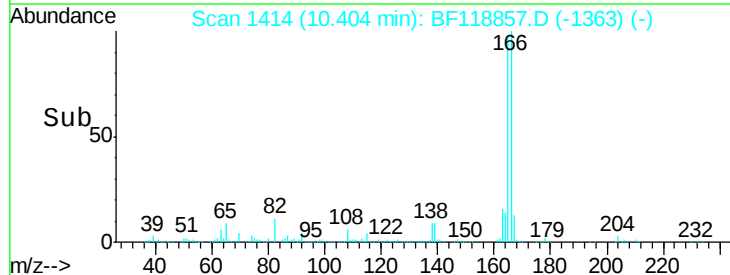
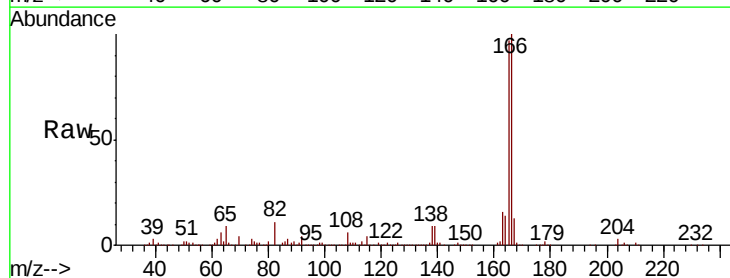
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

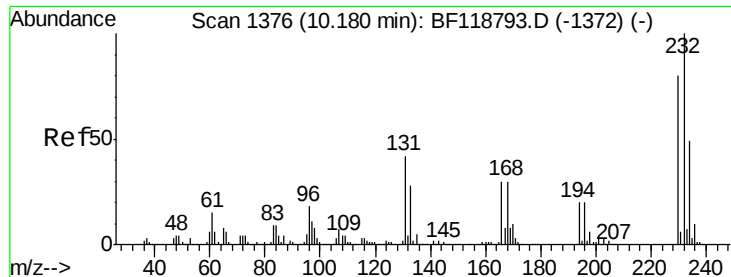
Tot Ion	Ratio	Lower	Upper
165	100		
63	38.0	25.5	38.3
89	65.1	45.4	68.0
182	3.0	2.4	3.6



#58
Fluorene
Concen: 40.138 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.0	115.6
167	13.2	11.1	16.7

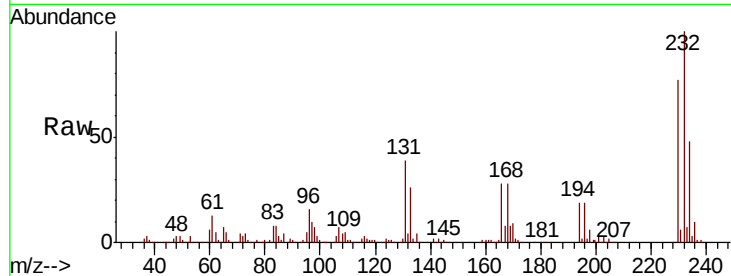




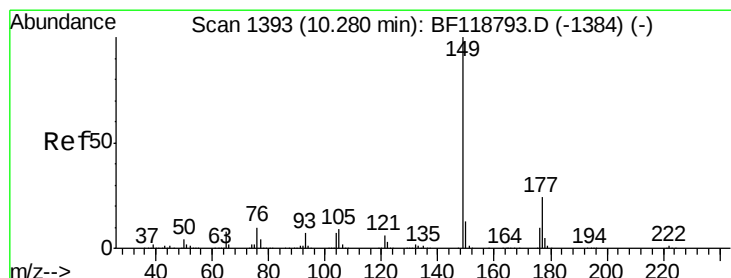
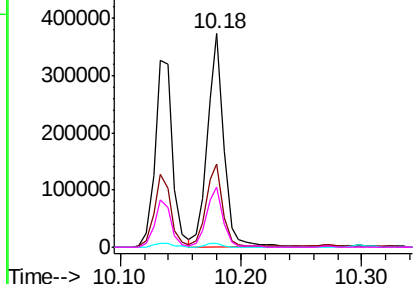
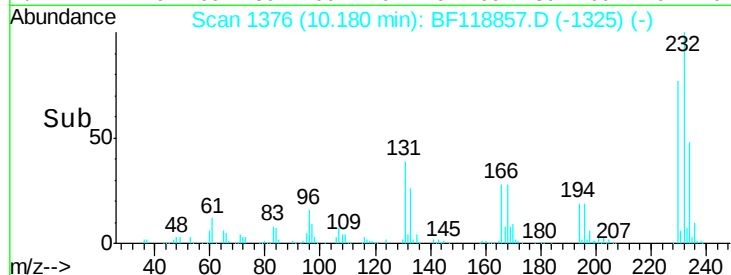
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.768 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:232 Resp: 348892
Ion Ratio Lower Upper
232 100
131 39.5 31.8 47.6
130 2.1 1.6 2.4
166 28.1 23.1 34.7

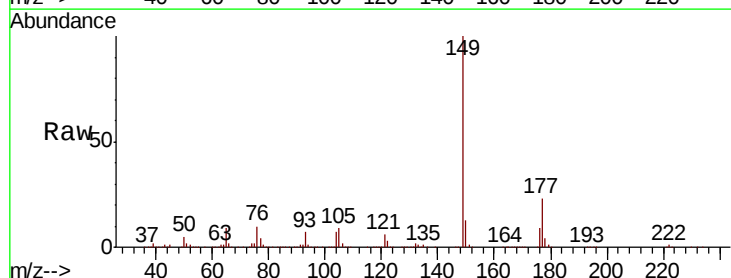


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

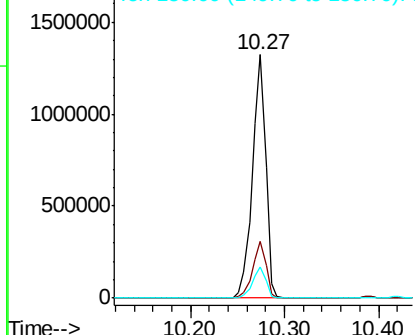
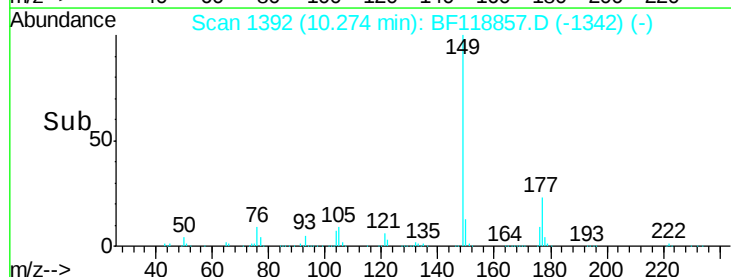


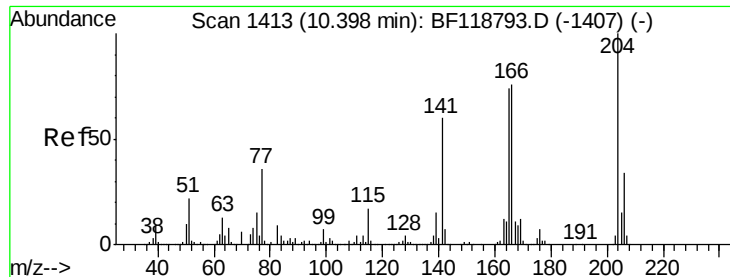
#60
Diethylphthalate
Concen: 40.354 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:149 Resp: 1301616
Ion Ratio Lower Upper
149 100
177 23.4 19.3 28.9
150 13.0 10.4 15.6



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

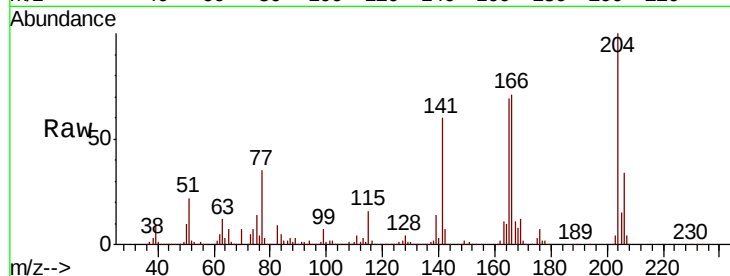




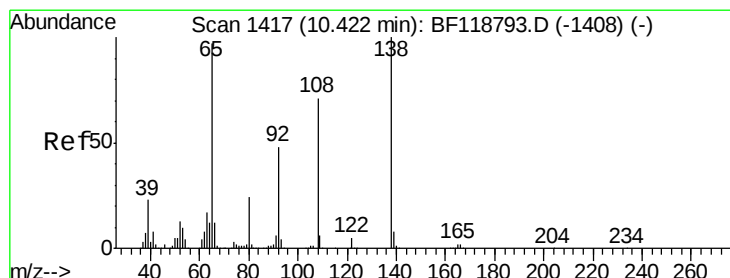
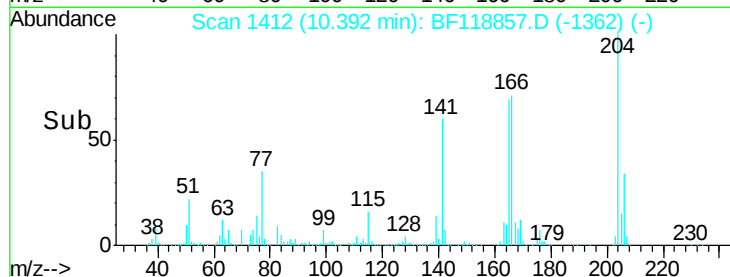
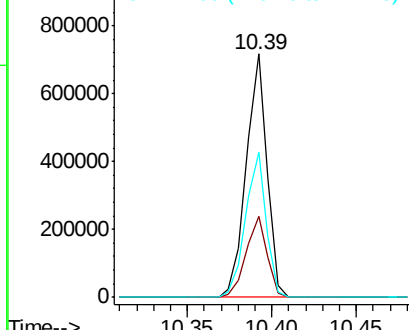
#61
4-Chlorophenyl-phenylether
Concen: 39.333 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:204 Resp: 618171
Ion Ratio Lower Upper
204 100
206 33.6 27.4 41.2
141 59.8 47.8 71.6

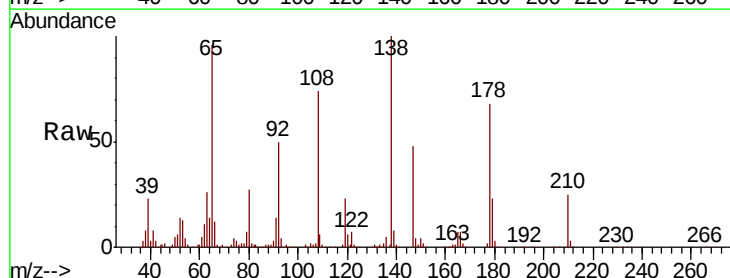


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

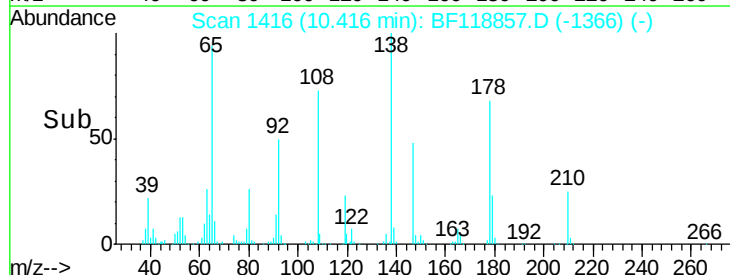
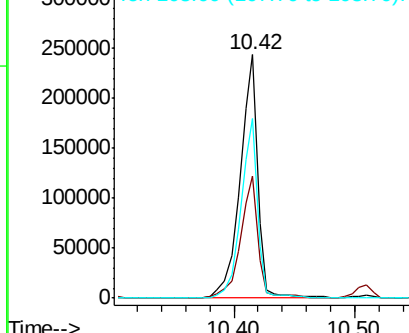


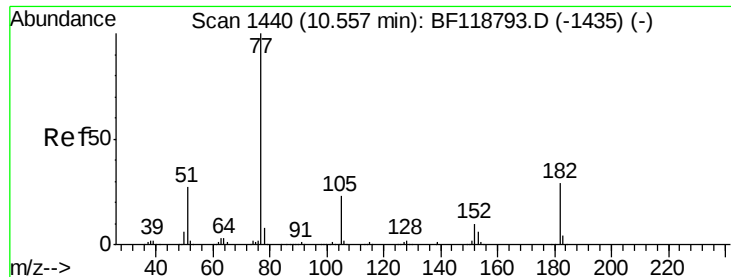
#62
4-Nitroaniline
Concen: 29.634 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:138 Resp: 249794
Ion Ratio Lower Upper
138 100
92 50.2 27.6 67.6
108 73.6 51.3 91.3



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: 40.630 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

Tot Ion: 77 Resp: 1118837

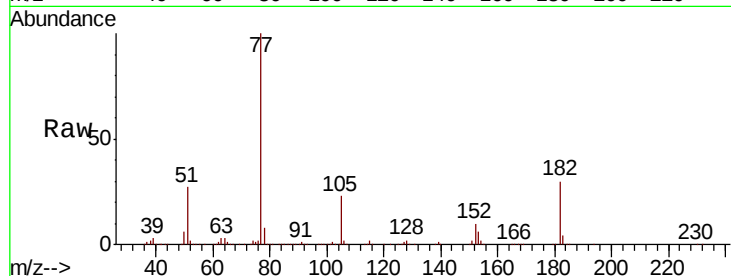
Ion Ratio Lower Upper

77 100

182 29.8 9.2 49.2

105 22.8 3.1 43.1

51 27.2 7.4 47.4

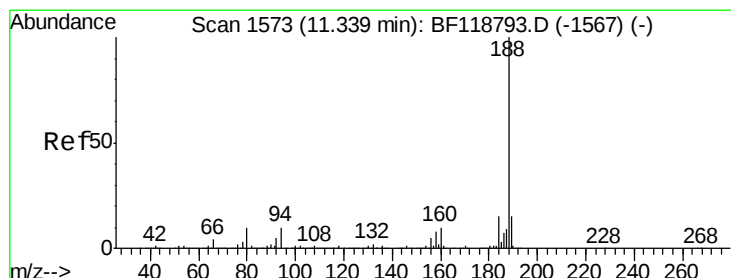
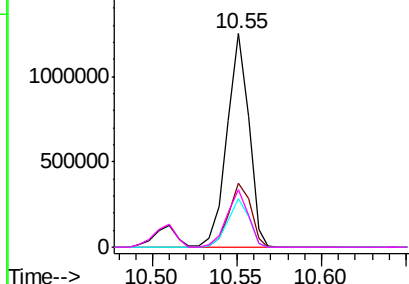
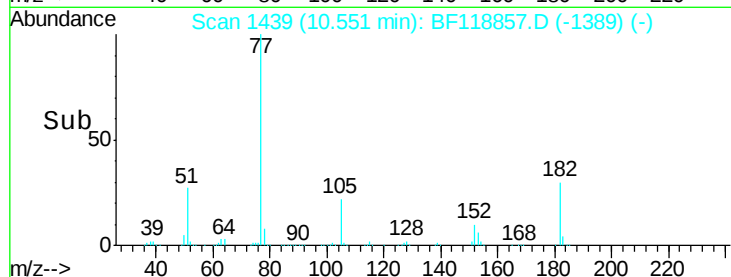


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

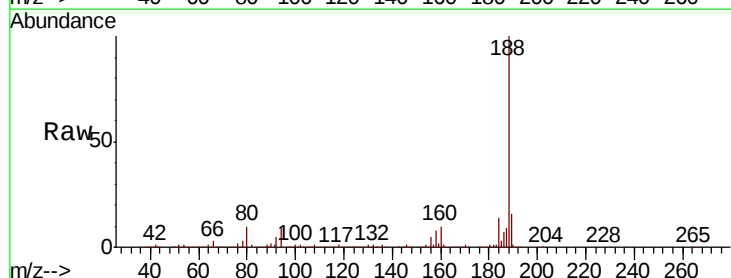
Tgt Ion: 188 Resp: 853747

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

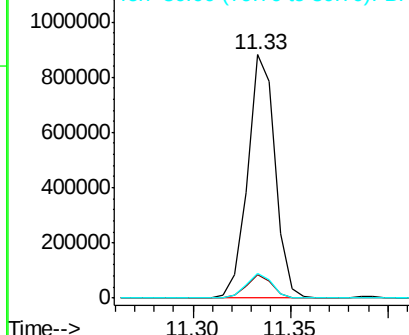
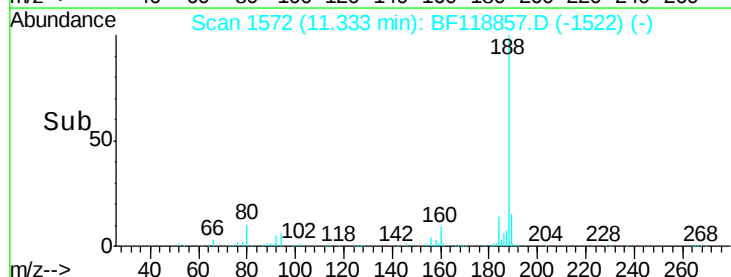
80 10.3 8.4 12.6

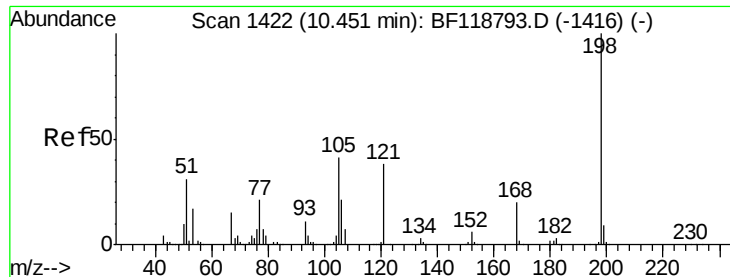


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

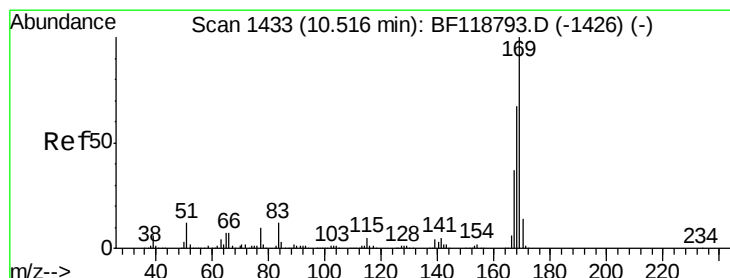
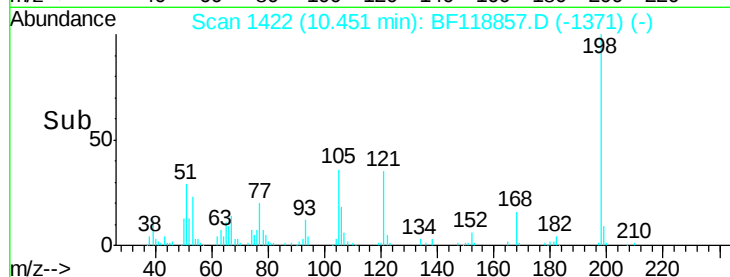
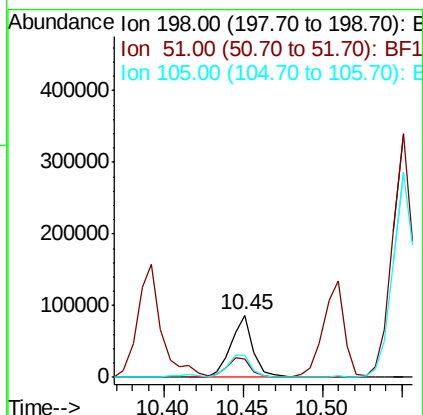
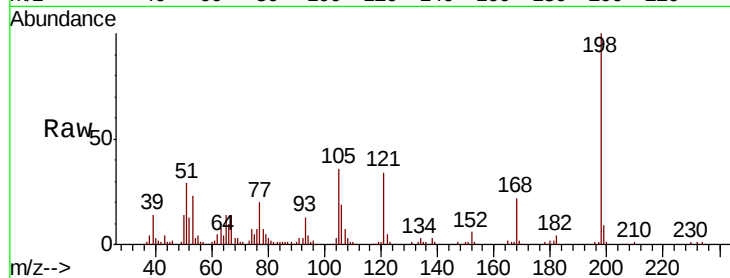




#65
4,6-Dinitro-2-methylphenol
Concen: 17.511 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

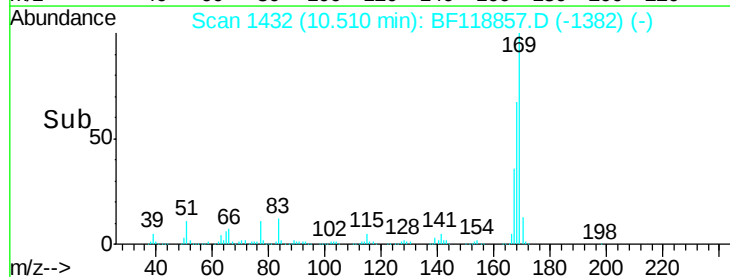
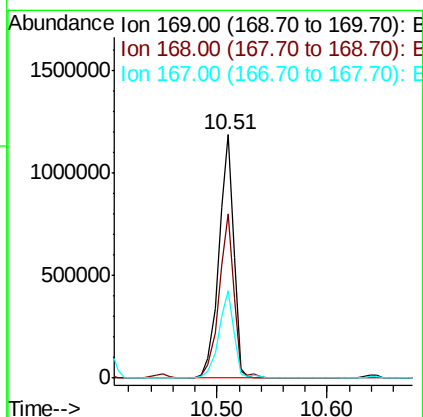
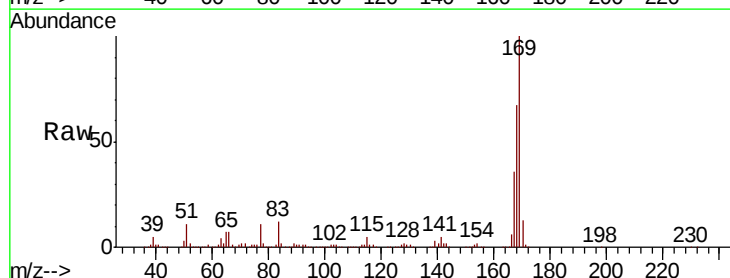
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

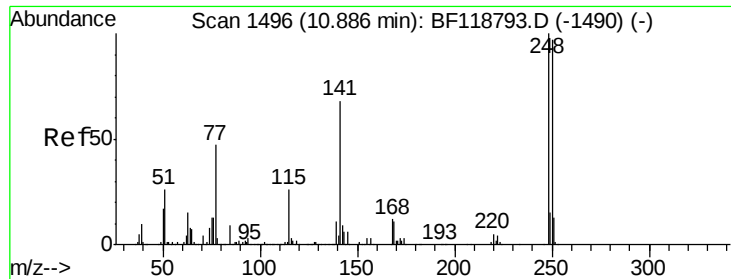
Tot Ion:198 Resp: 84004
Ion Ratio Lower Upper
198 100
51 29.1 16.7 56.7
105 35.9 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 44.585 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:169 Resp: 1102589
Ion Ratio Lower Upper
169 100
168 67.3 53.5 80.3
167 36.1 29.3 43.9

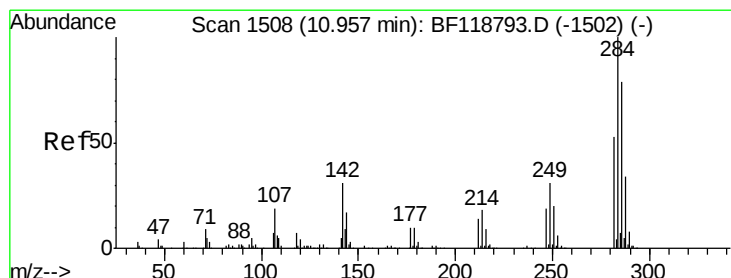
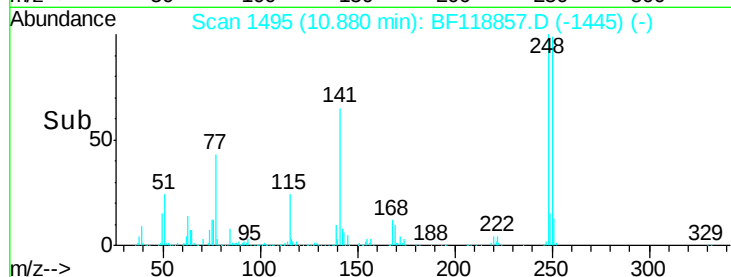
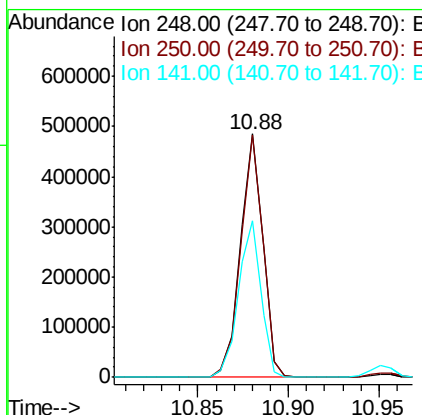
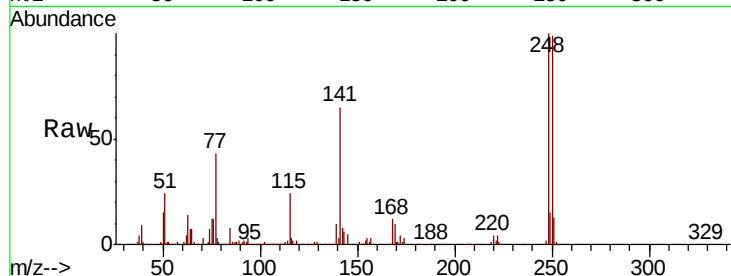




#67
4-Bromophenyl-phenylether
Concen: 41.309 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

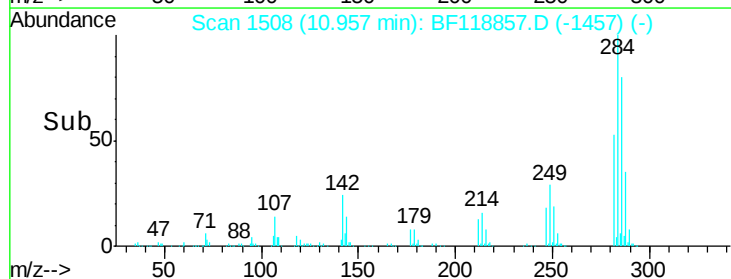
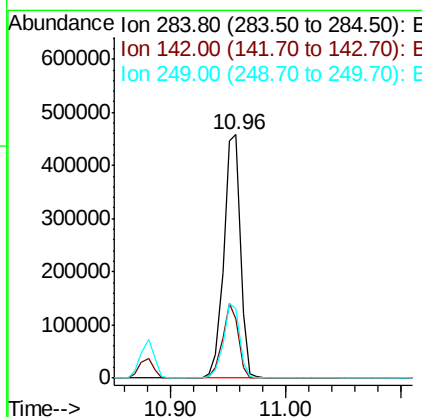
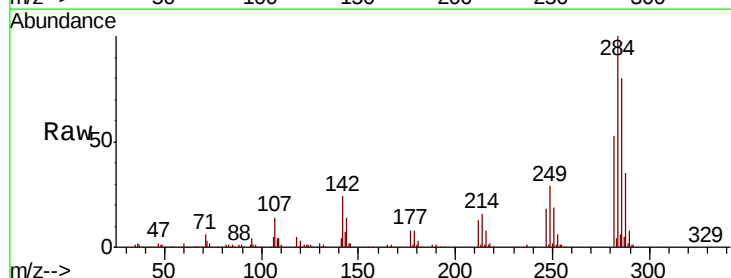
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

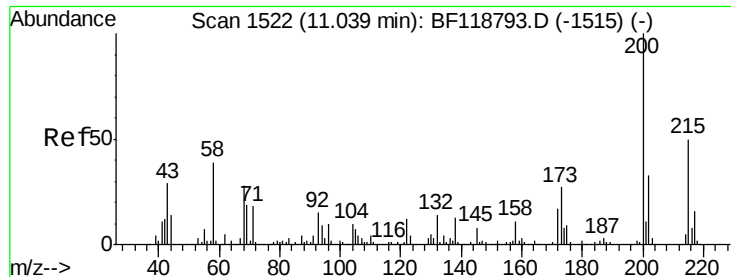
Tot Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.6	116.4
141	64.5	54.4	81.6



#68
Hexachlorobenzene
Concen: 39.390 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.3	24.5	36.7#
249	28.7	24.7	37.1

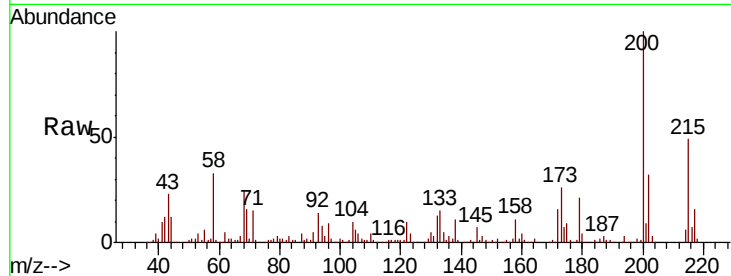




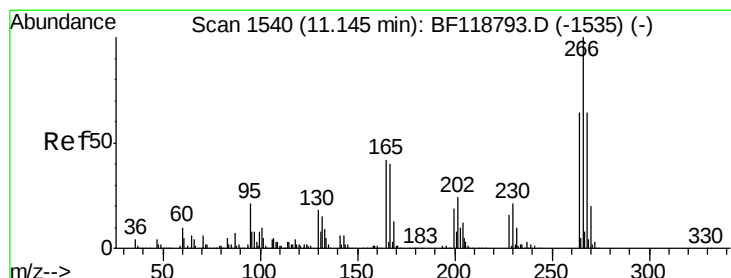
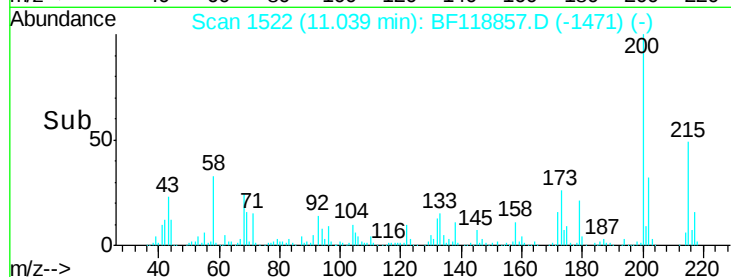
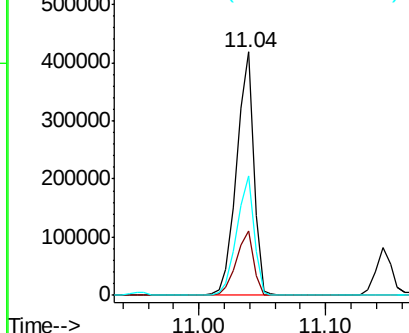
#69
 Atrazine
 Concen: 47.026 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.5	47.5
215	49.2	29.9	69.9

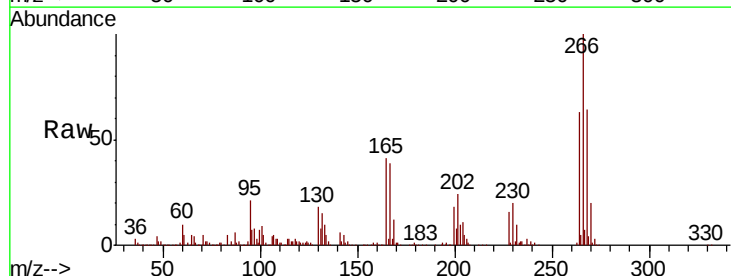


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

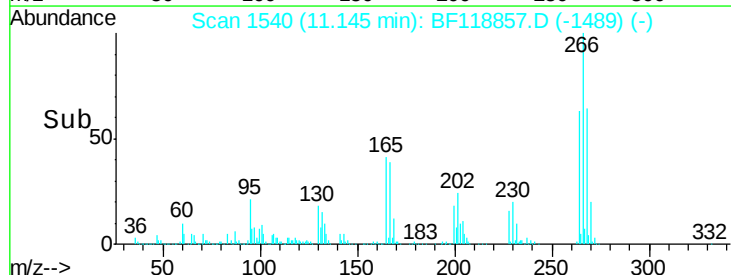
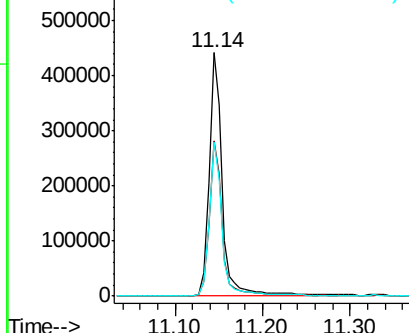


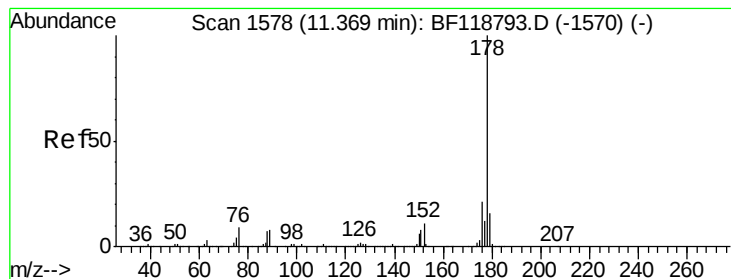
#70
 Pentachlorophenol
 Concen: 75.329 ng
 RT: 11.14 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.0	76.6
264	63.1	51.4	77.2



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: 41.363 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

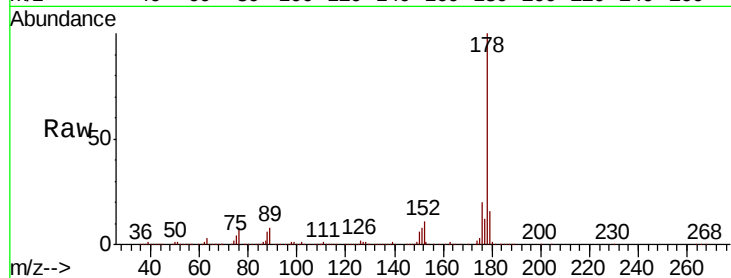
Tot Ion:178 Resp: 1737495

Ion Ratio Lower Upper

178 100

176 19.9 16.6 24.8

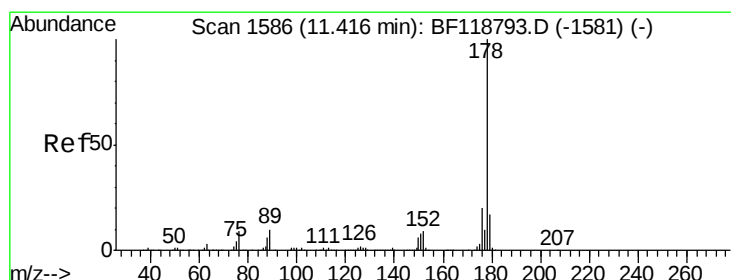
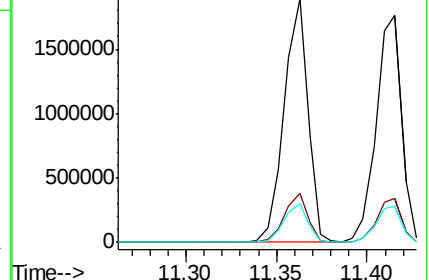
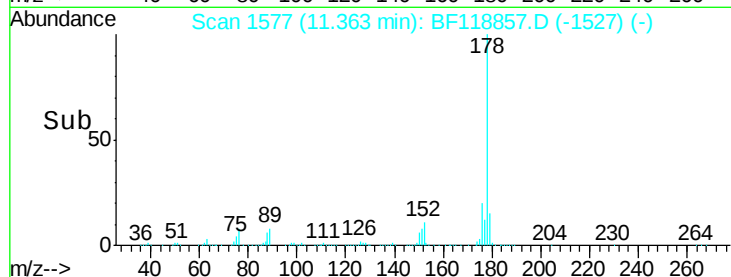
179 16.0 13.2 19.8



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: 41.385 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

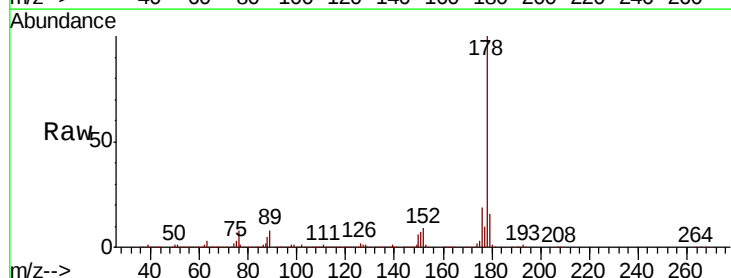
Tgt Ion:178 Resp: 1729396

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.2

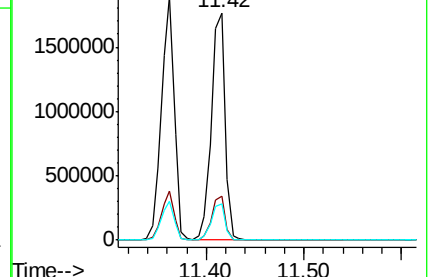
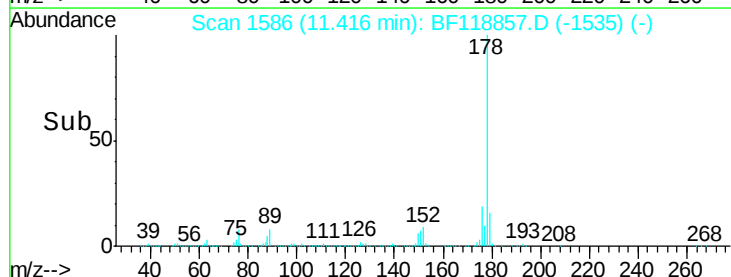
179 16.0 13.4 20.2

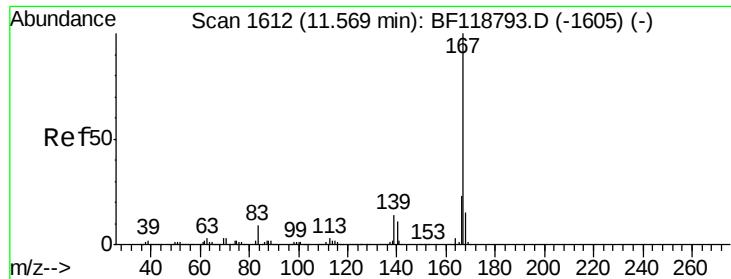


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

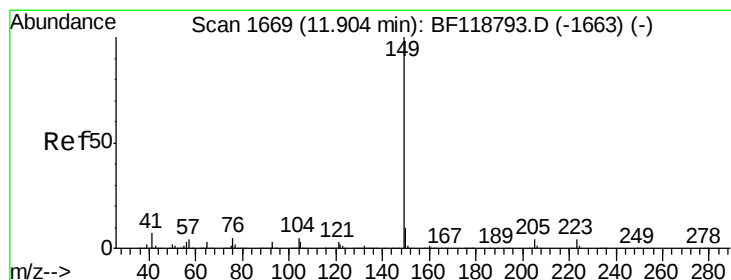
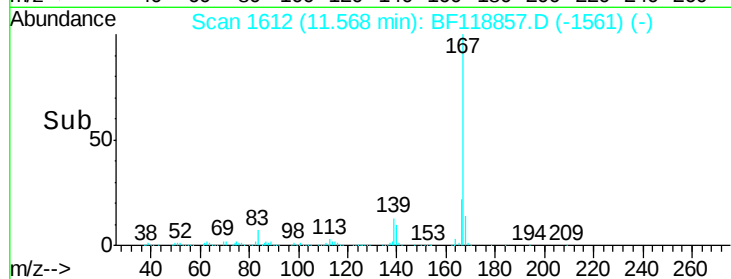
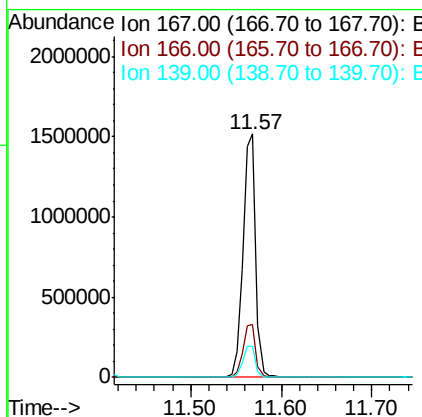
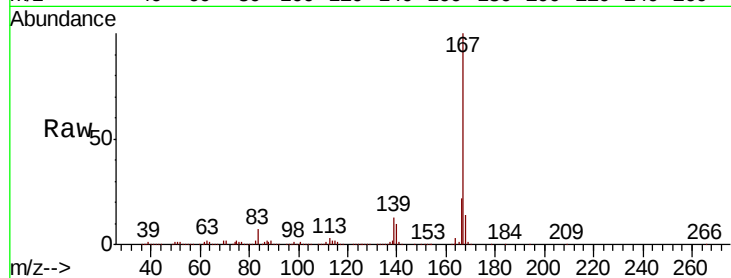




#73
 Carbazole
 Concen: 40.605 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

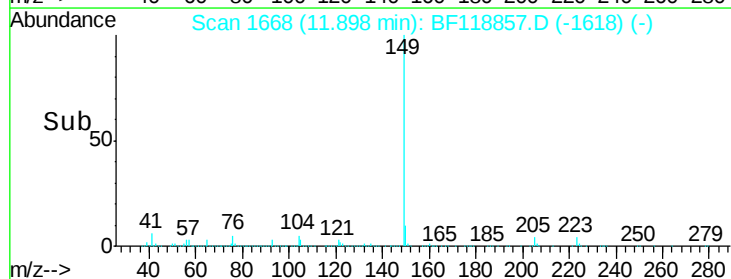
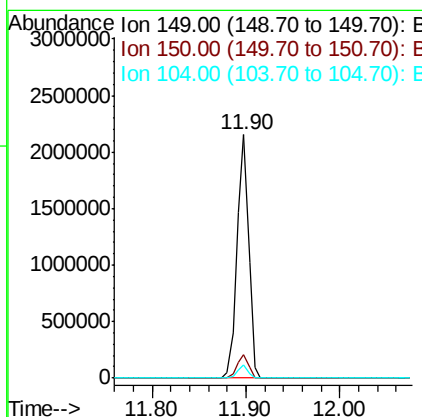
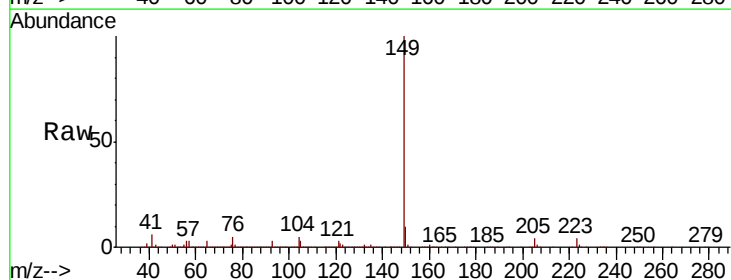
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

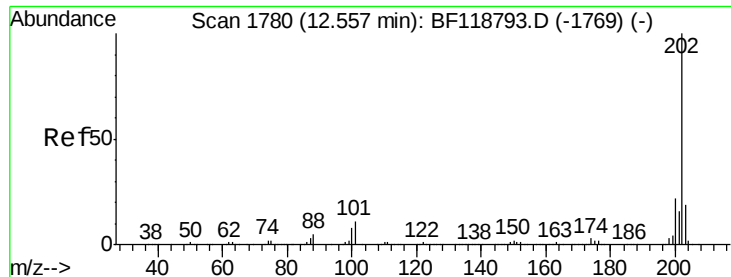
Tot Ion:167 Resp: 1489115
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.4 27.6
 139 12.5 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 39.358 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion:149 Resp: 1838707
 Ion Ratio Lower Upper
 149 100
 150 9.9 8.1 12.1
 104 5.2 4.3 6.5

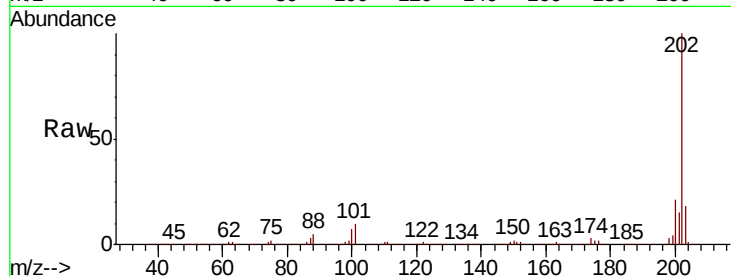




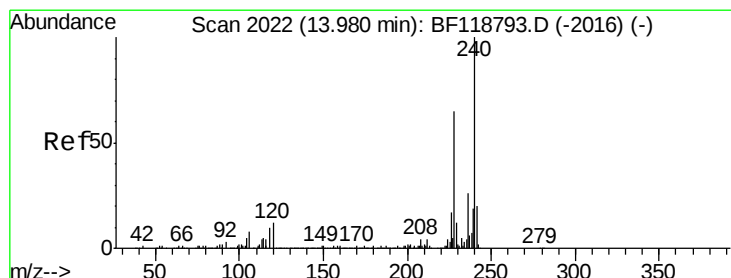
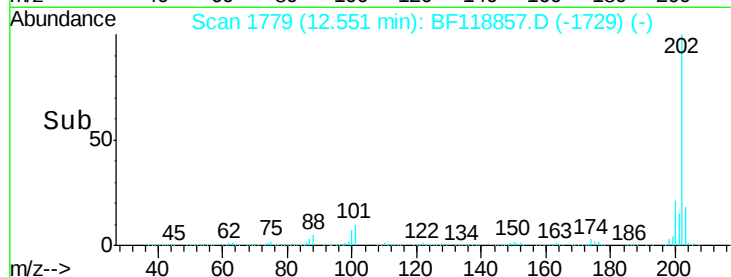
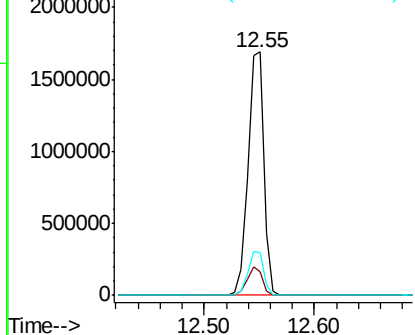
#75
 Fluoranthene
 Concen: 37.244 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-020520MSD

Tot Ion:202 Resp: 1708104
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.0
 203 17.7 0.0 38.7

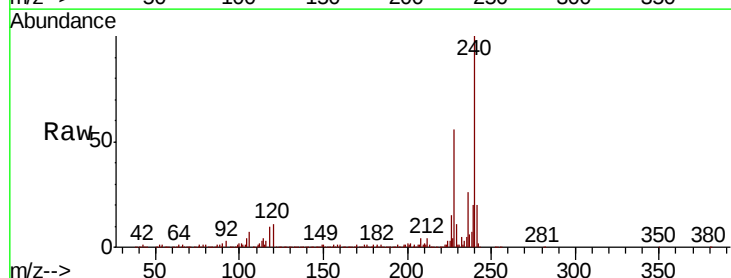


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

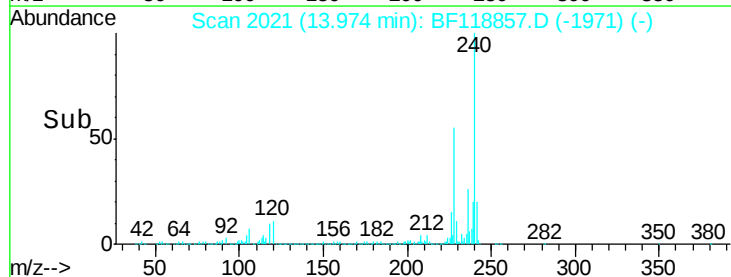
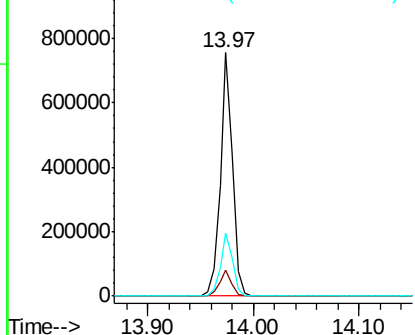


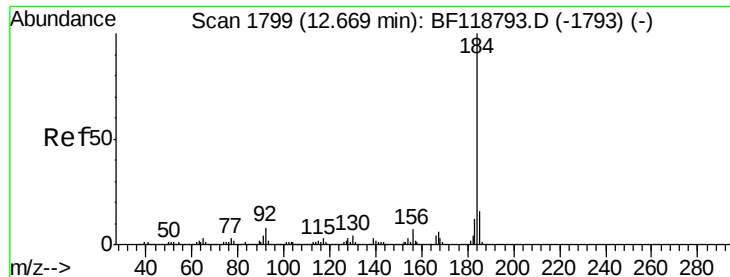
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF118857.D
 Acq: 7 Feb 2020 18:18

Tgt Ion:240 Resp: 617557
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.4 14.0
 236 25.7 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 51.017 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

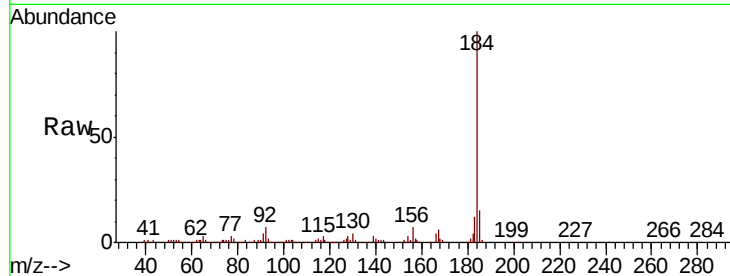
Tot Ion:184 Resp: 952926

Ion Ratio Lower Upper

184 100

185 15.0 12.5 18.7

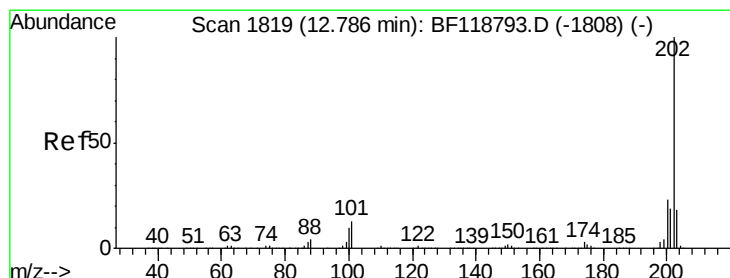
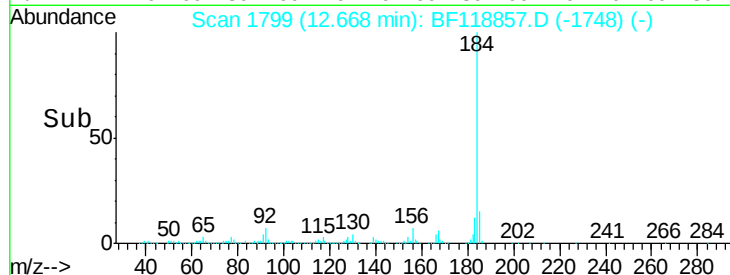
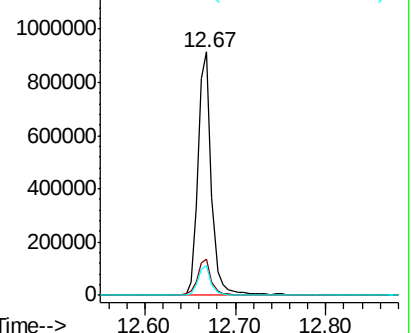
183 12.3 9.7 14.5



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: 40.067 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

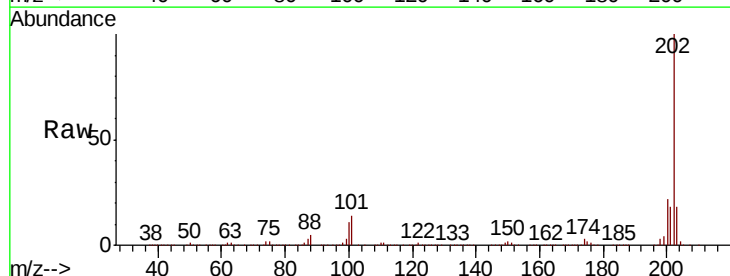
Tgt Ion:202 Resp: 1697474

Ion Ratio Lower Upper

202 100

200 21.9 18.2 27.2

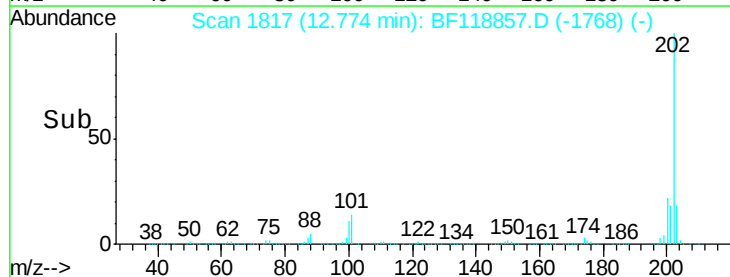
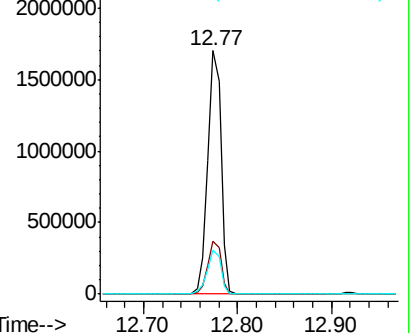
203 18.2 14.8 22.2

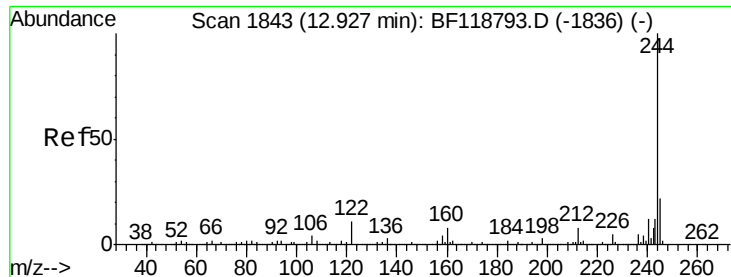


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.611 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

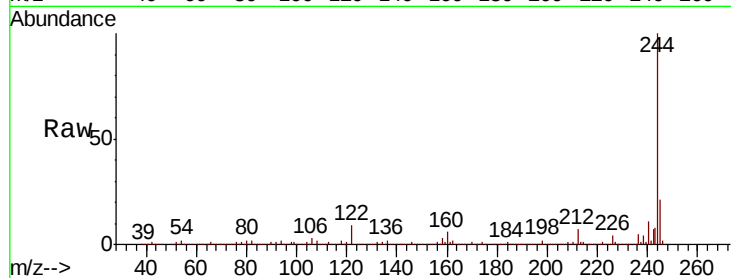
Tot Ion:244 Resp: 2453671

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

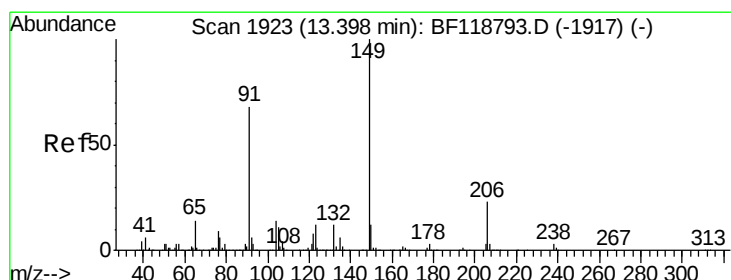
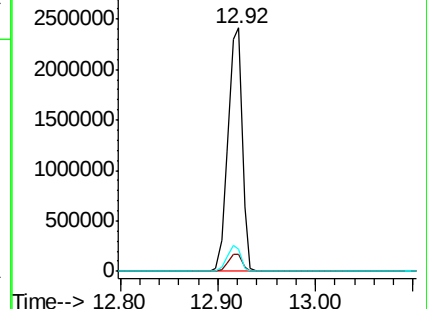
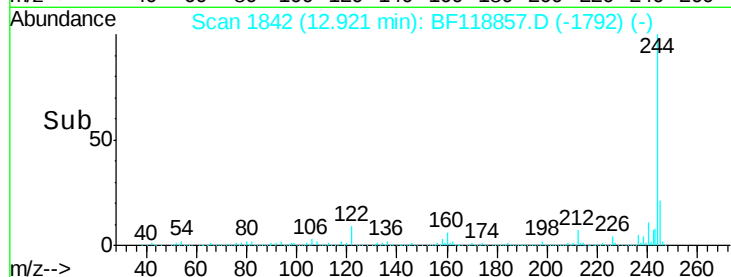
122 9.3 8.9 13.3



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: 36.731 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

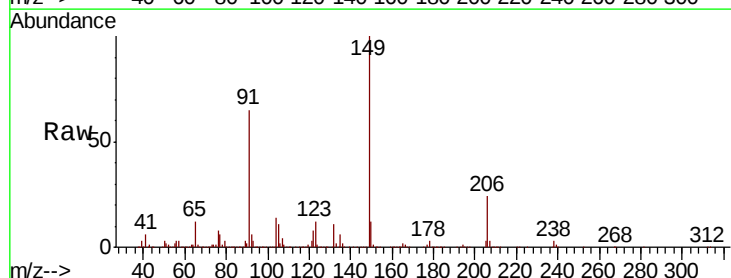
Tgt Ion:149 Resp: 710271

Ion Ratio Lower Upper

149 100

91 65.2 54.7 82.1

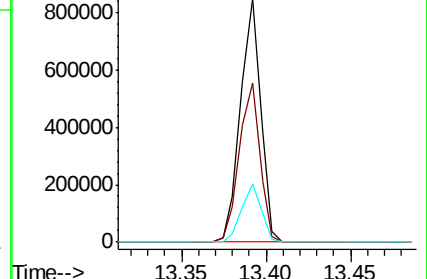
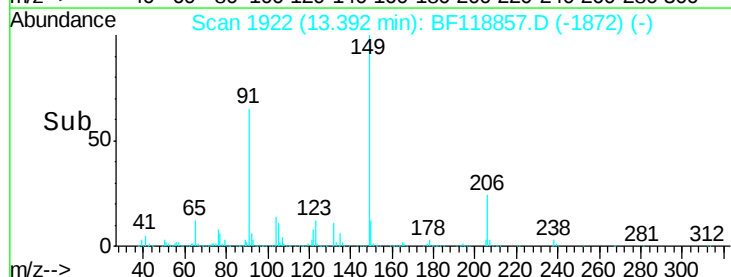
206 23.6 18.5 27.7

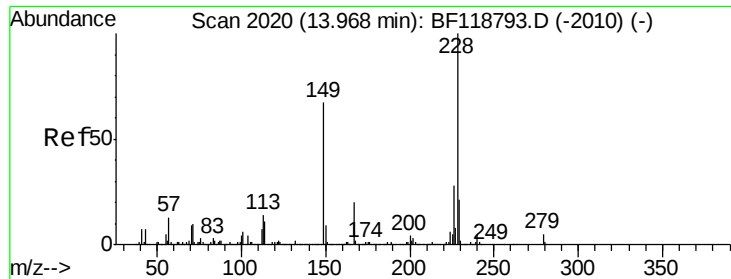


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.253 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

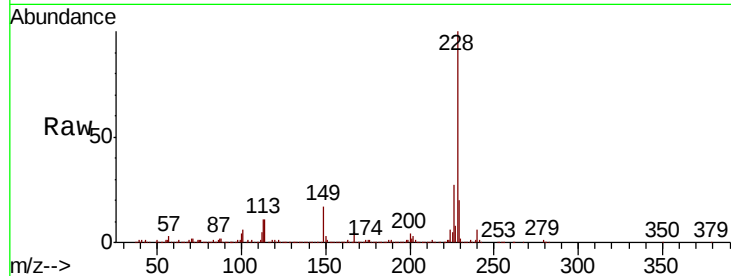
Tot Ion:228 Resp: 1589491

Ion Ratio Lower Upper

228 100

226 27.4 22.7 34.1

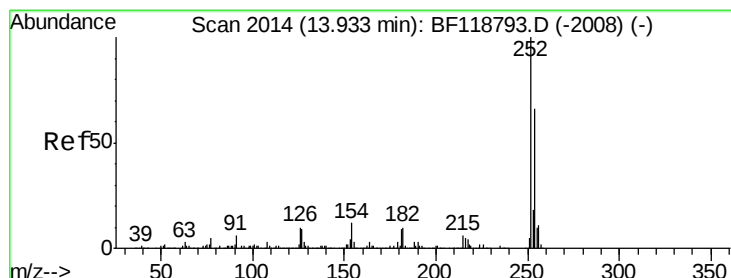
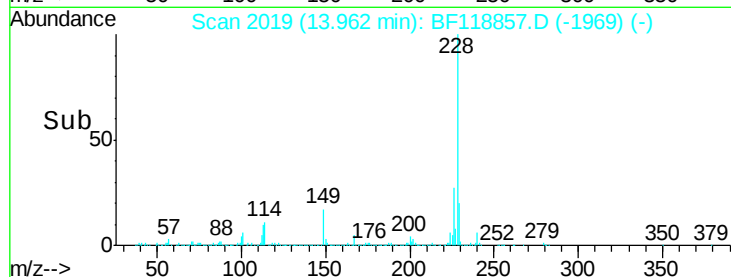
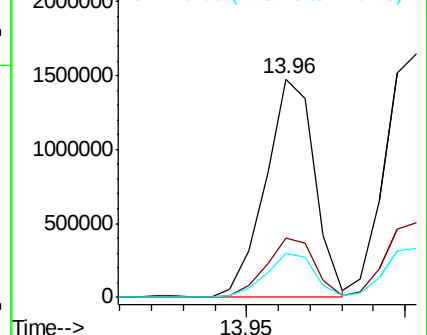
229 20.1 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 42.665 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

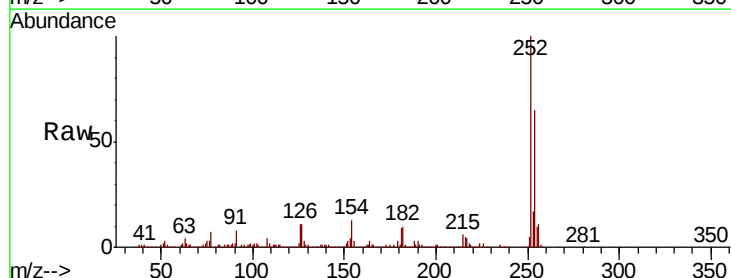
Tgt Ion:252 Resp: 641257

Ion Ratio Lower Upper

252 100

254 65.0 52.4 78.6

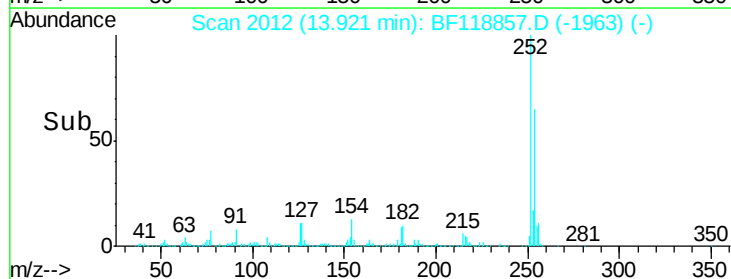
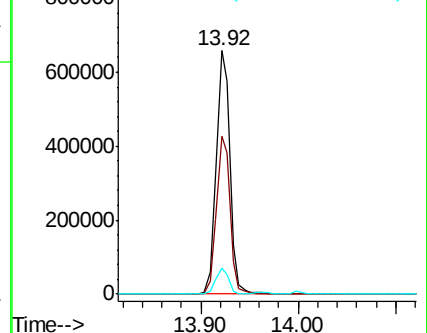
126 10.8 7.8 11.8

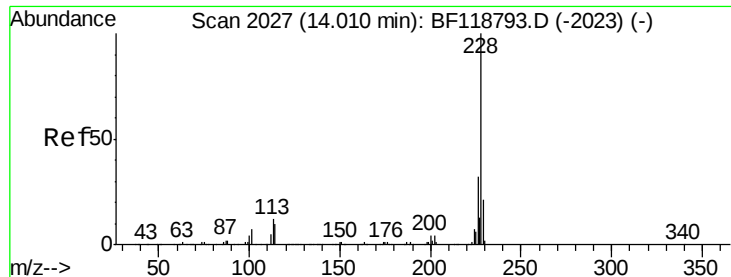


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 42.309 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

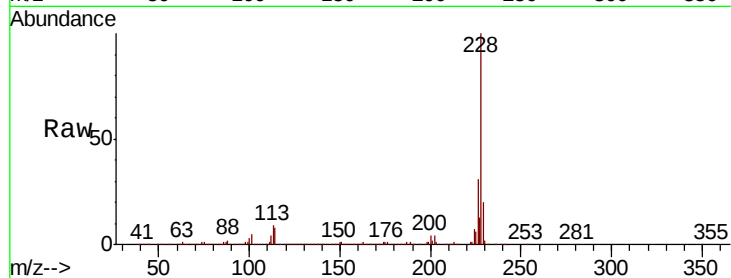
Tot Ion:228 Resp: 1560455

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

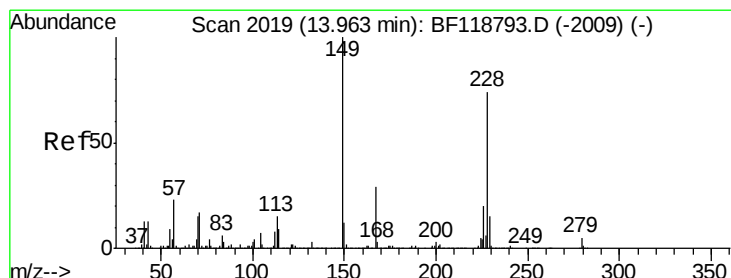
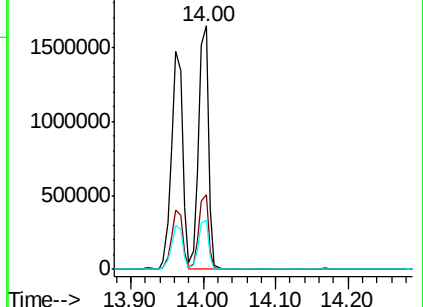
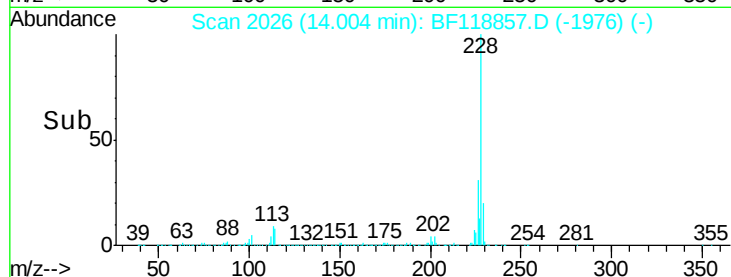
229 20.1 16.9 25.3



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: 38.201 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

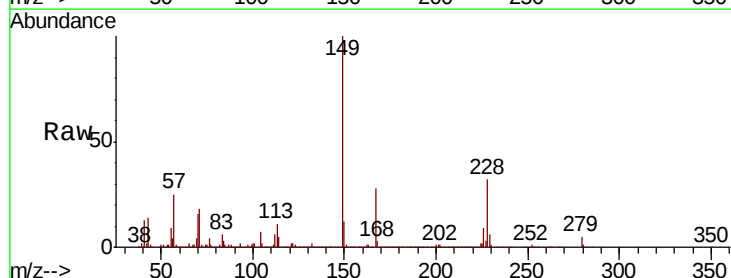
Tgt Ion:149 Resp: 937199

Ion Ratio Lower Upper

149 100

167 27.7 23.0 34.6

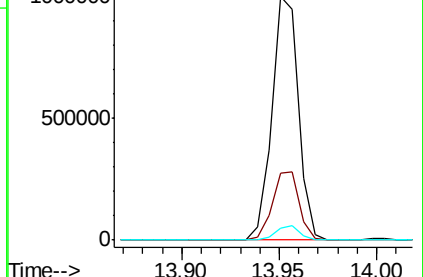
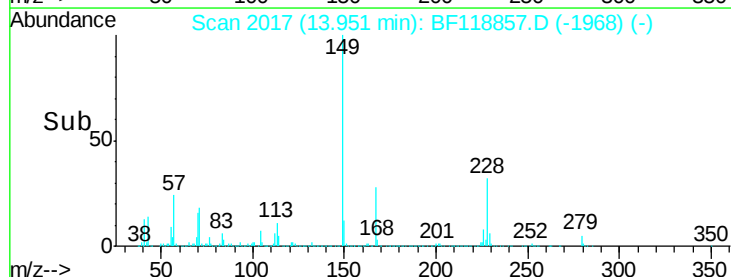
279 4.8 4.4 6.6

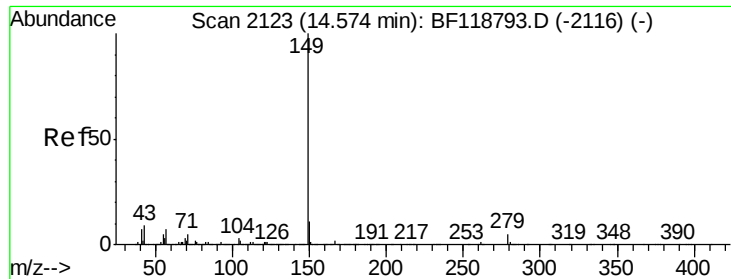


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 39.139 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

CL-01-020520MSD

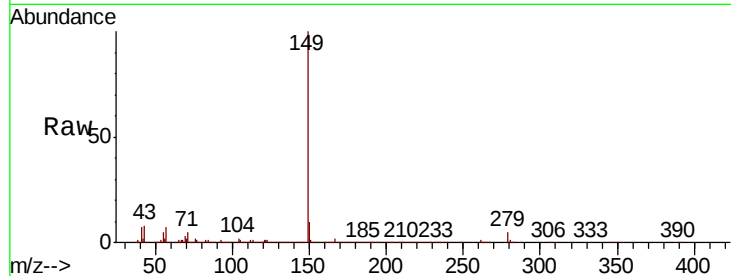
Tot Ion:149 Resp: 1644989

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

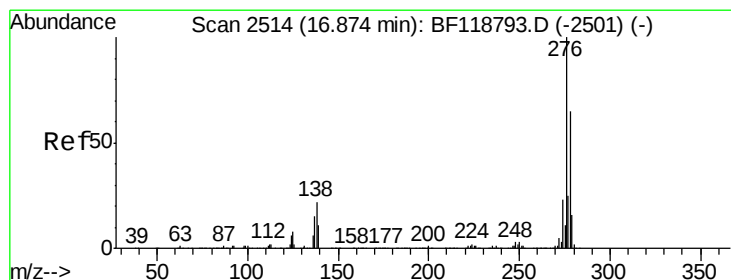
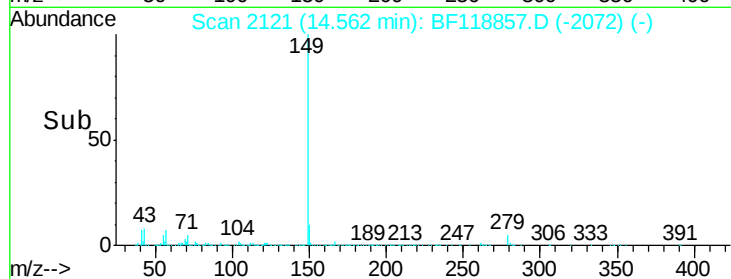
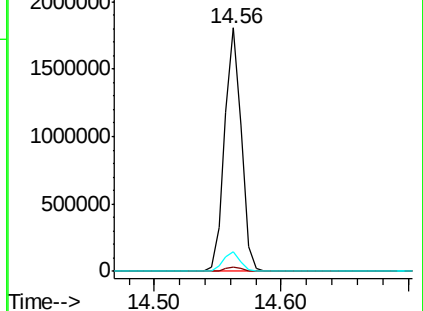
43 8.2 6.6 10.0



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: 41.623 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF118857.D

Acq: 7 Feb 2020 18:18

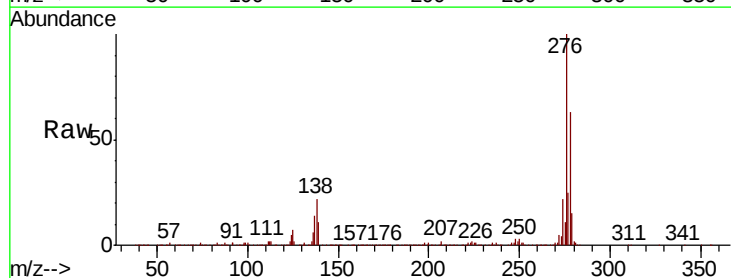
Tgt Ion:276 Resp: 1542419

Ion Ratio Lower Upper

276 100

138 23.1 18.3 27.5

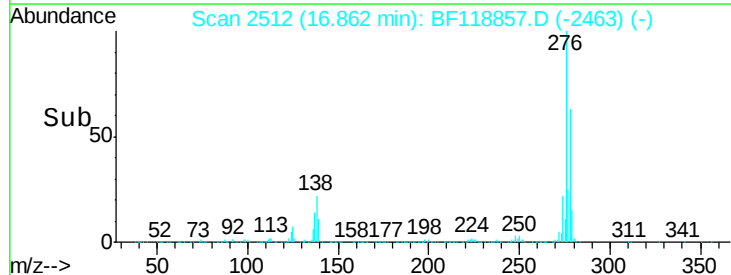
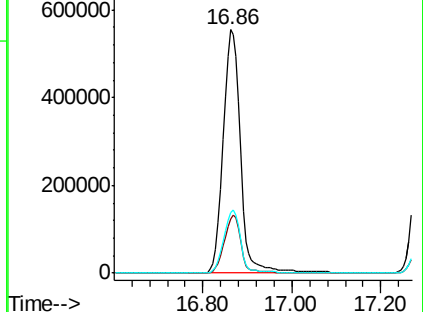
277 25.4 20.2 30.4

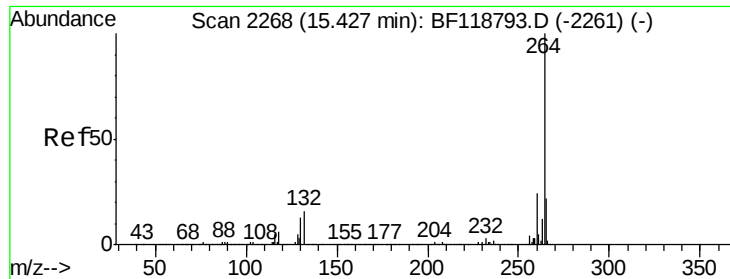


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



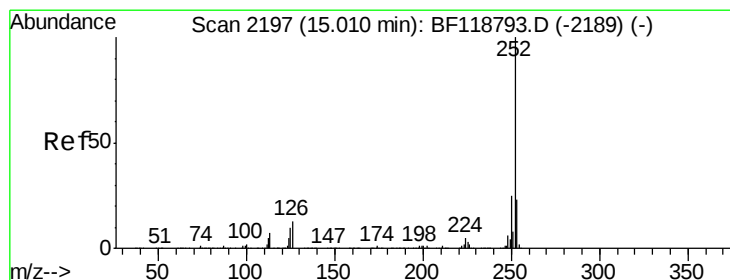
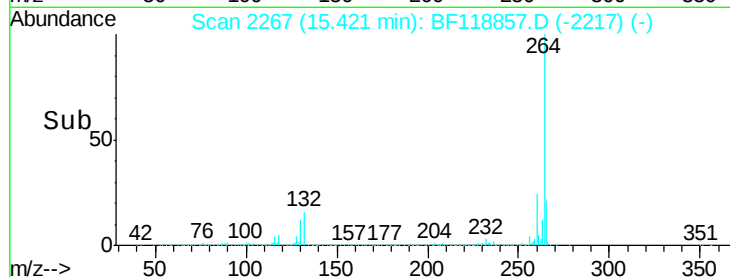
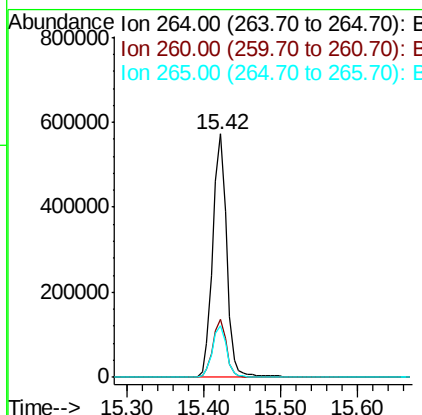
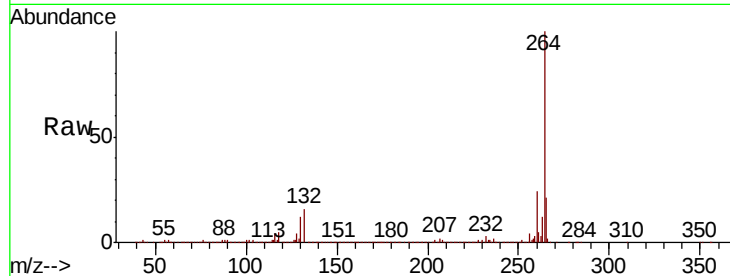


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:264 Resp: 713869

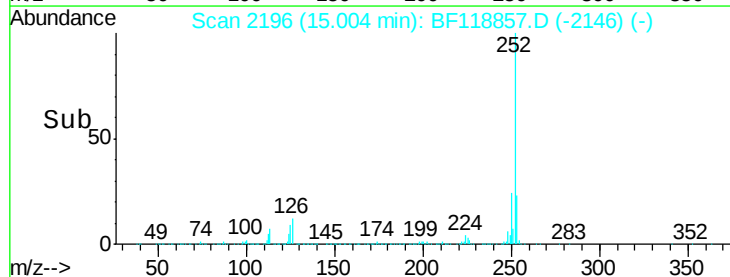
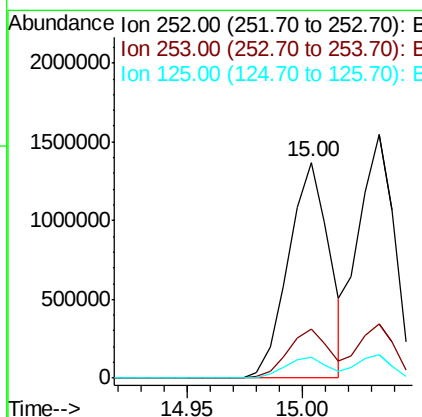
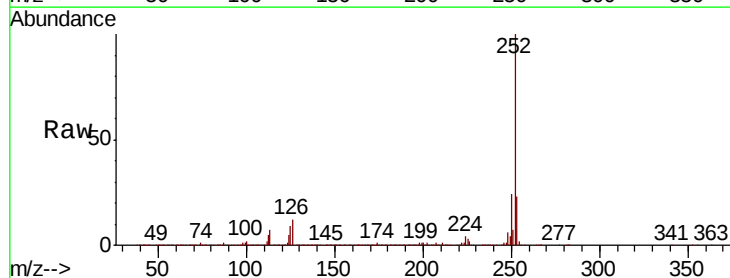
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.2	17.2	25.8

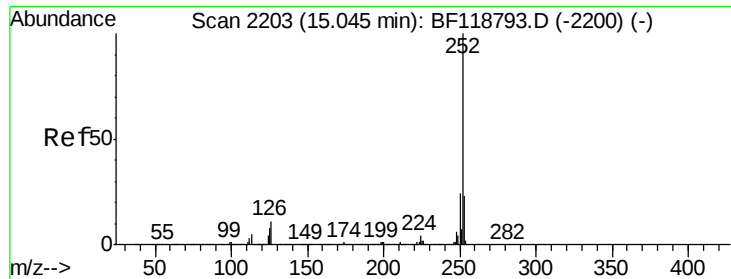


#88
Benzo(b)fluoranthene
Concen: 38.099 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:252 Resp: 1687690

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	9.4	8.1	12.1

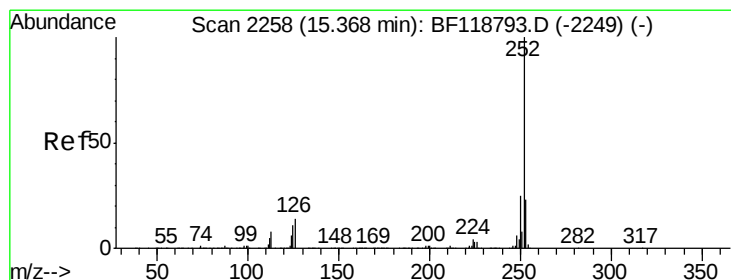
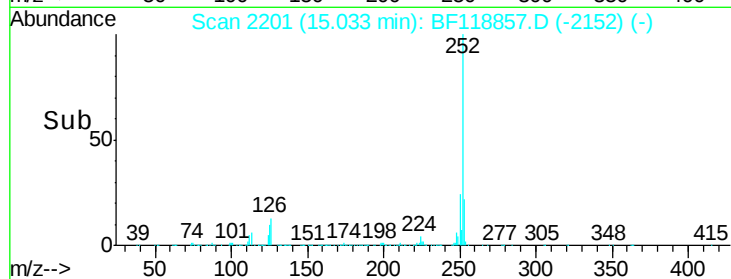
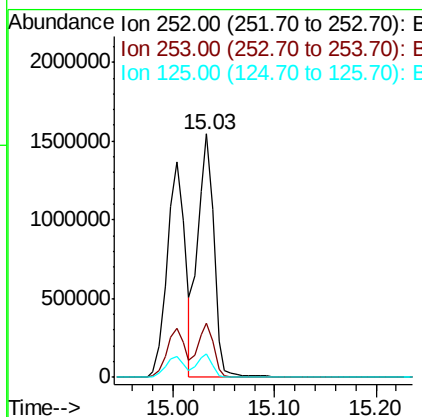
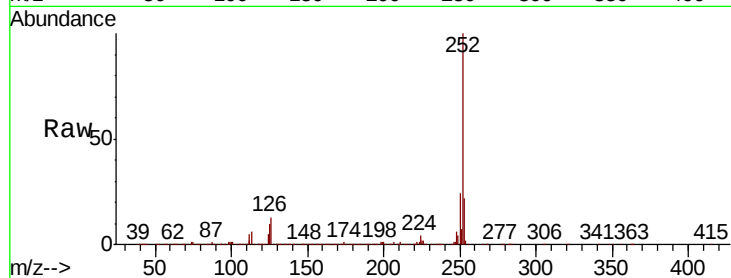




#89
Benzo(k)fluoranthene
Concen: 44.053 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

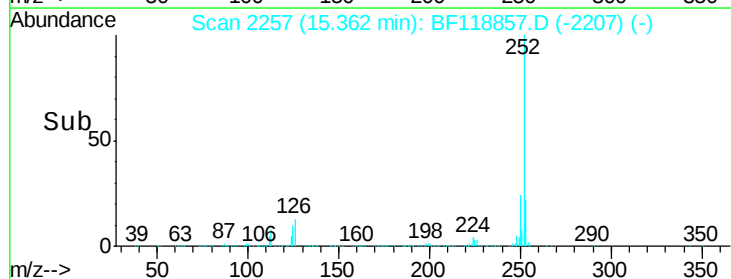
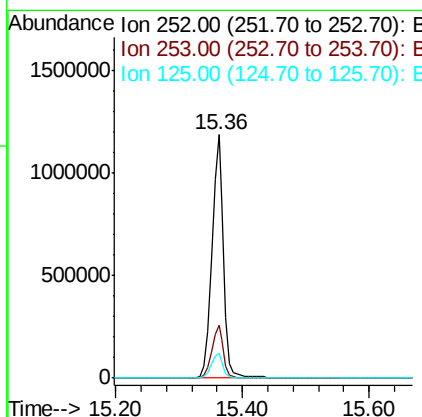
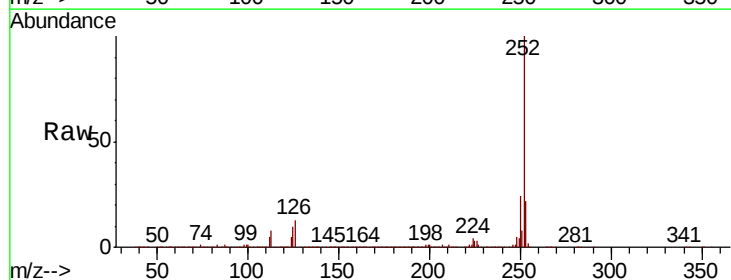
Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

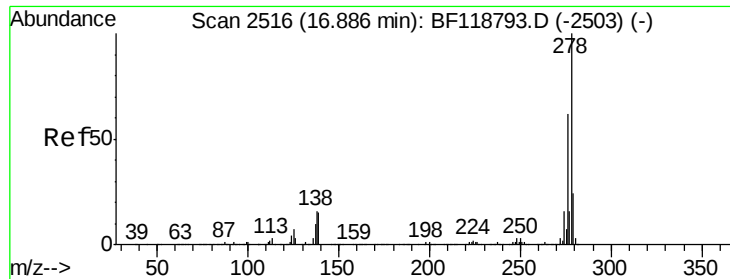
Tot Ion:252 Resp: 1699288
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 9.6 7.0 10.6



#90
Benzo(a)pyrene
Concen: 40.741 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:252 Resp: 1544468
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 10.1 8.7 13.1



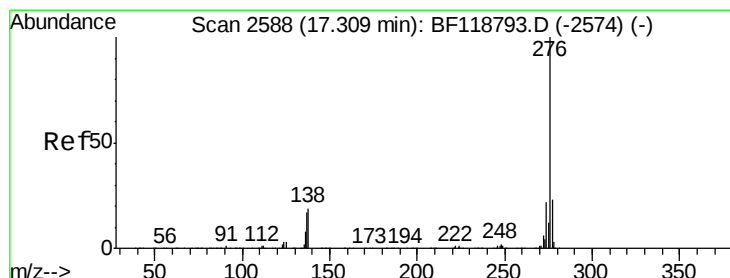
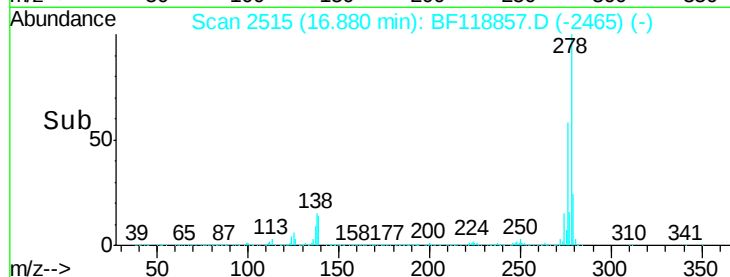
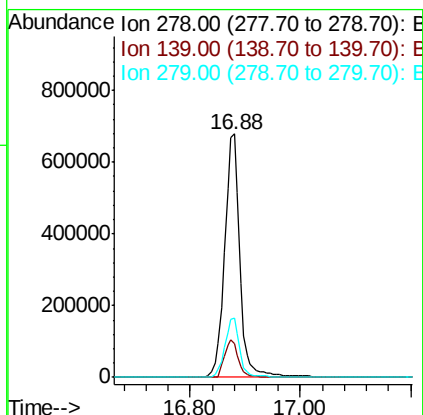
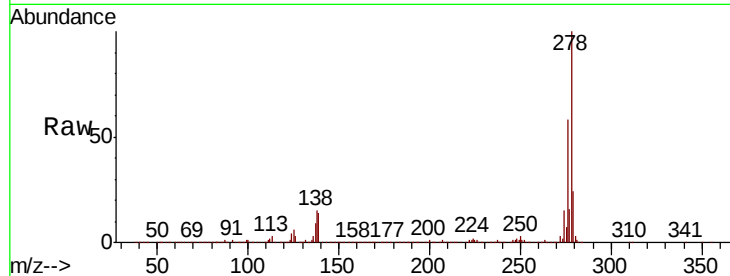


#91
Dibenzo(a,h)anthracene
Concen: 39.379 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :
CL-01-020520MSD

Tot Ion:278 Resp: 1325264

Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.3	18.5
279	24.2	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 36.549 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BF118857.D
Acq: 7 Feb 2020 18:18

Tgt Ion:276 Resp: 1182900

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	20.0	15.4	23.2

