

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118357.D
 Acq On : 28 Dec 2019 11:13
 Operator : JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 06:57:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	189131	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	730733	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	390140	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	714539	20.00	ng	0.00
76) Chrysene-d12	14.06	240	478406	20.00	ng	0.00
87) Perylene-d12	15.54	264	389205	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	827967	74.73	ng	0.01
7) Phenol-d6	6.50	99	1026577	74.69	ng	0.01
23) Nitrobenzene-d5	7.43	82	969256	75.86	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	359798	74.68	ng	0.01
45) 2-Fluorobiphenyl	9.22	172	1931609	75.58	ng	0.00
79) Terphenyl-d14	12.99	244	2159002	74.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	160992	36.551	ng	99
3) Pyridine	3.36	79	438310	37.350	ng	100
4) n-Nitrosodimethylamine	3.32	42	180167	37.134	ng	97
6) Aniline	6.52	93	651475	37.327	ng	98
8) 2-Chlorophenol	6.65	128	477278	38.034	ng	99
9) Benzaldehyde	6.41	77	280081	34.756	ng	99
10) Phenol	6.51	94	571834	37.015	ng	87
11) bis(2-Chloroethyl)ether	6.59	93	422842	38.272	ng	100
12) 1,3-Dichlorobenzene	6.80	146	544515	37.677	ng	97
13) 1,4-Dichlorobenzene	6.87	146	548389	37.358	ng	97
14) 1,2-Dichlorobenzene	7.03	146	520407	37.550	ng	99
15) Benzyl Alcohol	7.00	79	398097	38.040	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	460092	39.026	ng	94
17) 2-Methylphenol	7.12	107	381305	37.885	ng	99
18) Hexachloroethane	7.37	117	203004	37.680	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	318464	37.611	ng	98
20) 3+4-Methylphenols	7.27	107	484143	37.584	ng	96
22) Acetophenone	7.27	105	674534	37.664	ng	# 93
24) Nitrobenzene	7.45	77	478928	37.421	ng	97
25) Isophorone	7.69	82	842604	37.842	ng	99
26) 2-Nitrophenol	7.76	139	266998	39.387	ng	98
27) 2,4-Dimethylphenol	7.80	122	345758	37.383	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	564428	38.760	ng	100
29) 2,4-Dichlorophenol	8.00	162	405705	38.110	ng	99
30) 1,2,4-Trichlorobenzene	8.09	180	472124	38.072	ng	99
31) Naphthalene	8.17	128	1407213	37.889	ng	100
32) Benzoic acid	7.95	122	222446	30.790	ng	92
33) 4-Chloroaniline	8.22	127	604389	37.959	ng	99
34) Hexachlorobutadiene	8.28	225	283482	38.403	ng	99
35) Caprolactam	8.61	113	124528	37.468	ng	94
36) 4-Chloro-3-methylphenol	8.70	107	430922	37.702	ng	96
37) 2-Methylnaphthalene	8.86	142	960453	37.770	ng	100
38) 1-Methylnaphthalene	8.96	142	904843	37.769	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	447200	38.150	ng	100

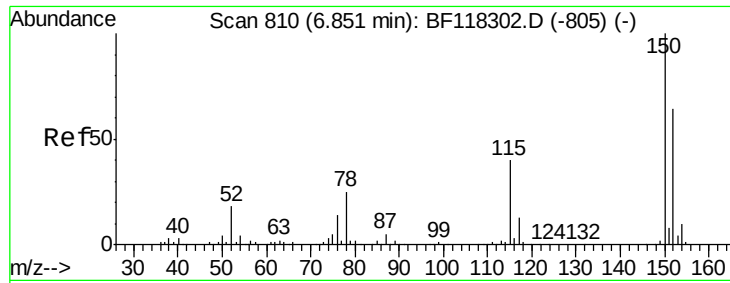
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
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 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	184057	42.114	ng	99
43) 2,4,6-Trichlorophenol	9.15	196	297286	37.962	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	300288	37.275	ng	98
46) 1,1'-Biphenyl	9.33	154	1178412	38.188	ng	100
47) 2-Chloronaphthalene	9.35	162	946677	38.118	ng	99
48) 2-Nitroaniline	9.45	65	268919	38.335	ng	97
49) Acenaphthylene	9.77	152	1377084	37.387	ng	98
50) Dimethylphthalate	9.63	163	1106494	37.783	ng	99
51) 2,6-Dinitrotoluene	9.70	165	240527	38.096	ng	88
52) Acenaphthene	9.95	154	847254	37.764	ng	98
53) 3-Nitroaniline	9.87	138	276785	37.351	ng	90
54) 2,4-Dinitrophenol	9.98	184	98449	34.106	ng	96
55) Dibenzofuran	10.12	168	1230387	37.115	ng	98
56) 4-Nitrophenol	10.04	139	150423	32.881	ng	93
57) 2,4-Dinitrotoluene	10.10	165	316916	37.565	ng	87
58) Fluorene	10.46	166	995945	37.216	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.24	232	248039	36.237	ng	97
60) Diethylphthalate	10.33	149	1091549	37.676	ng	100
61) 4-Chlorophenyl-phenylether	10.45	204	502412	37.608	ng	99
62) 4-Nitroaniline	10.49	138	288887	37.526	ng	98
63) Azobenzene	10.61	77	924169	37.241	ng	99
65) 4,6-Dinitro-2-methylphenol	10.52	198	146799	38.083	ng	96
66) n-Nitrosodiphenylamine	10.57	169	873331	38.135	ng	99
67) 4-Bromophenyl-phenylether	10.94	248	317642	37.986	ng	98
68) Hexachlorobenzene	11.02	284	374836	38.082	ng	# 90
69) Atrazine	11.10	200	275884	39.033	ng	99
70) Pentachlorophenol	11.21	266	136446	32.008	ng	100
71) Phenanthrene	11.43	178	1448735	37.192	ng	100
72) Anthracene	11.48	178	1462294	37.505	ng	99
73) Carbazole	11.63	167	1303765	37.684	ng	99
74) Di-n-butylphthalate	11.96	149	1707584	38.926	ng	100
75) Fluoranthene	12.62	202	1461212	37.170	ng	97
77) Benzidine	12.74	184	579050	44.173	ng	99
78) Pyrene	12.85	202	1473079	37.706	ng	99
80) Butylbenzylphthalate	13.46	149	713821	40.580	ng	99
81) Benzo(a)anthracene	14.04	228	1270390	37.937	ng	98
82) 3,3'-Dichlorobenzidine	14.00	252	443978	39.103	ng	99
83) Chrysene	14.09	228	1181273	36.840	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	957480	41.396	ng	100
85) Di-n-octyl phthalate	14.63	149	1384000	40.678	ng	100
86) Indeno(1,2,3-cd)pyrene	17.07	276	893036	32.687	ng	99
88) Benzo(b)fluoranthene	15.11	252	979810	37.925	ng	99
89) Benzo(k)fluoranthene	15.14	252	992922	40.027	ng	98
90) Benzo(a)pyrene	15.49	252	868646	38.167	ng	99
91) Dibenzo(a,h)anthracene	17.07	278	737929	37.364	ng	99
92) Benzo(g,h,i)perylene	17.52	276	693811	36.367	ng	99

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

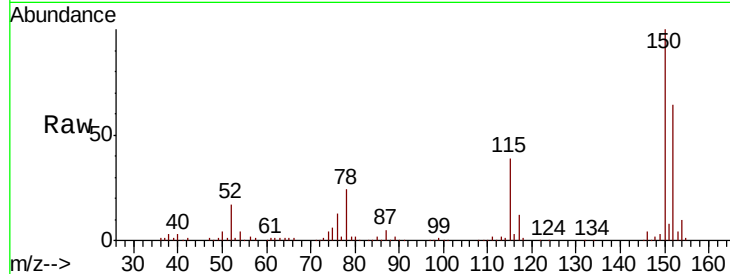


#1

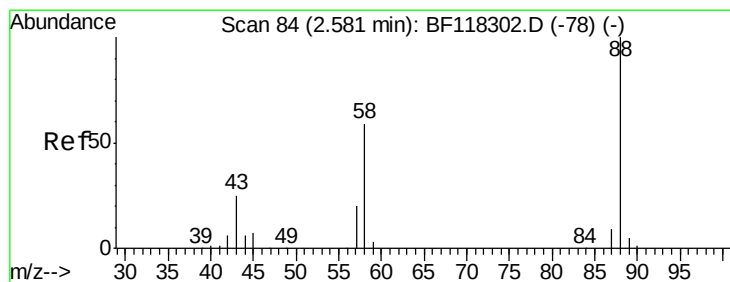
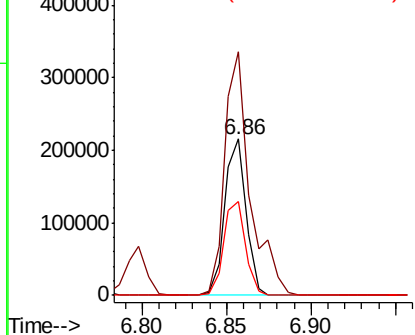
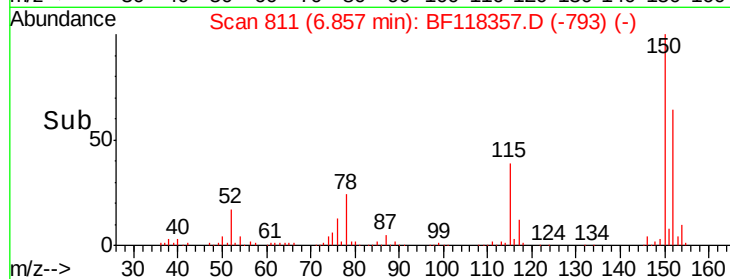
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 189131
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 60.3 50.2 75.4



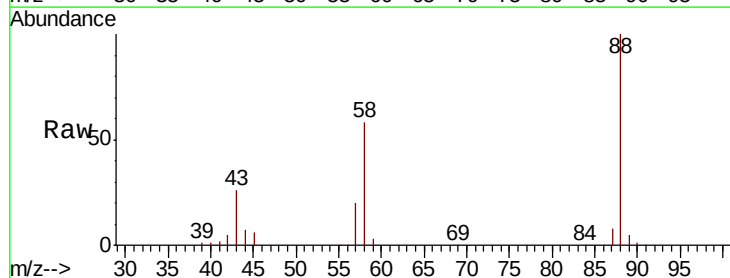
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



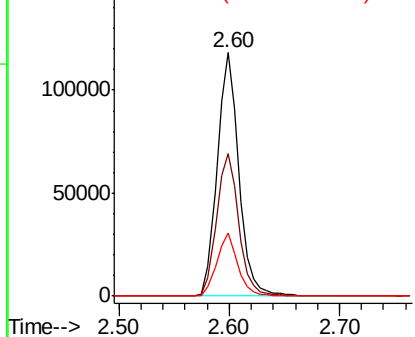
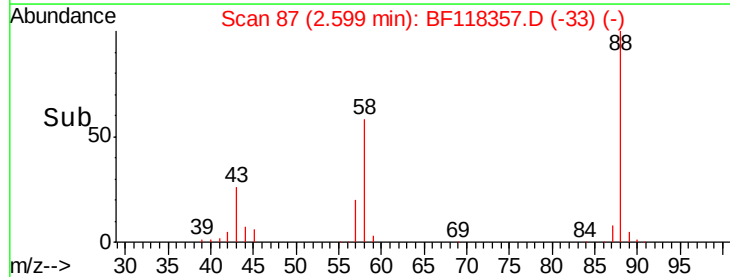
#2

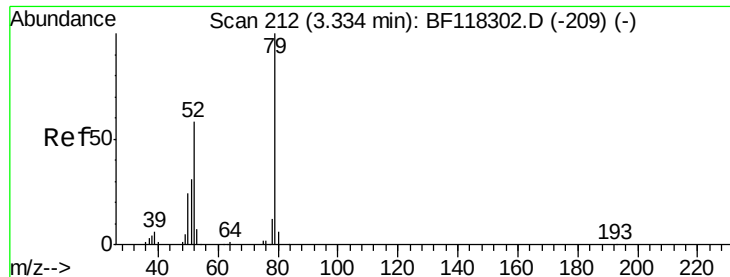
1,4-Dioxane
Concen: 36.551 ng
RT: 2.60 min Scan# 87
Delta R.T. 0.02 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion: 88 Resp: 160992
Ion Ratio Lower Upper
88 100
58 59.7 47.6 71.4
43 24.6 20.6 30.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 37.350 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.02 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

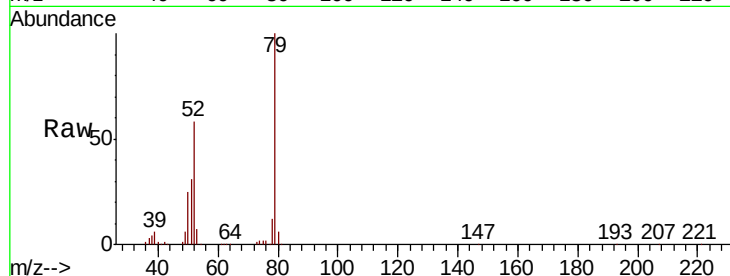
Tot Ion: 79 Resp: 438310

Ion Ratio Lower Upper

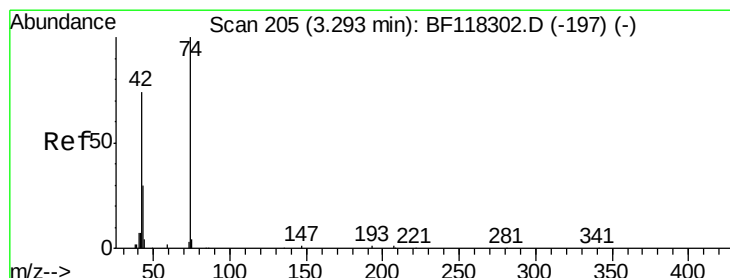
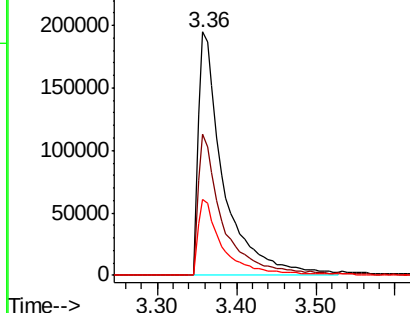
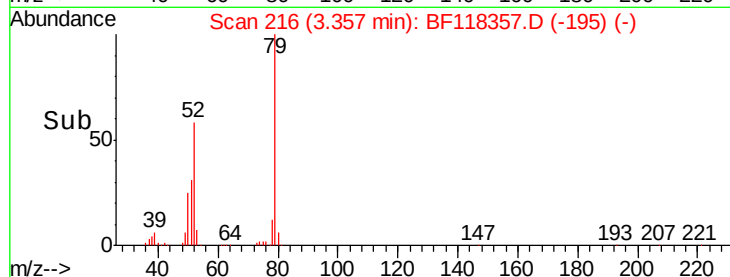
79 100

52 58.1 46.4 69.6

51 31.0 24.9 37.3



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



#4

n-Nitrosodimethylamine

Concen: 37.134 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.03 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

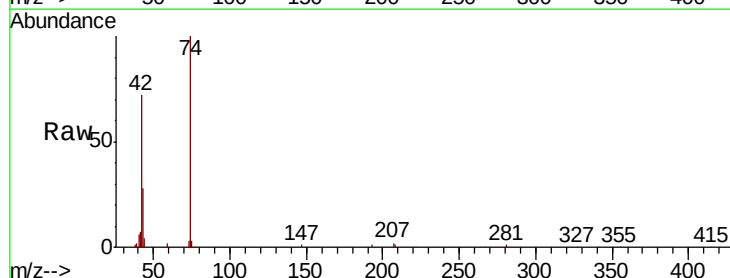
Tgt Ion: 42 Resp: 180167

Ion Ratio Lower Upper

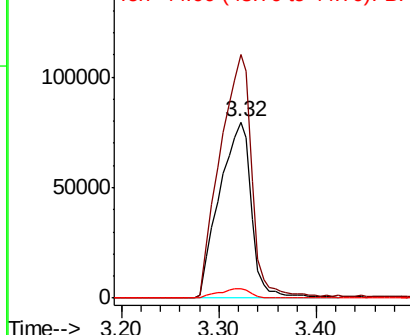
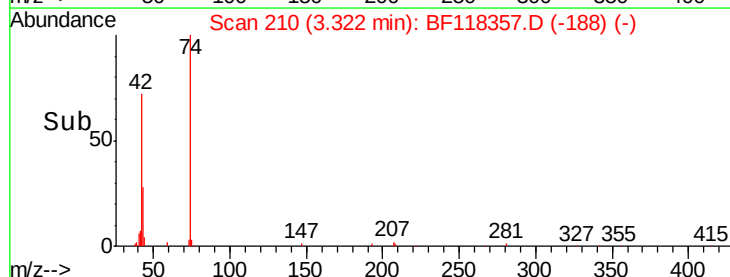
42 100

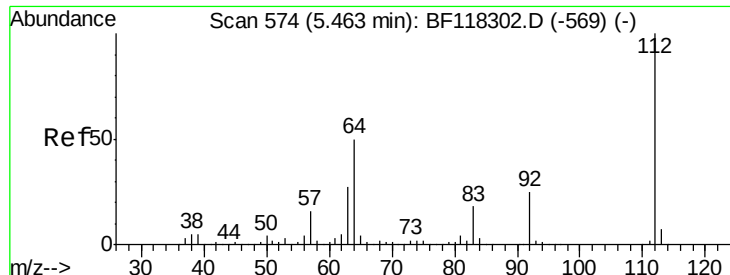
74 138.4 107.7 161.5

44 5.2 4.8 7.2



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

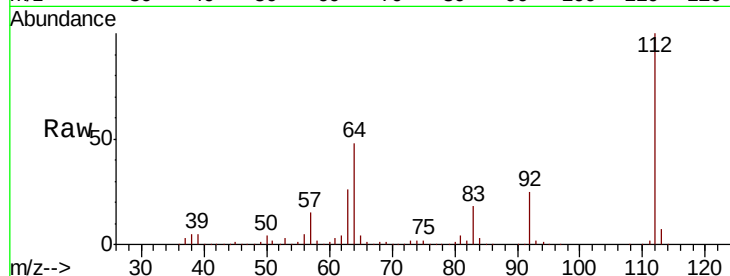




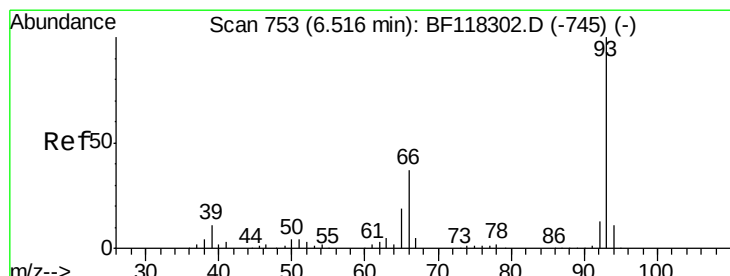
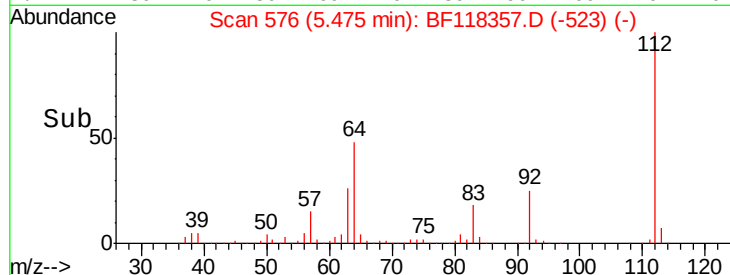
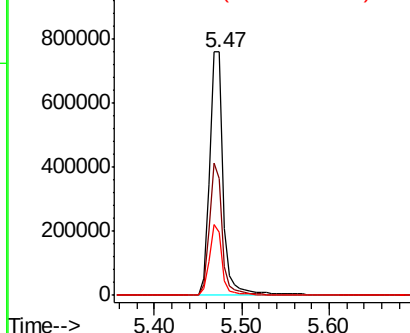
#5
2-Fluorophenol
Concen: 74.728 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:112 Resp: 827967
Ion Ratio Lower Upper
112 100
64 48.3 39.7 59.5
63 25.8 21.7 32.5

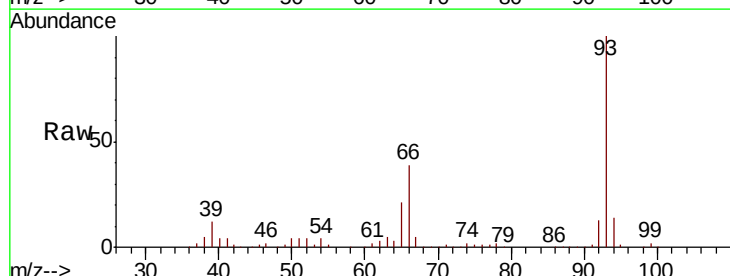


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

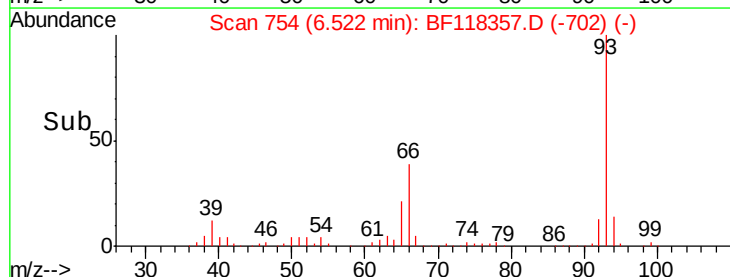
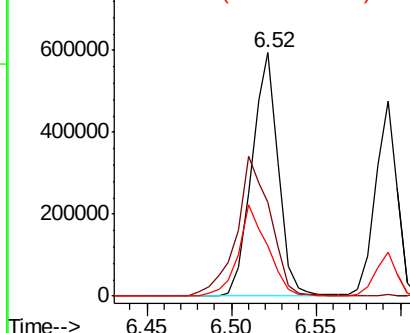


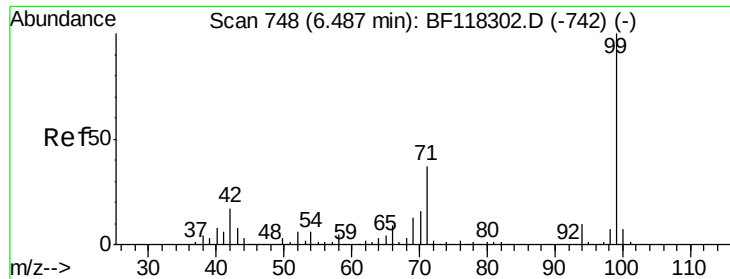
#6
Aniline
Concen: 37.327 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion: 93 Resp: 651475
Ion Ratio Lower Upper
93 100
66 38.7 30.2 45.4
65 20.8 15.7 23.5



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 74.689 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

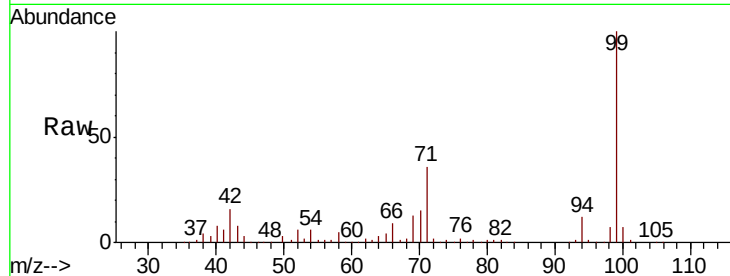
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1026577

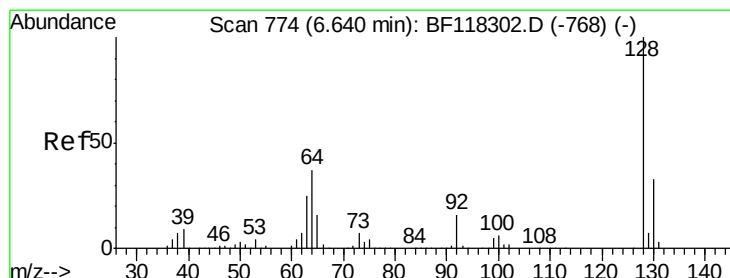
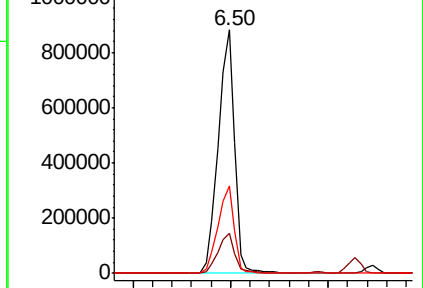
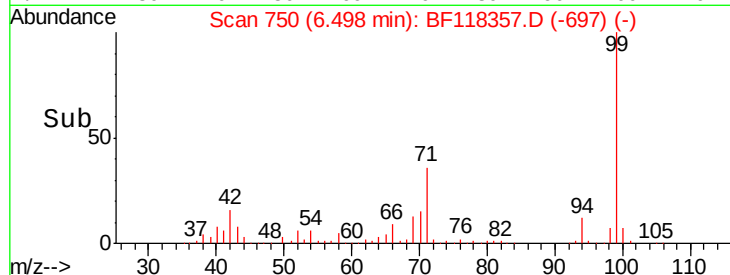
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	35.8	29.4	44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.034 ng

RT: 6.65 min Scan# 775

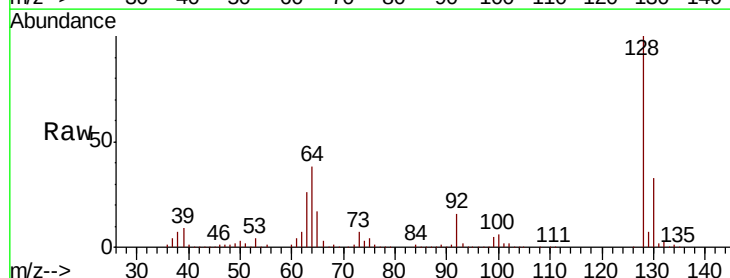
Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Tgt Ion: 128 Resp: 477278

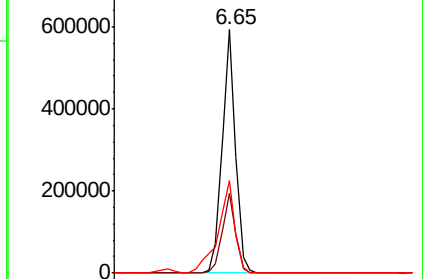
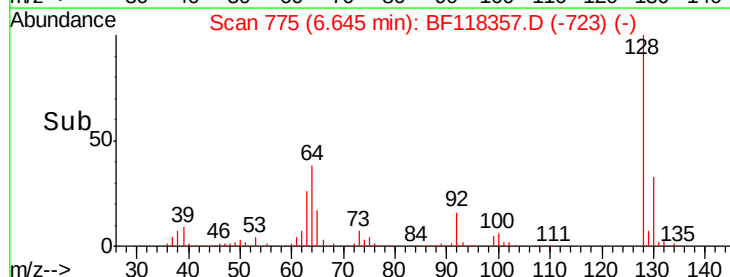
Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.2	53.2
64	38.2	17.7	57.7

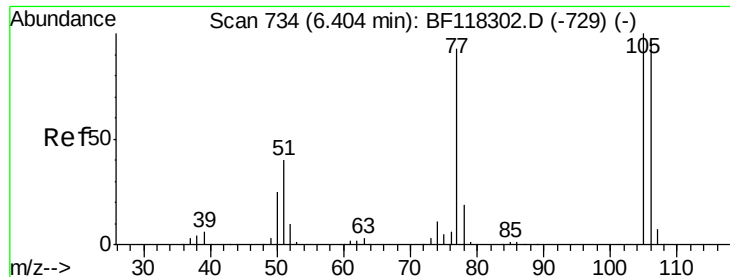


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 34.756 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

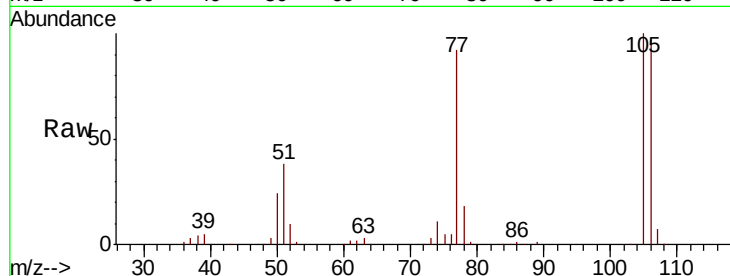
Tot Ion: 77 Resp: 280081

Ion Ratio Lower Upper

77 100

105 108.3 87.5 127.5

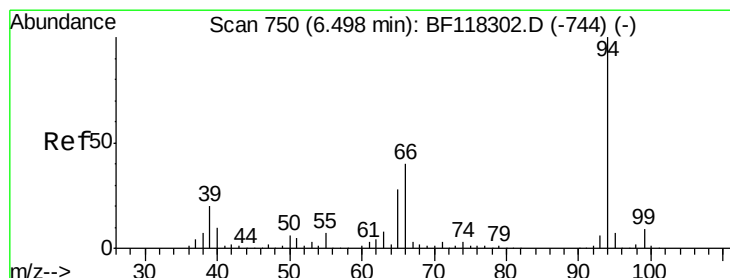
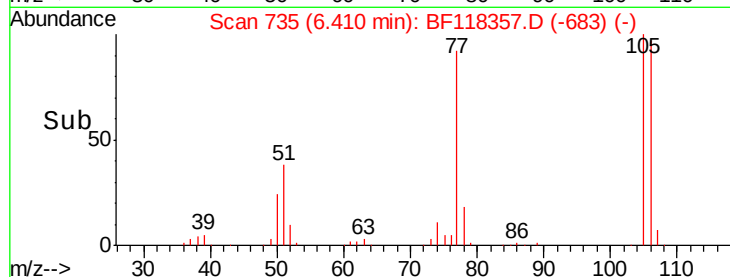
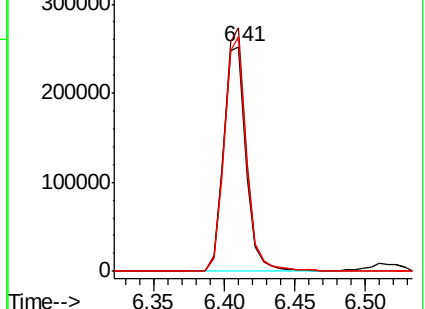
106 104.6 83.6 123.6



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.015 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

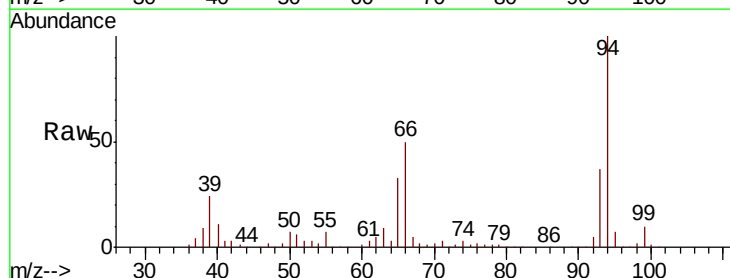
Tgt Ion: 94 Resp: 571834

Ion Ratio Lower Upper

94 100

65 32.9 7.8 47.8

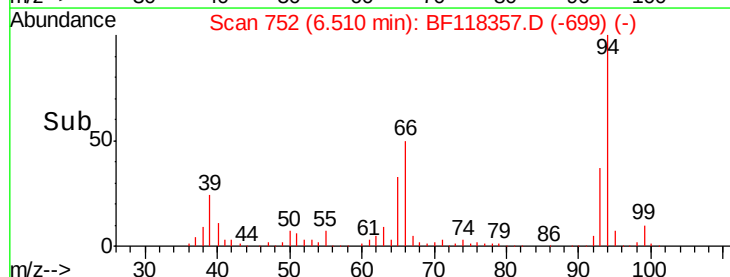
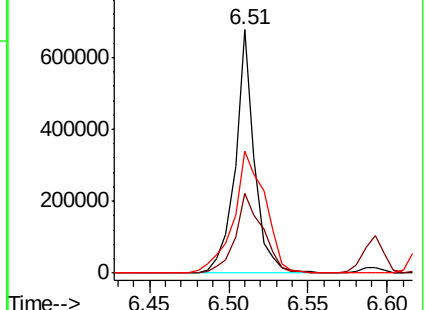
66 50.2 20.4 60.4

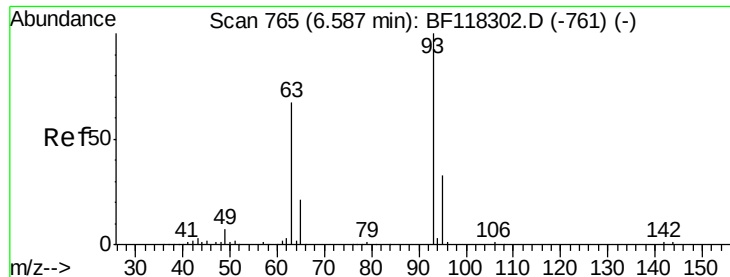


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

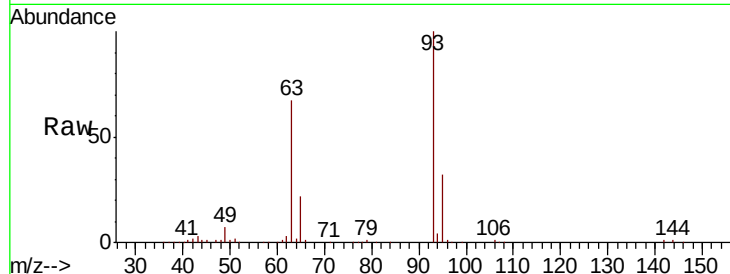




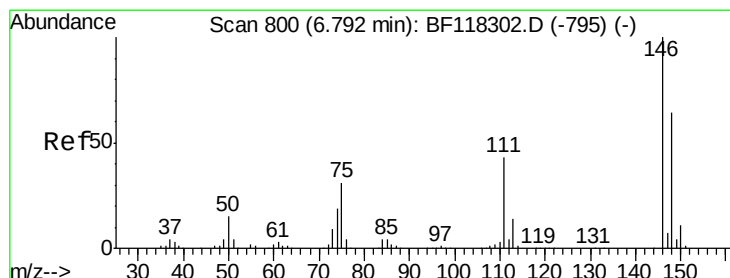
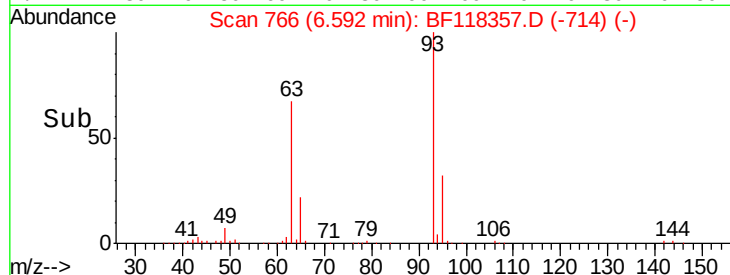
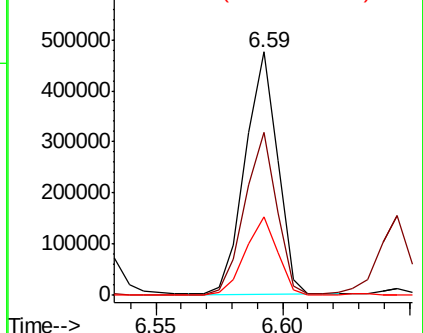
#11
bis(2-Chloroethyl)ether
Concen: 38.272 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 422842
Ion Ratio Lower Upper
93 100
63 66.9 47.0 87.0
95 32.4 12.8 52.8

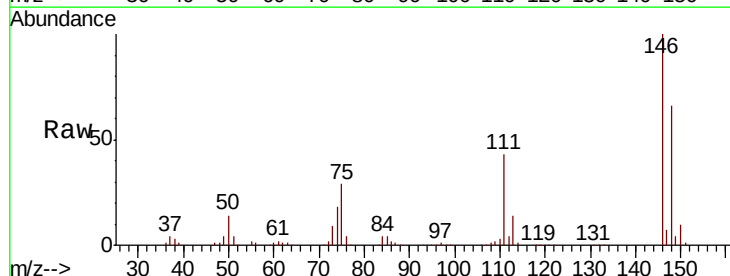


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

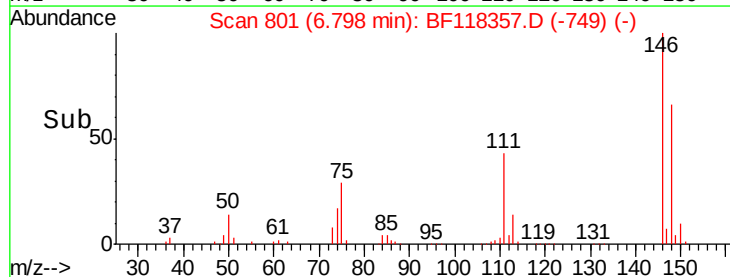
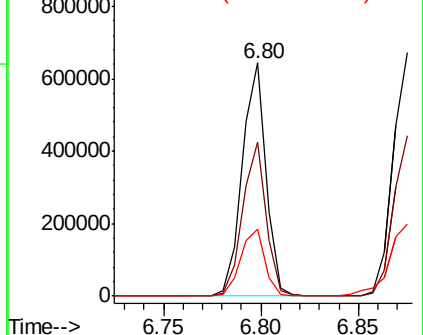


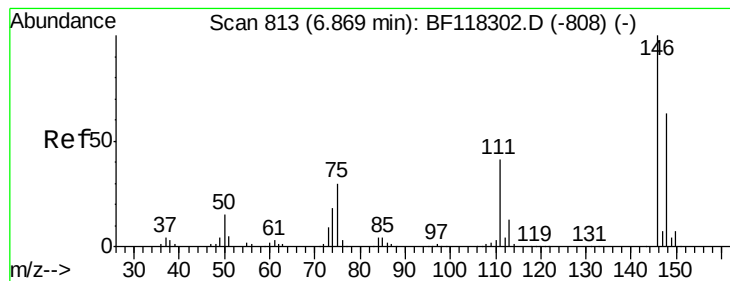
#12
1,3-Dichlorobenzene
Concen: 37.677 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion: 146 Resp: 544515
Ion Ratio Lower Upper
146 100
148 66.0 51.4 77.0
75 28.9 24.4 36.6



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





#13

1,4-Dichlorobenzene

Concen: 37.358 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

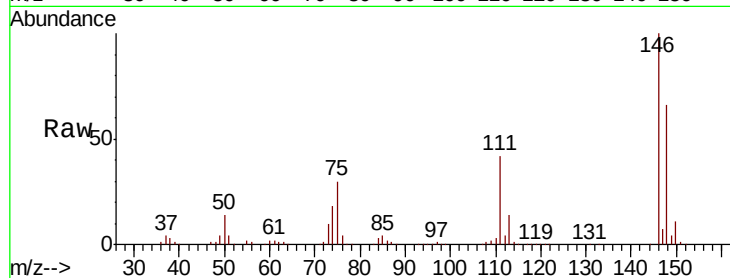
Tot Ion:146 Resp: 548389

Ion Ratio Lower Upper

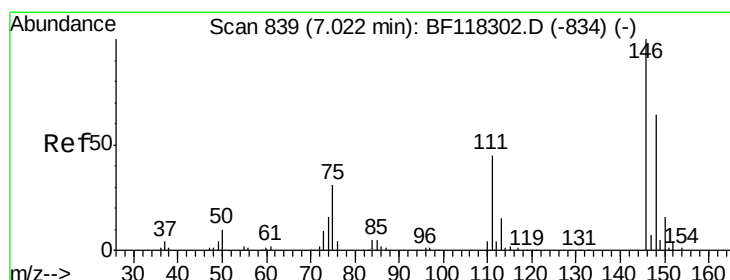
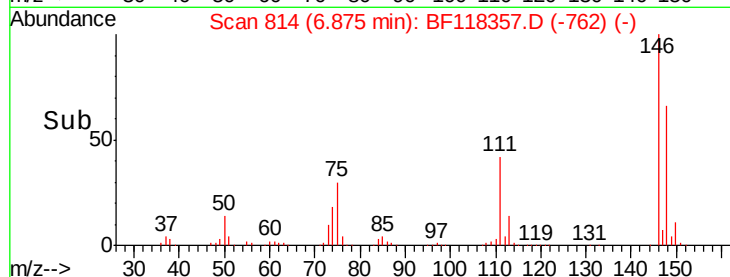
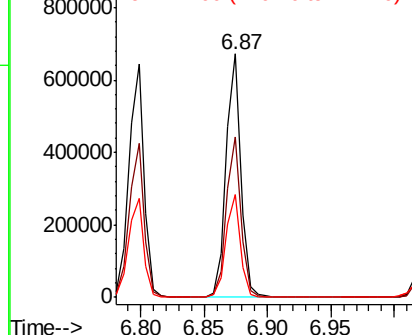
146 100

148 65.8 50.3 75.5

111 42.0 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.550 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

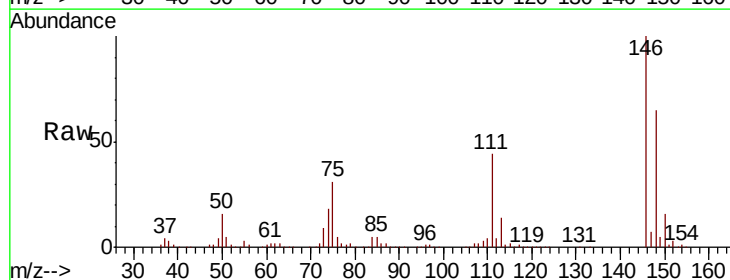
Tgt Ion:146 Resp: 520407

Ion Ratio Lower Upper

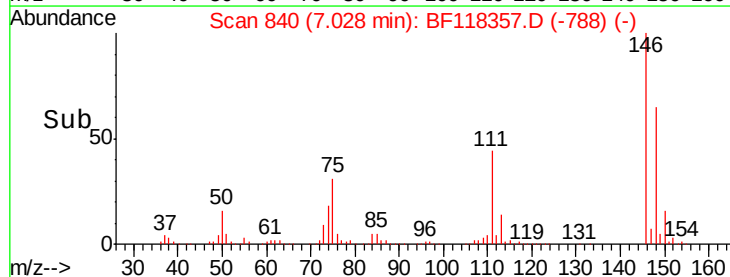
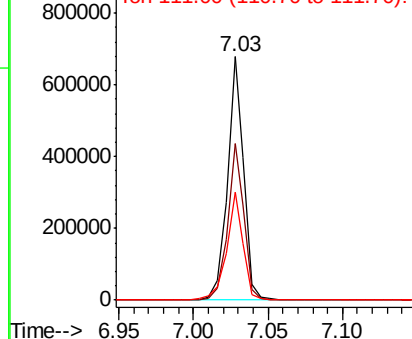
146 100

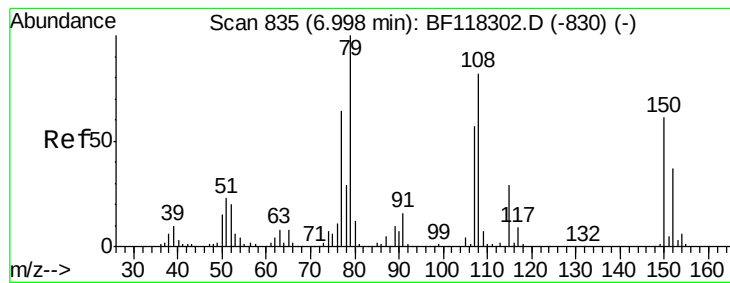
148 64.6 51.3 76.9

111 44.2 35.7 53.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.040 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

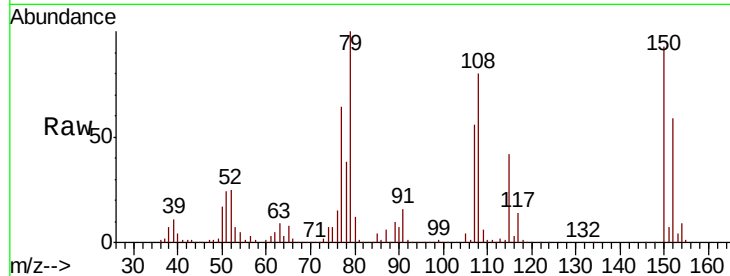
Tot Ion: 79 Resp: 398097

Ion Ratio Lower Upper

79 100

108 79.7 65.4 98.0

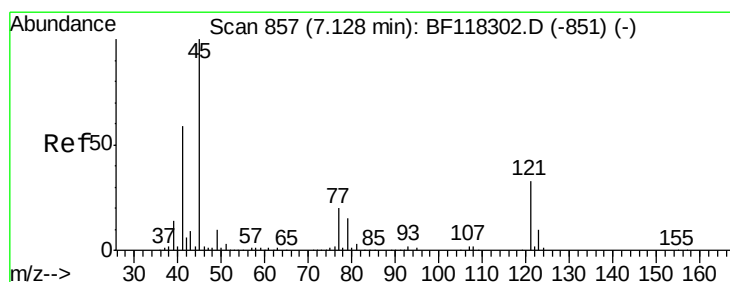
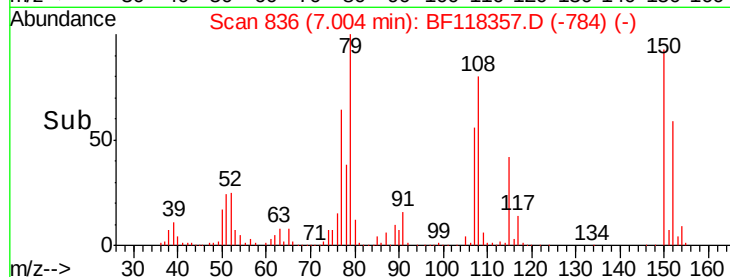
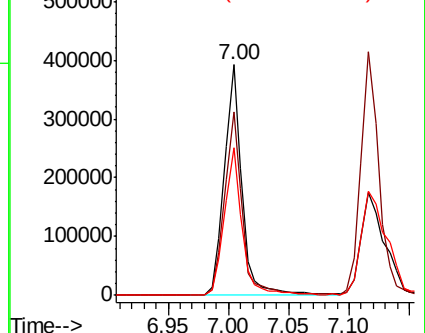
77 63.9 51.4 77.0



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: 39.026 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

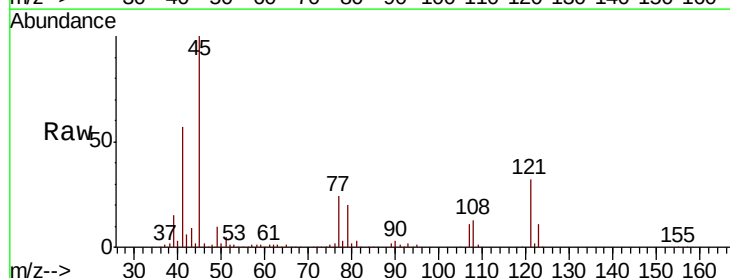
Tgt Ion: 45 Resp: 460092

Ion Ratio Lower Upper

45 100

77 24.2 1.2 41.2

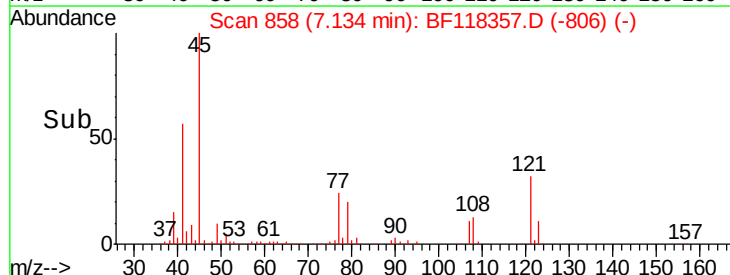
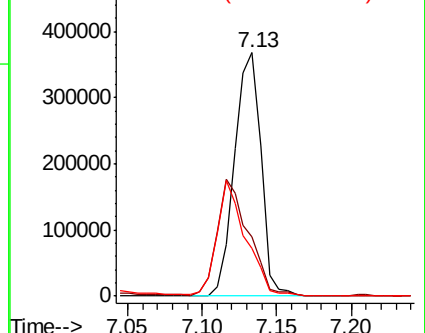
79 19.7 0.0 37.0

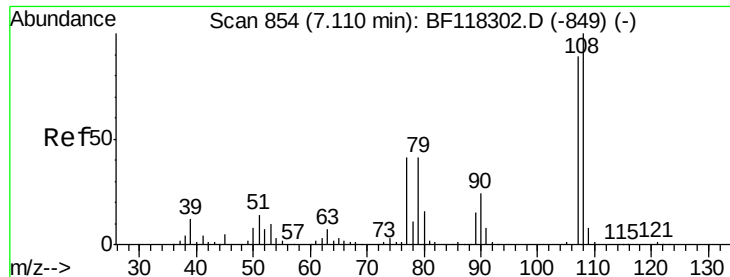


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 37.885 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 381305

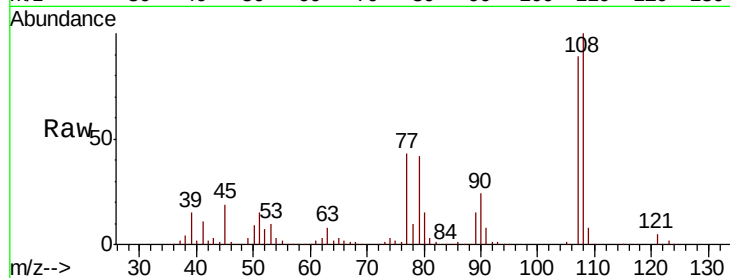
Ion Ratio Lower Upper

107 100

108 111.8 89.7 134.5

77 47.7 37.2 55.8

79 47.4 36.7 55.1

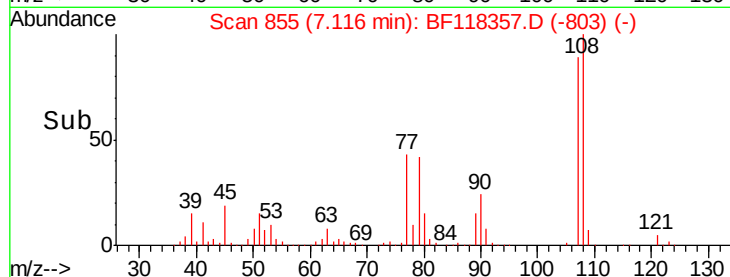


Abundance Ion 107.00 (106.70 to 107.70): E

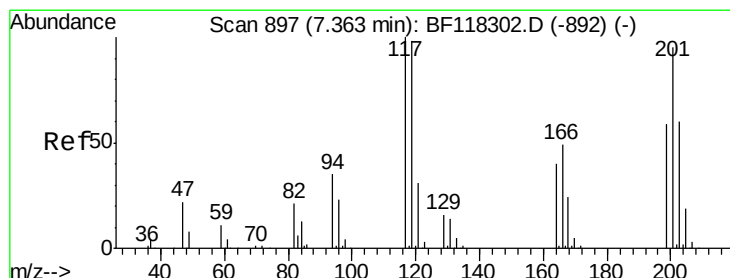
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 37.680 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

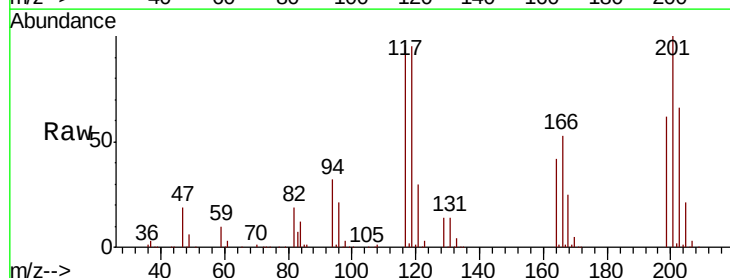
Tgt Ion:117 Resp: 203004

Ion Ratio Lower Upper

117 100

119 99.0 78.0 117.0

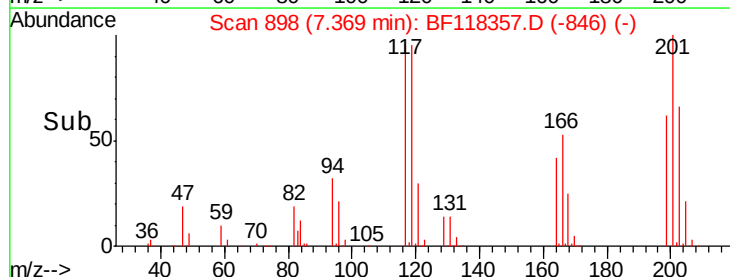
201 103.8 76.2 114.2



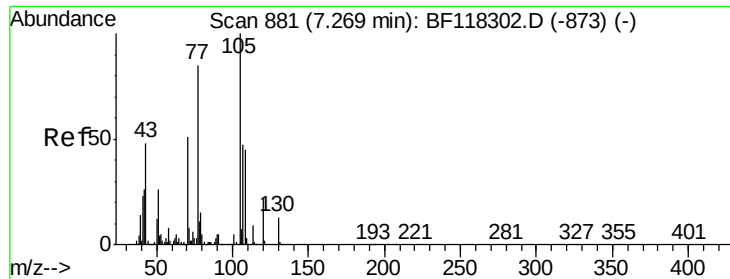
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



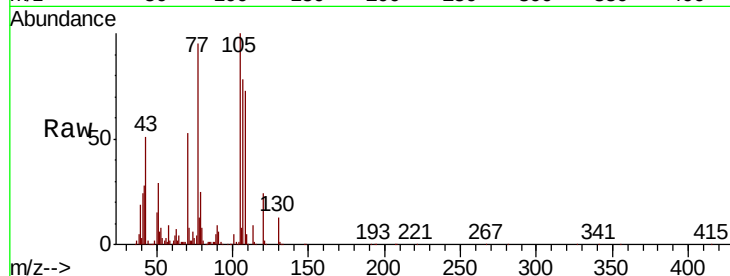
Time-->



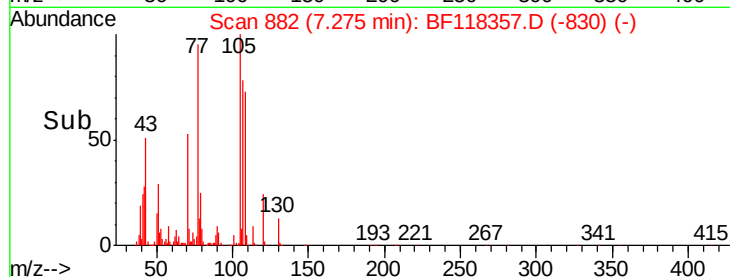
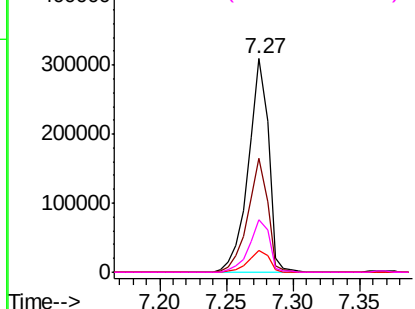
#19
n-Nitroso-di-n-propylamine
Concen: 37.611 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 318464
Ion Ratio Lower Upper
70 100
42 53.6 41.1 61.7
101 10.0 8.3 12.5
130 24.4 20.1 30.1



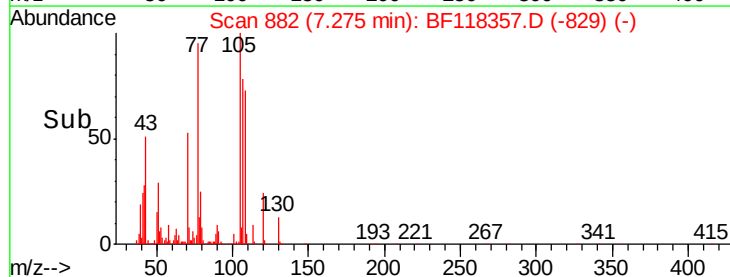
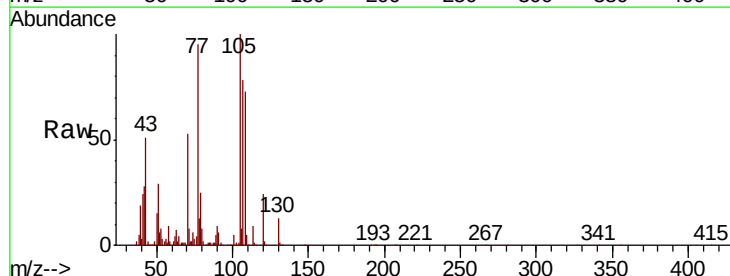
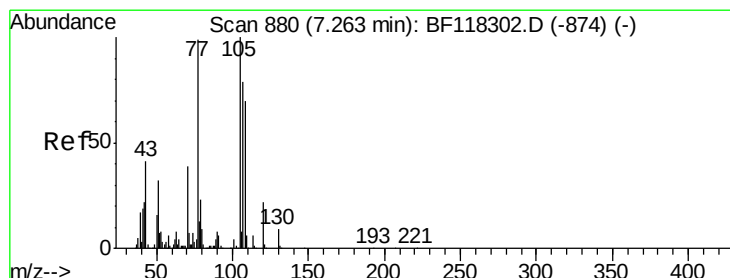
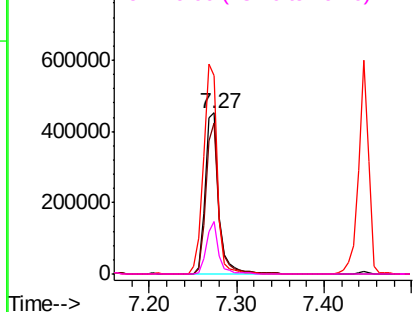
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

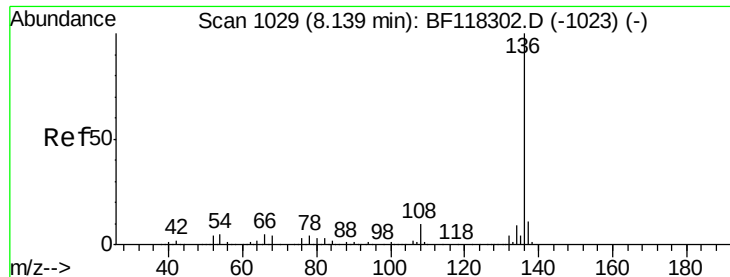


#20
3+4-Methylphenols
Concen: 37.584 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion: 107 Resp: 484143
Ion Ratio Lower Upper
107 100
108 93.5 69.3 109.3
77 123.0 105.9 145.9
79 32.4 9.2 49.2

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 730733

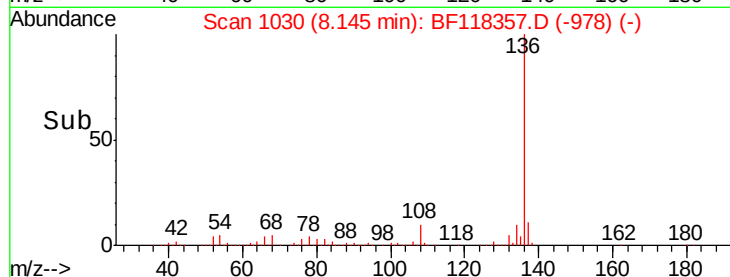
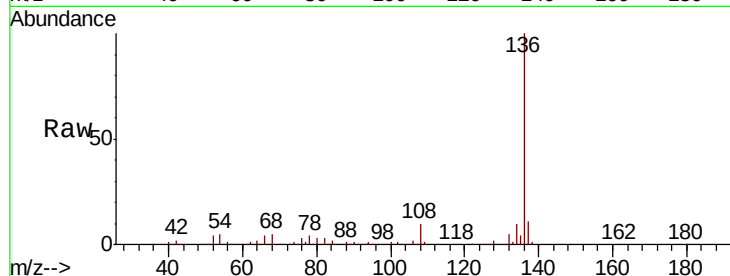
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.2 4.2 6.4

68 4.6 3.5 5.3

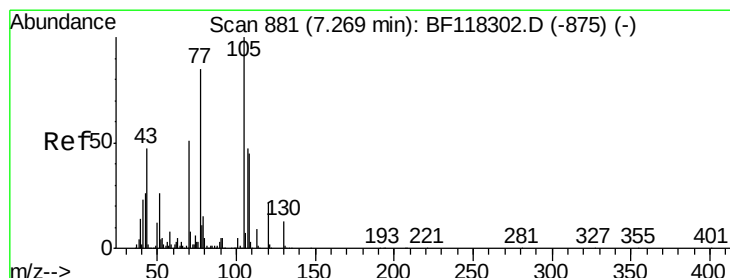
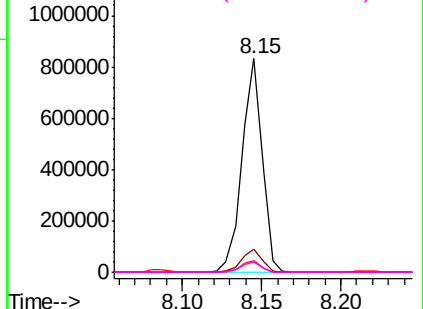


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 37.664 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.00 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Tgt Ion:105 Resp: 674534

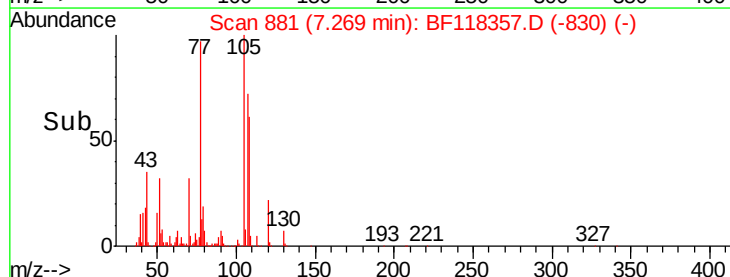
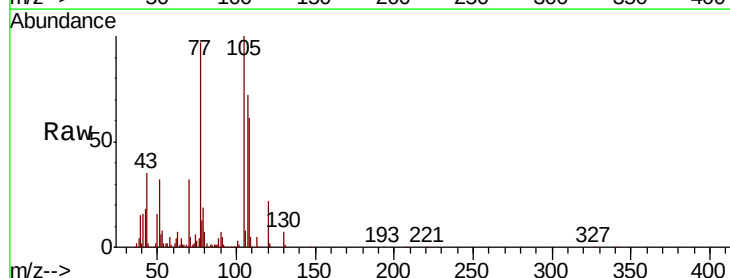
Ion Ratio Lower Upper

105 100

71 5.5 6.6 9.8#

51 31.8 20.6 30.8#

120 22.4 18.0 27.0

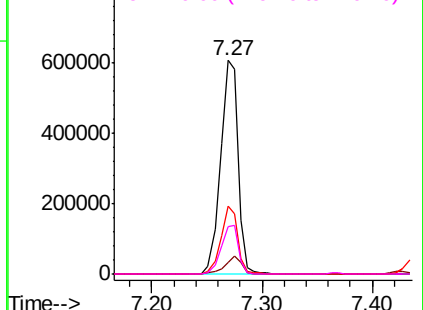


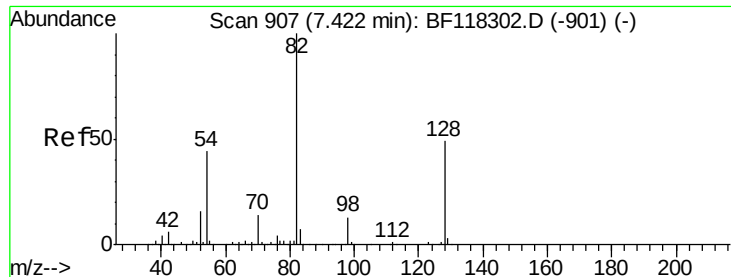
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

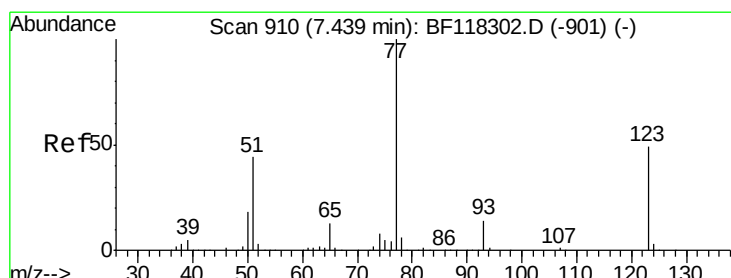
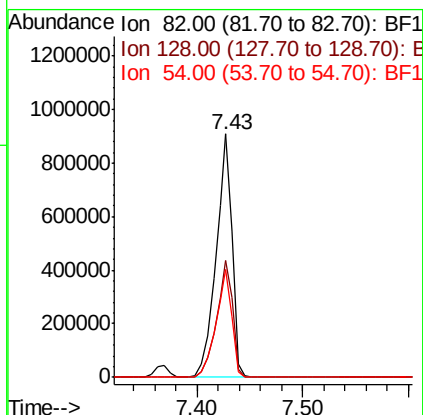
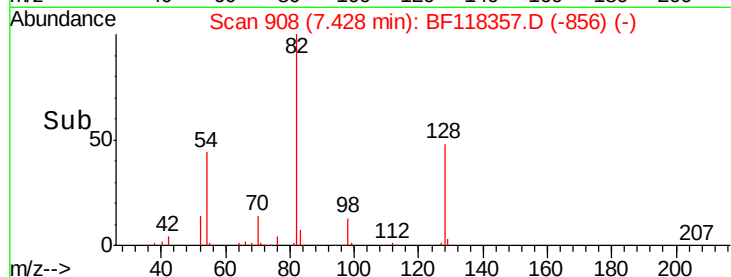
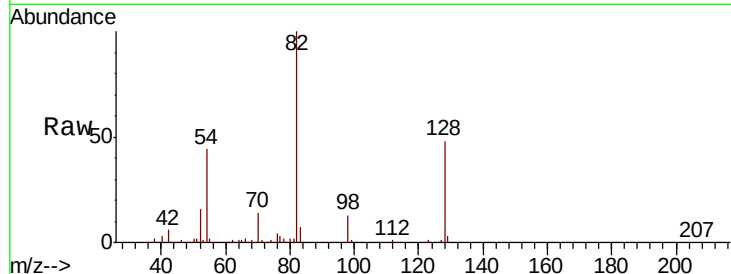




#23
 Nitrobenzene-d5
 Concen: 75.864 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

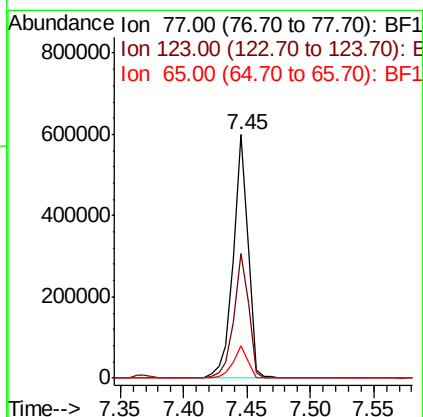
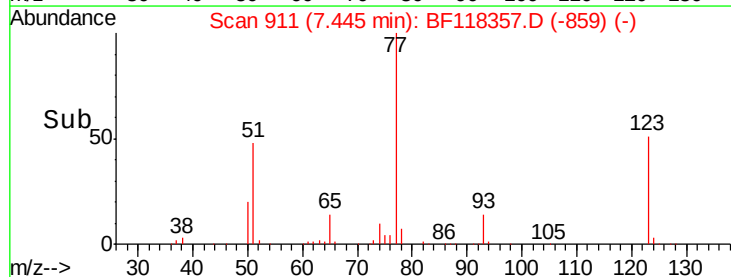
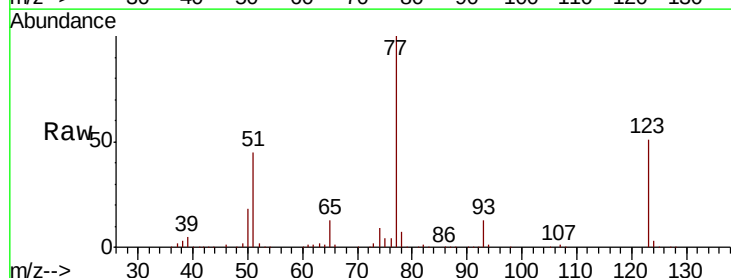
Instrument :
 BNA_F
 ClientSampleId :

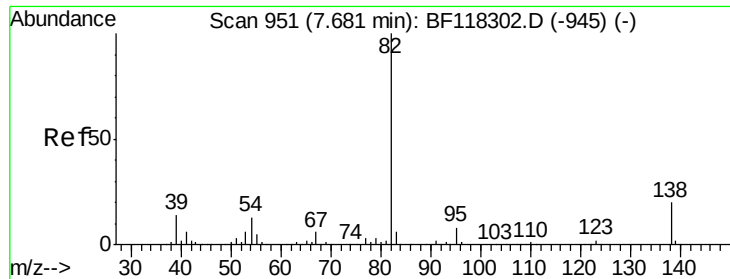
Tot Ion: 82 Resp: 969256
 Ion Ratio Lower Upper
 82 100
 128 48.0 39.6 59.4
 54 44.3 34.9 52.3



#24
 Nitrobenzene
 Concen: 37.421 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion: 77 Resp: 478928
 Ion Ratio Lower Upper
 77 100
 123 51.3 39.1 58.7
 65 13.2 10.6 16.0





#25

Isophorone

Concen: 37.842 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampled :

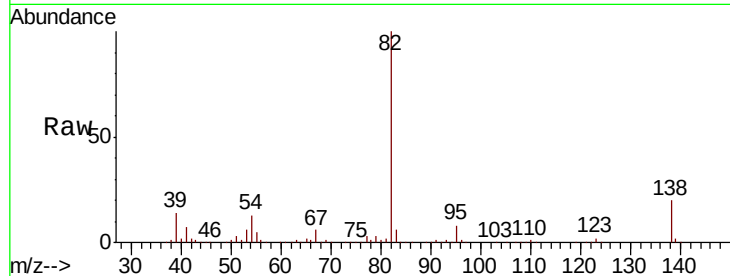
Tot Ion: 82 Resp: 842604

Ion Ratio Lower Upper

82 100

95 8.0 6.3 9.5

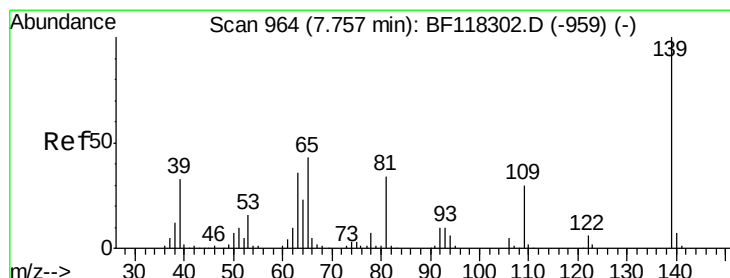
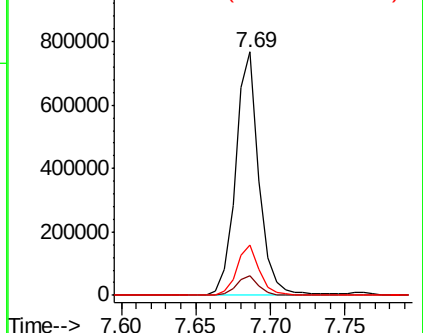
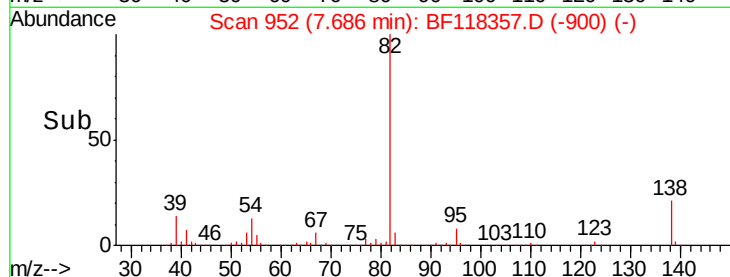
138 20.5 16.2 24.2



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: 39.387 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

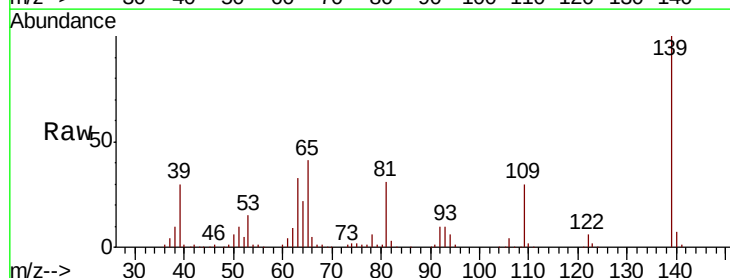
Tgt Ion: 139 Resp: 266998

Ion Ratio Lower Upper

139 100

109 30.0 24.1 36.1

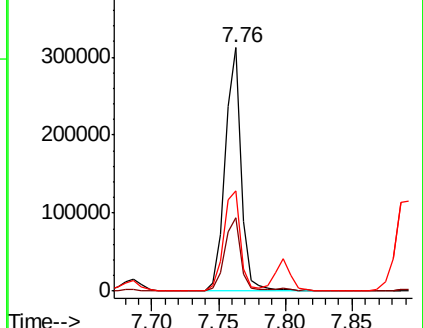
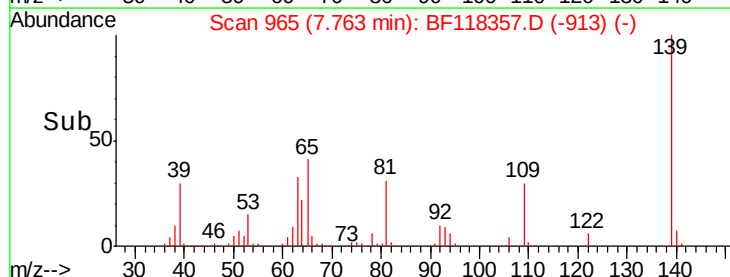
65 41.3 34.6 52.0

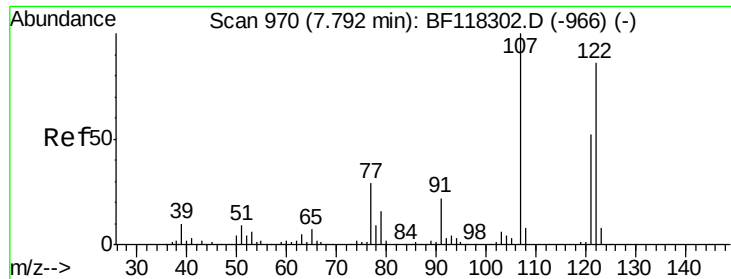


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

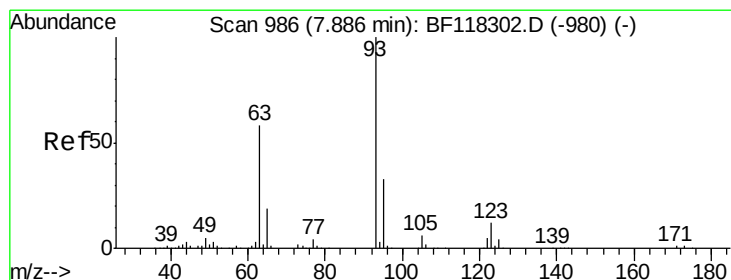
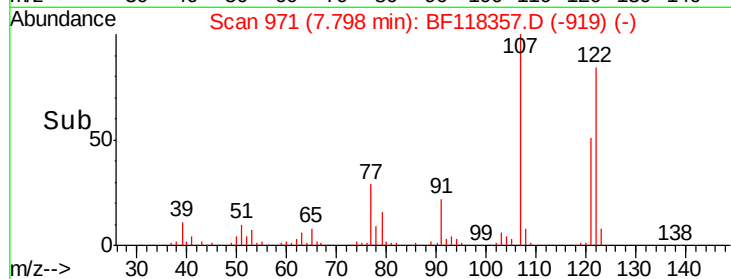
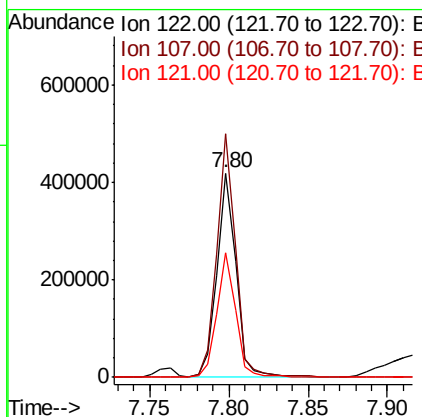
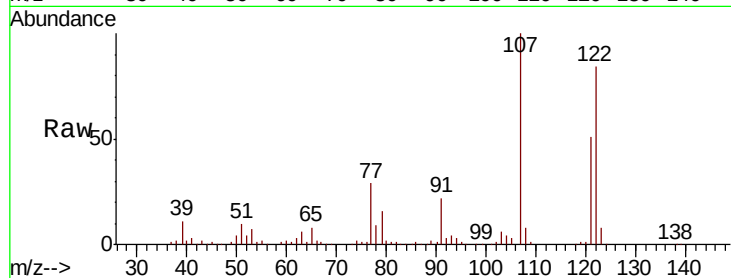




#27
 2,4-Dimethylphenol
 Concen: 37.383 ng
 RT: 7.80 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

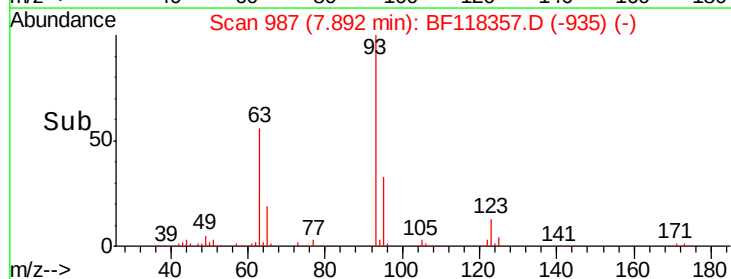
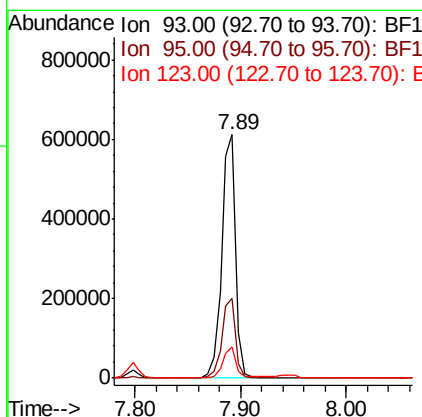
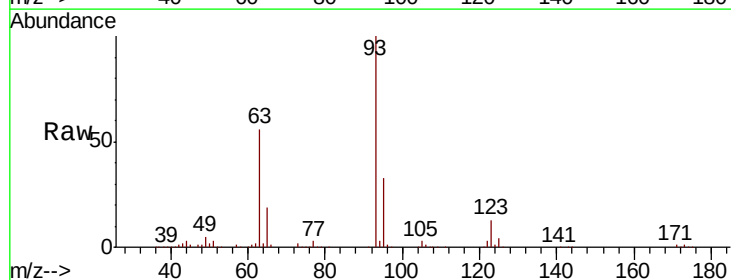
Instrument :
 BNA_F
 ClientSampleId :

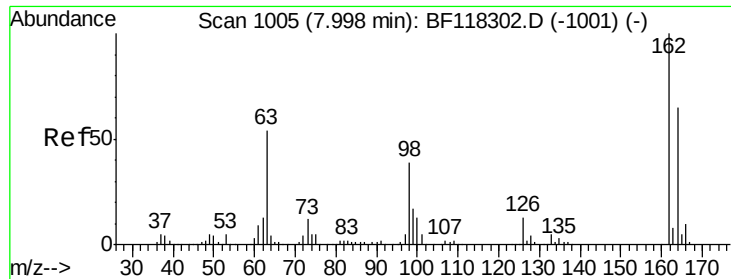
Tot Ion:122 Resp: 345758
 Ion Ratio Lower Upper
 122 100
 107 119.2 92.9 139.3
 121 60.8 47.9 71.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.760 ng
 RT: 7.89 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion: 93 Resp: 564428
 Ion Ratio Lower Upper
 93 100
 95 32.7 26.2 39.4
 123 12.6 9.8 14.8

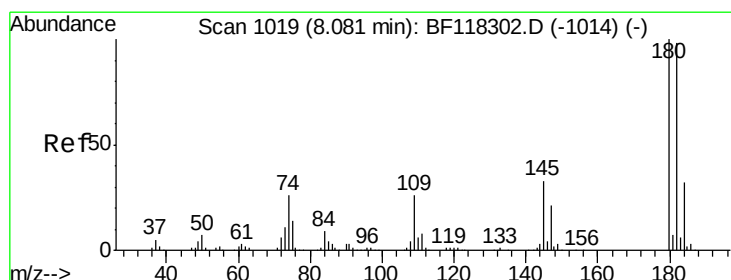
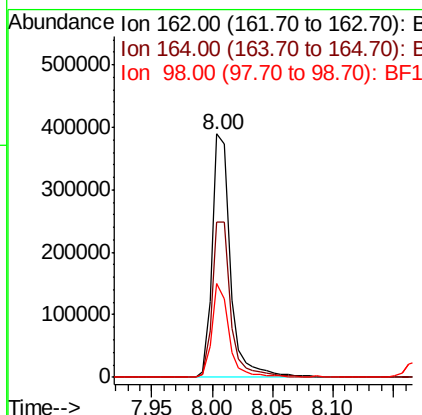
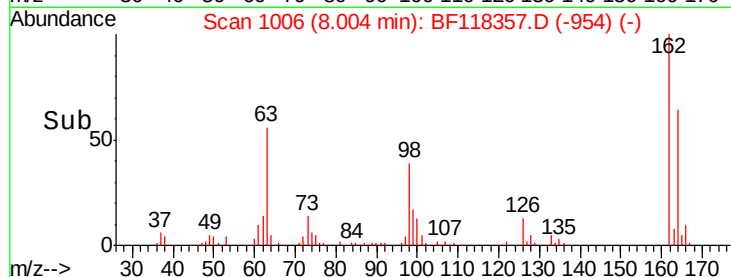
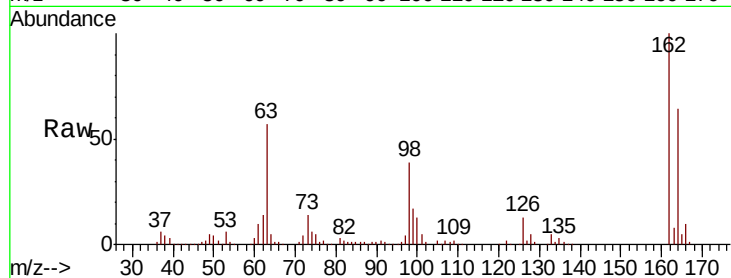




#29
 2,4-Dichlorophenol
 Concen: 38.110 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

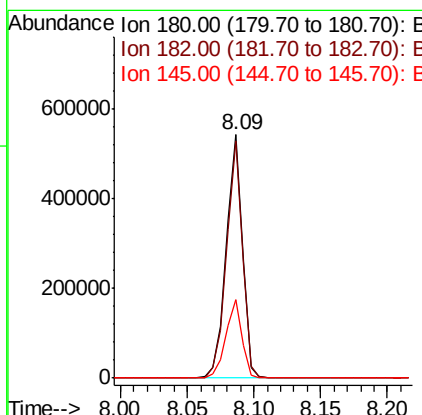
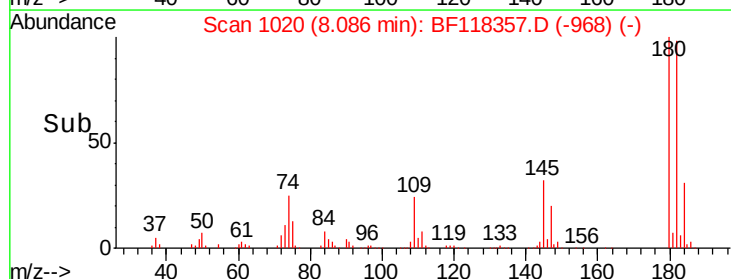
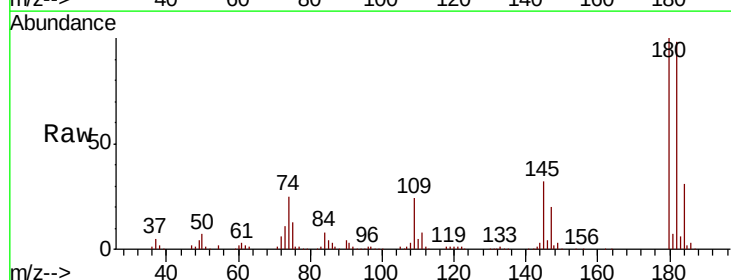
Instrument :
 BNA_F
 ClientSampled :

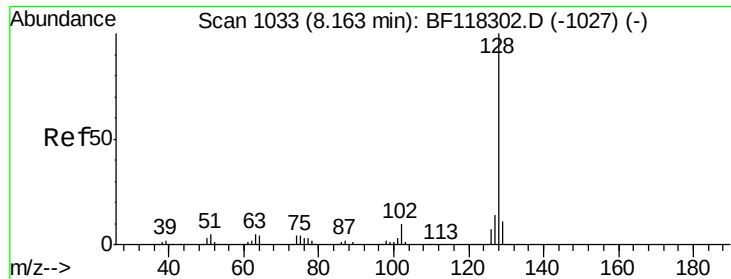
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.7	45.1	85.1
98	38.5	18.6	58.6



#30
 1,2,4-Trichlorobenzene
 Concen: 38.072 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.3	117.5
145	32.1	26.7	40.1

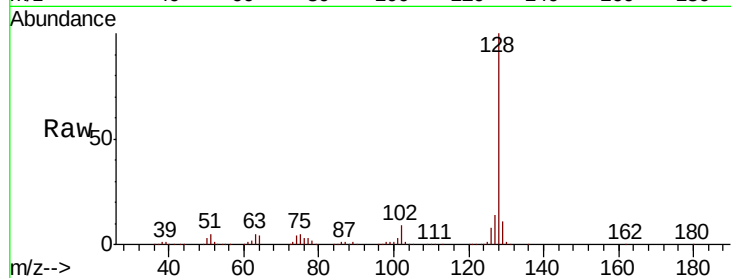




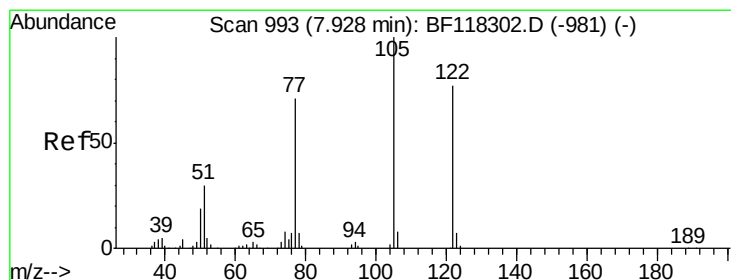
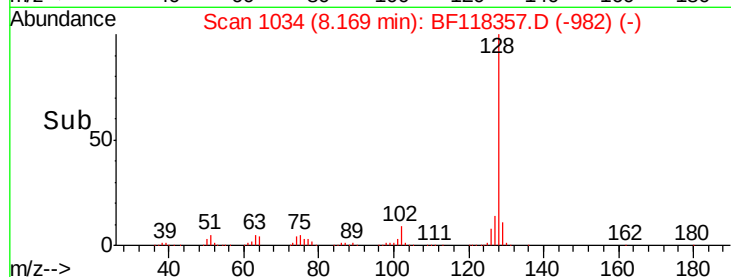
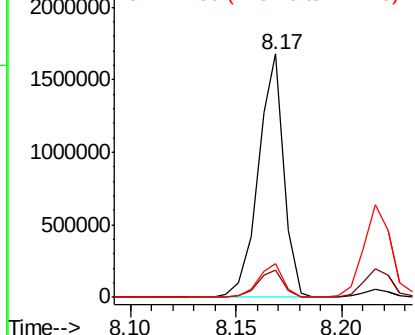
#31
Naphthalene
Concen: 37.889 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1407213
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.8 11.0 16.4

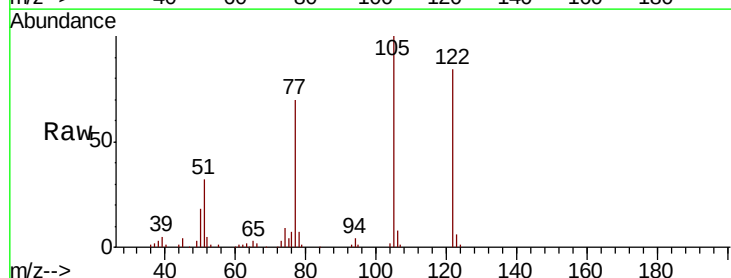


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

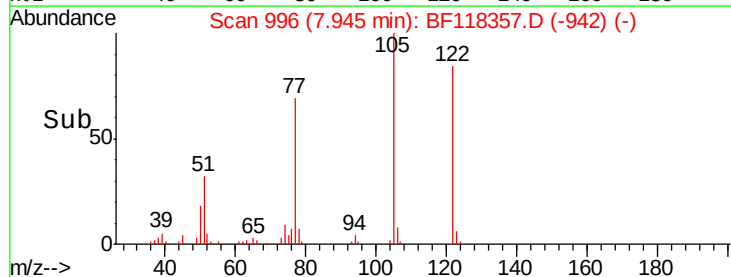
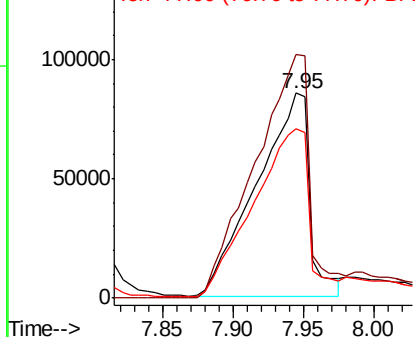


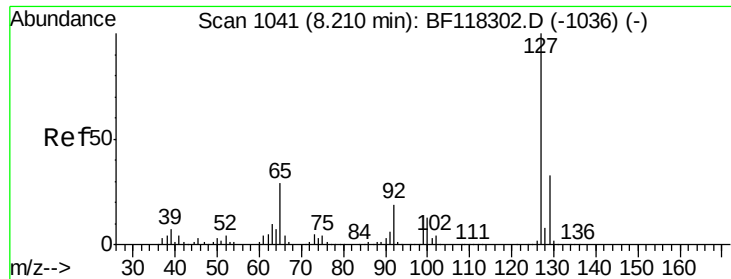
#32
Benzoic acid
Concen: 30.790 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:122 Resp: 222446
Ion Ratio Lower Upper
122 100
105 118.8 106.8 146.8
77 82.6 70.4 110.4



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

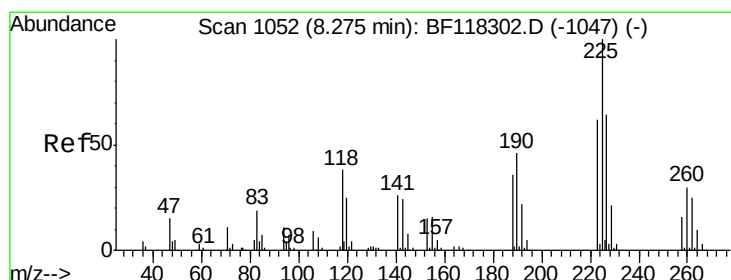
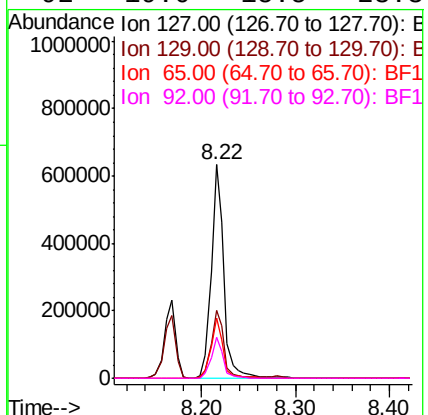
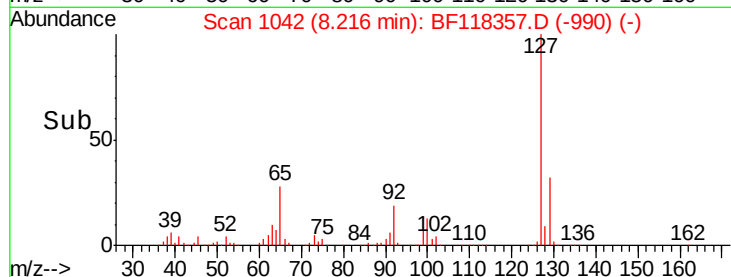
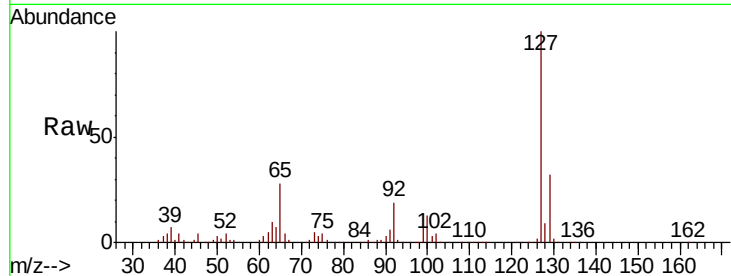




#33
4-Chloroaniline
Concen: 37.959 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

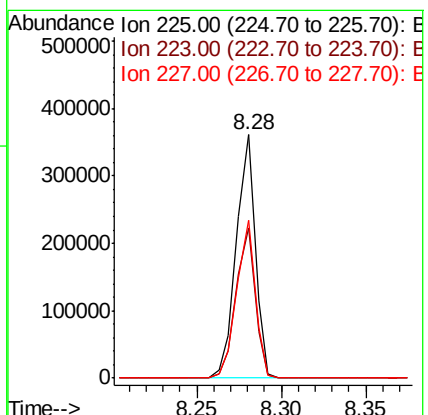
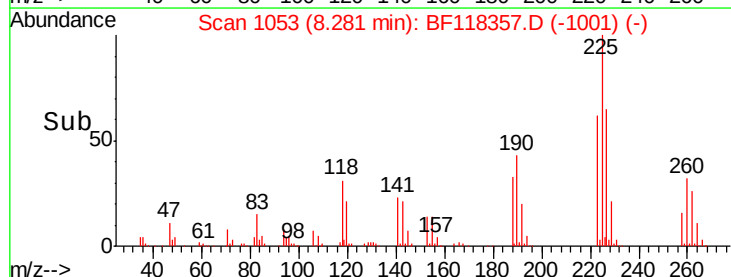
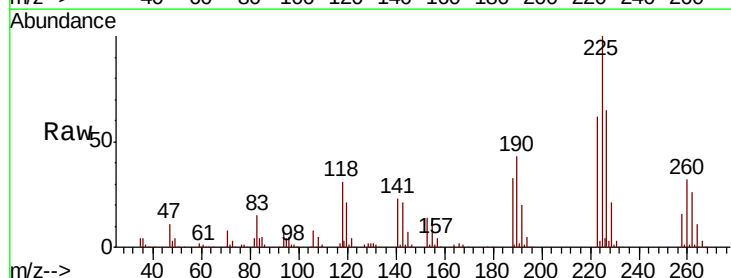
Instrument :
BNA_F
ClientSampled :

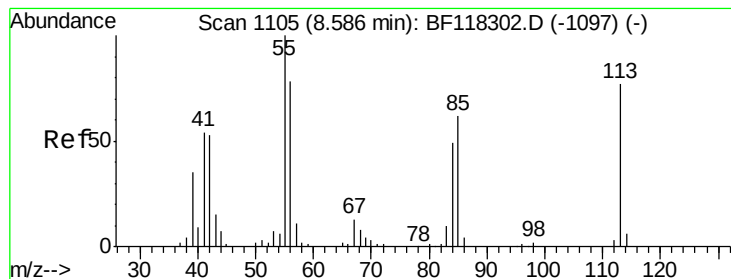
Tot Ion:	127	Resp:	604389
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.5	39.7
65	28.2	22.8	34.2
92	19.0	15.5	23.3



#34
Hexachlorobutadiene
Concen: 38.403 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:	225	Resp:	283482
Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.5	74.3
227	64.8	51.0	76.4





#35

Caprolactam

Concen: 37.468 ng

RT: 8.61 min Scan# 1109

Delta R.T. 0.02 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

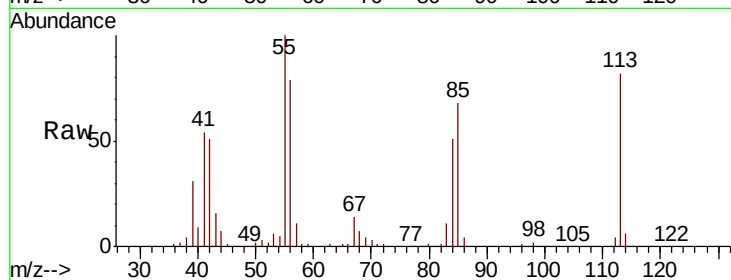
Tot Ion:113 Resp: 124528

Ion Ratio Lower Upper

113 100

55 121.9 109.8 149.8

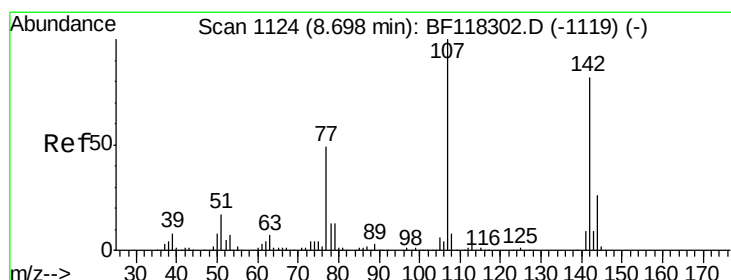
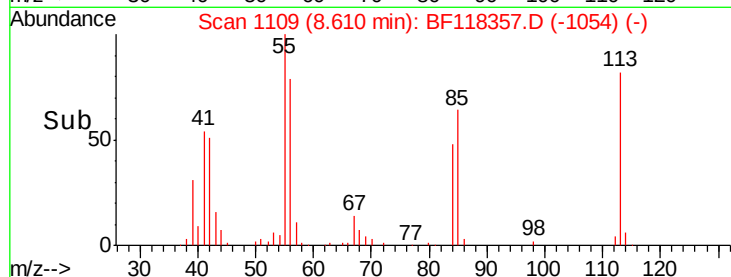
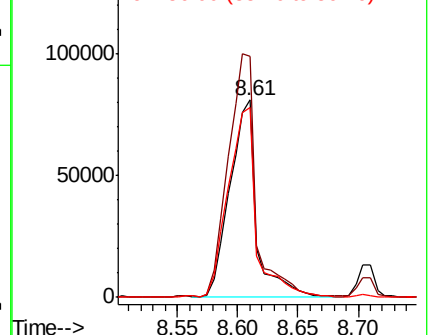
56 96.3 81.7 121.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 37.702 ng

RT: 8.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

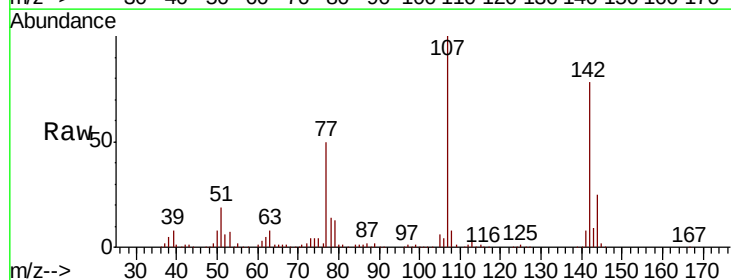
Tgt Ion:107 Resp: 430922

Ion Ratio Lower Upper

107 100

144 25.4 21.2 31.8

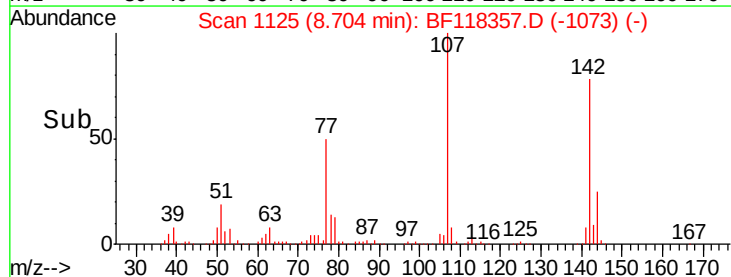
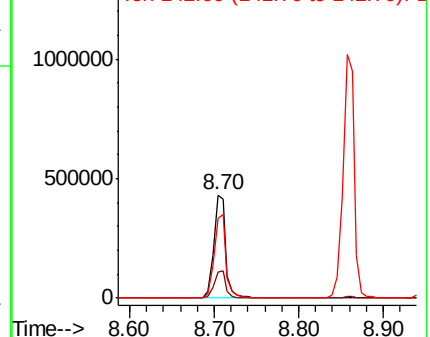
142 77.9 65.4 98.2

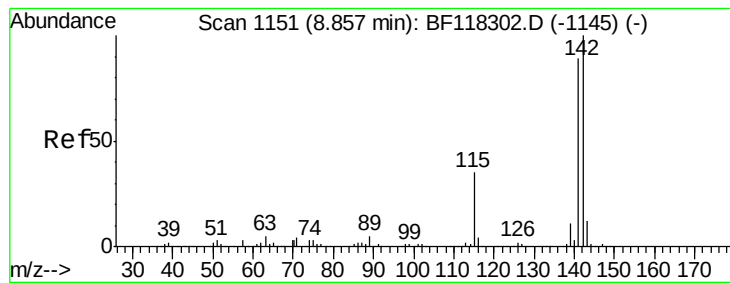


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

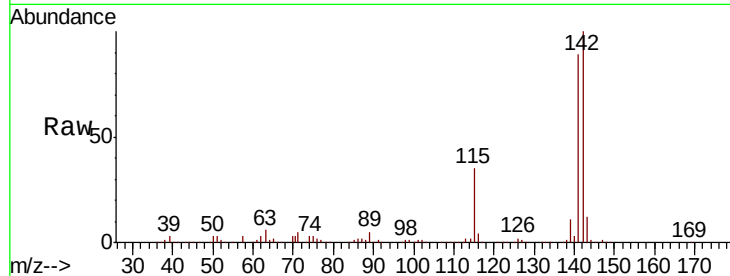




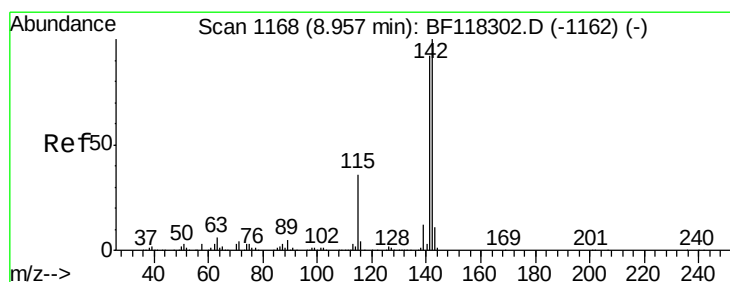
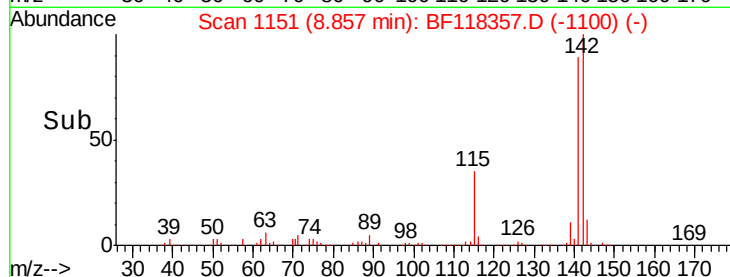
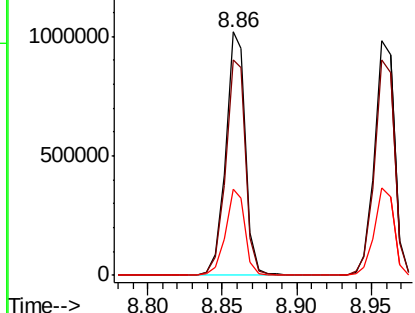
#37
 2-Methylnaphthalene
 Concen: 37.770 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8
115	35.2	28.0	42.0

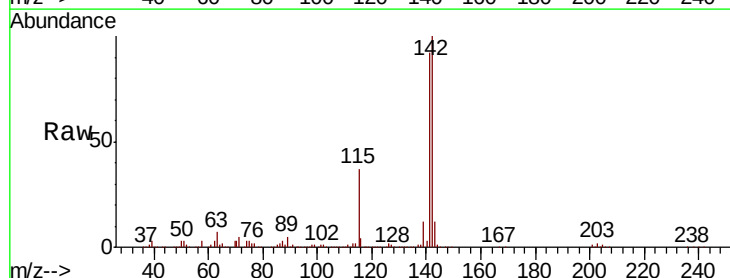


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

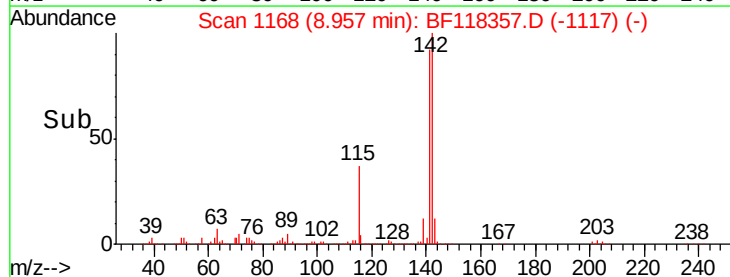
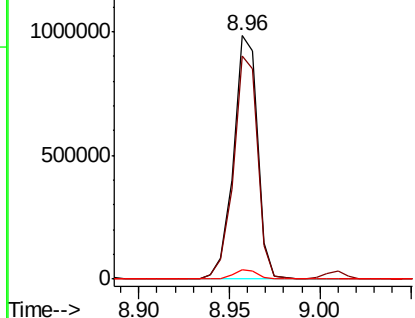


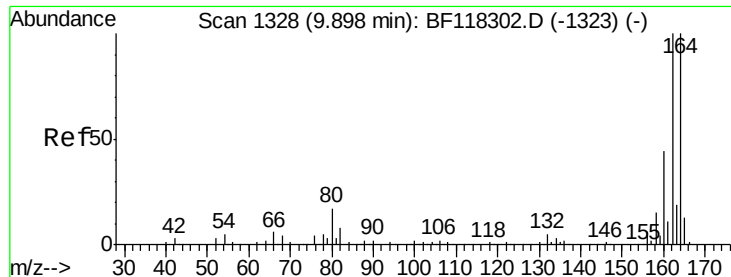
#38
 1-Methylnaphthalene
 Concen: 37.769 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2
116	3.9	2.9	4.3



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: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

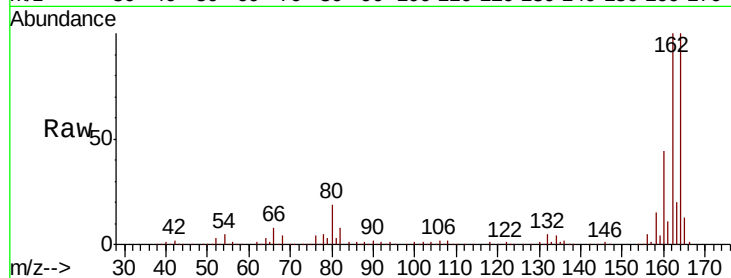
Tot Ion:164 Resp: 390140

Ion Ratio Lower Upper

164 100

162 100.0 80.0 120.0

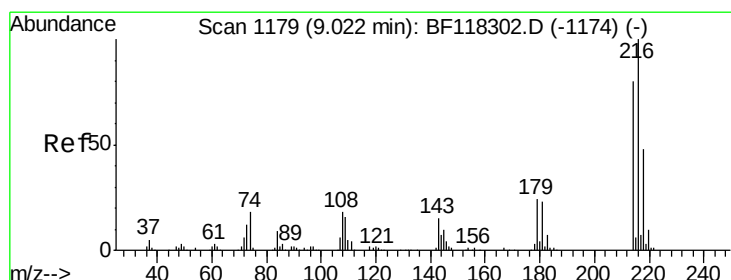
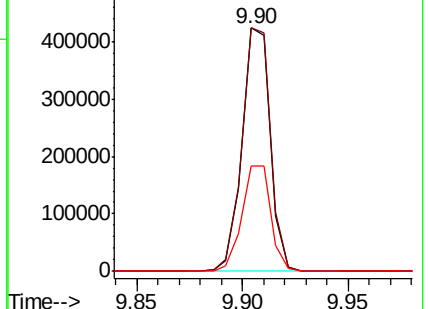
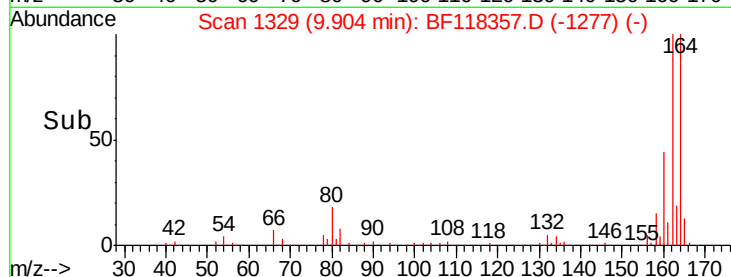
160 43.5 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.150 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Tgt Ion:216 Resp: 447200

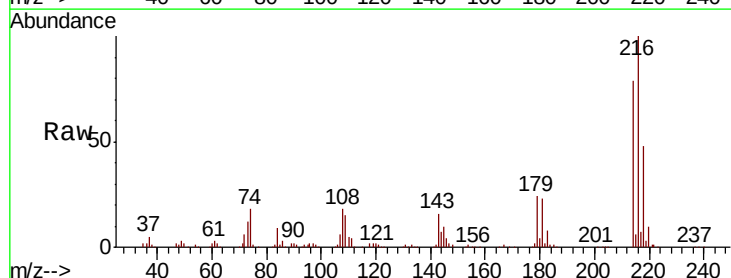
Ion Ratio Lower Upper

216 100

214 78.9 63.3 94.9

179 23.5 18.9 28.3

108 19.2 15.0 22.6

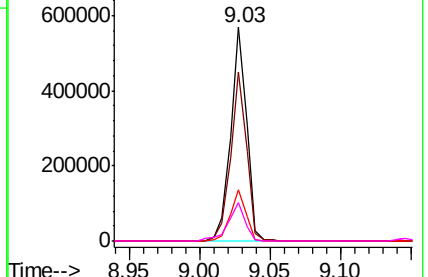
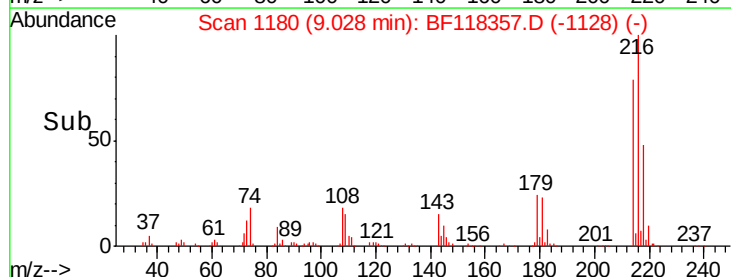


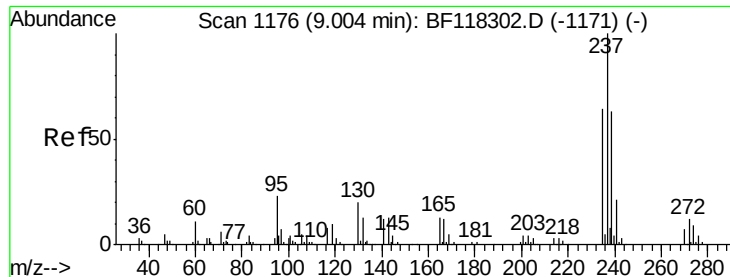
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

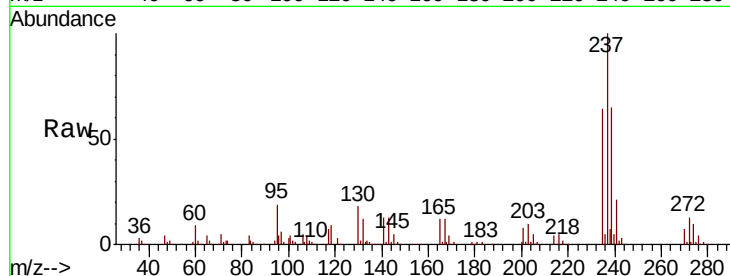




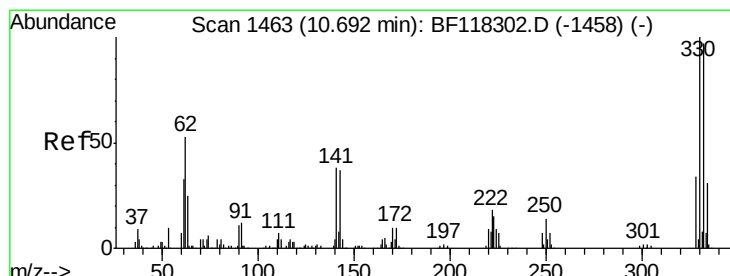
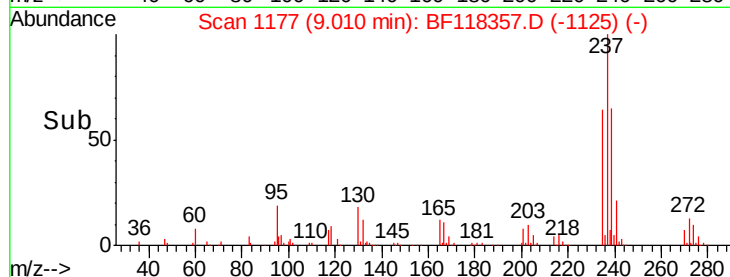
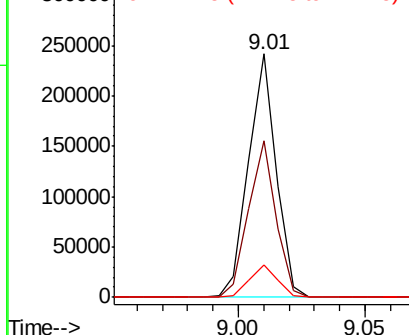
#41
Hexachlorocyclopentadiene
Concen: 42.114 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
237	100		
235	64.4	43.8	83.8
272	13.5	0.0	31.7

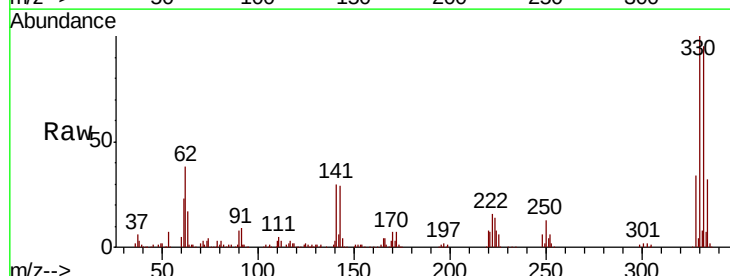


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

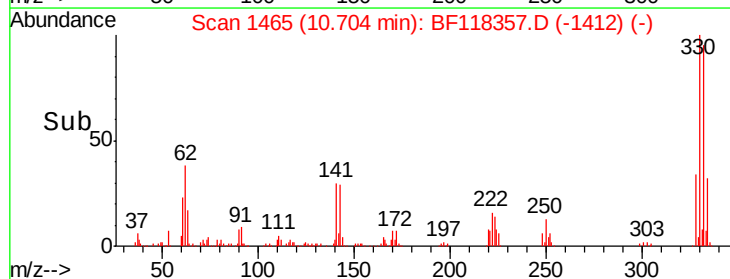
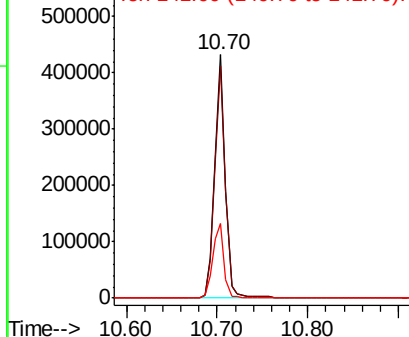


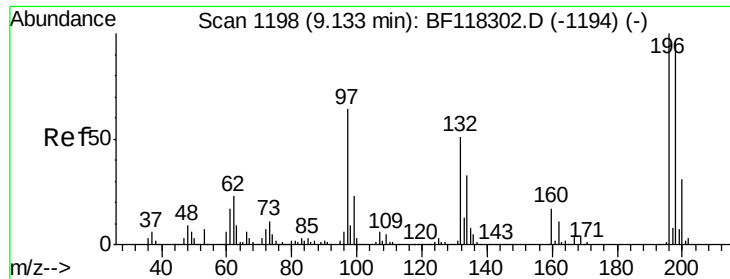
#42
2,4,6-Tribromophenol
Concen: 74.679 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	114.8
141	32.1	26.0	39.0



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

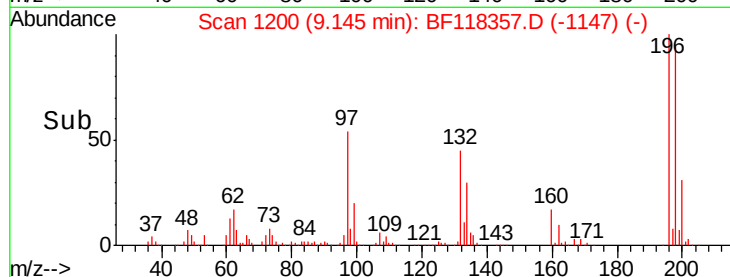
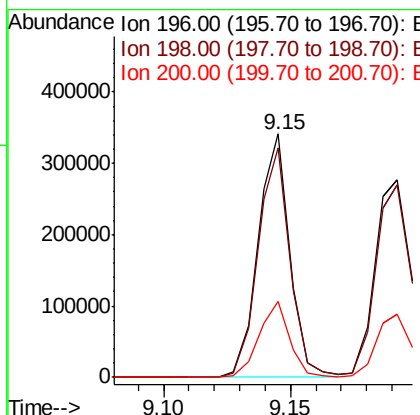
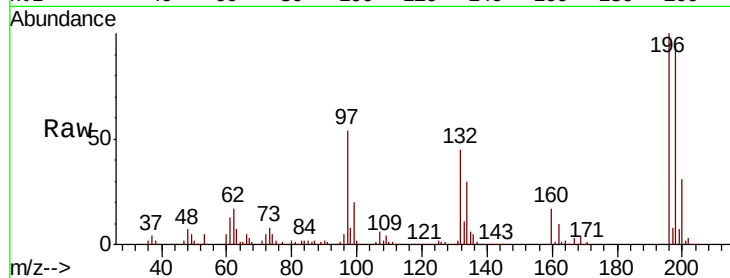




#43
 2,4,6-Trichlorophenol
 Concen: 37.962 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

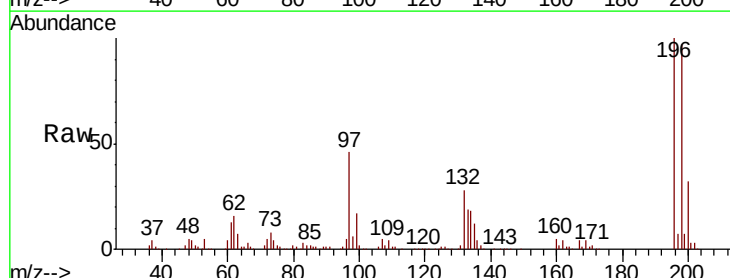
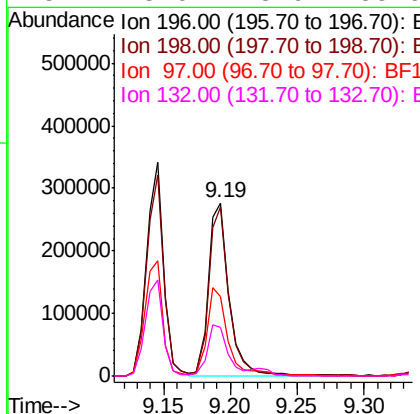
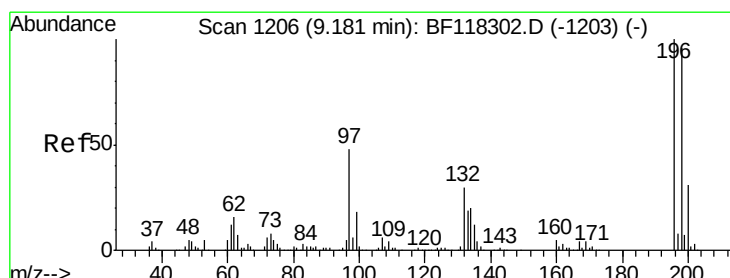
Instrument :
 BNA_F
 ClientSampleId :

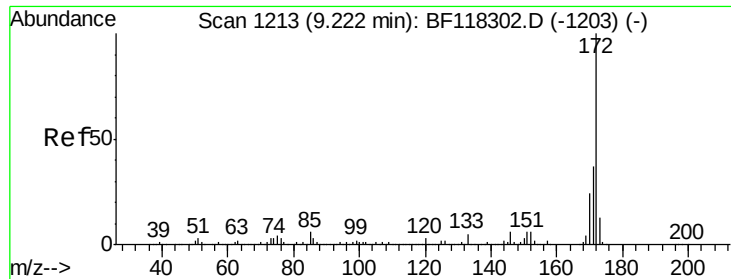
Tot Ion:196 Resp: 297286
 Ion Ratio Lower Upper
 196 100
 198 94.1 76.7 115.1
 200 31.1 24.8 37.2



#44
 2,4,5-Trichlorophenol
 Concen: 37.275 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion:196 Resp: 300288
 Ion Ratio Lower Upper
 196 100
 198 97.3 77.0 115.4
 97 45.6 38.9 58.3
 132 28.0 23.9 35.9

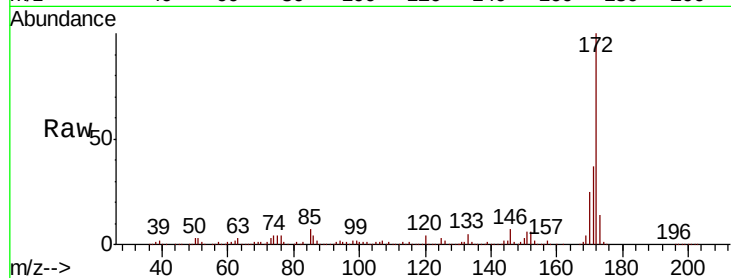




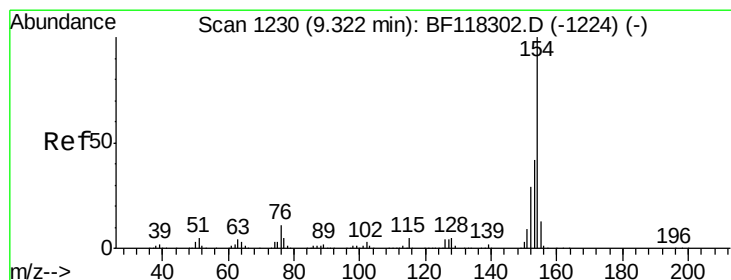
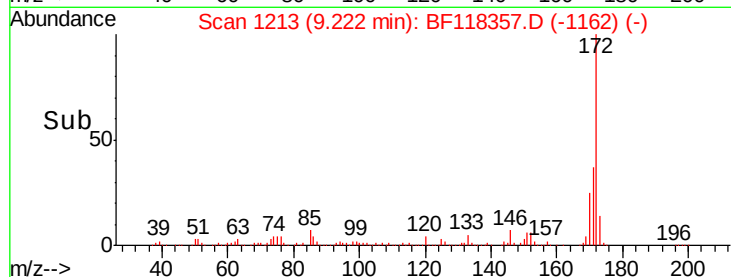
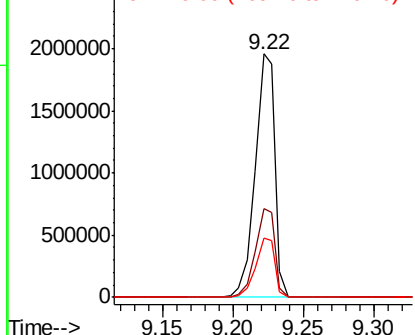
#45
2-Fluorobiphenyl
Concen: 75.577 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1931609
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 24.6 19.2 28.8

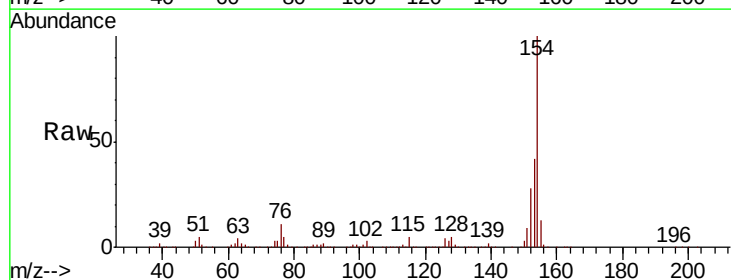


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

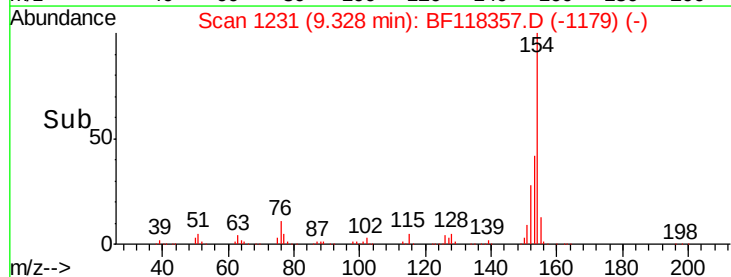
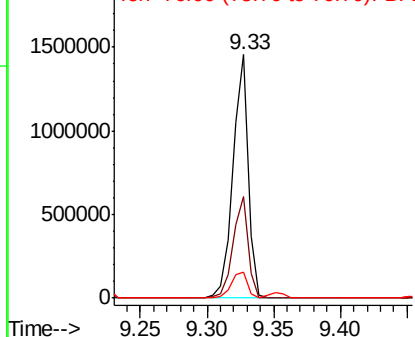


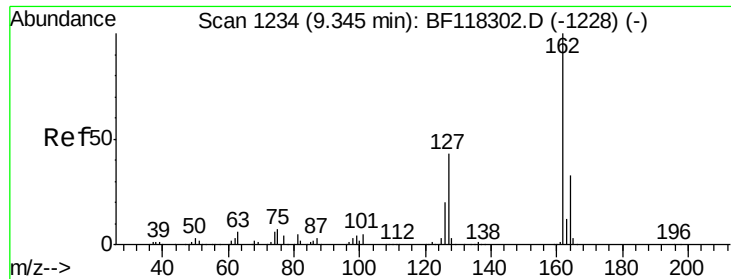
#46
1,1'-Biphenyl
Concen: 38.188 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:154 Resp: 1178412
Ion Ratio Lower Upper
154 100
153 42.0 21.8 61.8
76 10.9 0.0 30.9



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

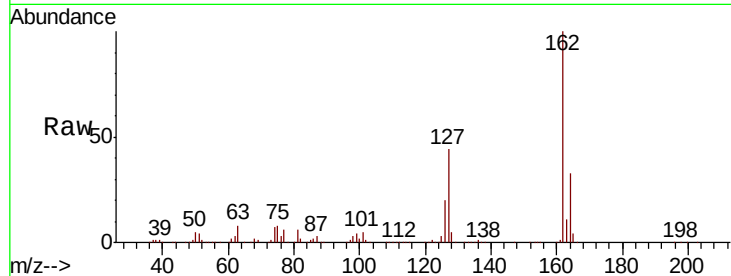




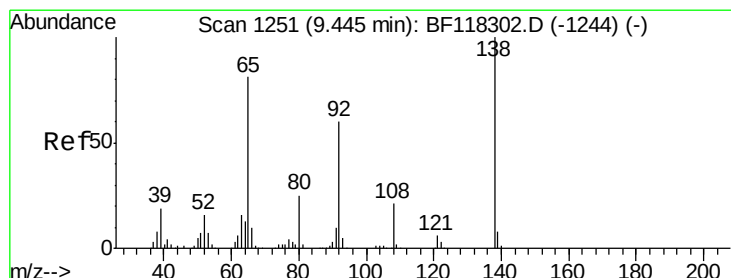
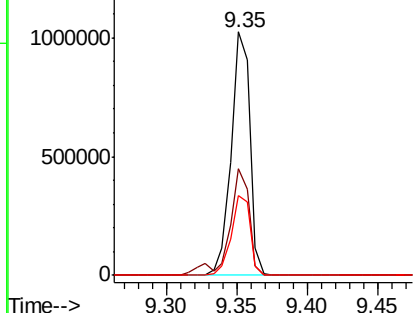
#47
 2-Chloronaphthalene
 Concen: 38.118 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.6	35.0	52.4
164	32.7	26.6	40.0

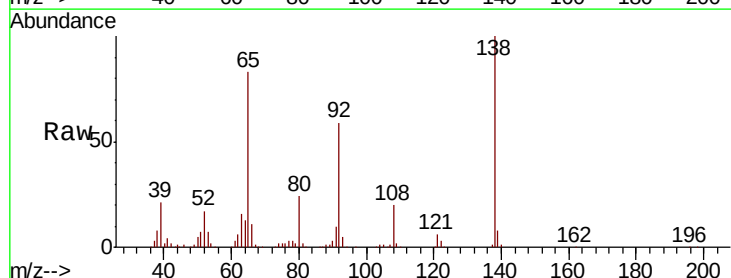


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

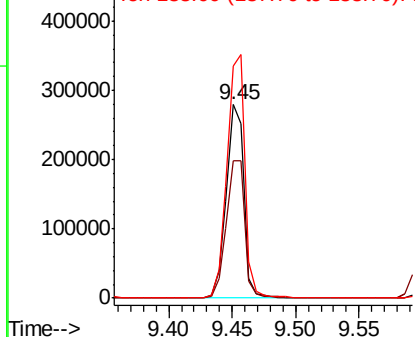


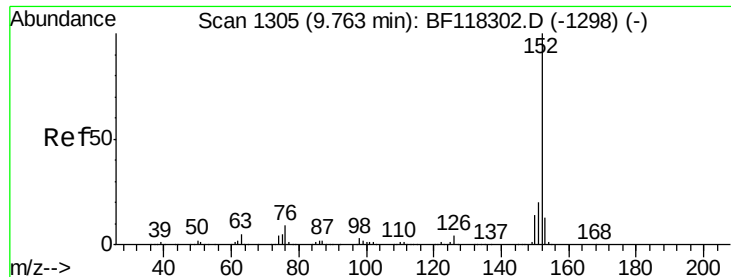
#48
 2-Nitroaniline
 Concen: 38.335 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.7	88.1
138	120.1	98.5	147.7



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: 37.387 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

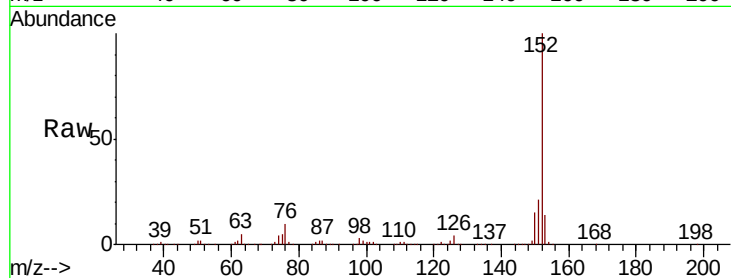
Instrument :

BNA_F

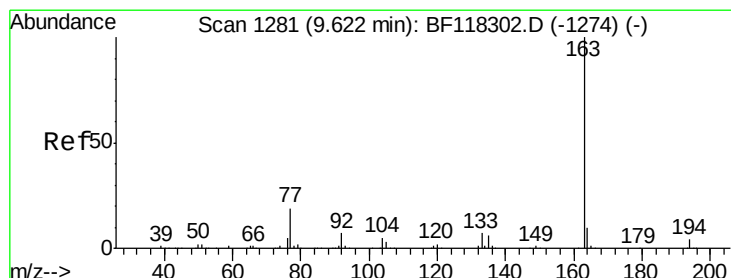
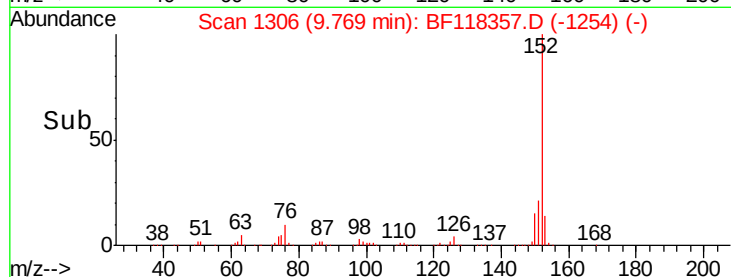
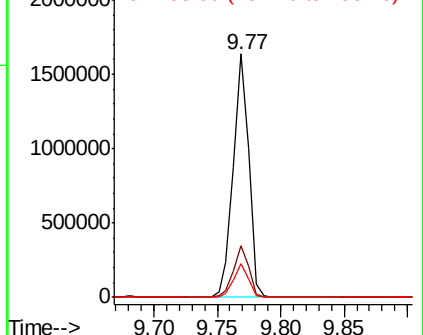
ClientSampleId :

Tot Ion:152 Resp: 1377084

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.2
153	13.6	10.5	15.7



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



#50

Dimethylphthalate

Concen: 37.783 ng

RT: 9.63 min Scan# 1282

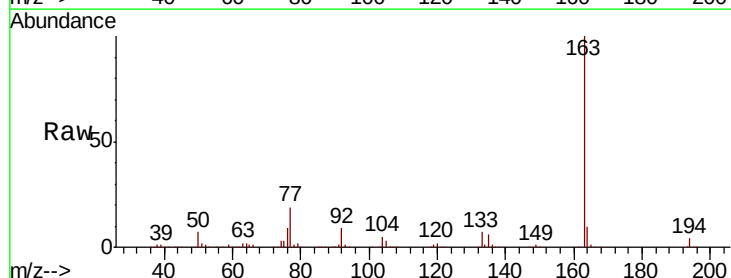
Delta R.T. 0.01 min

Lab File: BF118357.D

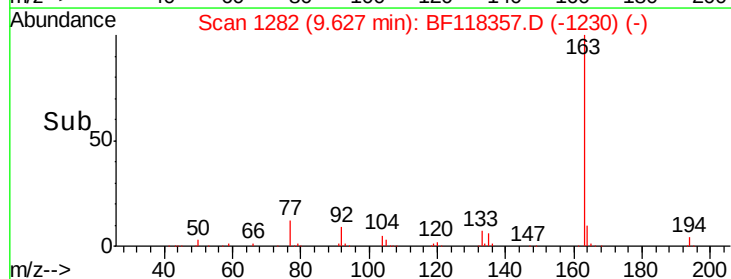
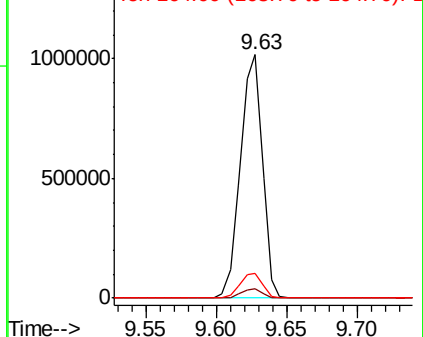
Acq: 28 Dec 2019 11:13

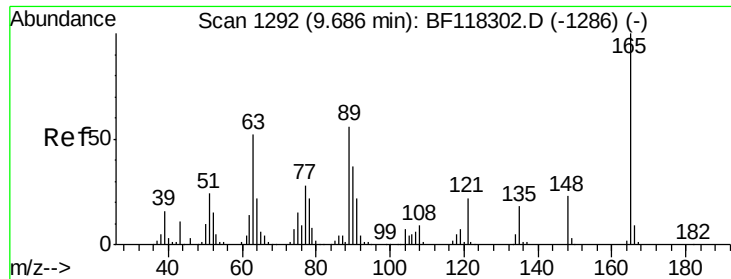
Tgt Ion:163 Resp: 1106494

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	7.9	11.9



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





#51

2,6-Dinitrotoluene

Concen: 38.096 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampled :

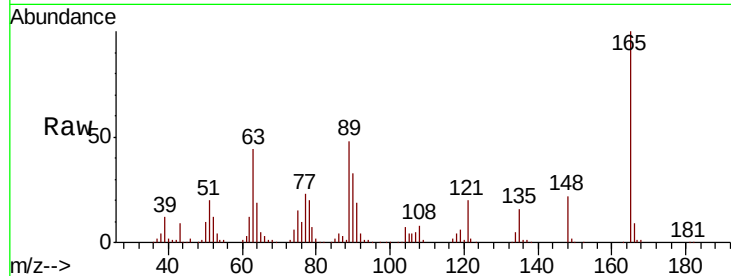
Tot Ion:165 Resp: 240527

Ion Ratio Lower Upper

165 100

63 43.6 42.2 63.4

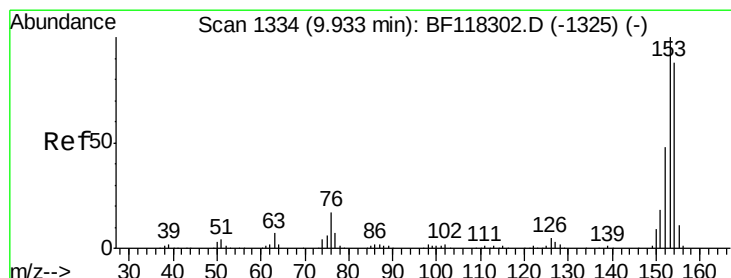
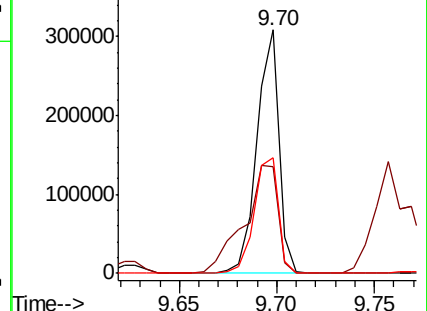
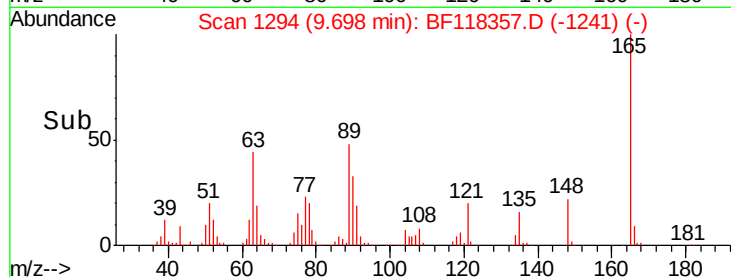
89 47.7 44.4 66.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 37.764 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

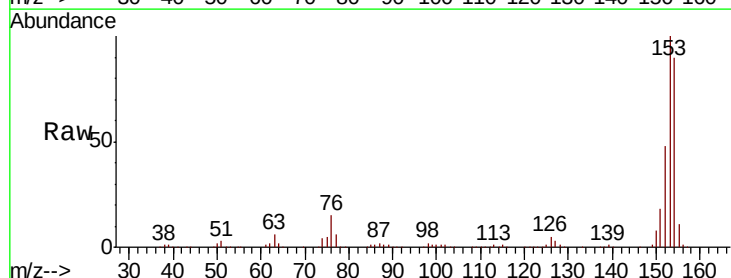
Tgt Ion:154 Resp: 847254

Ion Ratio Lower Upper

154 100

153 111.4 90.6 136.0

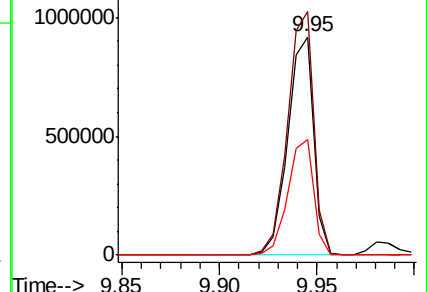
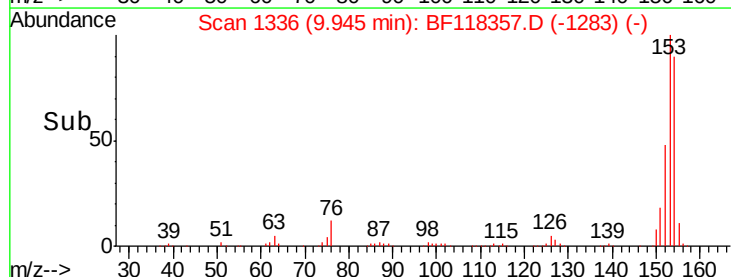
152 53.1 43.1 64.7

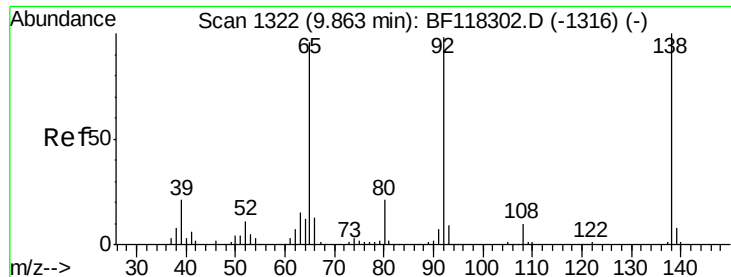


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

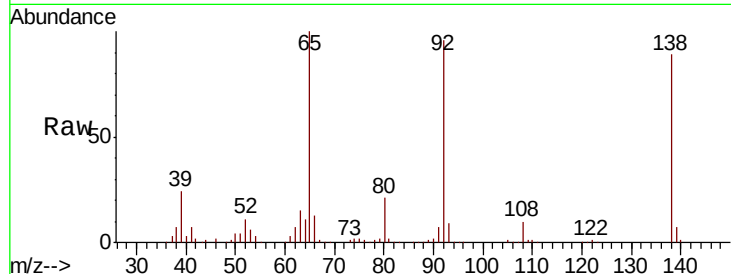




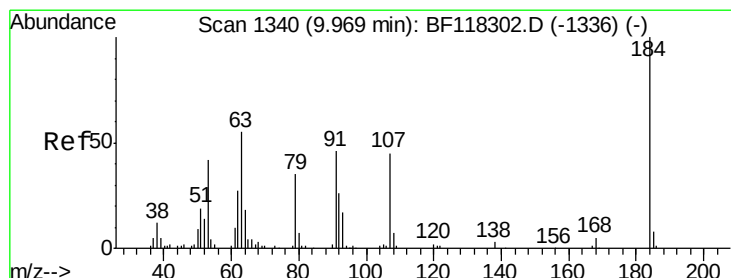
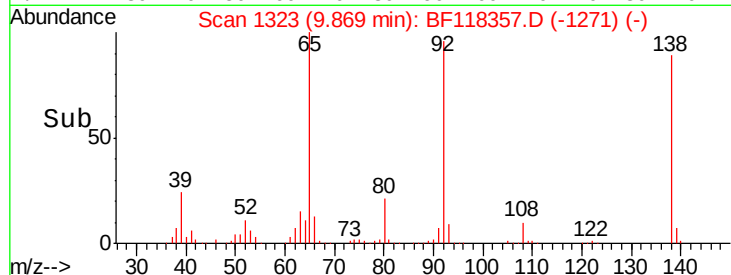
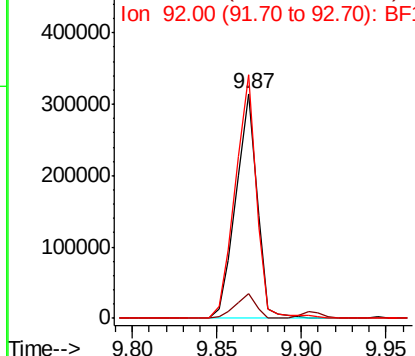
#53
3-Nitroaniline
Concen: 37.351 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 276785
Ion Ratio Lower Upper
138 100
108 10.9 7.8 11.8
92 108.3 78.2 117.2

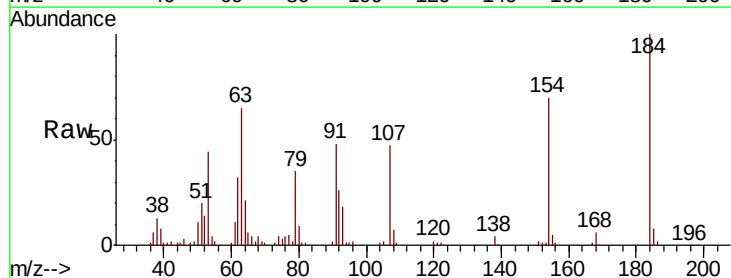


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

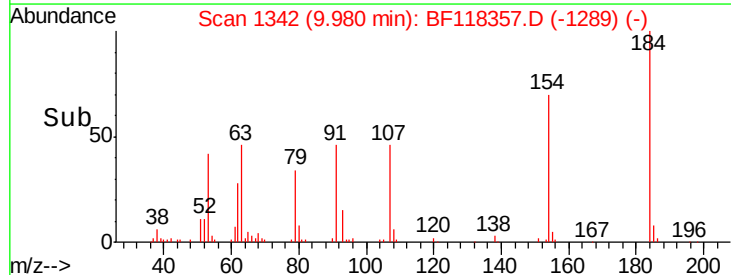
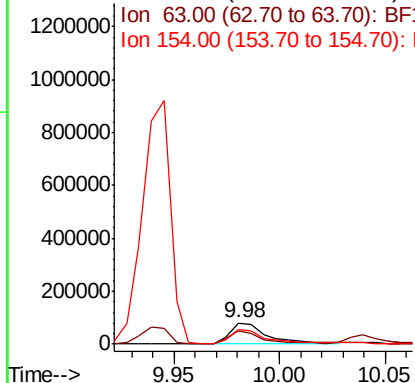


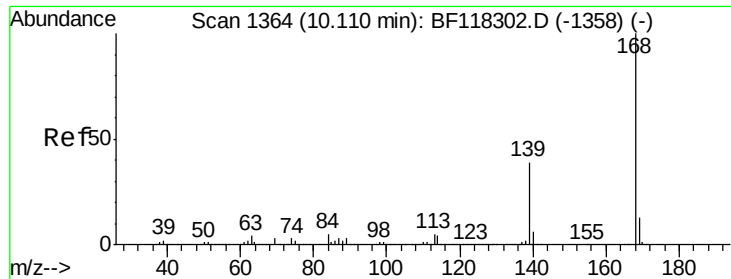
#54
2,4-Dinitrophenol
Concen: 34.106 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:184 Resp: 98449
Ion Ratio Lower Upper
184 100
63 65.3 48.8 73.2
154 70.1 55.0 82.4



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

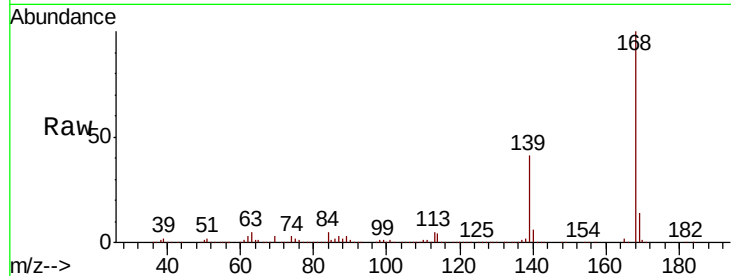




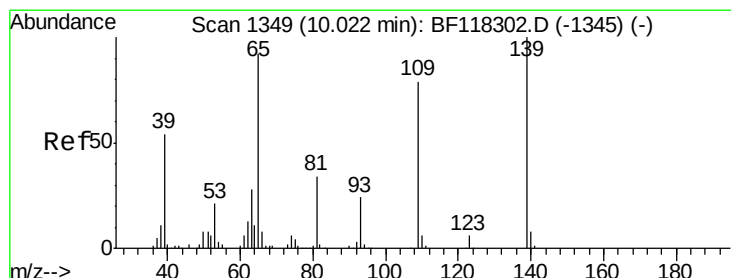
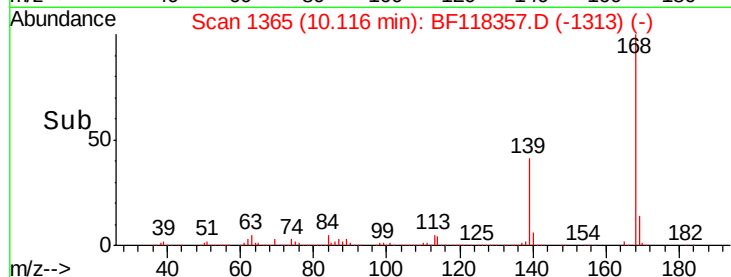
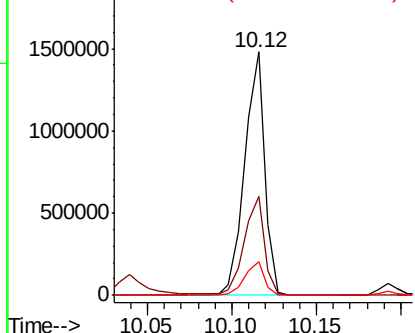
#55
Dibenzofuran
Concen: 37.115 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1230387
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 13.7 10.4 15.6

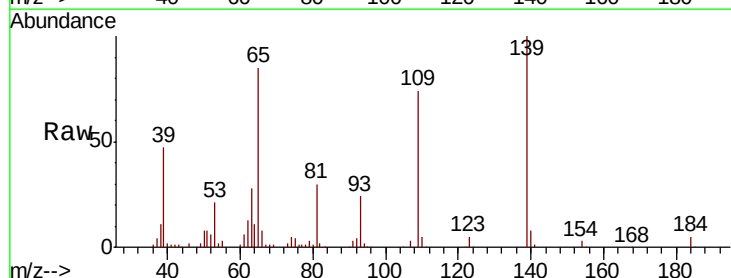


Abundance Ion 168.00 (167.70 to 168.70): E
2000000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

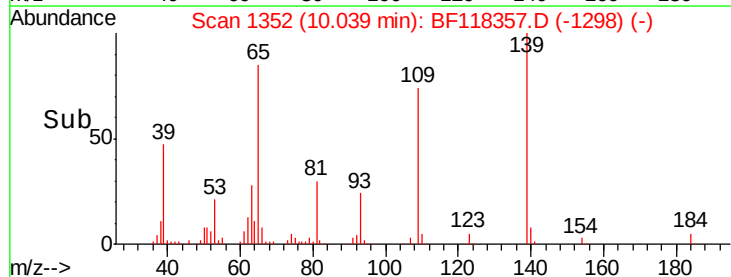
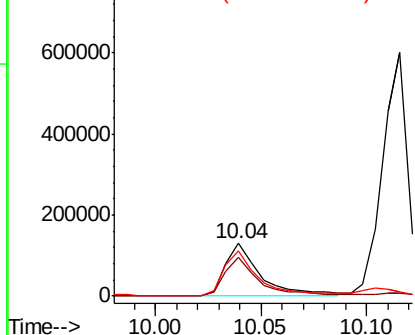


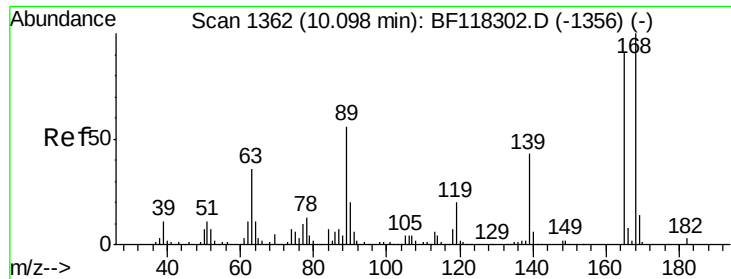
#56
4-Nitrophenol
Concen: 32.881 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:139 Resp: 150423
Ion Ratio Lower Upper
139 100
109 74.0 59.3 99.3
65 85.2 72.4 112.4



Abundance Ion 139.00 (138.70 to 139.70): E
800000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

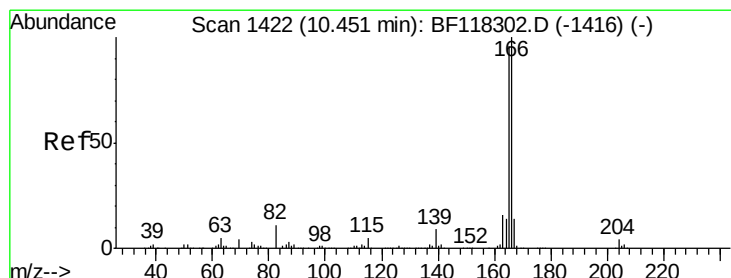
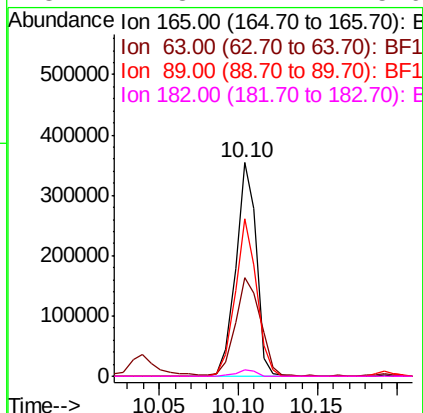
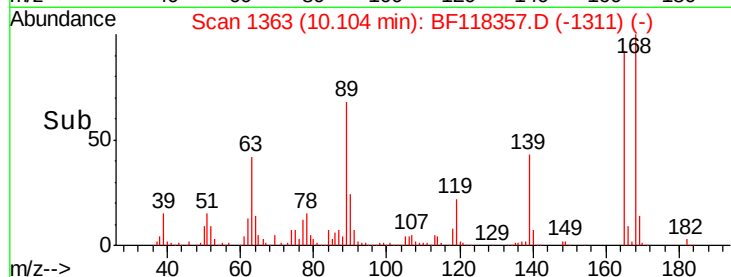
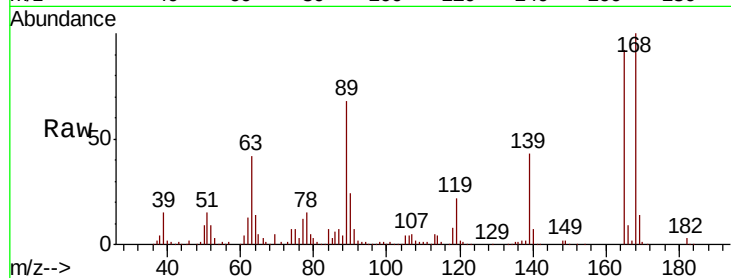




#57
 2,4-Dinitrotoluene
 Concen: 37.565 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

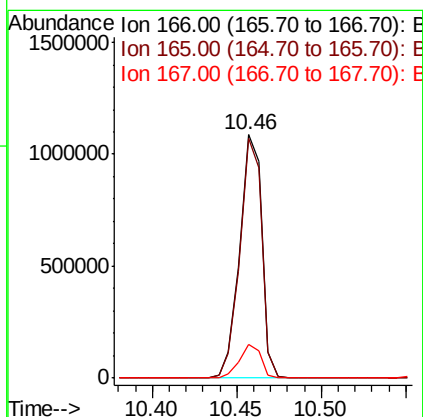
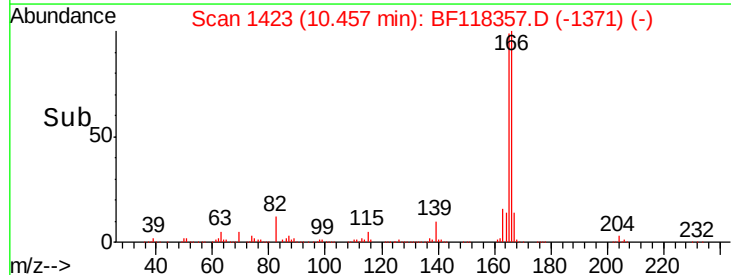
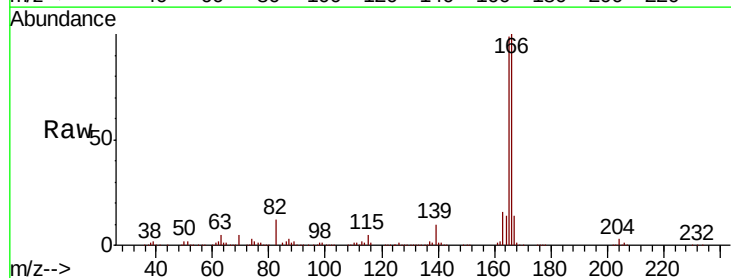
Instrument :
 BNA_F
 ClientSampleId :

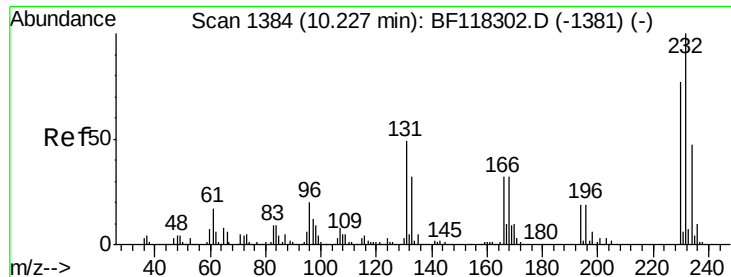
Tot Ion	Ratio	Lower	Upper
165	100		
63	45.9	32.0	48.0
89	73.6	49.3	73.9
182	2.8	2.4	3.6



#58
 Fluorene
 Concen: 37.216 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.0	115.4
167	13.9	10.9	16.3

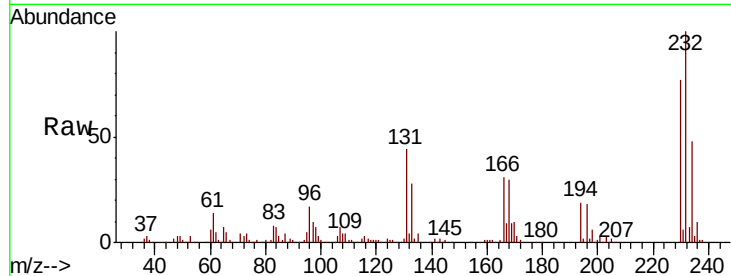




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.237 ng
RT: 10.24 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.0	37.7	56.5
130	2.3	2.0	3.0
166	32.5	24.7	37.1



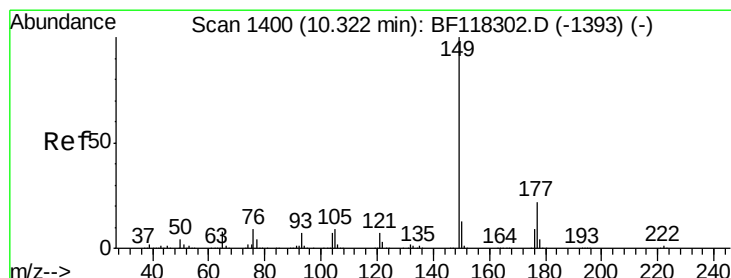
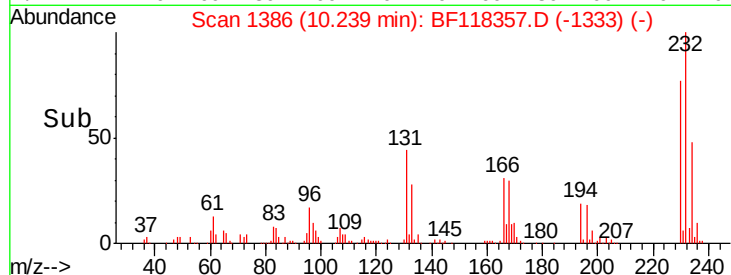
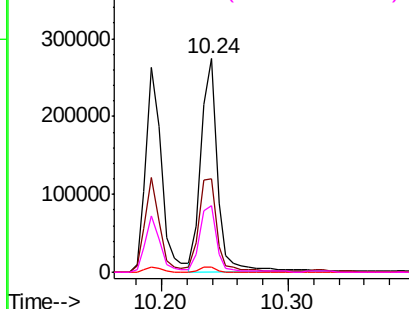
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

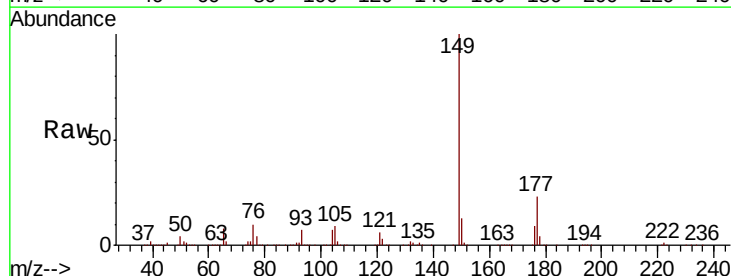
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 37.676 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.7	10.2	15.2

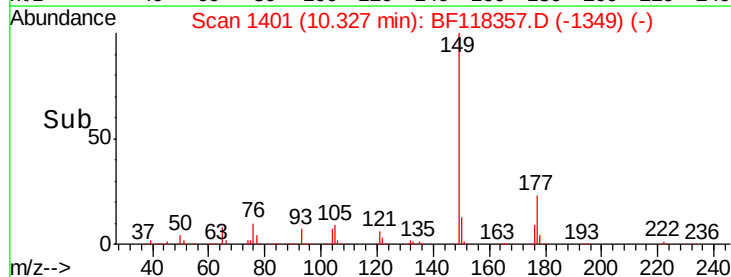
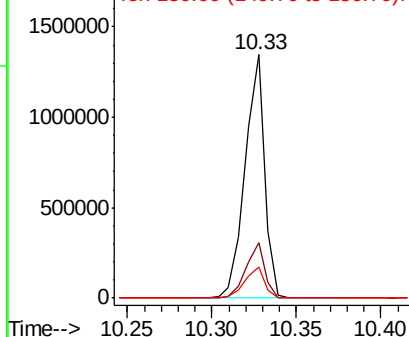


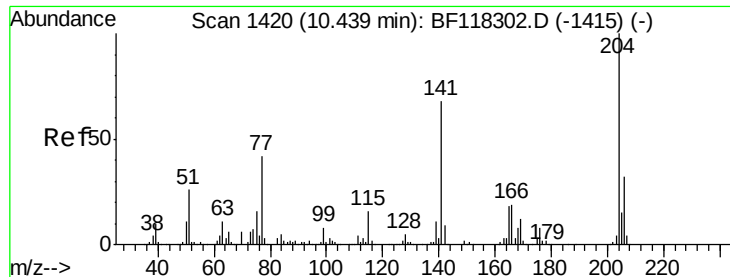
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

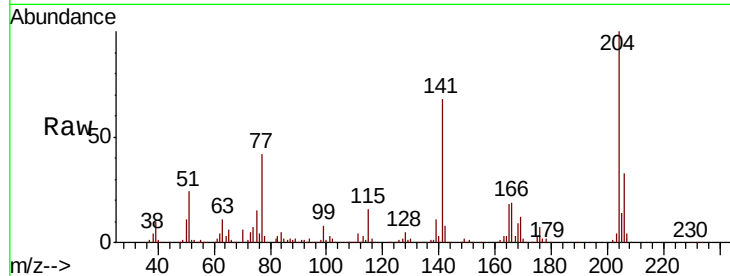




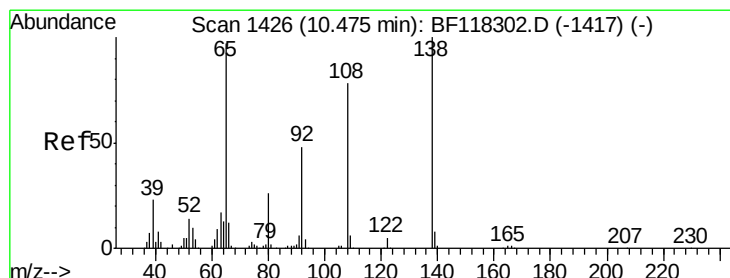
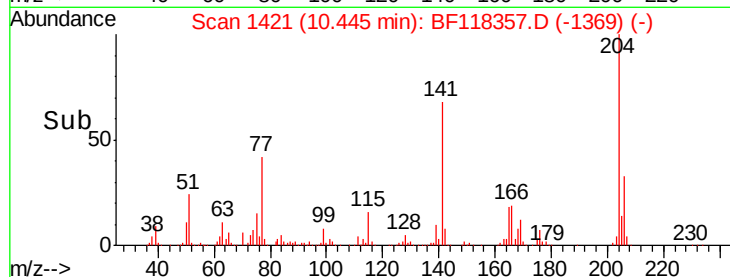
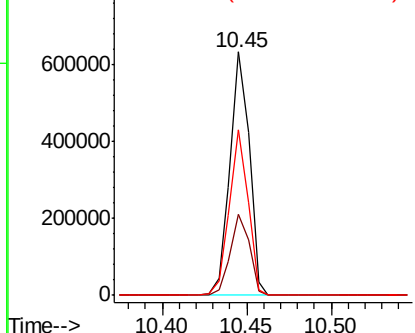
#61
4-Chlorophenyl-phenylether
Concen: 37.608 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 502412
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 68.2 54.2 81.4

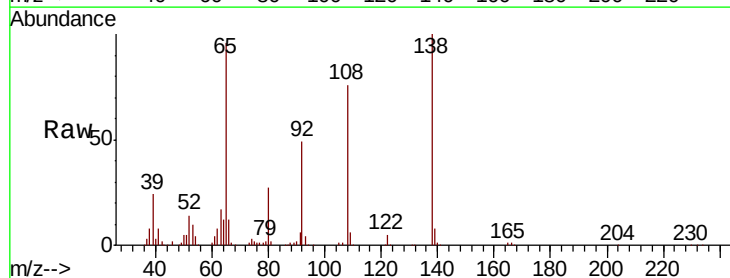


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

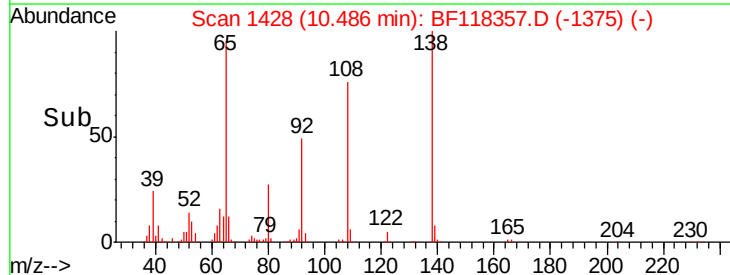
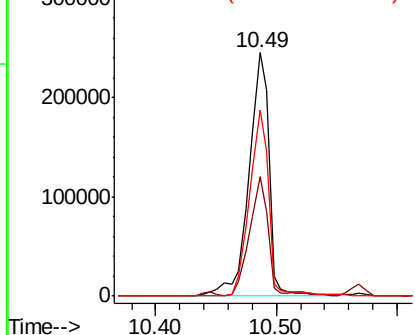


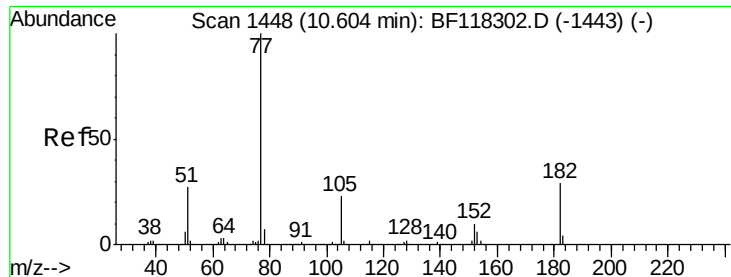
#62
4-Nitroaniline
Concen: 37.526 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:138 Resp: 288887
Ion Ratio Lower Upper
138 100
92 49.0 27.9 67.9
108 76.2 58.1 98.1



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





#63

Azobenzene

Concen: 37.241 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 924169

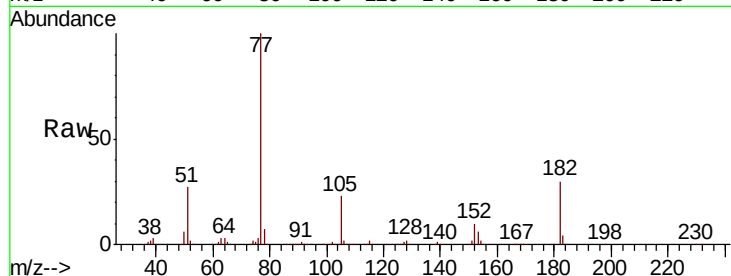
Ion Ratio Lower Upper

77 100

182 29.9 9.2 49.2

105 23.2 3.2 43.2

51 27.0 7.1 47.1

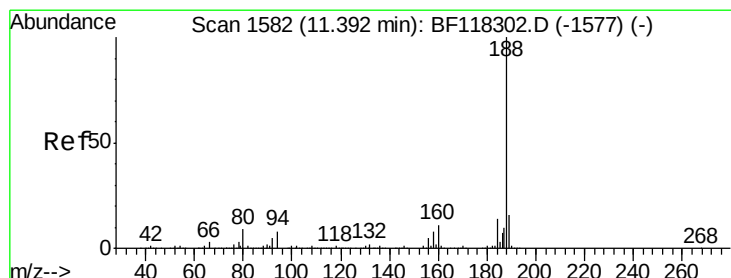
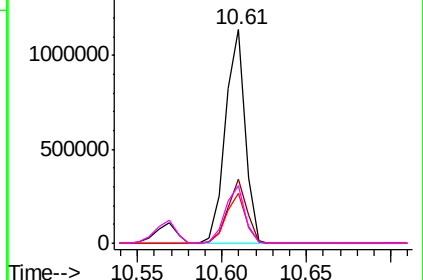
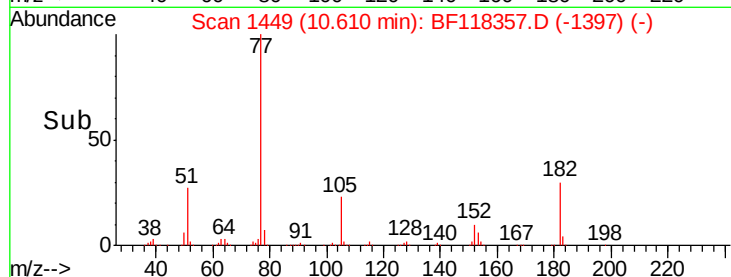


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

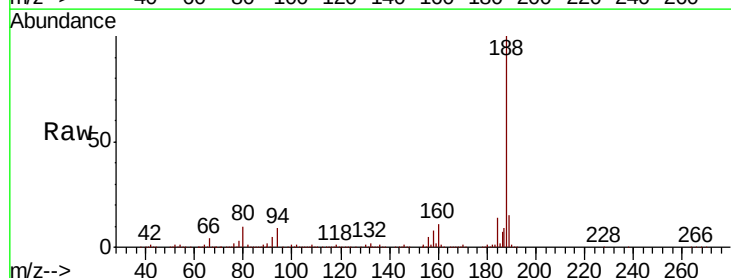
Tgt Ion: 188 Resp: 714539

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

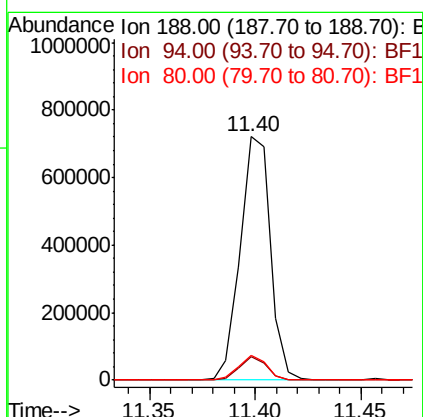
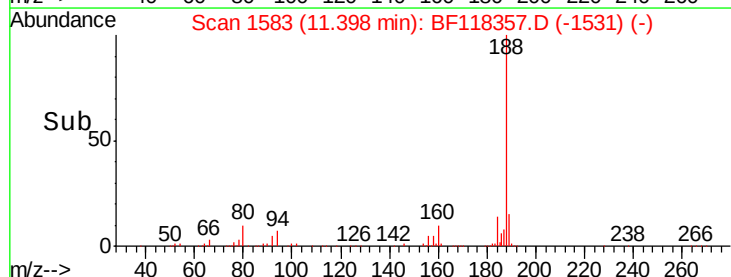
80 10.0 7.2 10.8

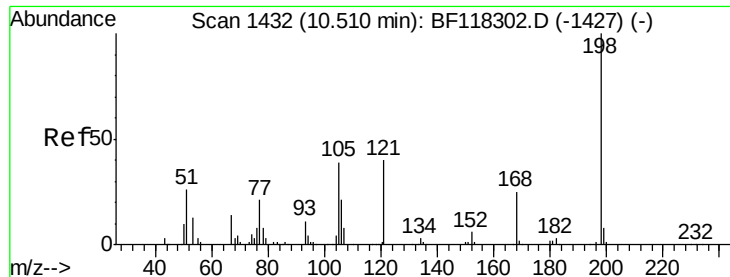


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

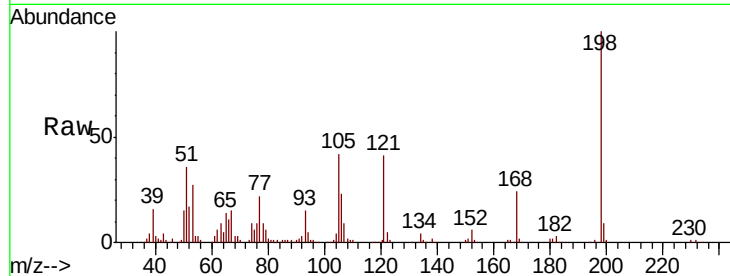




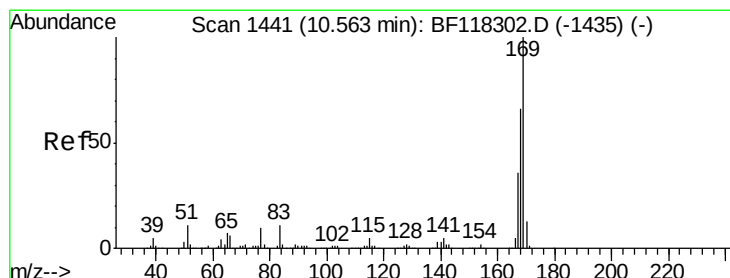
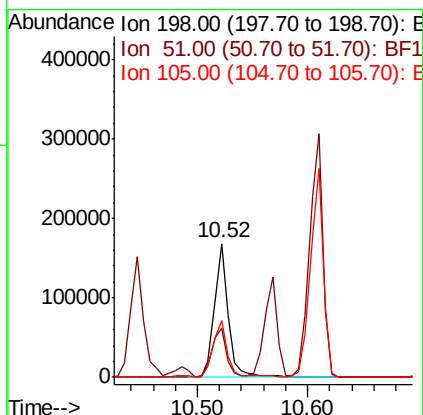
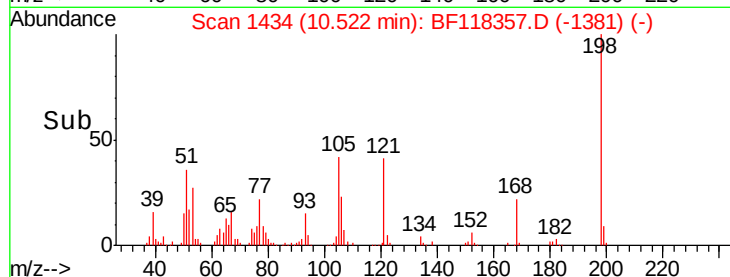
#65
4,6-Dinitro-2-methylphenol
Concen: 38.083 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 146799
Ion Ratio Lower Upper
198 100
51 36.2 12.8 52.8
105 42.0 20.3 60.3

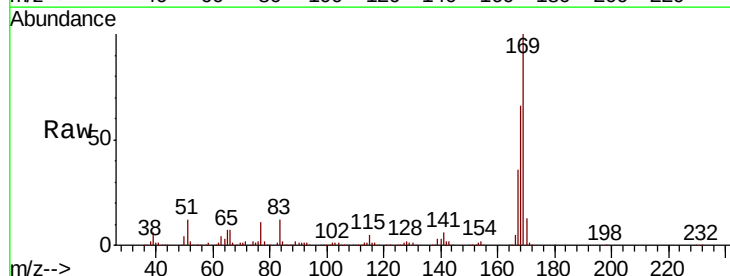


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

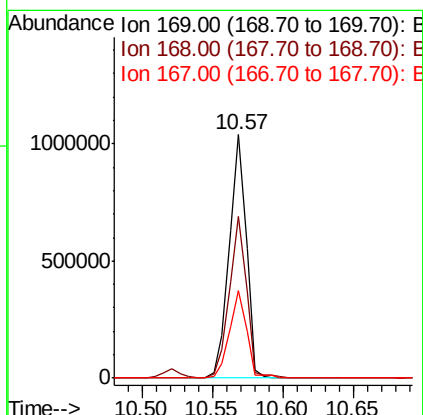
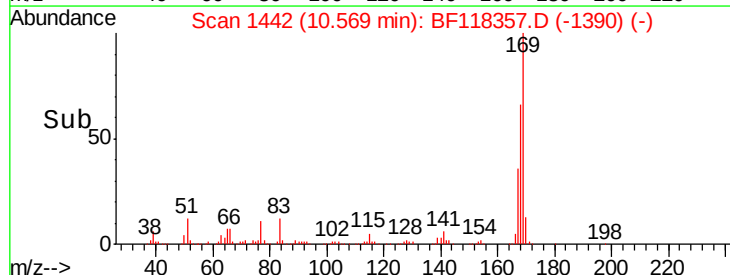


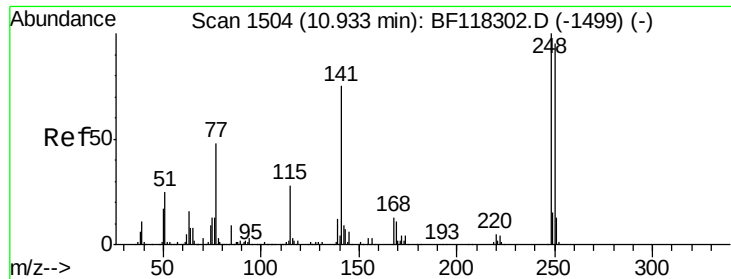
#66
n-Nitrosodiphenylamine
Concen: 38.135 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:169 Resp: 873331
Ion Ratio Lower Upper
169 100
168 66.3 52.6 79.0
167 36.1 28.4 42.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

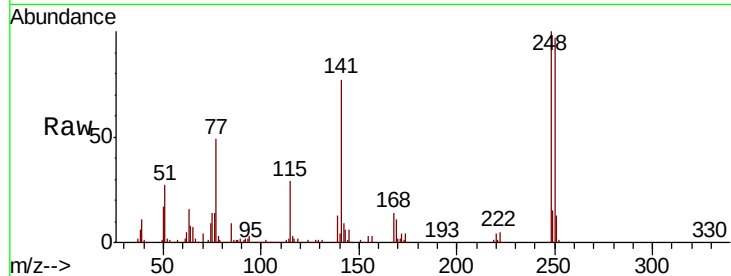




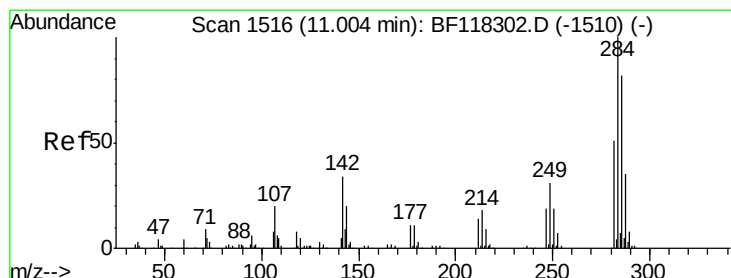
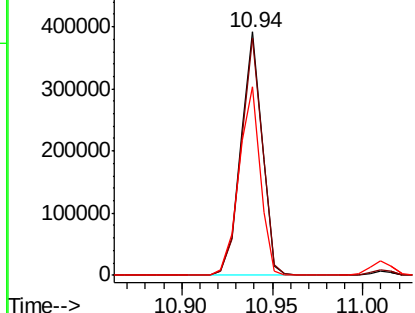
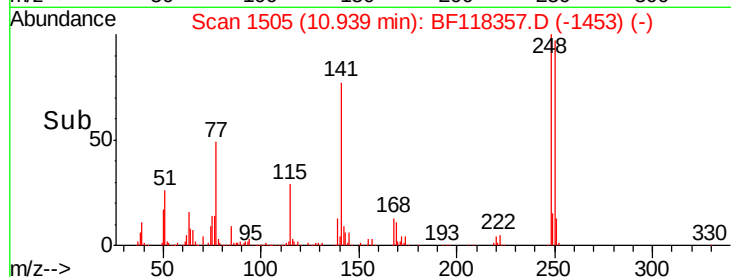
#67
 4-Bromophenyl-phenylether
 Concen: 37.986 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 317642
 Ion Ratio Lower Upper
 248 100
 250 97.3 76.4 114.6
 141 77.4 60.2 90.2

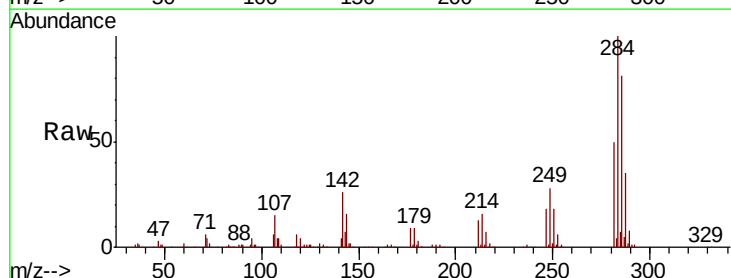


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

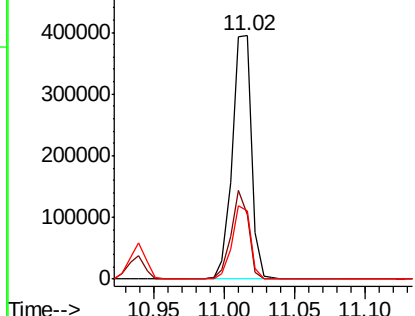
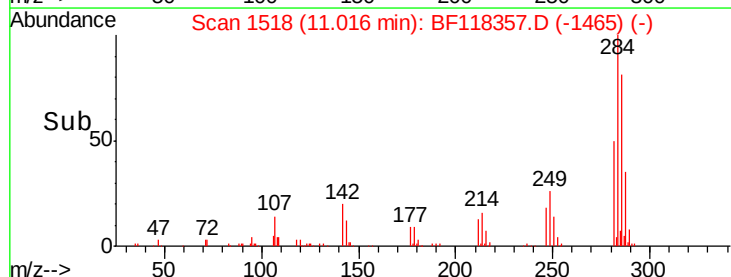


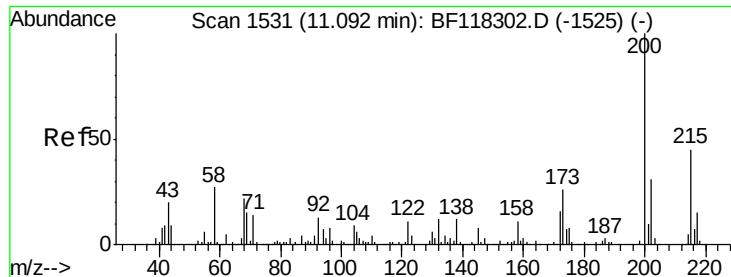
#68
 Hexachlorobenzene
 Concen: 38.082 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion:284 Resp: 374836
 Ion Ratio Lower Upper
 284 100
 142 26.4 27.3 40.9#
 249 27.9 25.0 37.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

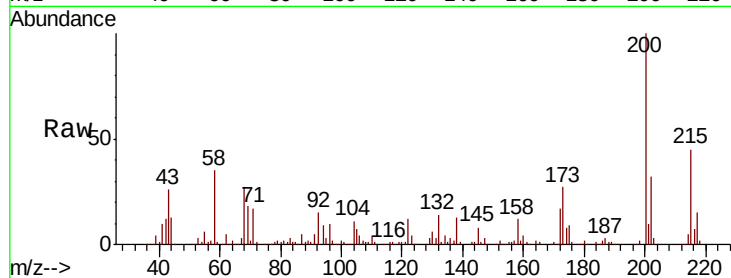




#69
 Atrazine
 Concen: 39.033 ng
 RT: 11.10 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.1	5.8	45.8
215	45.1	25.1	65.1

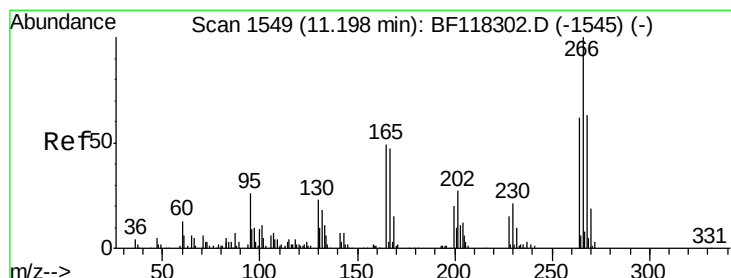
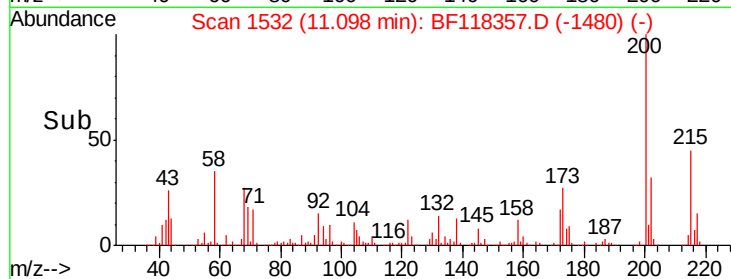
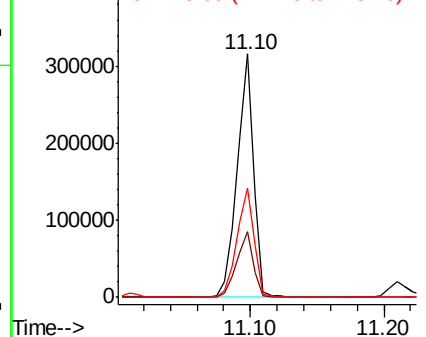


Abundance

Ion 200.00 (199.70 to 200.70): E

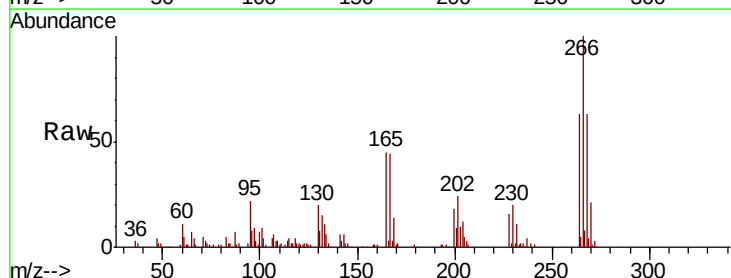
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 32.008 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	76.0
264	62.5	49.9	74.9

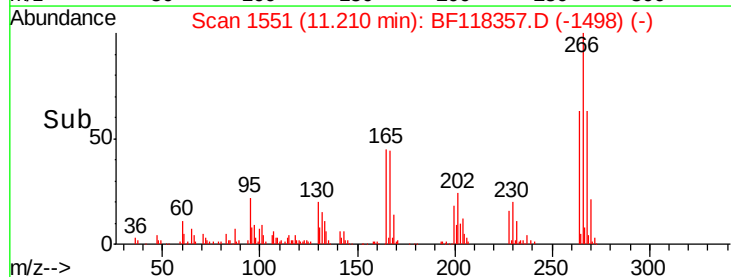
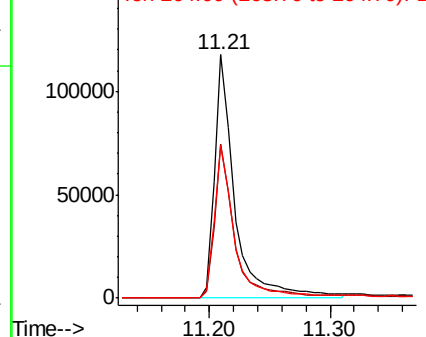


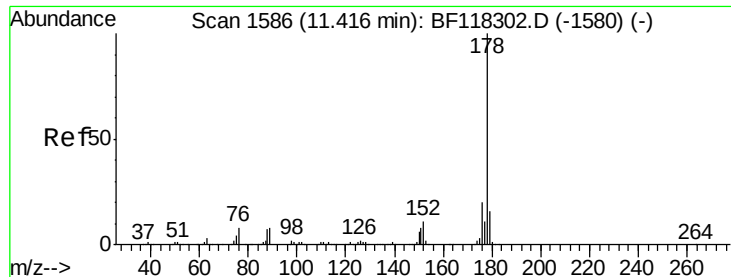
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

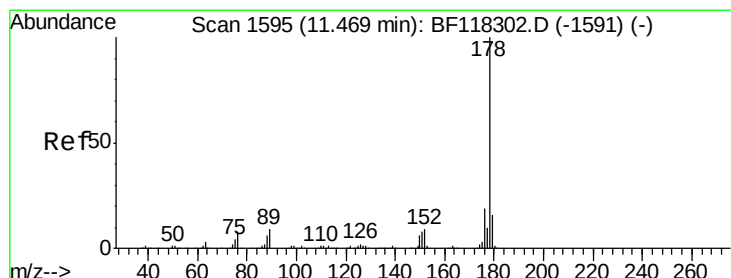
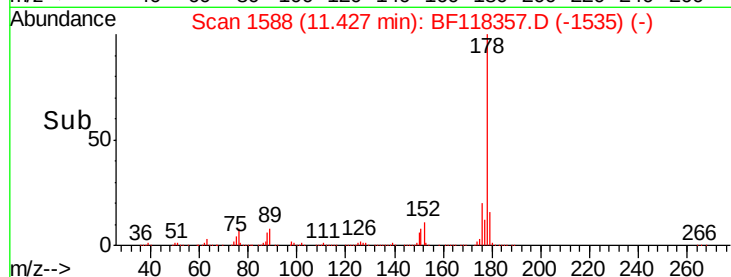
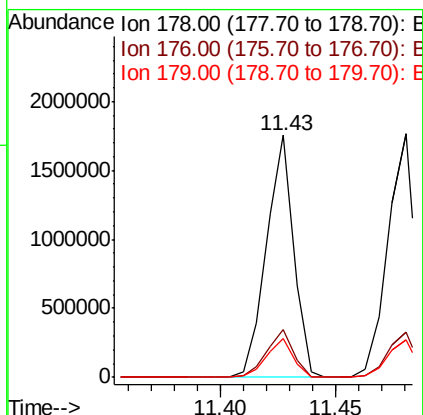
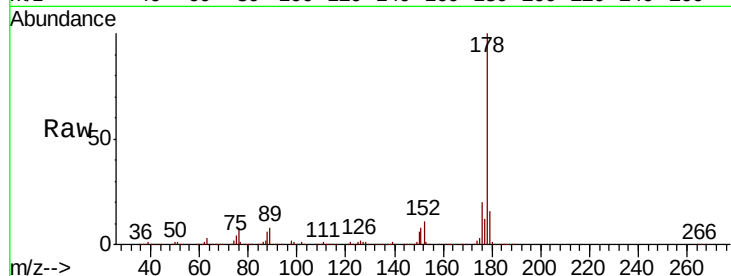




#71
Phenanthrene
Concen: 37.192 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

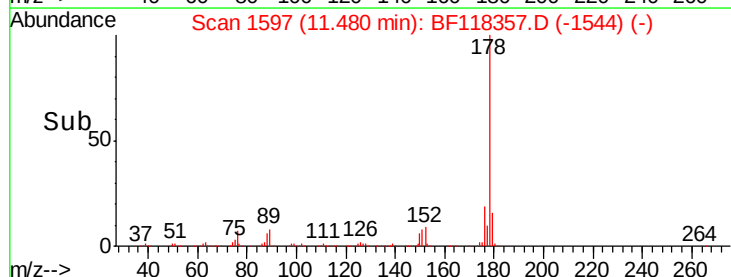
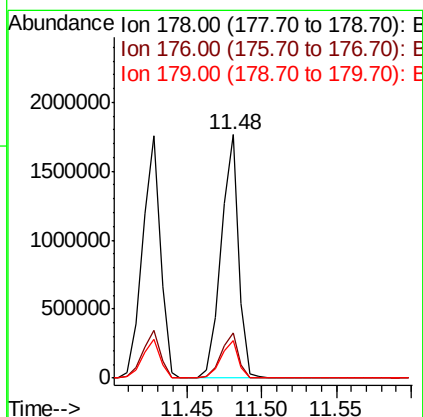
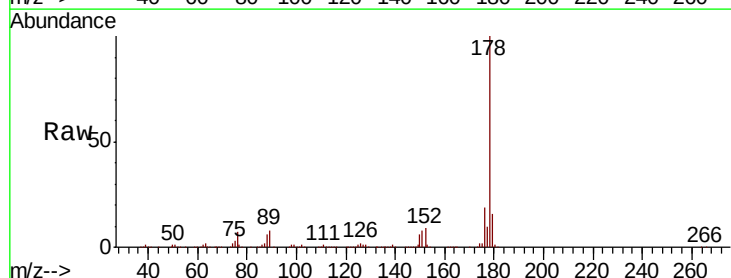
Instrument :
BNA_F
ClientSampleId :

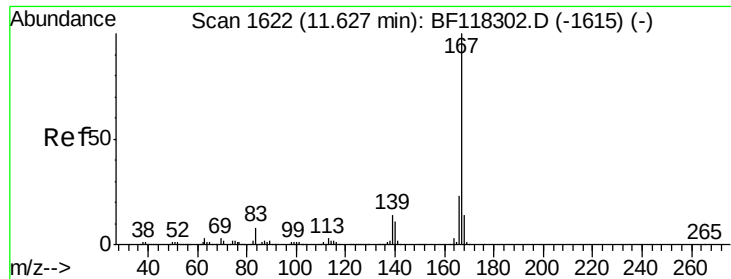
Tot Ion:178 Resp: 1448735
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.1 12.6 19.0



#72
Anthracene
Concen: 37.505 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:178 Resp: 1462294
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.7 12.9 19.3



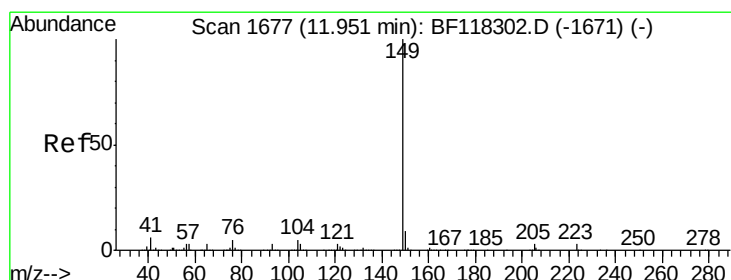
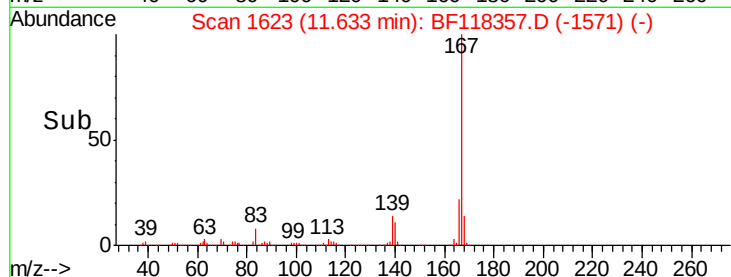
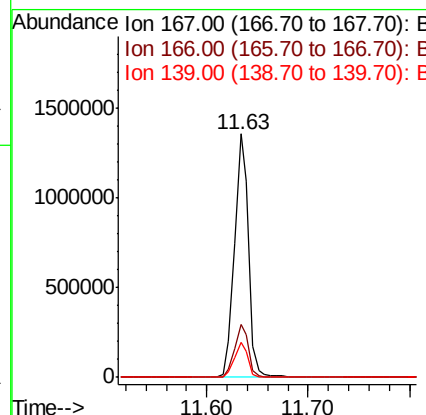
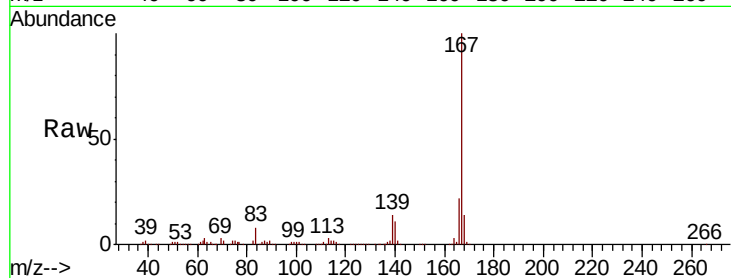


#73
 Carbazole
 Concen: 37.684 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 1303765

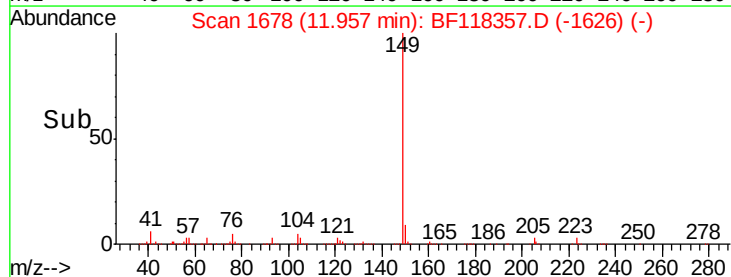
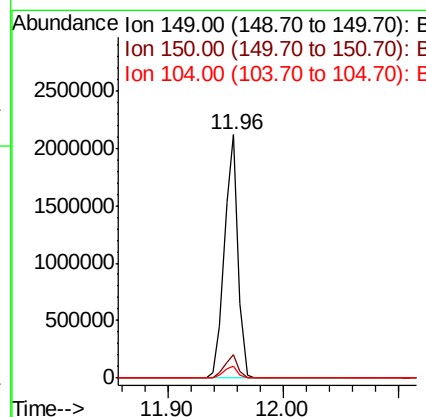
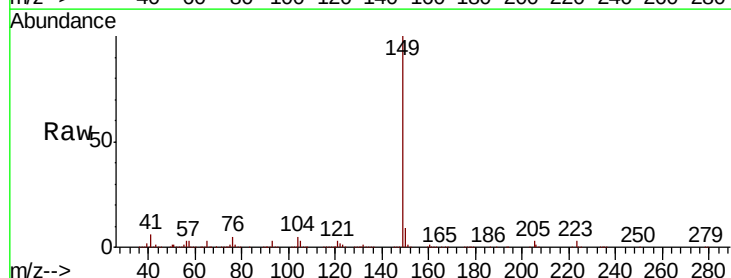
Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	14.2	11.5	17.3

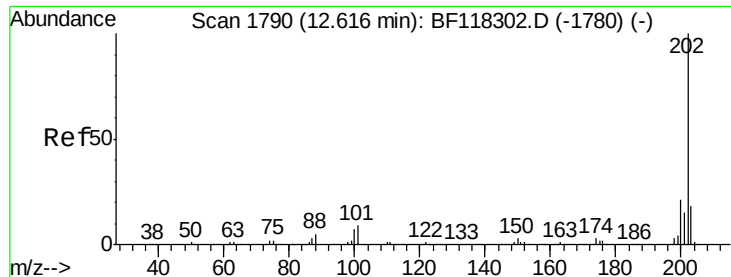


#74
 Di-n-butylphthalate
 Concen: 38.926 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion:149 Resp: 1707584

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.0	4.0	6.0

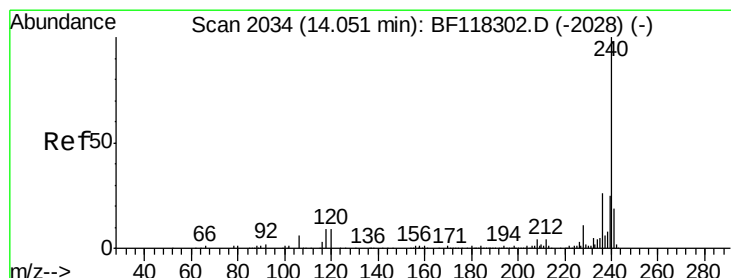
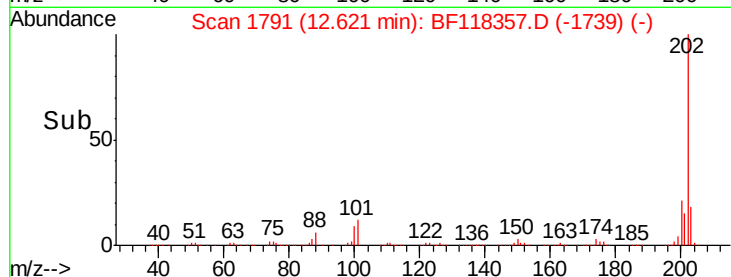
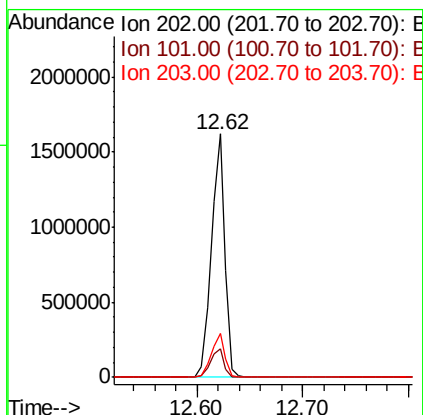
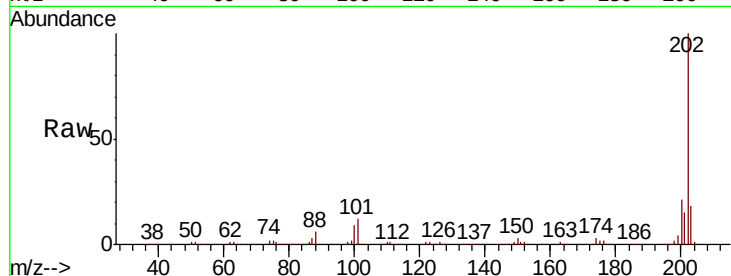




#75
 Fluoranthene
 Concen: 37.170 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

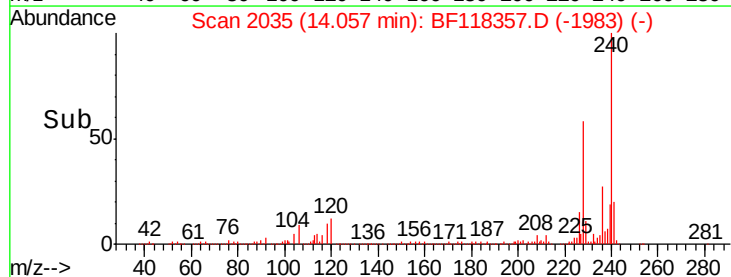
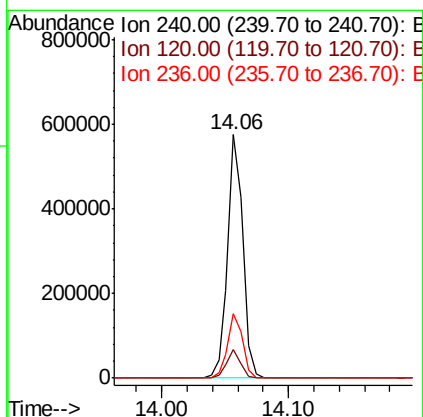
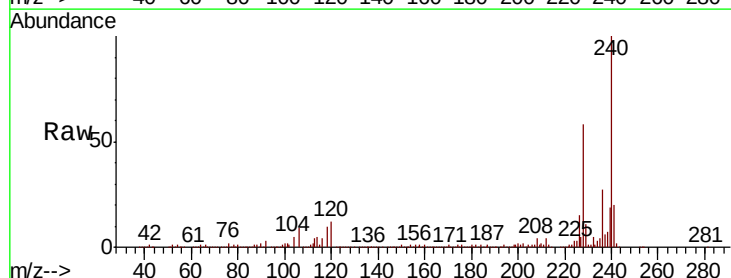
Instrument :
 BNA_F
 ClientSampleId :

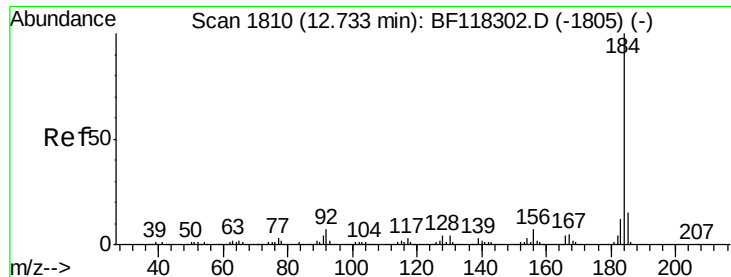
Tot Ion:202 Resp: 1461212
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 29.5
 203 18.1 0.0 37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF118357.D
 Acq: 28 Dec 2019 11:13

Tgt Ion:240 Resp: 478406
 Ion Ratio Lower Upper
 240 100
 120 11.8 7.1 10.7#
 236 26.6 21.0 31.6





#77

Benzidine

Concen: 44.173 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

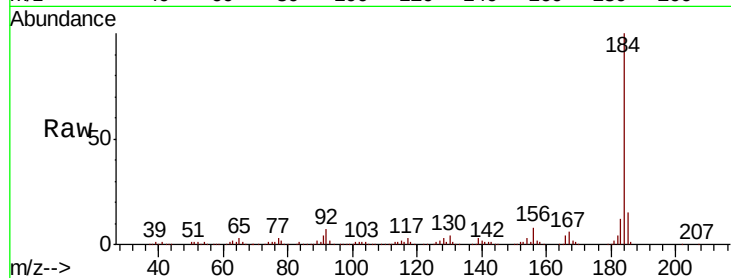
Tot Ion:184 Resp: 579050

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.3	18.5
183	12.1	9.4	14.2

184 100

185 15.0 12.3 18.5

183 12.1 9.4 14.2

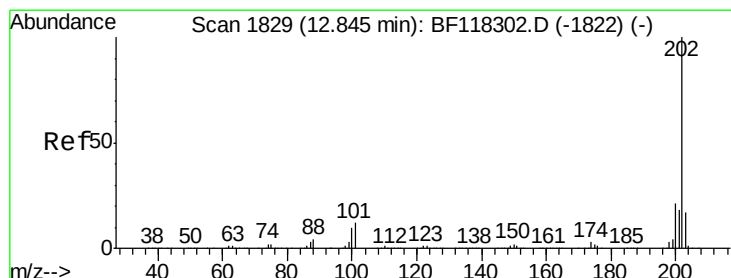
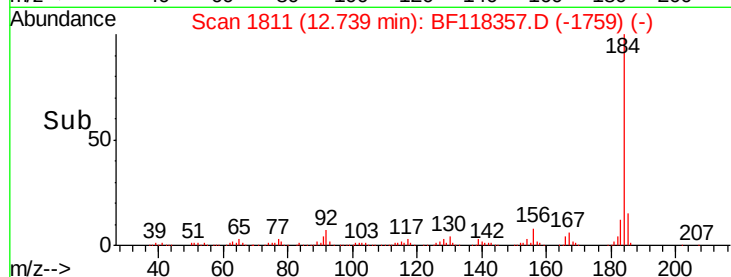
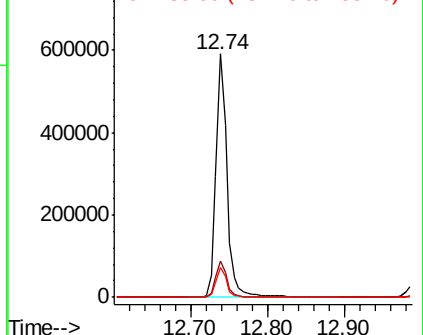


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.706 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

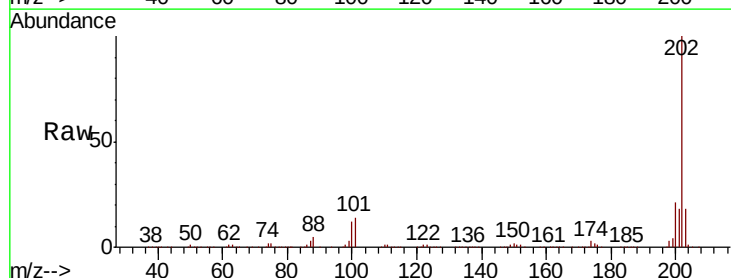
Tgt Ion:202 Resp: 1473079

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.0	13.9	20.9

202 100

200 21.2 16.8 25.2

203 18.0 13.9 20.9

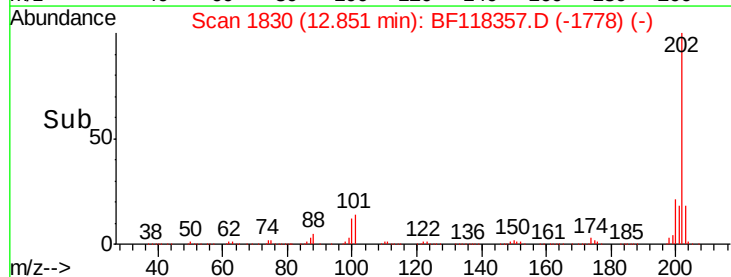
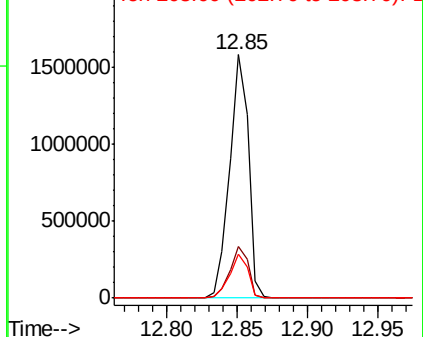


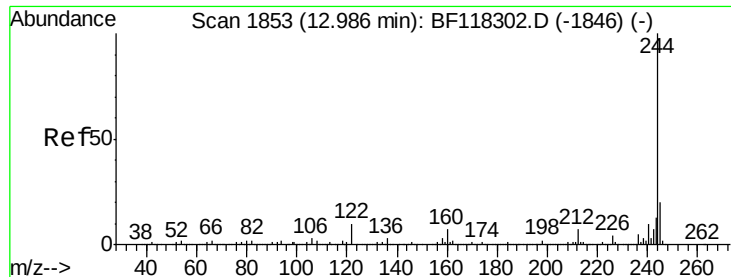
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.870 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

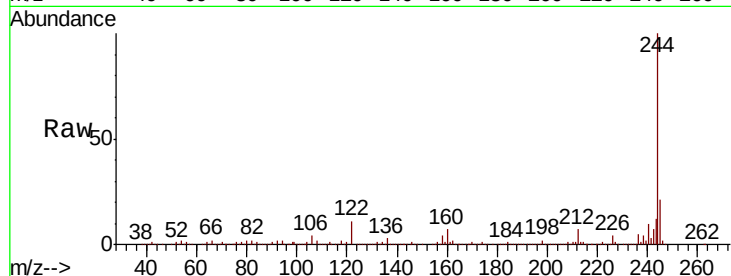
Tot Ion:244 Resp: 2159002

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

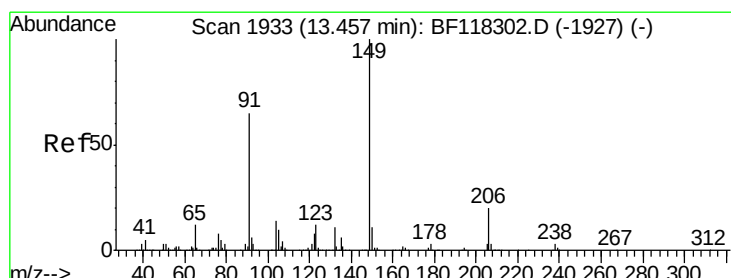
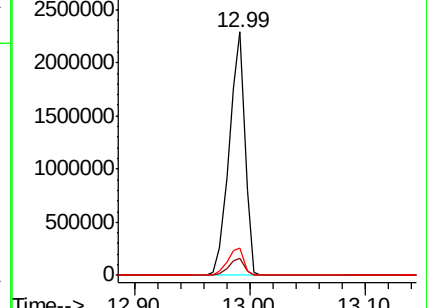
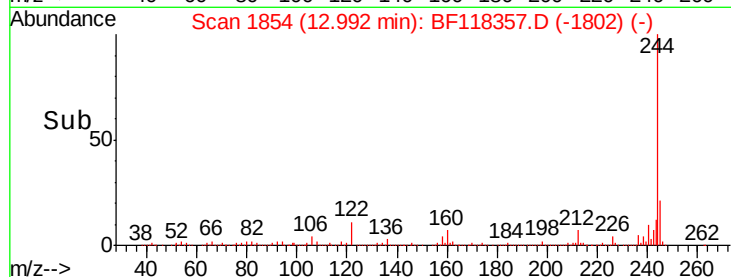
122 11.2 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.580 ng

RT: 13.46 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

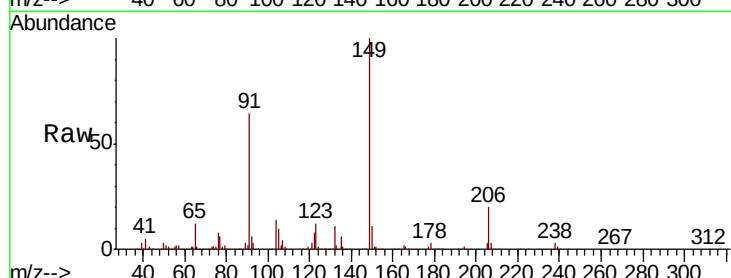
Tgt Ion:149 Resp: 713821

Ion Ratio Lower Upper

149 100

91 63.9 51.8 77.6

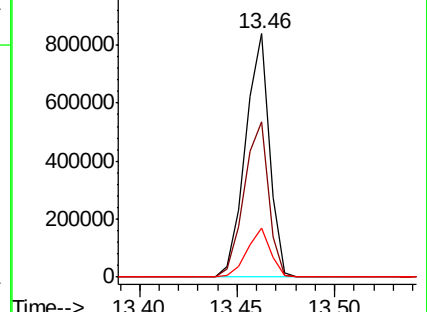
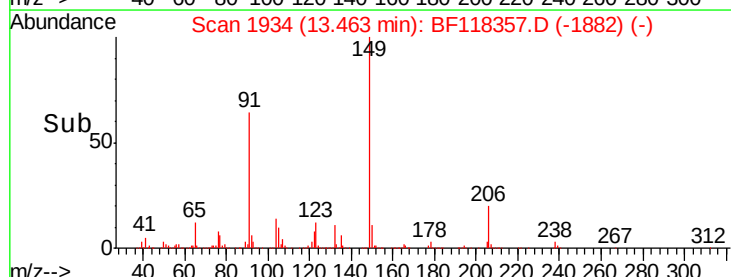
206 20.0 15.7 23.5

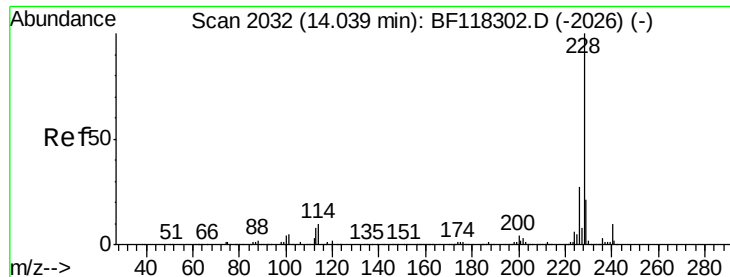


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 37.937 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

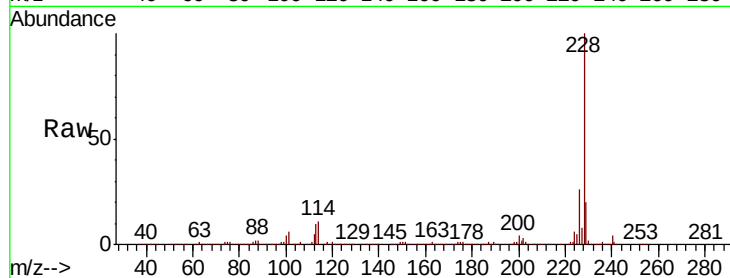
Tot Ion:228 Resp: 1270390

Ion Ratio Lower Upper

228 100

226 26.3 22.0 33.0

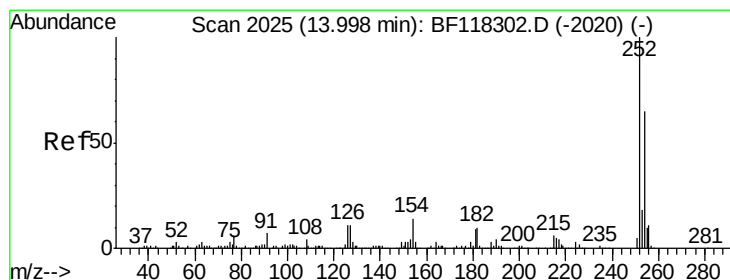
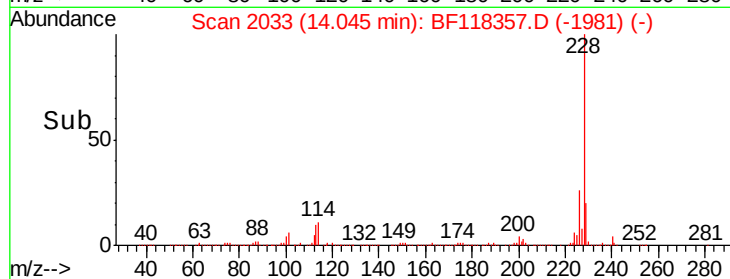
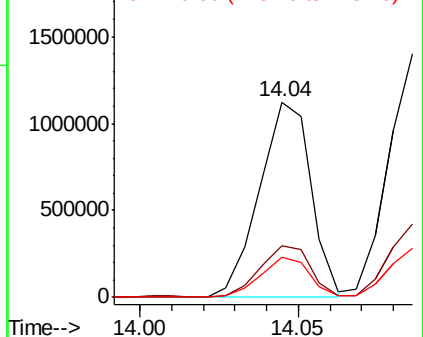
229 20.3 16.6 24.8



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: 39.103 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

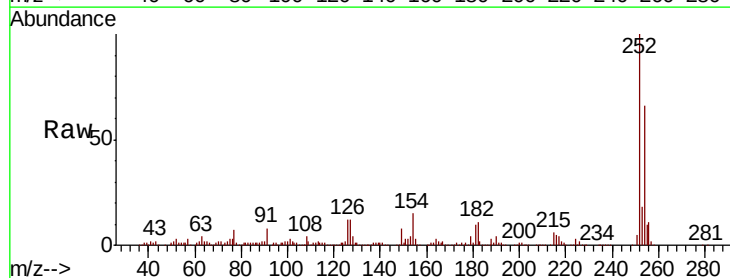
Tgt Ion:252 Resp: 443978

Ion Ratio Lower Upper

252 100

254 65.7 51.8 77.8

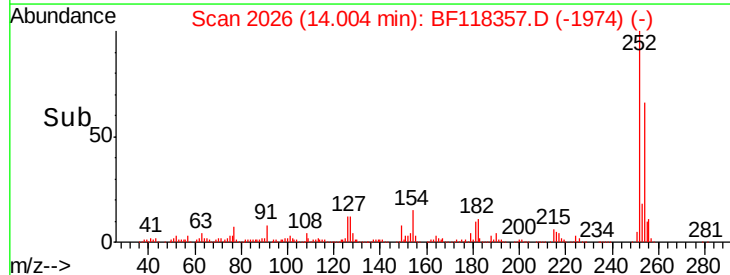
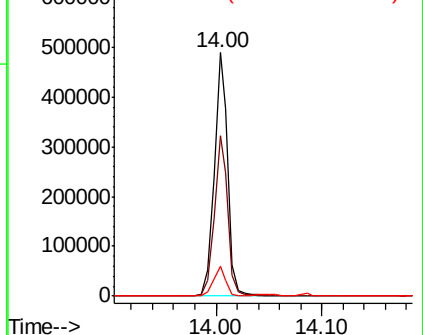
126 12.0 8.7 13.1

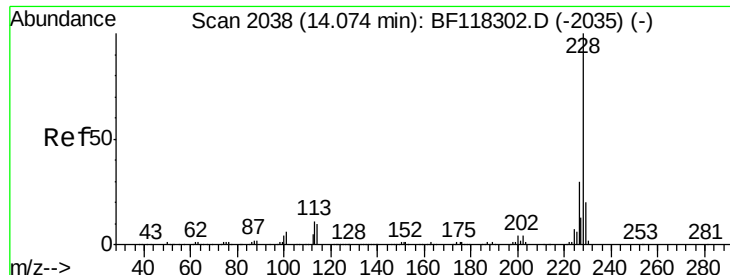


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 36.840 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

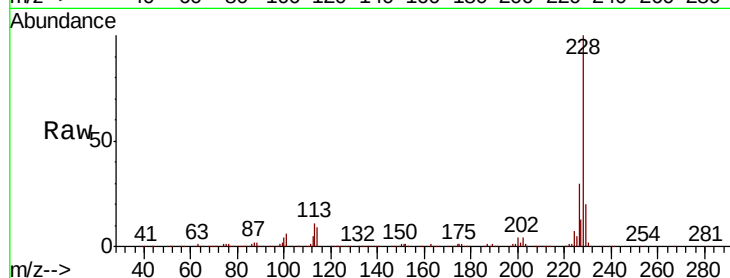
Tot Ion:228 Resp: 1181273

Ion Ratio Lower Upper

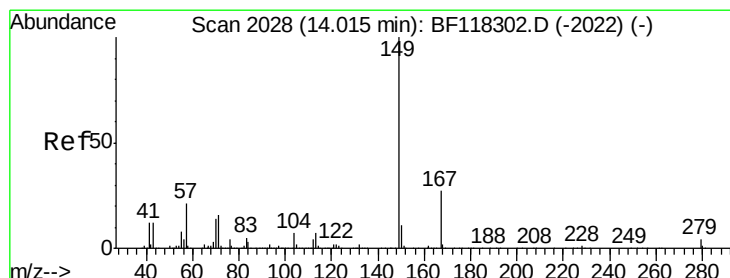
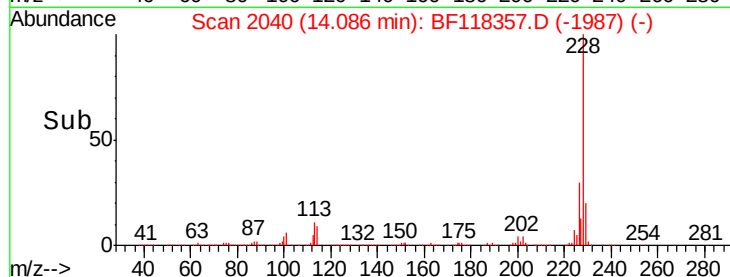
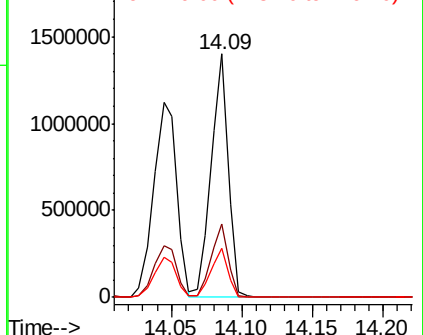
228 100

226 30.2 23.9 35.9

229 20.2 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.396 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

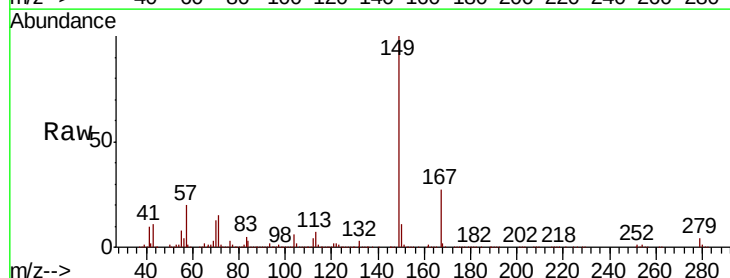
Tgt Ion:149 Resp: 957480

Ion Ratio Lower Upper

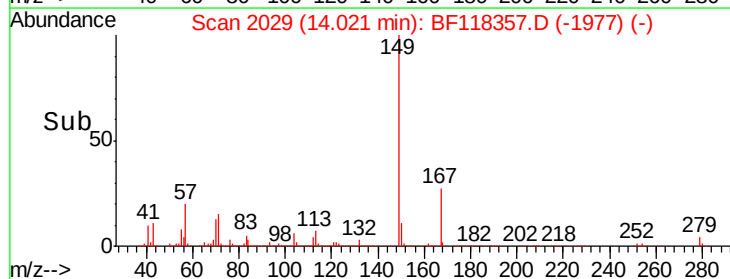
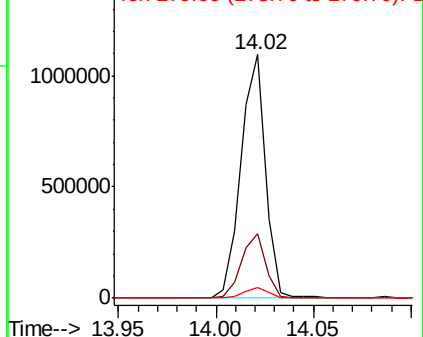
149 100

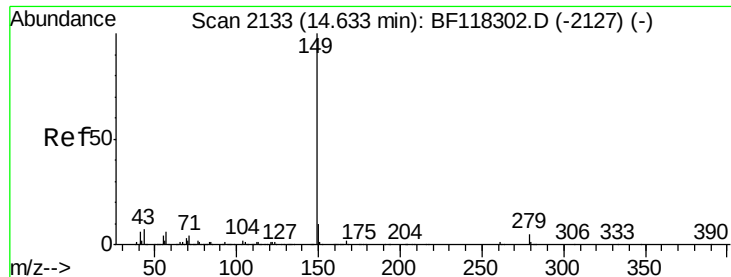
167 26.5 21.3 31.9

279 4.3 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

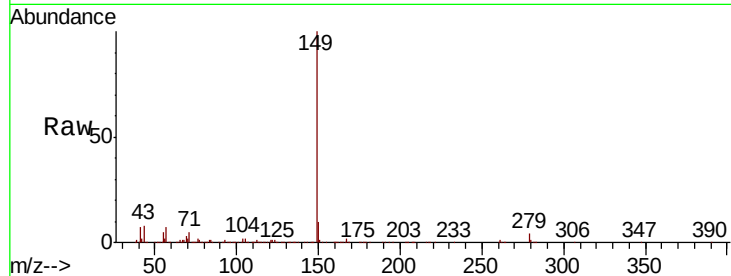




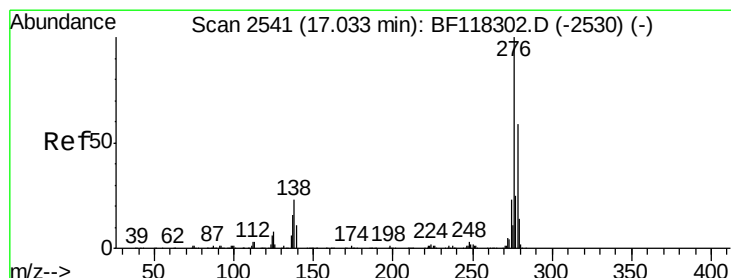
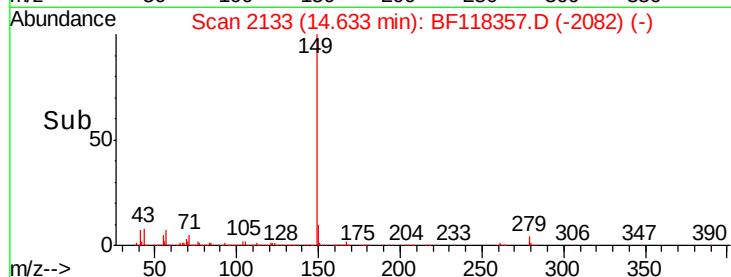
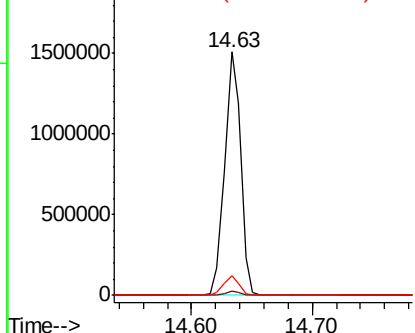
#85
Di-n-octyl phthalate
Concen: 40.678 ng
RT: 14.63 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1384000
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 7.7 6.1 9.1

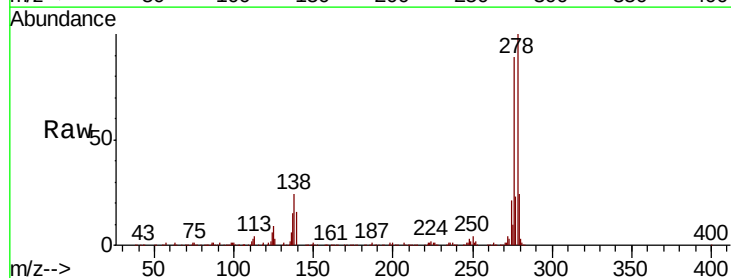


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

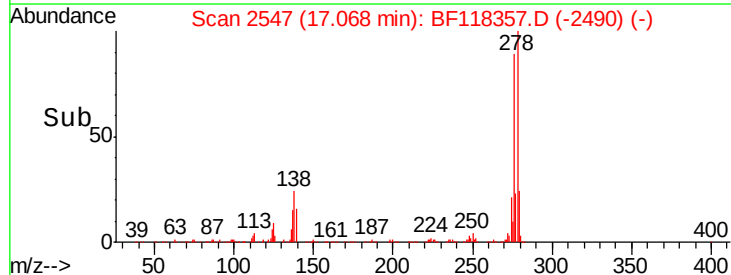
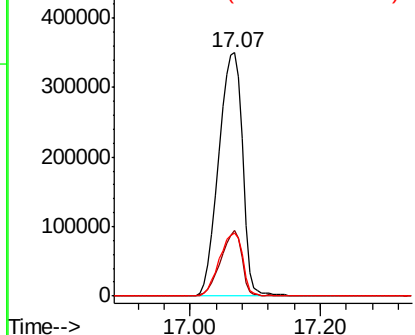


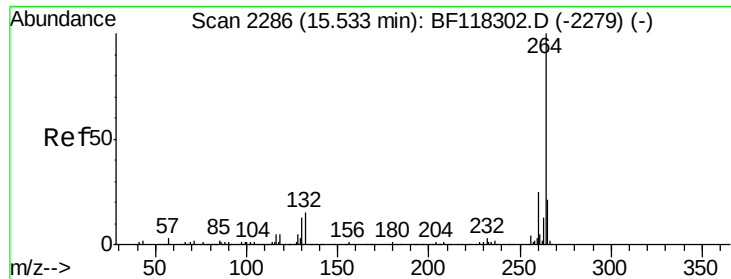
#86
Indeno(1,2,3-cd)pyrene
Concen: 32.687 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.04 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:276 Resp: 893036
Ion Ratio Lower Upper
276 100
138 24.0 19.5 29.3
277 25.3 20.6 30.8



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

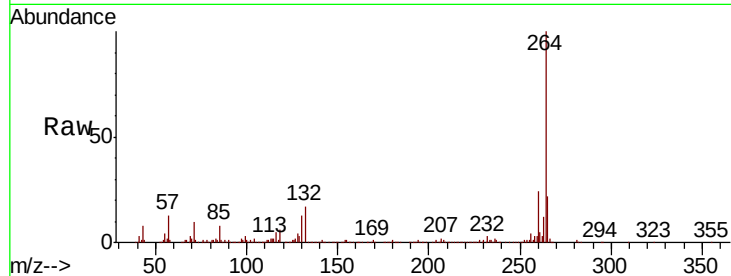
Tot Ion:264 Resp: 389205

Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.6

265 21.7 17.0 25.4

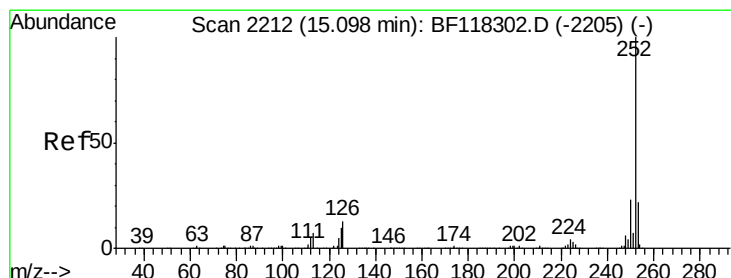
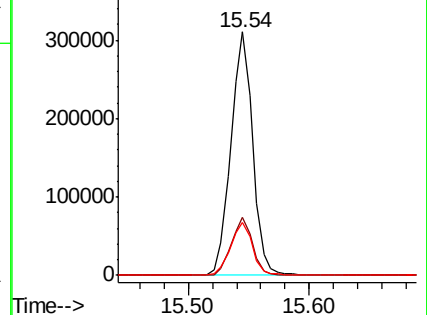
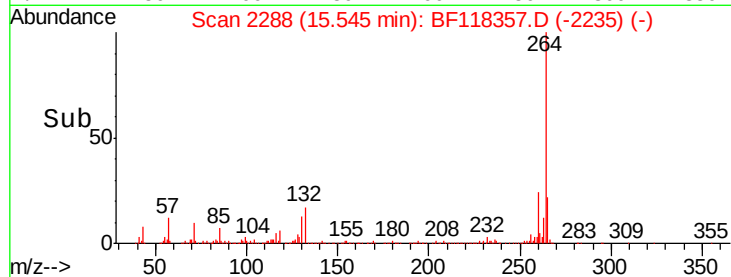


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 37.925 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

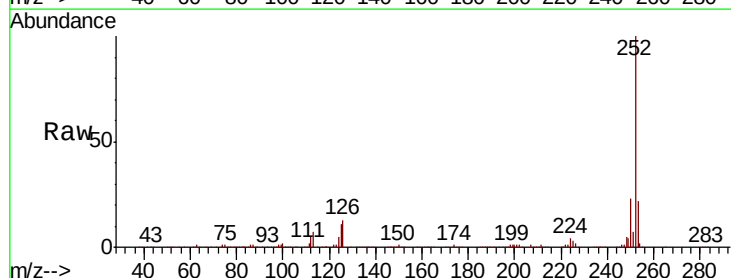
Tgt Ion:252 Resp: 979810

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.5 7.7 11.5

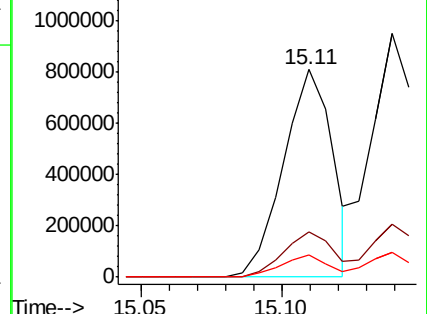
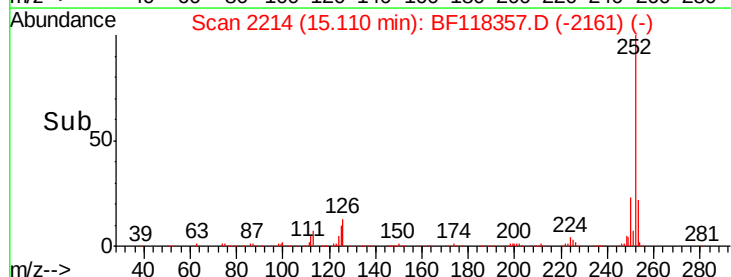


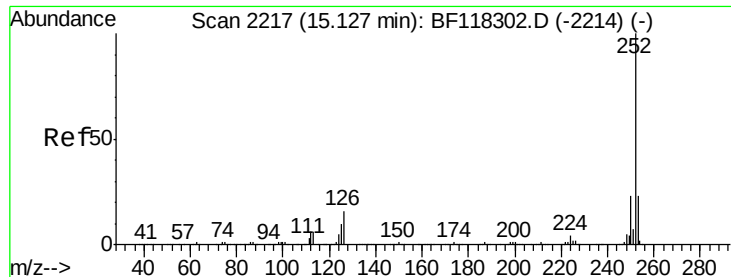
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

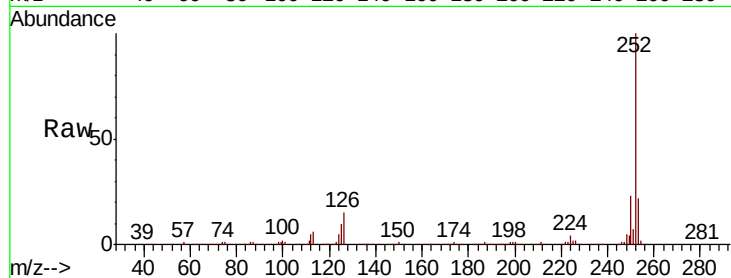




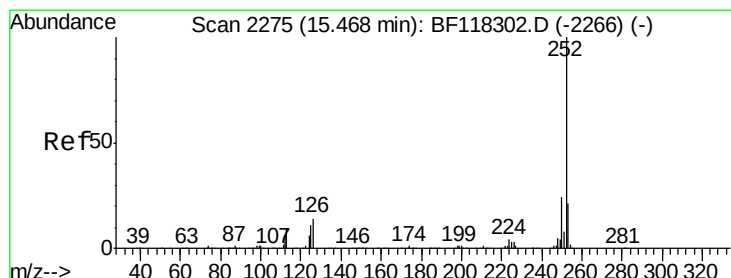
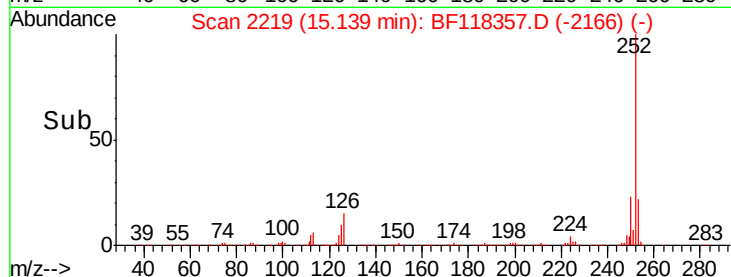
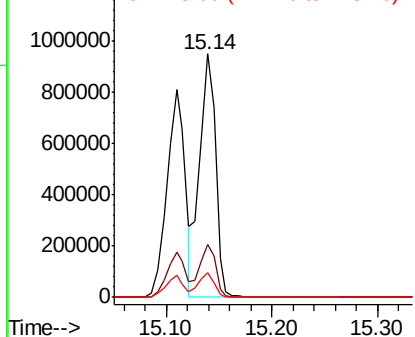
#89
Benzo(k)fluoranthene
Concen: 40.027 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 992922
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 10.4 8.0 12.0

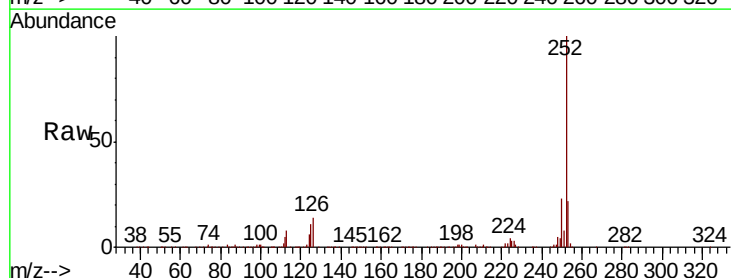


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

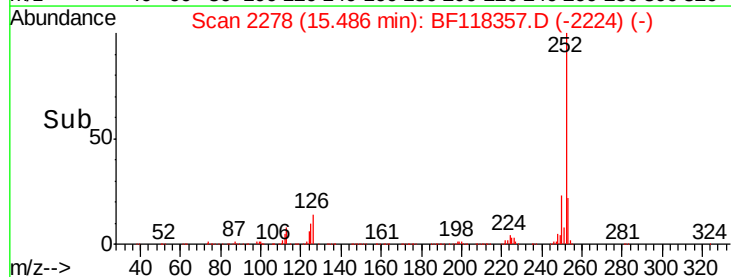
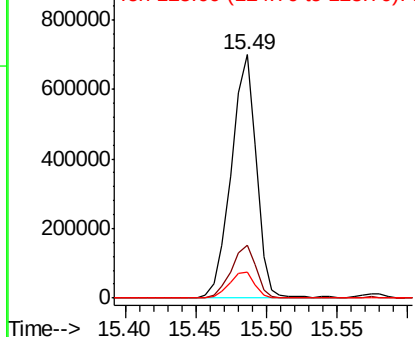


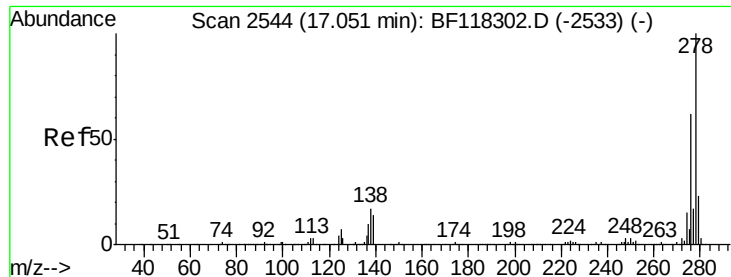
#90
Benzo(a)pyrene
Concen: 38.167 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118357.D
Acq: 28 Dec 2019 11:13

Tgt Ion:252 Resp: 868646
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 10.6 9.0 13.4



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





#91

Dibenzo(a,h)anthracene

Concen: 37.364 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.02 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

Instrument :

BNA_F

ClientSampleId :

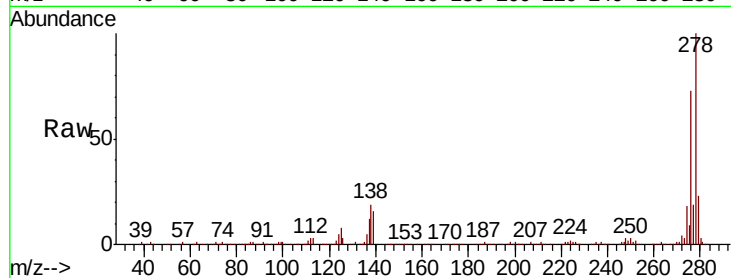
Tot Ion:278 Resp: 737929

Ion Ratio Lower Upper

278 100

139 15.6 11.5 17.3

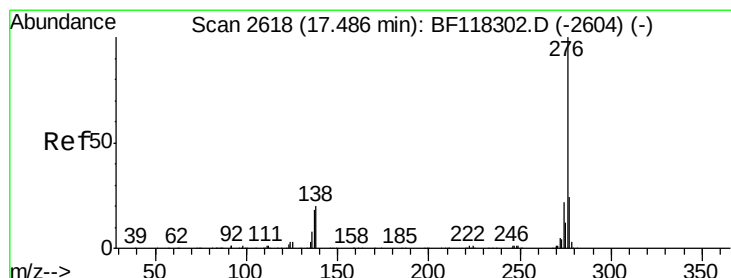
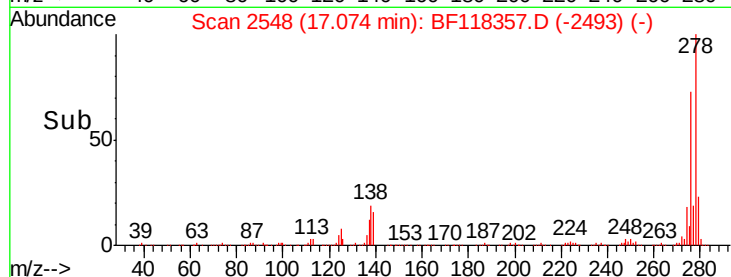
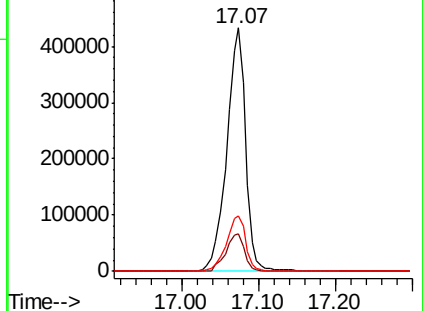
279 22.8 18.3 27.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 36.367 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.04 min

Lab File: BF118357.D

Acq: 28 Dec 2019 11:13

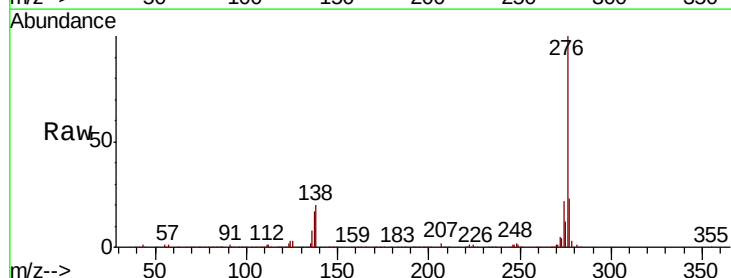
Tgt Ion:276 Resp: 693811

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 20.1 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

