

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113187.D
 Acq On : 20 Mar 2019 23:56
 Operator : JU/SJ
 Sample : SSTDC0040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:25:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	96969	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	379216	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	172796	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	313490	20.00	ng	0.00
76) Chrysene-d12	13.87	240	287468	20.00	ng	0.00
87) Perylene-d12	15.28	264	226139	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	506487	81.25	ng	0.00
7) Phenol-d6	6.37	99	562562	71.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	527051	83.17	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	152072	82.90	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1007480	101.90	ng	0.00
79) Terphenyl-d14	12.82	244	1041749	70.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.35	88	103233	33.037	ng	99
3) Pyridine	3.06	79	304503	36.424	ng	98
4) n-Nitrosodimethylamine	2.99	42	136340	37.282	ng	99
6) Aniline	6.39	93	356499	33.074	ng	92
8) 2-Chlorophenol	6.52	128	261005	37.613	ng	94
9) Benzaldehyde	6.27	77	160345	28.418	ng	99
10) Phenol	6.39	94	318601	34.866	ng	97
11) bis(2-Chloroethyl)ether	6.46	93	248459	35.425	ng	99
12) 1,3-Dichlorobenzene	6.67	146	285049	39.764	ng	96
13) 1,4-Dichlorobenzene	6.74	146	290466	40.405	ng	98
14) 1,2-Dichlorobenzene	6.90	146	272014	41.275	ng	99
15) Benzyl Alcohol	6.87	79	218477	36.589	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.00	45	396226	33.852	ng	99
17) 2-Methylphenol	6.99	107	198791	35.312	ng	99
18) Hexachloroethane	7.24	117	88974	32.310	ng	94
19) n-Nitroso-di-n-propylamine	7.14	70	181205	36.537	ng	99
20) 3+4-Methylphenols	7.15	107	254633	40.064	ng	# 90
22) Acetophenone	7.13	105	375055	42.297	ng	# 95
24) Nitrobenzene	7.30	77	271847	38.541	ng	95
25) Isophorone	7.55	82	489396	35.845	ng	99
26) 2-Nitrophenol	7.62	139	58096	19.786	ng	97
27) 2,4-Dimethylphenol	7.67	122	201327	36.856	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	315710	36.986	ng	100
29) 2,4-Dichlorophenol	7.87	162	204421	38.590	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	242137	42.541	ng	99
31) Naphthalene	8.03	128	756243	40.168	ng	99
32) Benzoic acid	7.81	122	32547	8.501	ng	97
33) 4-Chloroaniline	8.08	127	304078	38.132	ng	99
34) Hexachlorobutadiene	8.15	225	150158	46.778	ng	99
35) Caprolactam	8.45	113	62931	33.730	ng	99
36) 4-Chloro-3-methylphenol	8.57	107	205333	35.025	ng	95
37) 2-Methylnaphthalene	8.72	142	494991	40.712	ng	99
38) 1-Methylnaphthalene	8.82	142	471100	39.999	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	236818	46.998	ng	99

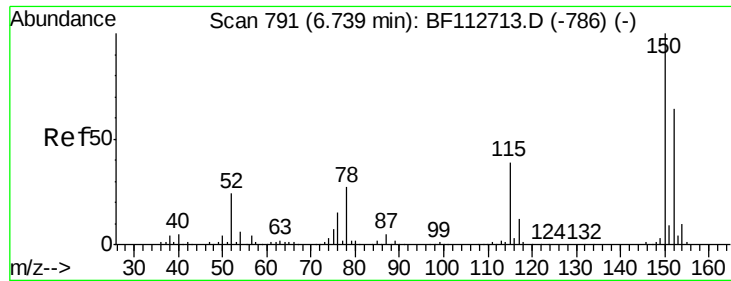
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113187.D
 Acq On : 20 Mar 2019 23:56
 Operator : JU/SJ
 Sample : SSTDC0040
 Misc :
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Quant Time: Mar 21 12:25:53 2019
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	10564	3.828	ng	95
43) 2,4,6-Trichlorophenol	9.00	196	127883	36.876	ng	99
44) 2,4,5-Trichlorophenol	9.05	196	136213	36.339	ng	97
46) 1,1'-Biphenyl	9.19	154	627437	44.517	ng	97
47) 2-Chloronaphthalene	9.21	162	454614	41.309	ng	97
48) 2-Nitroaniline	9.30	65	146016	43.651	ng	95
49) Acenaphthylene	9.62	152	748688	40.073	ng	99
50) Dimethylphthalate	9.48	163	552876	43.393	ng	99
51) 2,6-Dinitrotoluene	9.55	165	100336	37.817	ng	89
52) Acenaphthene	9.79	154	412016	37.711	ng	100
53) 3-Nitroaniline	9.71	138	143763	44.468	ng	96
54) 2,4-Dinitrophenol	9.83	184	861	7.183	ng	# 78
55) Dibenzofuran	9.96	168	638902	40.234	ng	98
56) 4-Nitrophenol	9.89	139	65049	24.757	ng	99
57) 2,4-Dinitrotoluene	9.95	165	123134	37.336	ng	98
58) Fluorene	10.30	166	473124	41.979	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.09	232	110172	35.278	ng	99
60) Diethylphthalate	10.18	149	541811	40.264	ng	100
61) 4-Chlorophenyl-phenylether	10.30	204	243136	46.367	ng	99
62) 4-Nitroaniline	10.32	138	142525	47.708	ng	98
63) Azobenzene	10.46	77	469310	34.050	ng	99
65) 4,6-Dinitro-2-methylphenol	10.36	198	2653	6.474	ng	83
66) n-Nitrosodiphenylamine	10.42	169	424477	42.220	ng	99
67) 4-Bromophenyl-phenylether	10.78	248	149562	45.295	ng	# 89
68) Hexachlorobenzene	10.86	284	166311	44.681	ng	98
69) Atrazine	10.94	200	117775	38.249	ng	99
70) Pentachlorophenol	11.05	266	92725	42.325	ng	98
71) Phenanthrene	11.26	178	653441	41.894	ng	98
72) Anthracene	11.32	178	666669	40.832	ng	98
73) Carbazole	11.47	167	633012	39.744	ng	98
74) Di-n-butylphthalate	11.80	149	799325	41.855	ng	98
75) Fluoranthene	12.45	202	732982	43.863	ng	98
77) Benzidine	12.57	184	315194	21.134	ng	98
78) Pyrene	12.67	202	754579	31.137	ng	99
80) Butylbenzylphthalate	13.29	149	344921	32.244	ng	99
81) Benzo(a)anthracene	13.86	228	668620	33.559	ng	99
82) 3,3'-Dichlorobenzidine	13.82	252	274676	36.453	ng	99
83) Chrysene	13.90	228	686099	35.156	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	465931	37.134	ng	99
85) Di-n-octyl phthalate	14.46	149	865224	40.159	ng	99
86) Indeno(1,2,3-cd)pyrene	16.64	276	489769	29.437	ng	99
88) Benzo(b)fluoranthene	14.88	252	601636	41.131	ng	98
89) Benzo(k)fluoranthene	14.91	252	555008	41.889	ng	98
90) Benzo(a)pyrene	15.22	252	506992	39.186	ng	99
91) Dibenzo(a,h)anthracene	16.66	278	412741	37.385	ng	99
92) Benzo(g,h,i)perylene	17.05	276	384102	34.648	ng	99

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

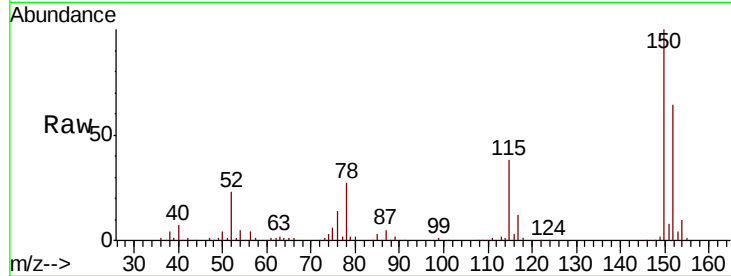


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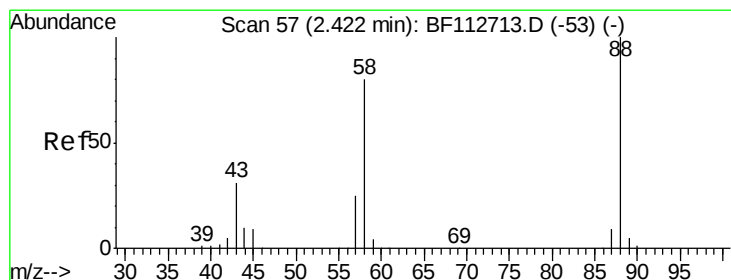
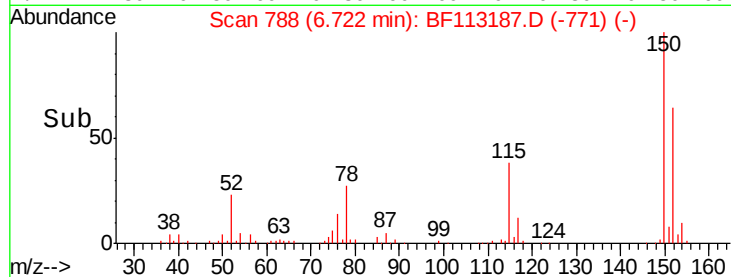
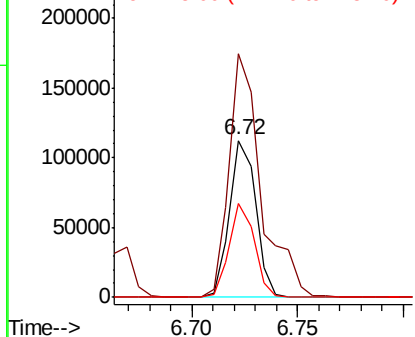
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96969
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.6
115 59.6 45.9 68.9



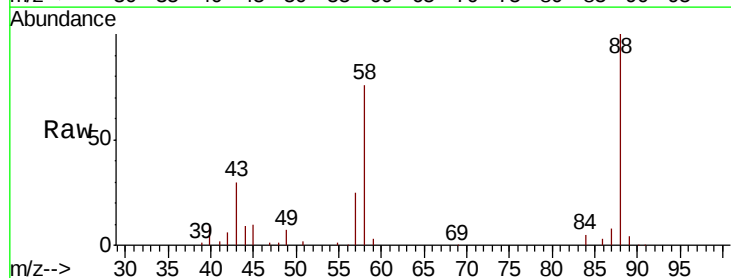
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



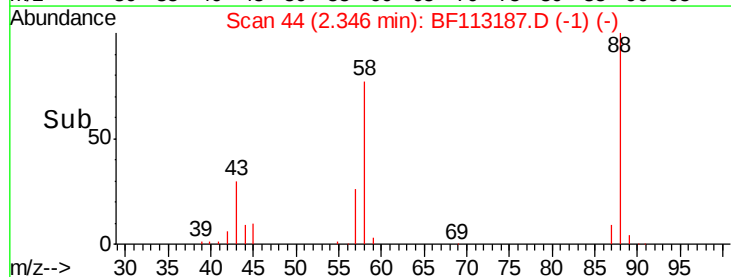
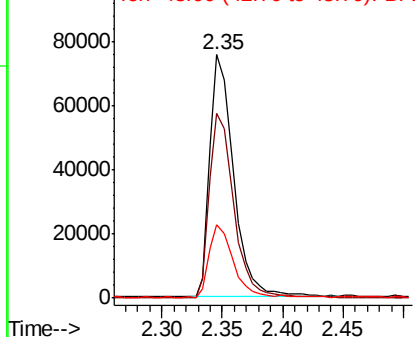
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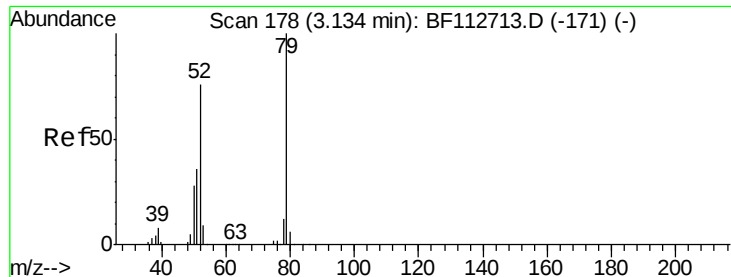
1,4-Dioxane
Concen: 33.037 ng
RT: 2.35 min Scan# 44
Delta R.T. -0.05 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion: 88 Resp: 103233
Ion Ratio Lower Upper
88 100
58 78.3 61.8 92.8
43 31.4 24.4 36.6



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





#3

Pvridine

Concen: 36.424 ng

RT: 3.06 min Scan# 166

Delta R.T. -0.03 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

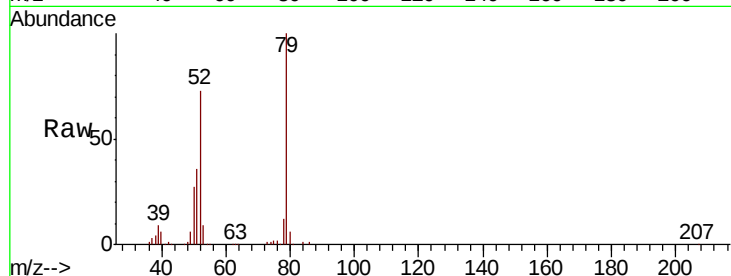
Tot Ion: 79 Resp: 304503

Ion Ratio Lower Upper

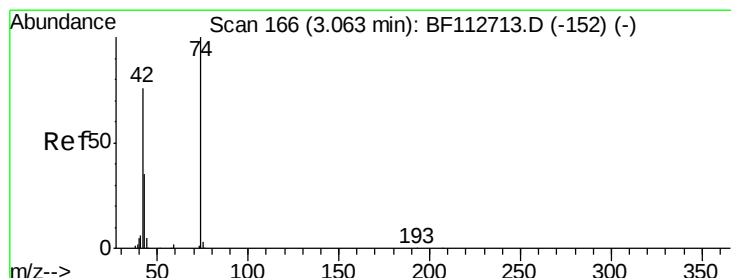
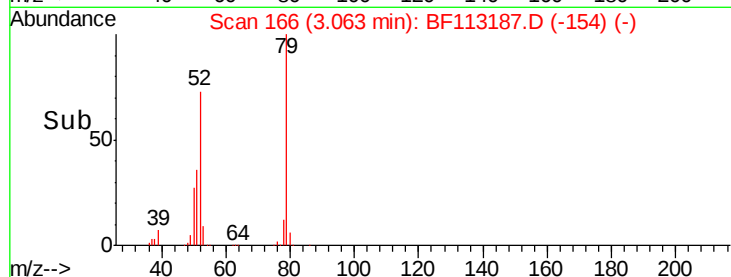
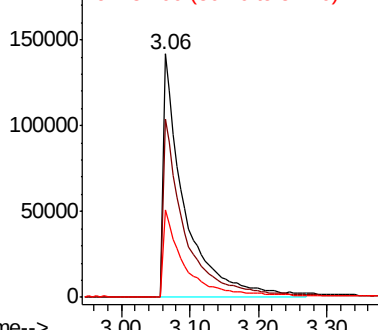
79 100

52 73.5 60.1 90.1

51 36.1 29.2 43.8



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: 37.282 ng

RT: 2.99 min Scan# 154

Delta R.T. -0.05 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

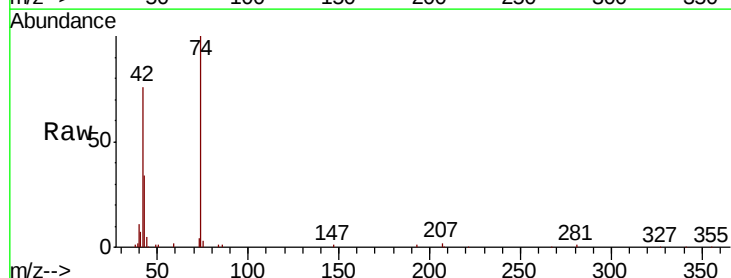
Tgt Ion: 42 Resp: 136340

Ion Ratio Lower Upper

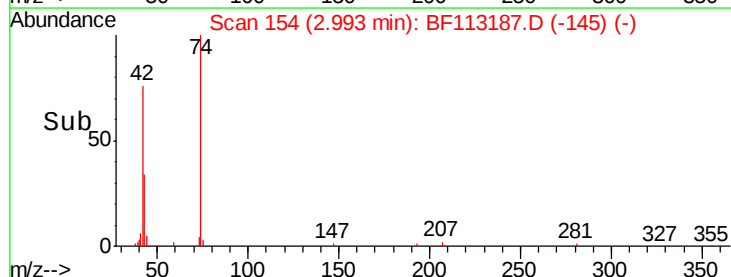
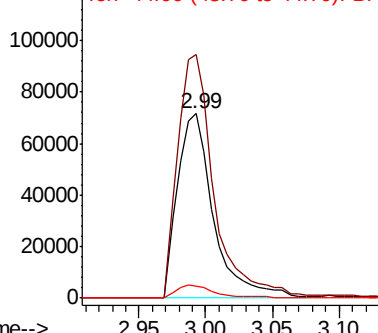
42 100

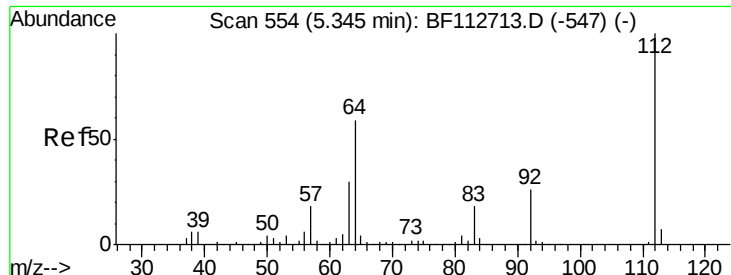
74 132.0 104.2 156.4

44 6.7 5.8 8.6



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

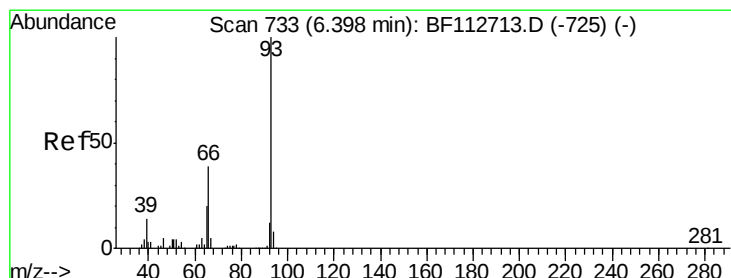
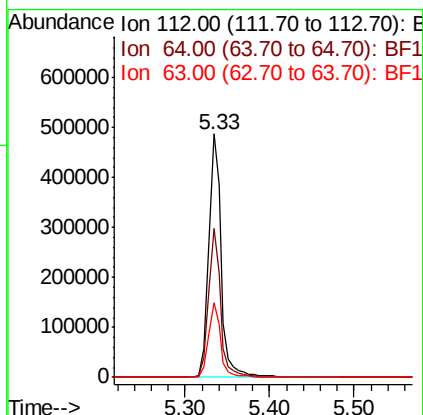
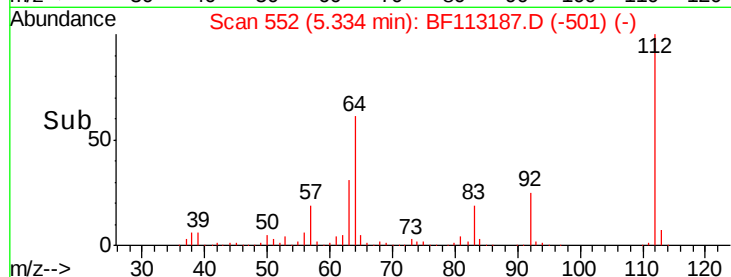
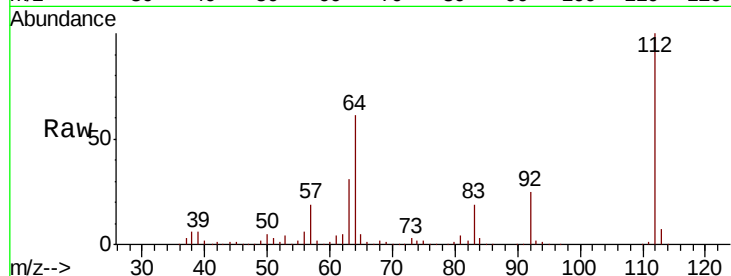




#5
2-Fluorophenol
Concen: 81.249 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

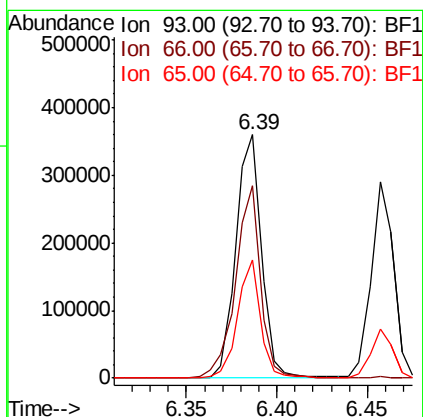
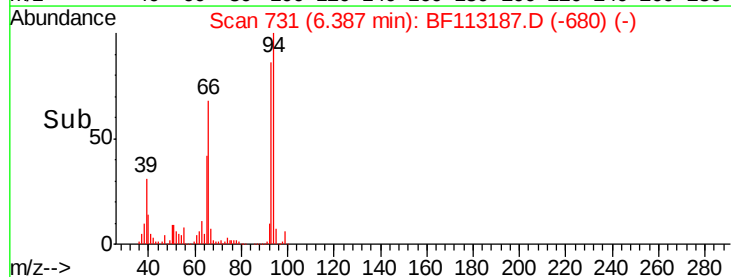
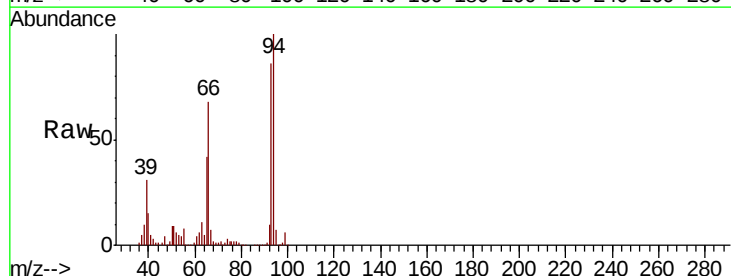
Instrument :
BNA_F
ClientSampleId :

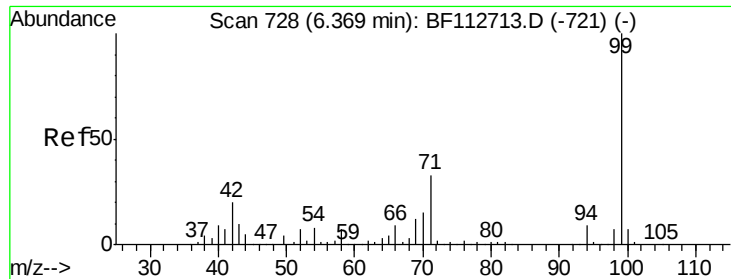
Tot Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.3	73.9
63	30.8	25.4	38.2



#6
Aniline
Concen: 33.074 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
93	100		
66	79.0	68.6	102.8
65	48.3	44.3	66.5





#7

Phenol-d6

Concen: 71.841 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

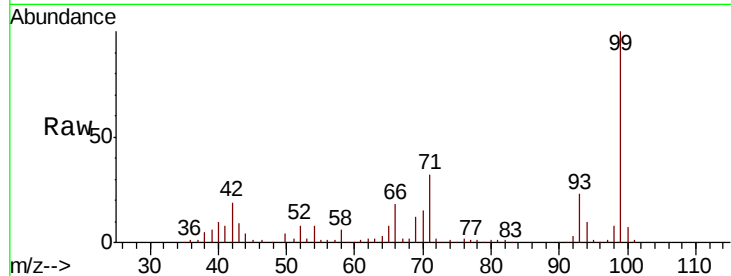
Tot Ion: 99 Resp: 562562

Ion Ratio Lower Upper

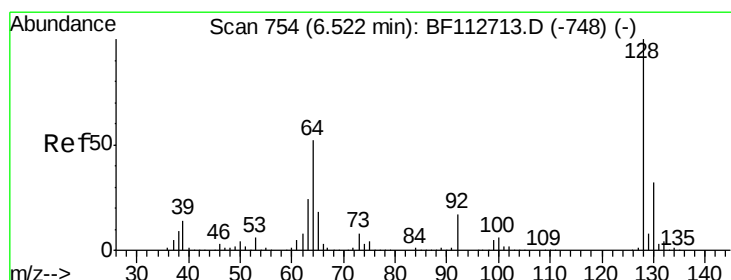
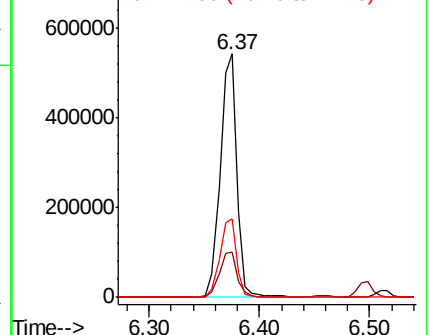
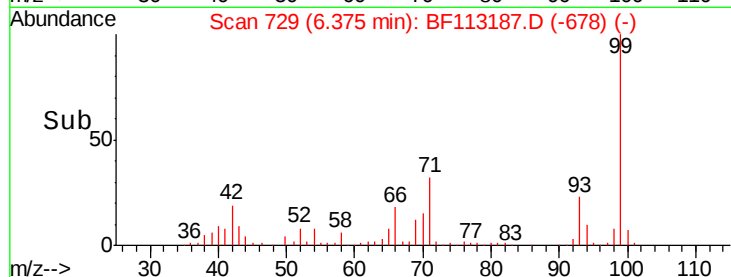
99 100

42 18.8 15.2 22.8

71 32.3 25.7 38.5



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: 37.613 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

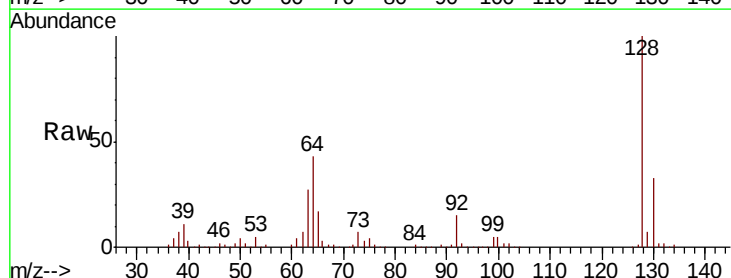
Tgt Ion: 128 Resp: 261005

Ion Ratio Lower Upper

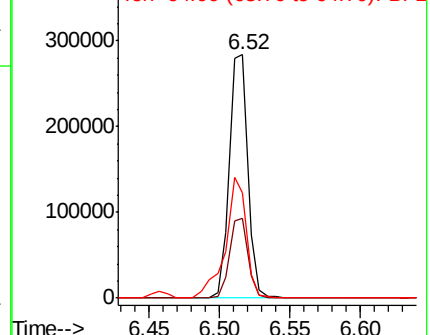
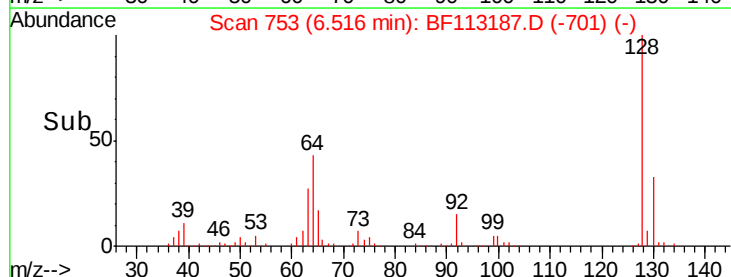
128 100

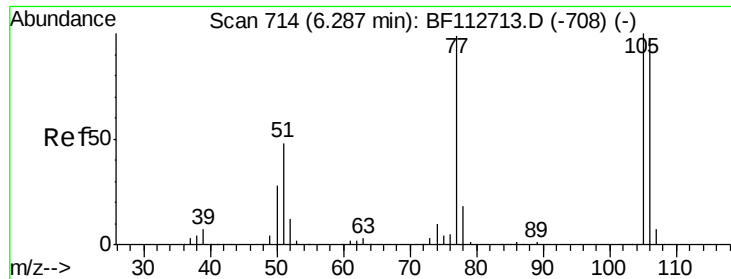
130 32.7 12.7 52.7

64 43.1 30.5 70.5



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: 28.418 ng

RT: 6.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampled :

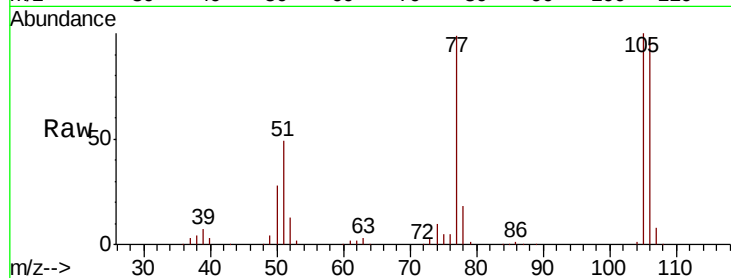
Tot Ion: 77 Resp: 160345

Ion Ratio Lower Upper

77 100

105 100.6 81.4 121.4

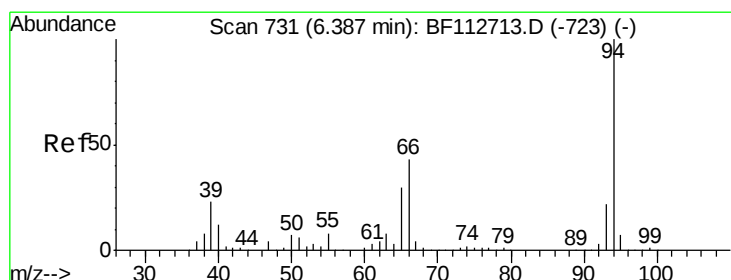
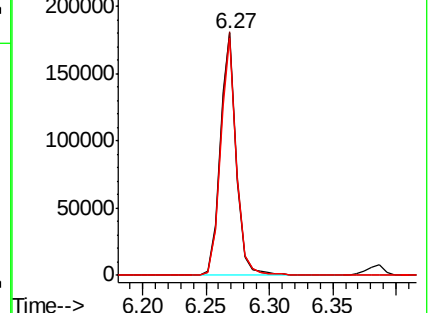
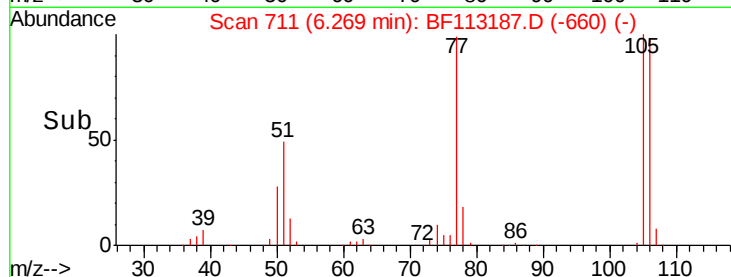
106 98.2 77.1 117.1



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: 34.866 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

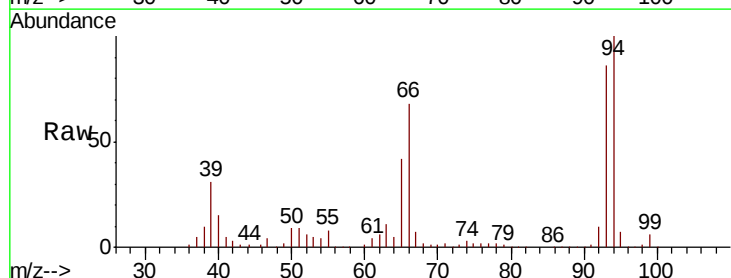
Tgt Ion: 94 Resp: 318601

Ion Ratio Lower Upper

94 100

65 41.5 21.7 61.7

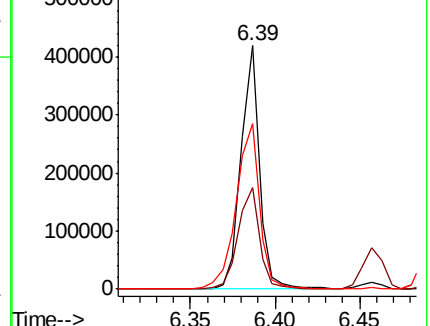
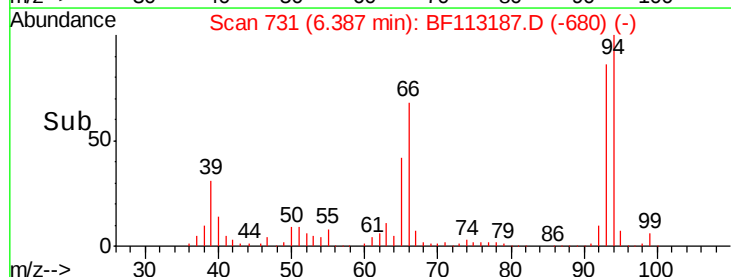
66 67.8 44.4 84.4

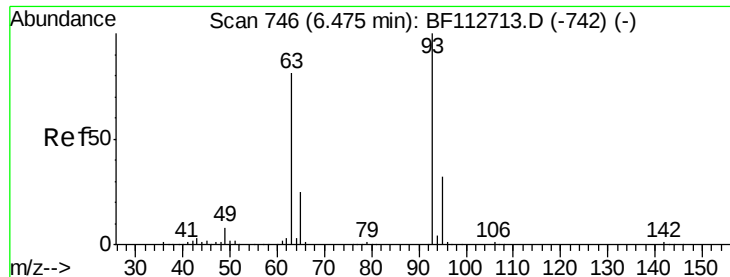


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

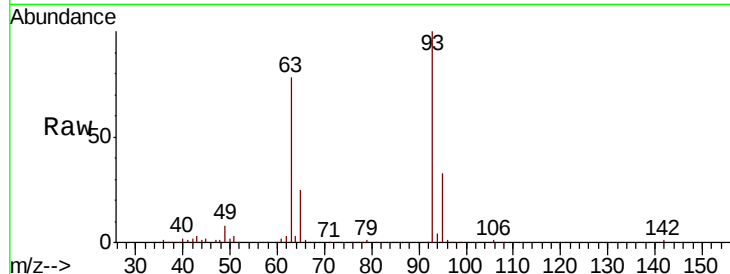




#11
bis(2-Chloroethyl)ether
Concen: 35.425 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.2	56.8	96.8
95	33.1	12.5	52.5

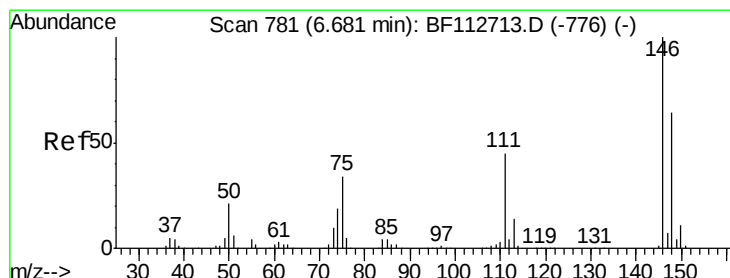
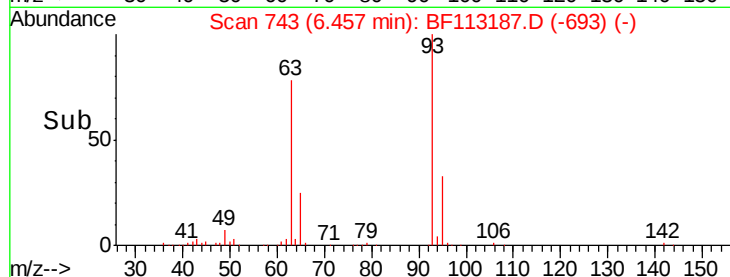
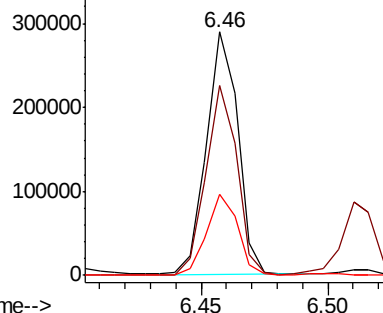


Abundance

Ion 93.00 (92.70 to 93.70): BF1

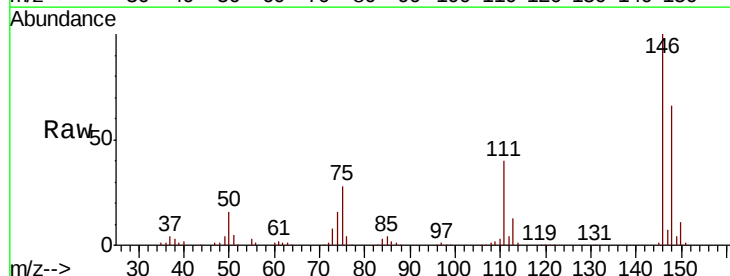
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12
1,3-Dichlorobenzene
Concen: 39.764 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.0	76.4
75	27.6	24.7	37.1

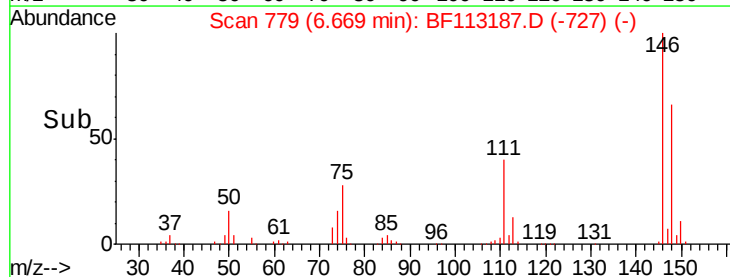
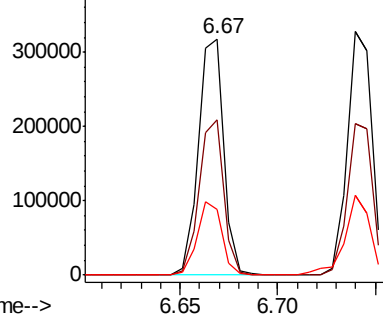


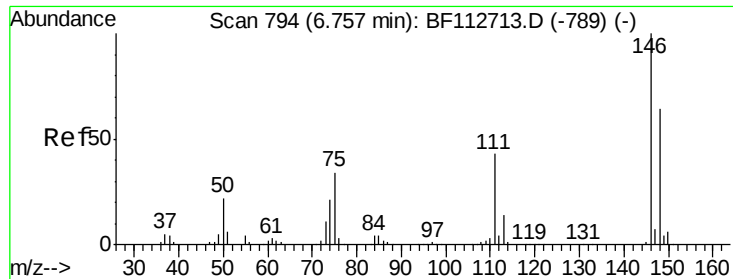
Abundance

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

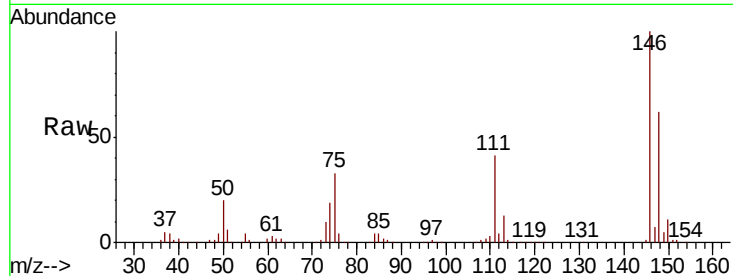




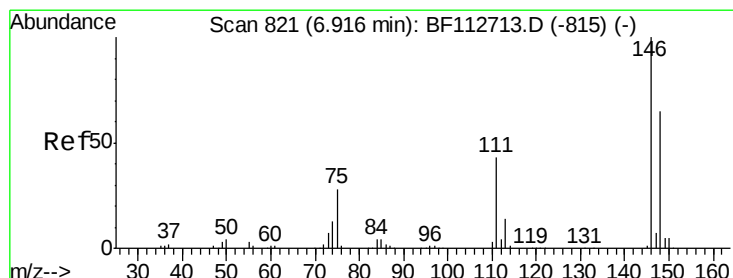
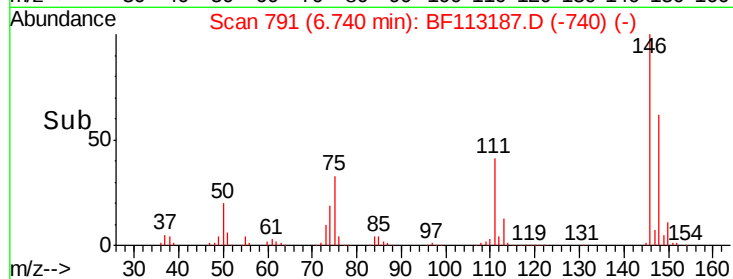
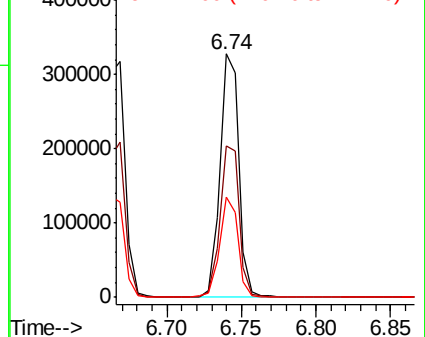
#13
1,4-Dichlorobenzene
Concen: 40.405 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:146 Resp: 290466
Ion Ratio Lower Upper
146 100
148 62.3 51.6 77.4
111 41.2 32.9 49.3

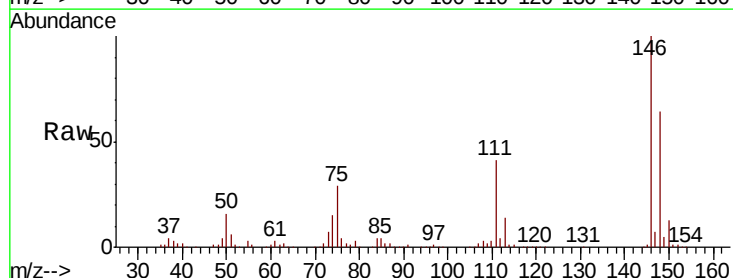


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

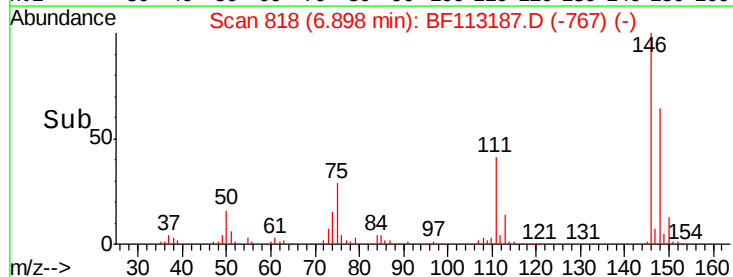
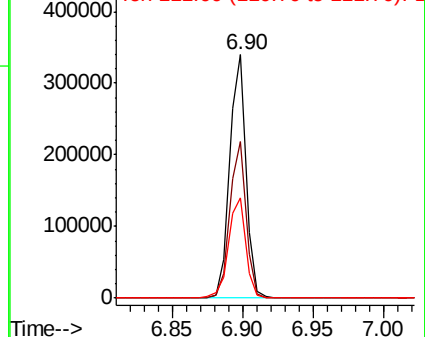


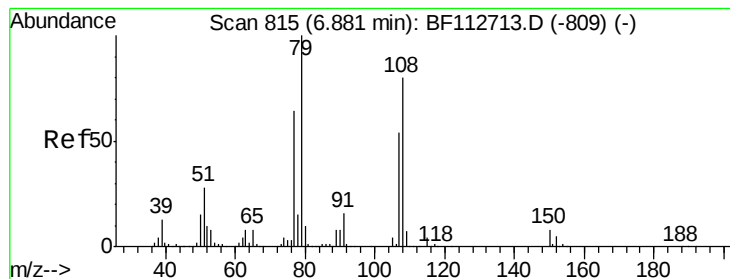
#14
1,2-Dichlorobenzene
Concen: 41.275 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:146 Resp: 272014
Ion Ratio Lower Upper
146 100
148 64.3 52.2 78.4
111 41.3 32.6 49.0



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: 36.589 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

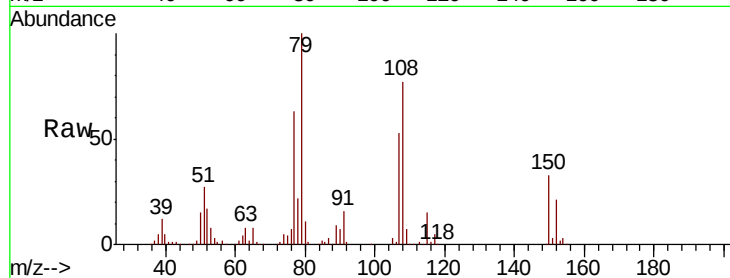
Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

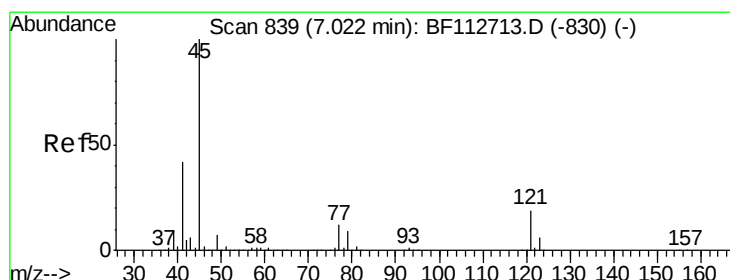
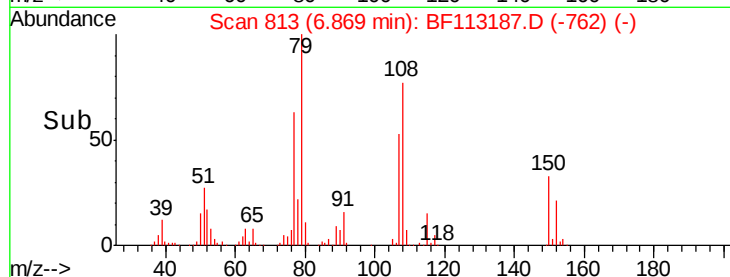
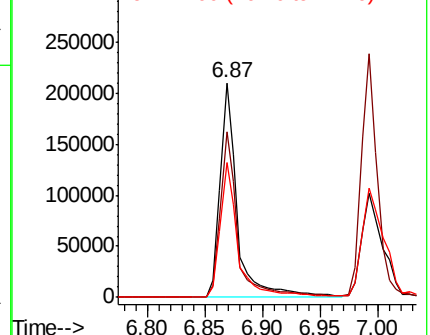
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 218477

Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.1	91.7
77	63.1	50.6	76.0



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: 33.852 ng

RT: 7.00 min Scan# 836

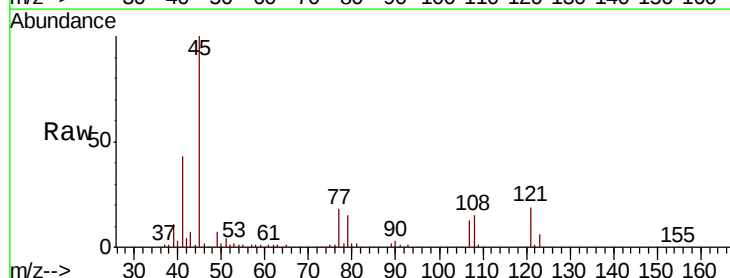
Delta R.T. 0.00 min

Lab File: BF113187.D

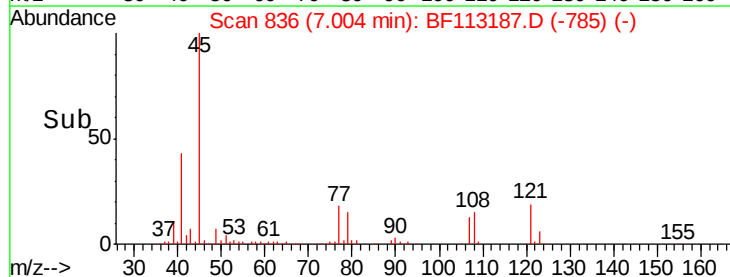
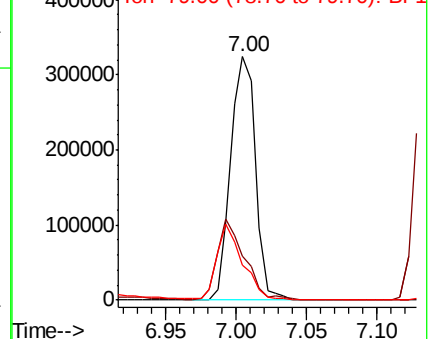
Acq: 20 Mar 2019 23:56

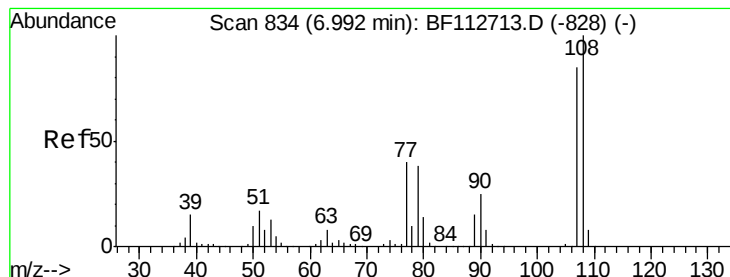
Tgt Ion: 45 Resp: 396226

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.2
79	14.5	0.0	34.1



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





#17

2-Methylphenol

Concen: 35.312 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 198791

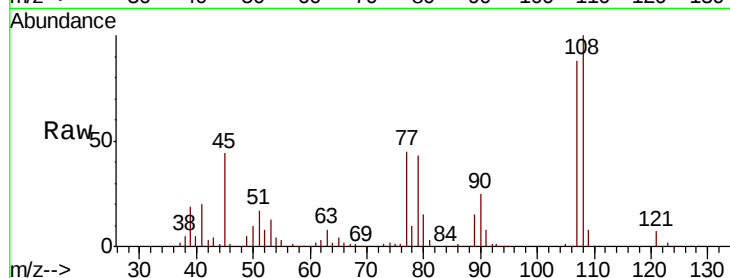
Ion Ratio Lower Upper

107 100

108 114.2 91.0 136.6

77 51.5 42.6 63.8

79 48.7 39.8 59.8

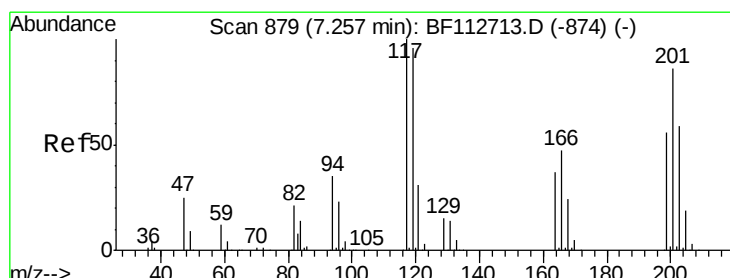
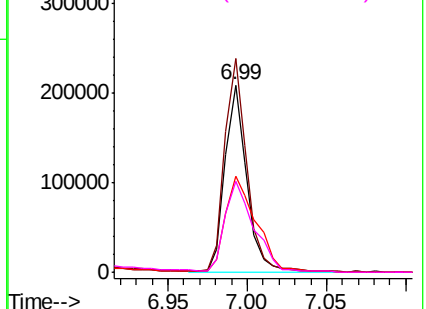
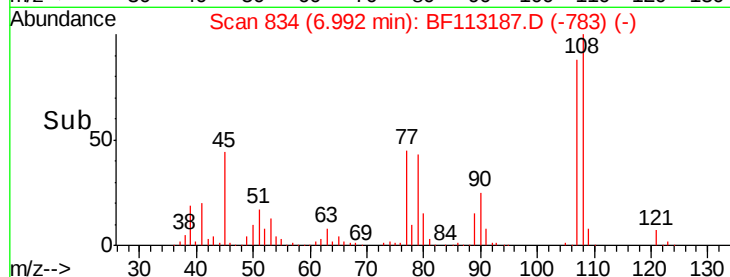


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 32.310 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

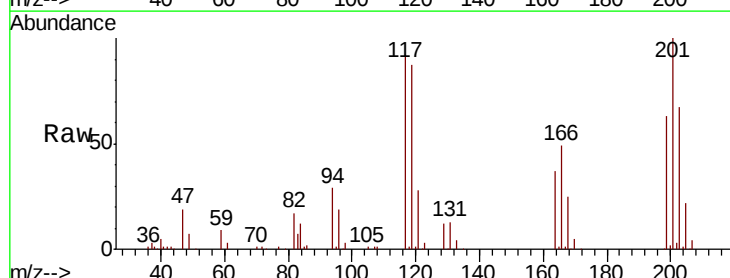
Tgt Ion:117 Resp: 88974

Ion Ratio Lower Upper

117 100

119 94.7 77.1 115.7

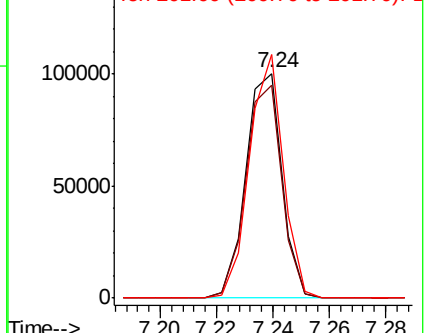
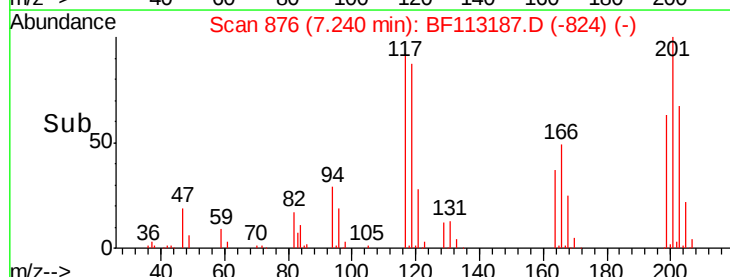
201 108.4 78.1 117.1

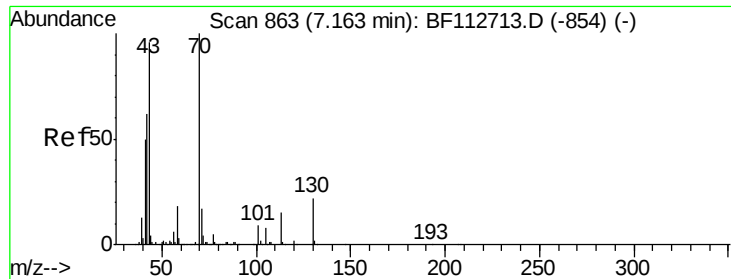


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

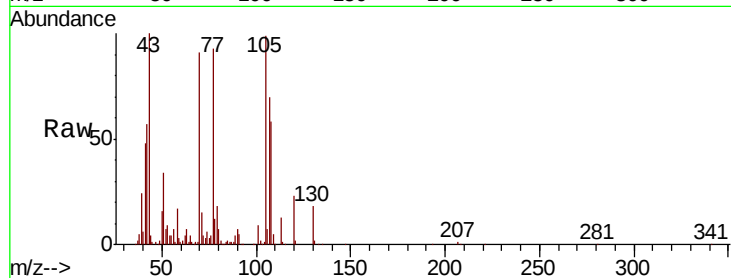




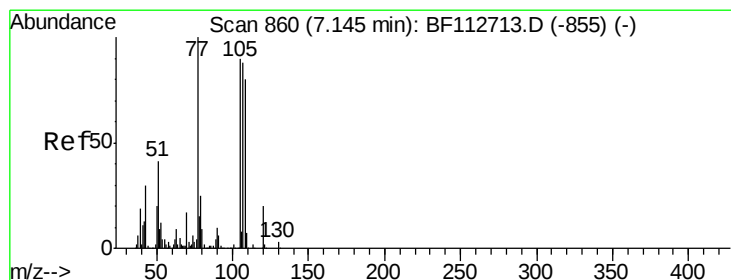
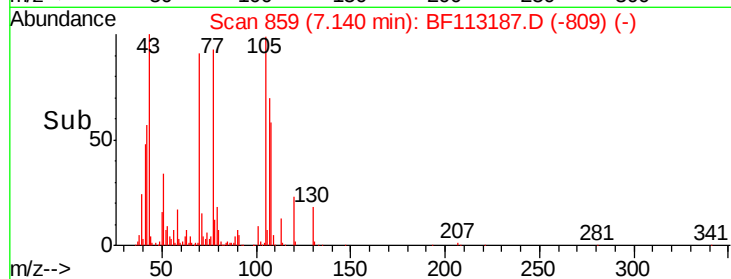
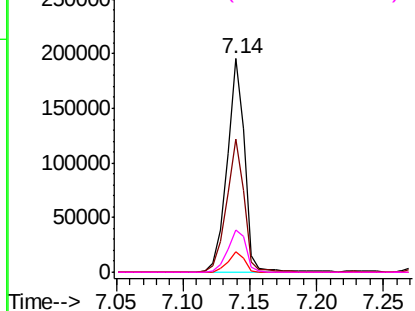
#19
n-Nitroso-di-n-propylamine
Concen: 36.537 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 181205
Ion Ratio Lower Upper
70 100
42 62.6 50.4 75.6
101 9.5 7.5 11.3
130 19.9 17.0 25.6

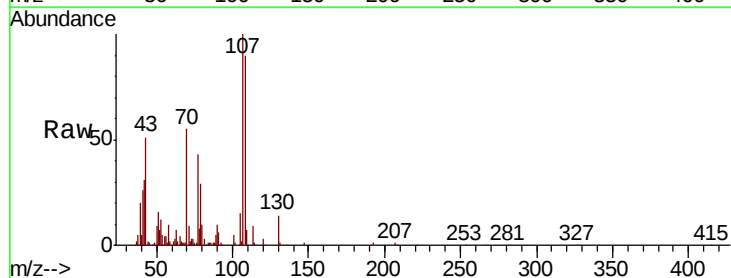


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

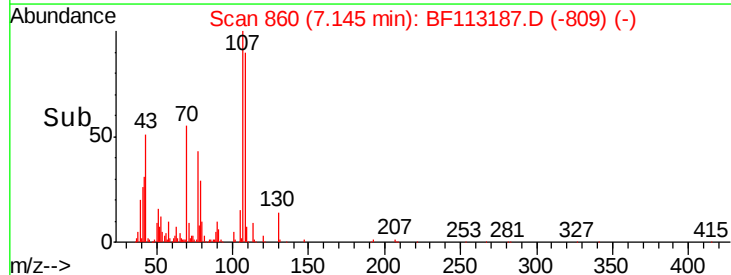
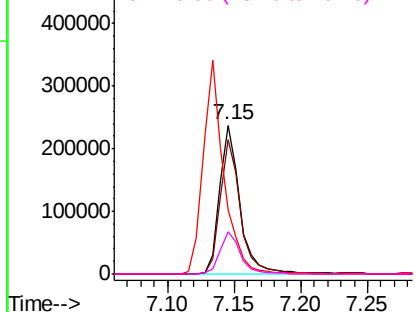


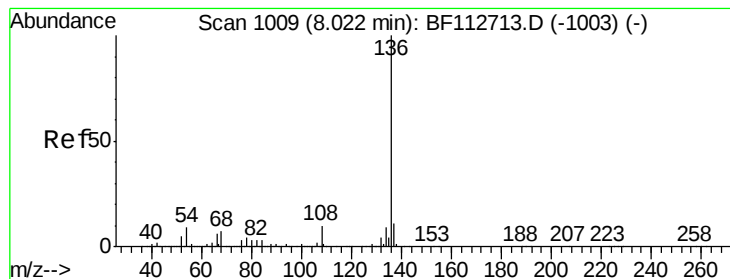
#20
3+4-Methylphenols
Concen: 40.064 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:107 Resp: 254633
Ion Ratio Lower Upper
107 100
108 90.1 72.6 112.6
77 43.2 43.6 83.6#
79 28.7 9.3 49.3



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: 8.01 min Scan# 1007

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 379216

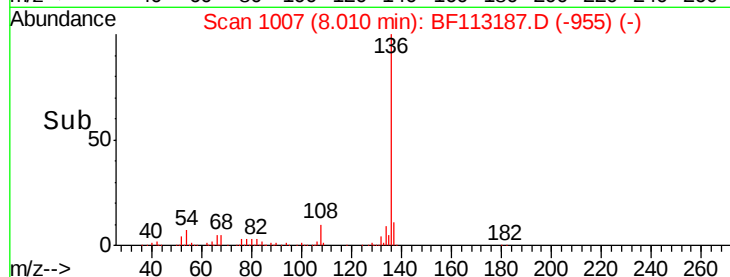
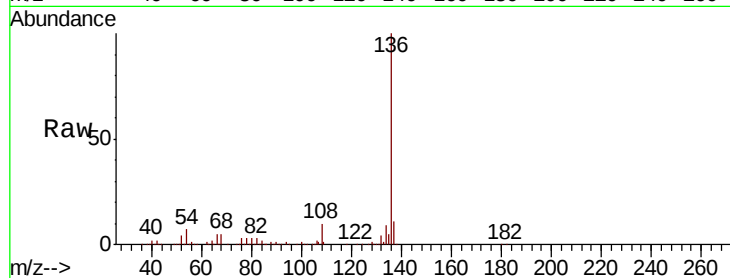
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.0 7.0 10.6#

68 5.0 5.0 7.4

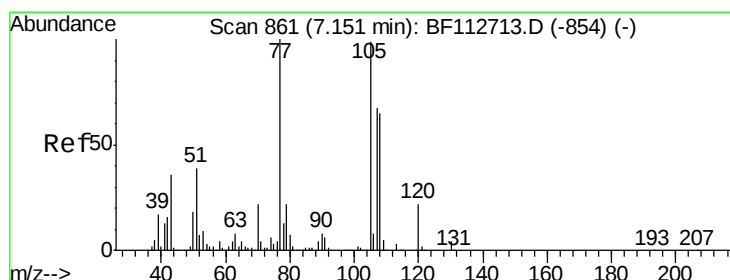
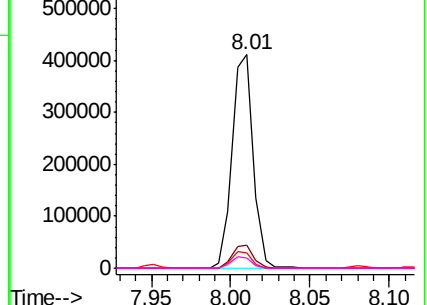


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.297 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Tgt Ion:105 Resp: 375055

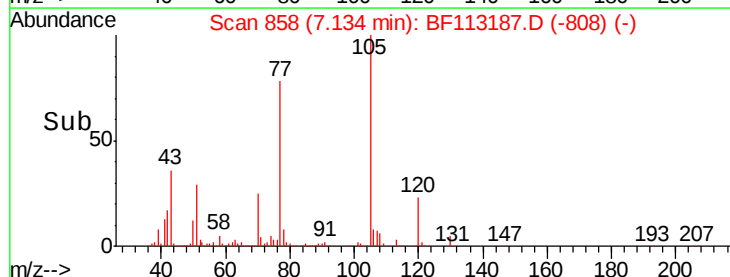
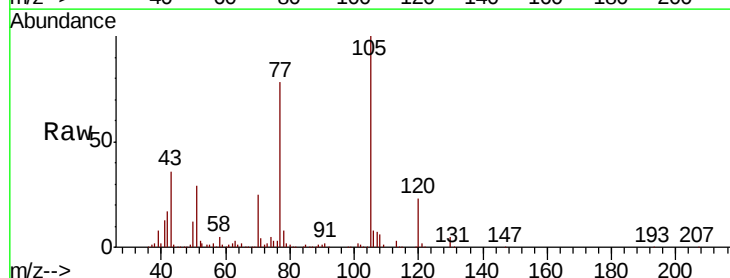
Ion Ratio Lower Upper

105 100

71 4.1 4.6 6.8#

51 29.0 27.4 41.0

120 22.9 18.2 27.4

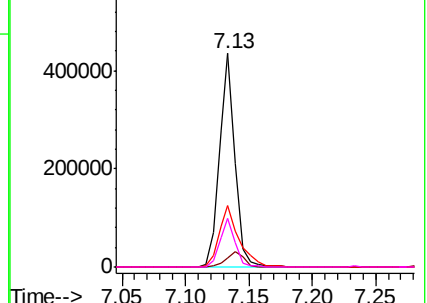


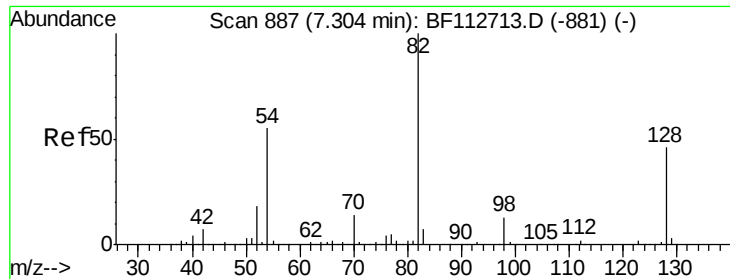
Abundance Ion 105.00 (104.70 to 105.70): E

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

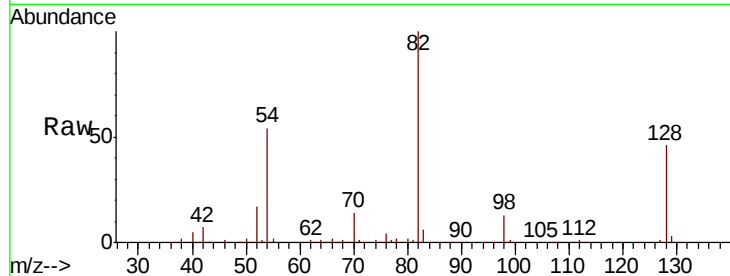




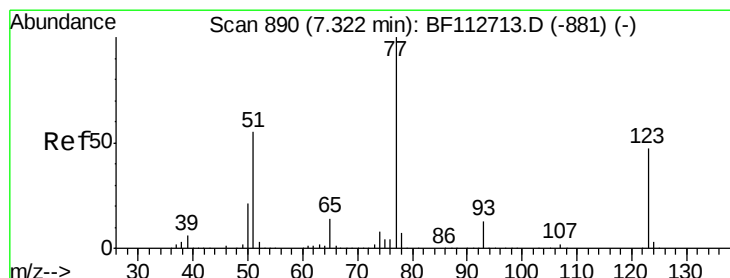
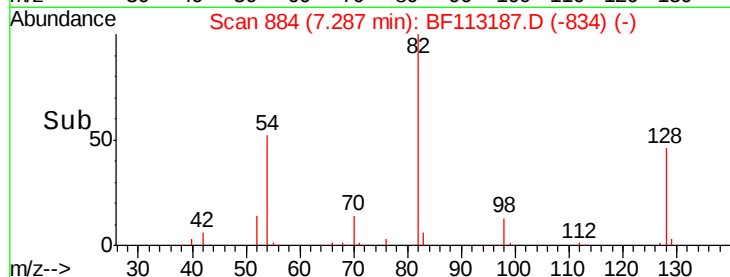
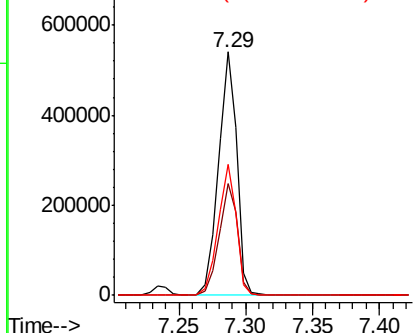
#23
 Nitrobenzene-d5
 Concen: 83.165 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 527051
 Ion Ratio Lower Upper
 82 100
 128 46.0 37.9 56.9
 54 53.7 41.2 61.8

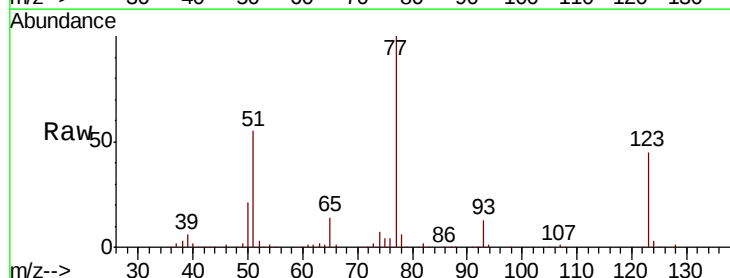


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

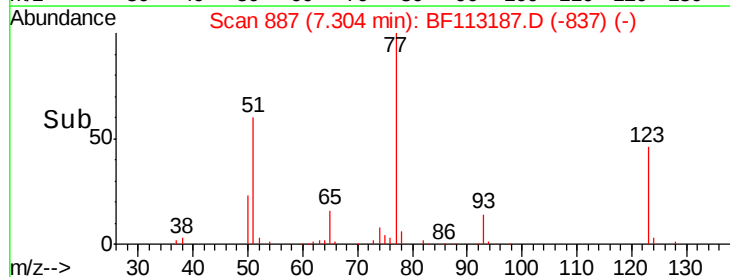
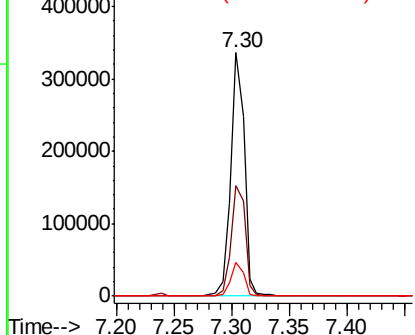


#24
 Nitrobenzene
 Concen: 38.541 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion: 77 Resp: 271847
 Ion Ratio Lower Upper
 77 100
 123 45.3 39.8 59.6
 65 14.1 10.9 16.3



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





#25

Isophorone

Concen: 35.845 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

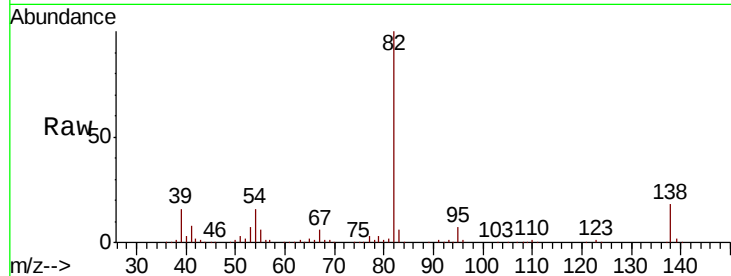
Tot Ion: 82 Resp: 489396

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

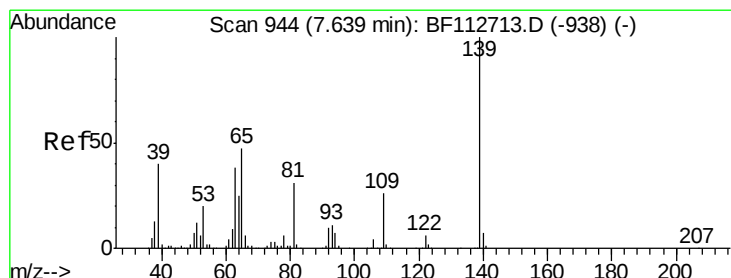
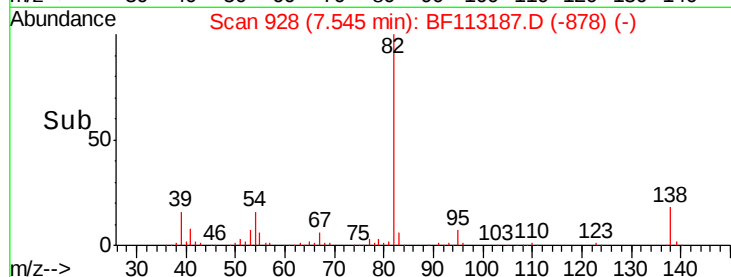
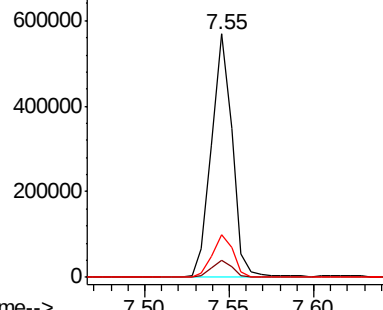
138 17.7 14.5 21.7



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: 19.786 ng

RT: 7.62 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

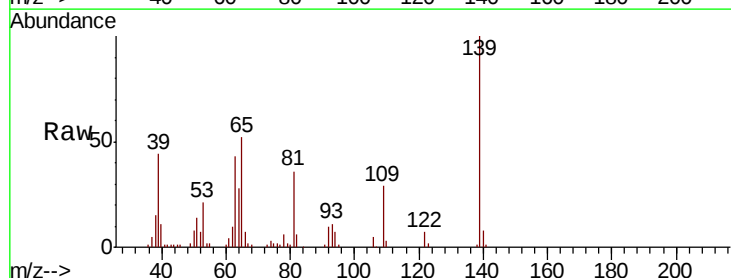
Tgt Ion: 139 Resp: 58096

Ion Ratio Lower Upper

139 100

109 28.9 21.4 32.0

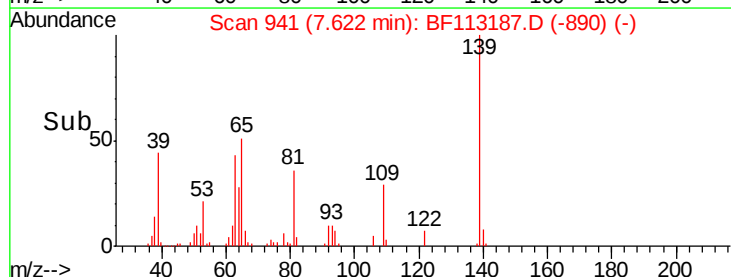
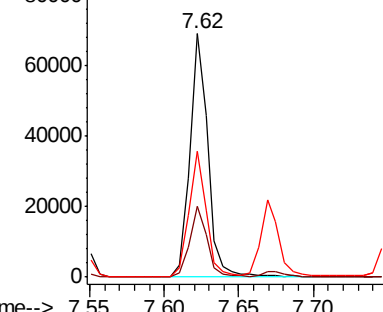
65 51.6 40.4 60.6

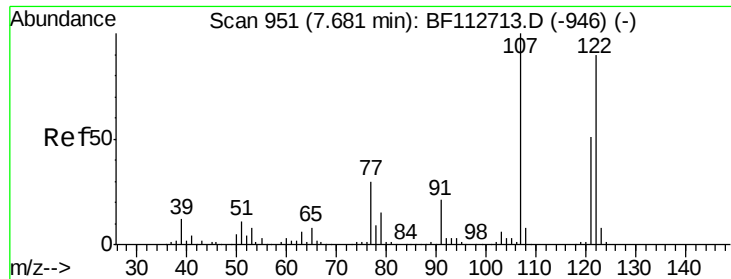


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

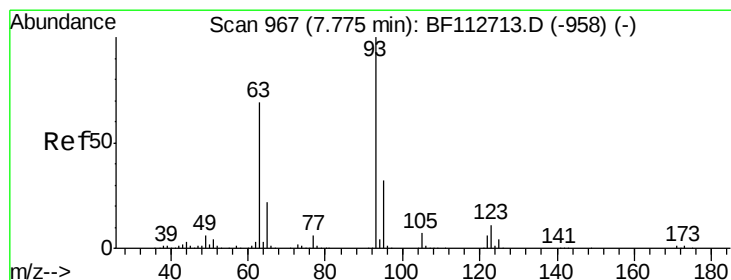
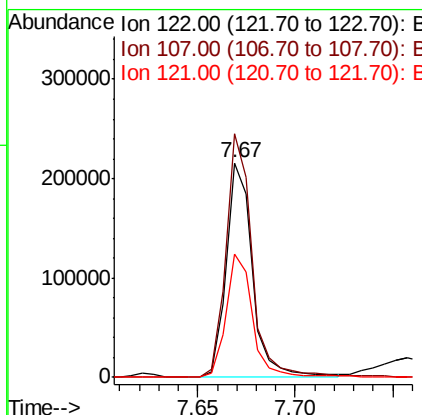
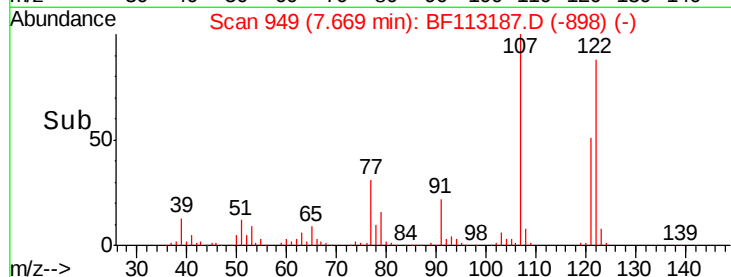
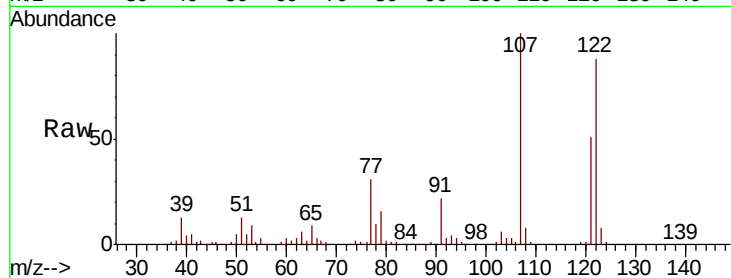




#27
2,4-Dimethylphenol
Concen: 36.856 ng
RT: 7.67 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

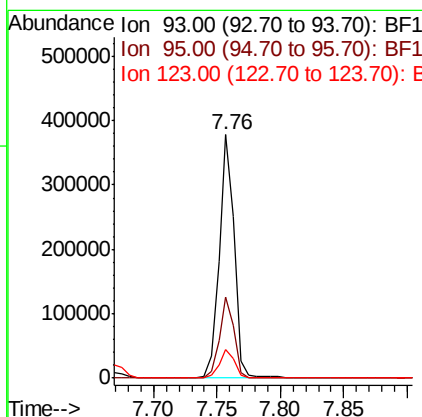
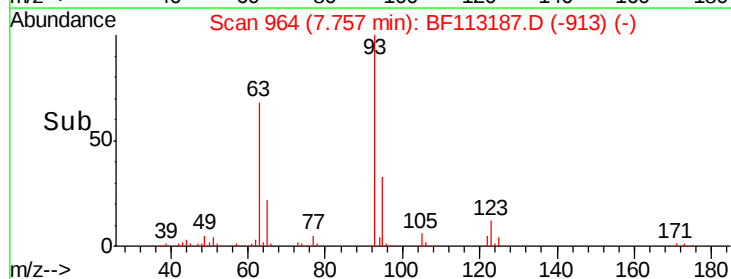
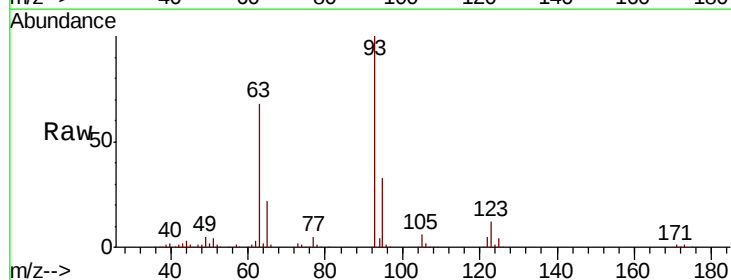
Instrument :
BNA_F
ClientSampleId :

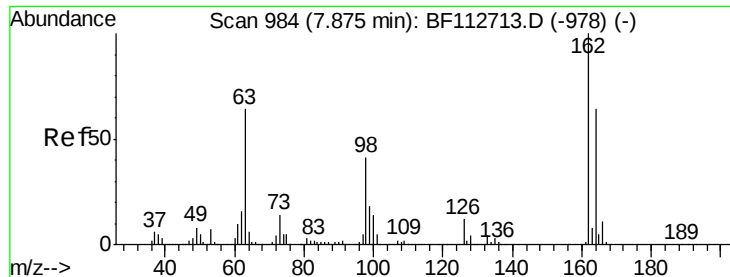
Tot Ion:122 Resp: 201327
Ion Ratio Lower Upper
122 100
107 113.5 90.4 135.6
121 57.5 47.2 70.8



#28
bis(2-Chloroethoxy)methane
Concen: 36.986 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion: 93 Resp: 315710
Ion Ratio Lower Upper
93 100
95 33.3 26.7 40.1
123 11.5 9.2 13.8

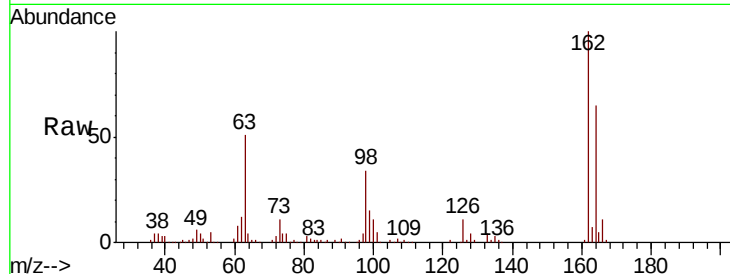




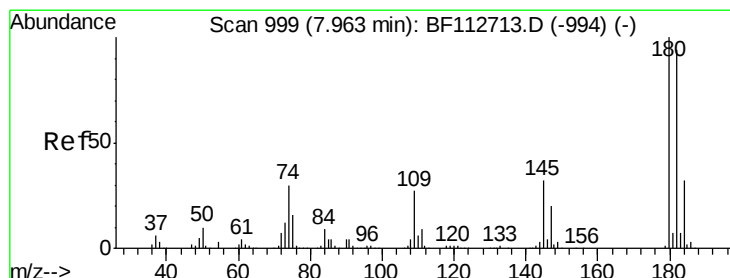
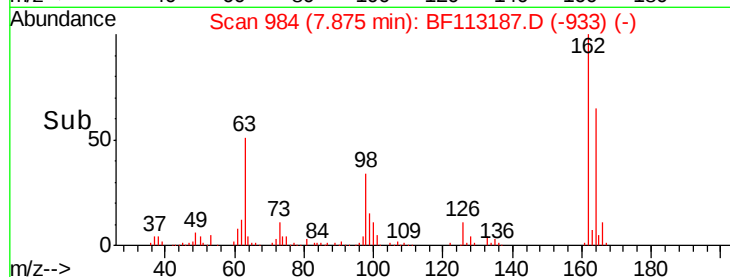
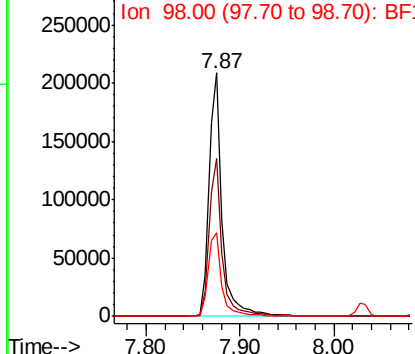
#29
2,4-Dichlorophenol
Concen: 38.590 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.3	85.3
98	34.4	14.6	54.6

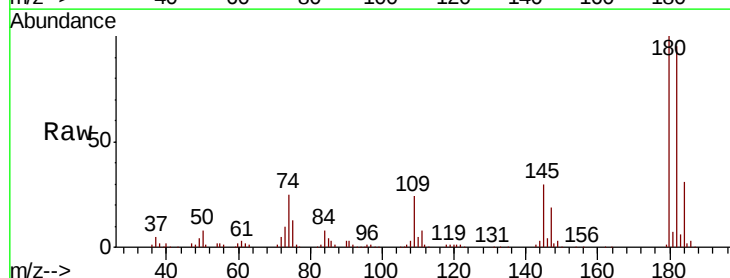


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

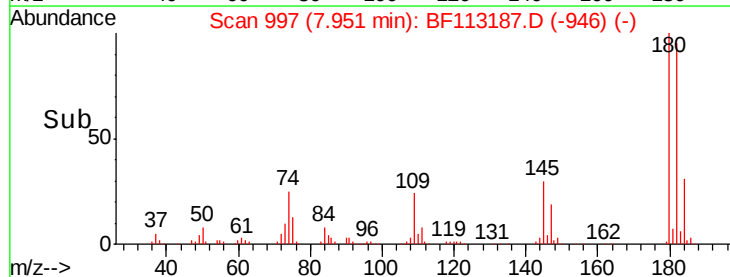
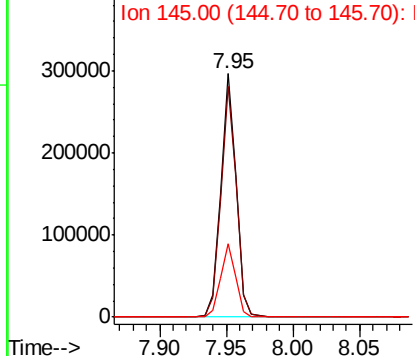


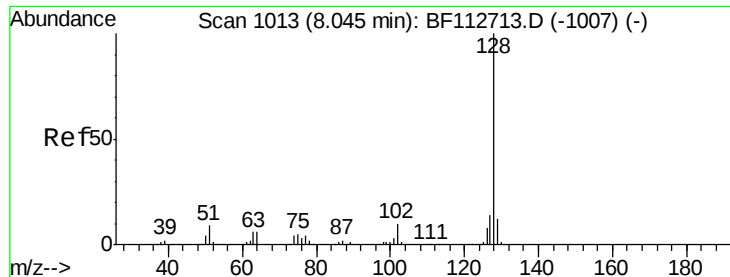
#30
1,2,4-Trichlorobenzene
Concen: 42.541 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
145	30.4	23.5	35.3



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

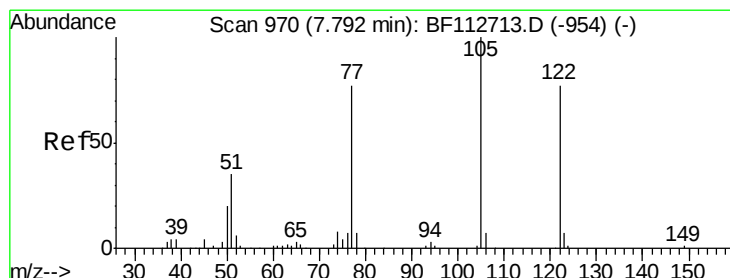
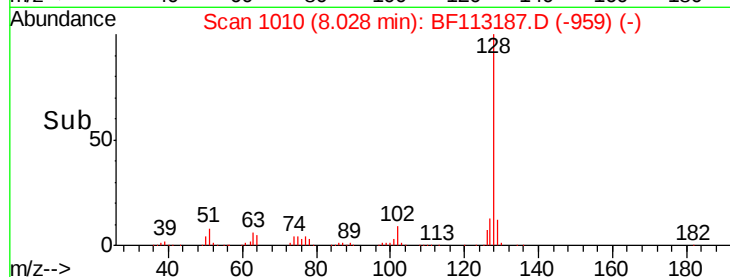
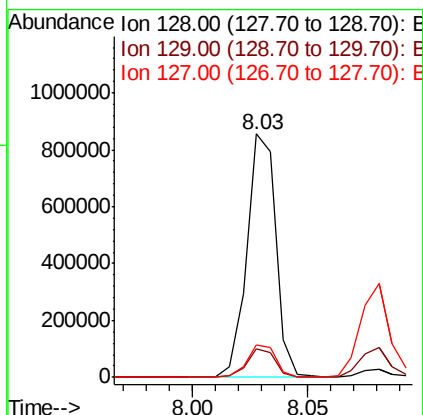
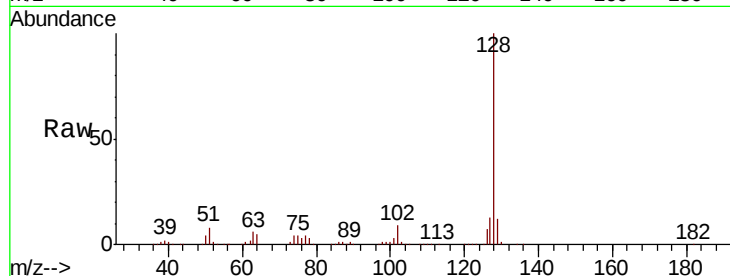




#31
Naphthalene
Concen: 40.168 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

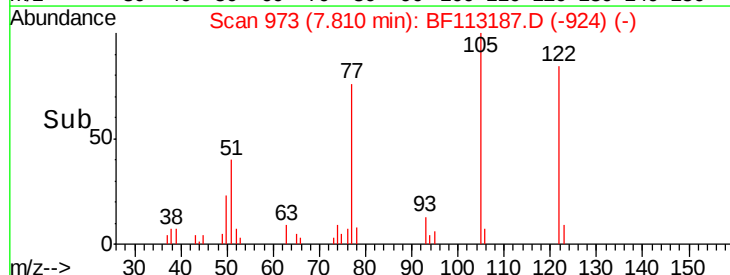
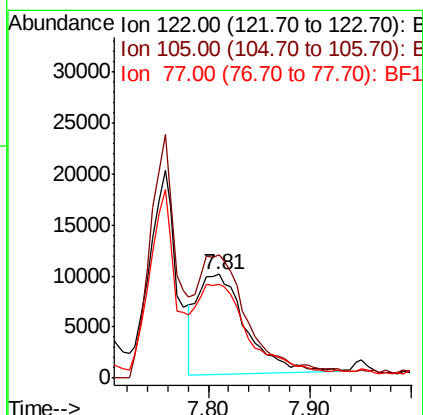
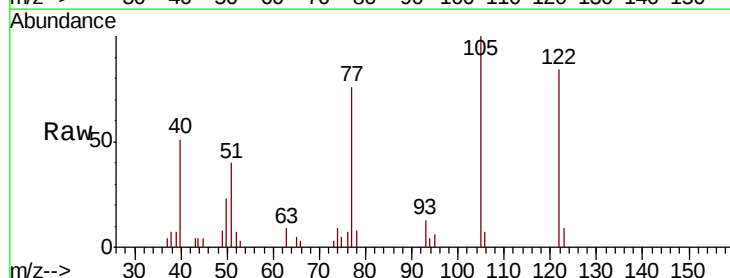
Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 756243
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 13.3 10.9 16.3



#32
Benzoic acid
Concen: 8.501 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:122 Resp: 32547
Ion Ratio Lower Upper
122 100
105 118.6 98.4 138.4
77 89.9 62.9 102.9

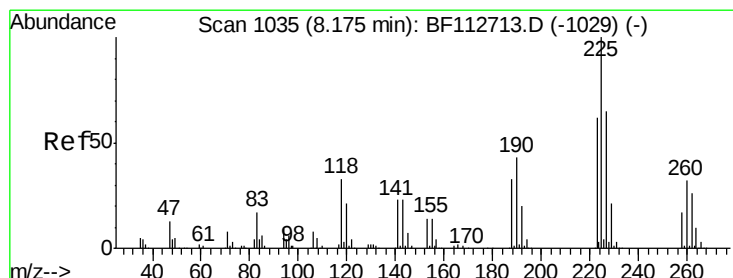
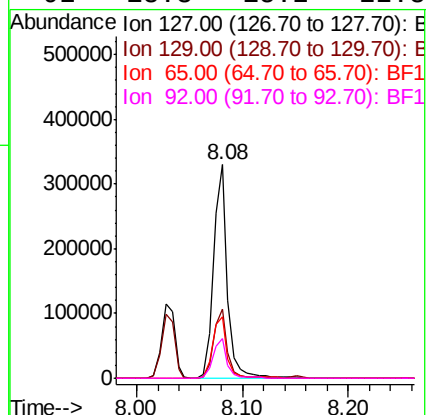
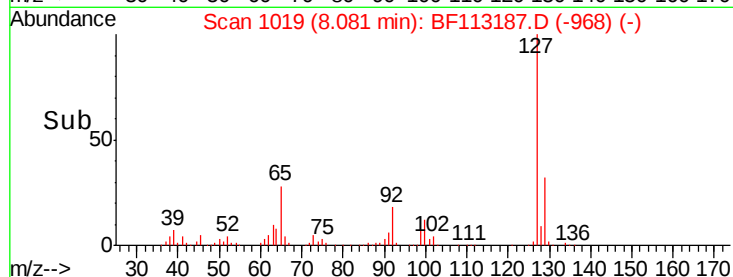
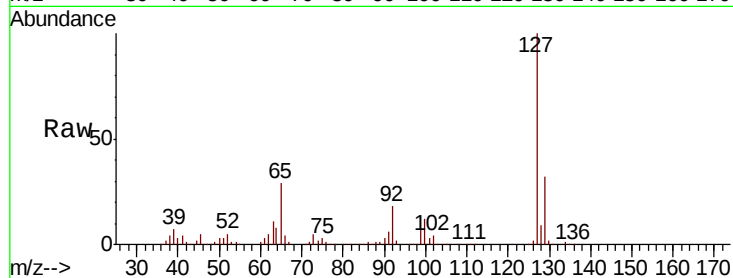




#33
4-Chloroaniline
Concen: 38.132 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

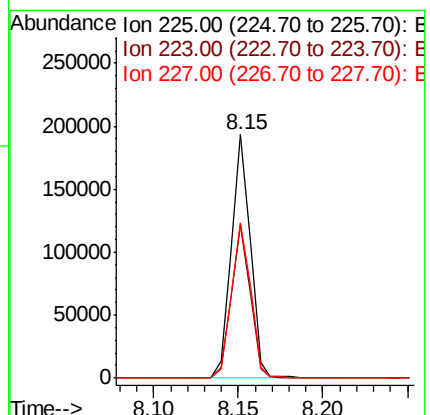
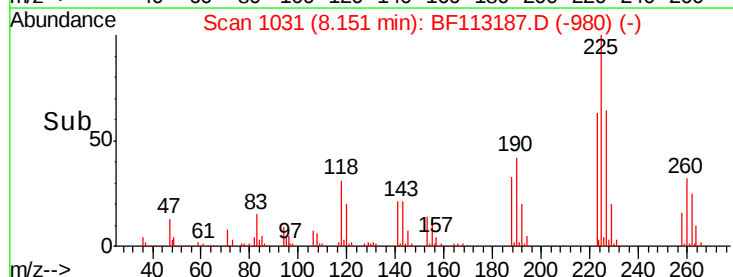
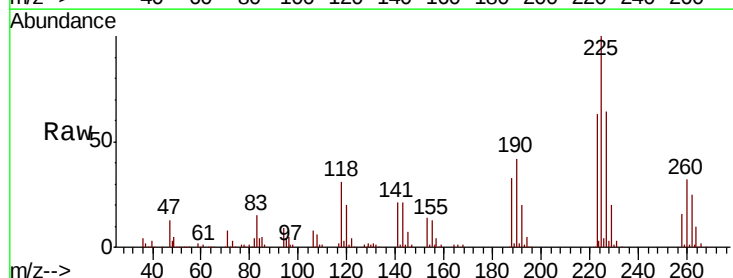
Instrument :
BNA_F
ClientSampleId :

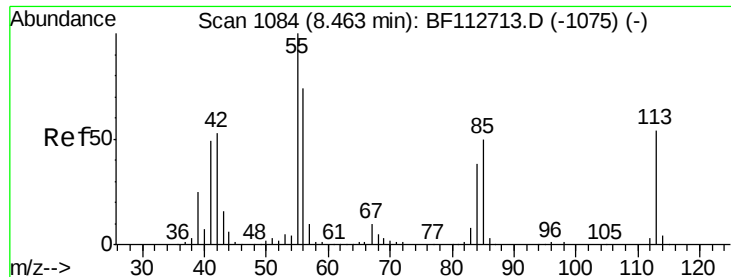
Tot Ion:127	Resp:	304078
Ion	Ratio	Lower Upper
127	100	
129	32.5	26.1 39.1
65	28.6	23.4 35.2
92	18.3	15.2 22.8



#34
Hexachlorobutadiene
Concen: 46.778 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:225	Resp:	150158
Ion	Ratio	Lower Upper
225	100	
223	62.8	49.9 74.9
227	63.9	51.4 77.2

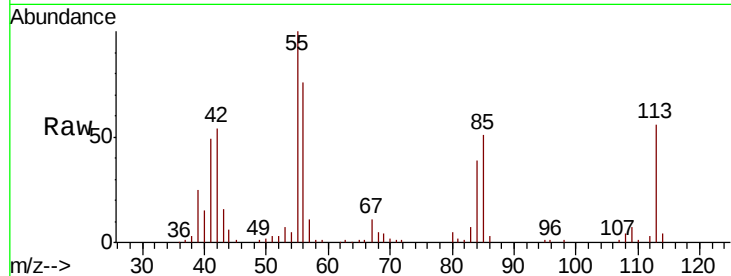




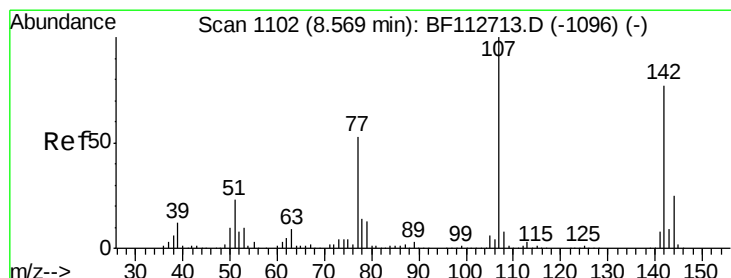
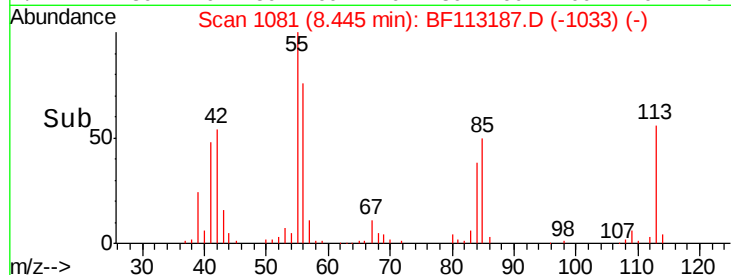
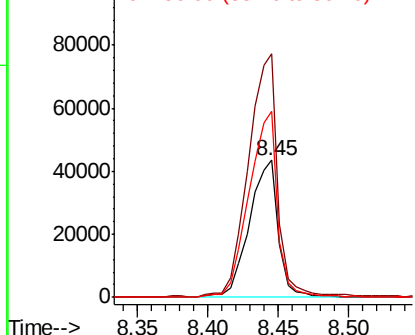
#35
Caprolactam
Concen: 33.730 ng
RT: 8.45 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:113 Resp: 62931
Ion Ratio Lower Upper
113 100
55 177.9 159.2 199.2
56 135.5 115.8 155.8

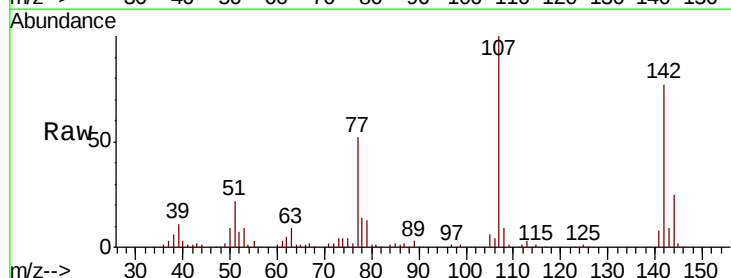


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

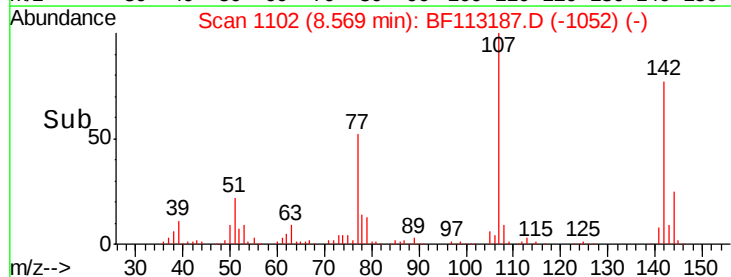
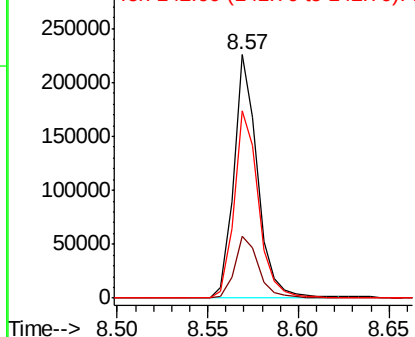


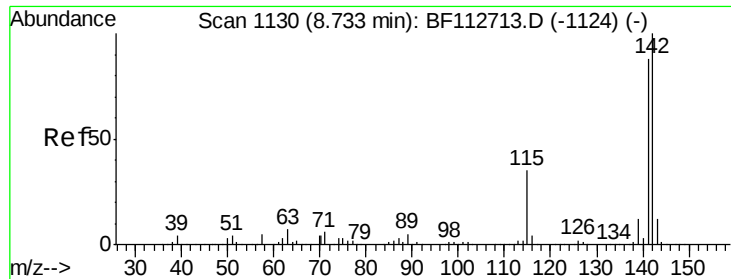
#36
4-Chloro-3-methylphenol
Concen: 35.025 ng
RT: 8.57 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:107 Resp: 205333
Ion Ratio Lower Upper
107 100
144 25.4 21.1 31.7
142 77.1 65.8 98.8



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

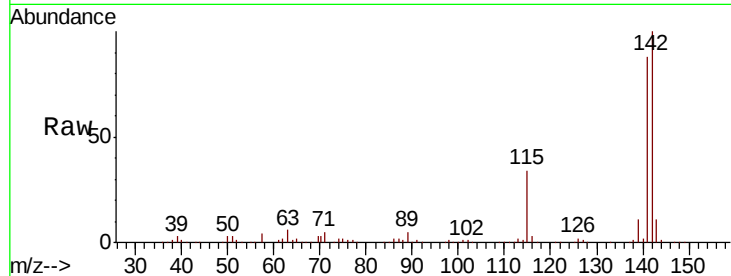




#37
2-Methylnaphthalene
Concen: 40.712 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.5	105.7
115	33.6	26.3	39.5

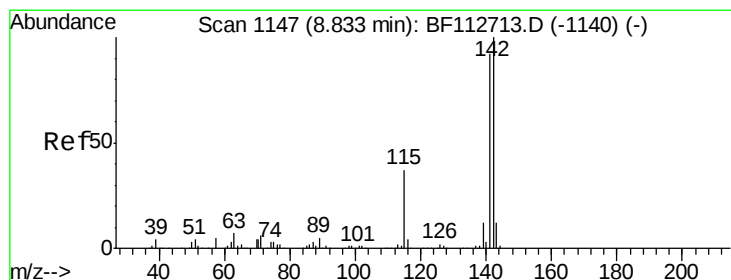
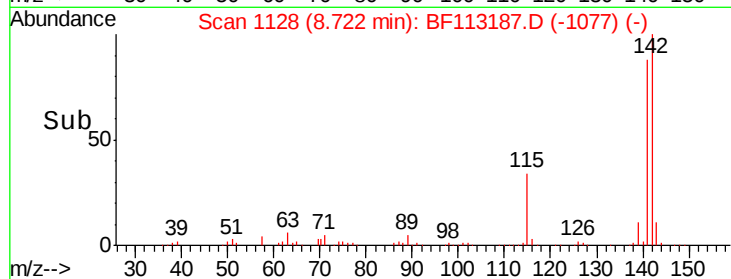
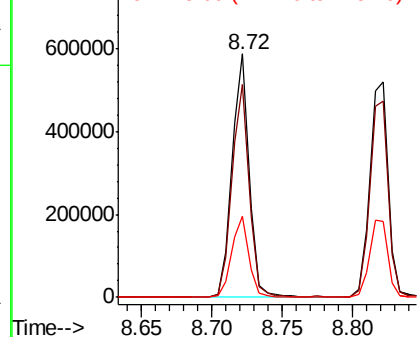


Abundance

Ion 142.00 (141.70 to 142.70): E

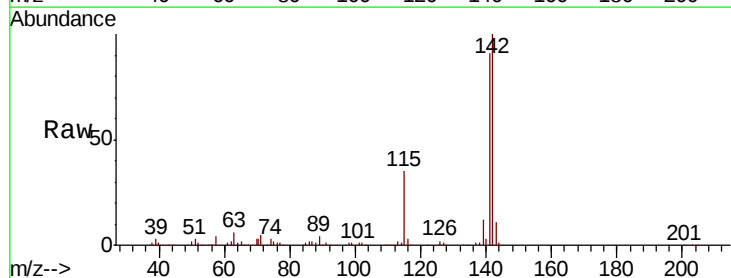
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 39.999 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.5	110.3
116	3.3	3.0	4.6

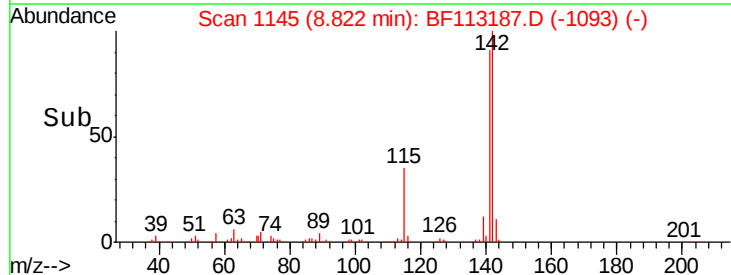
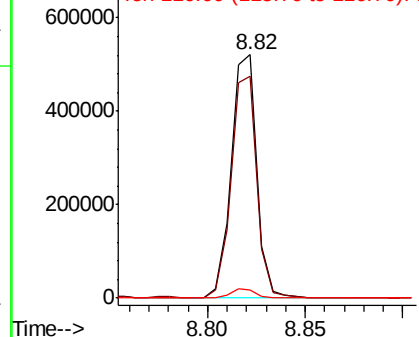


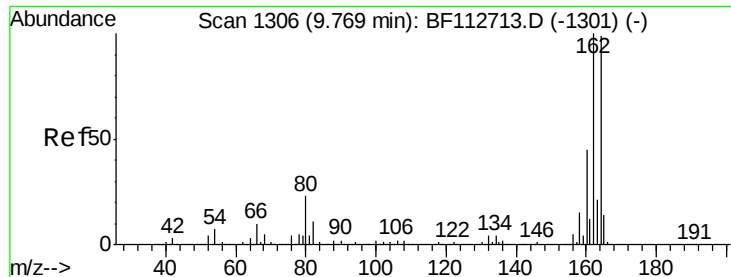
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

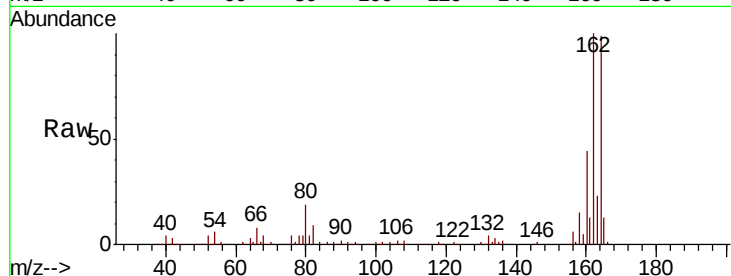




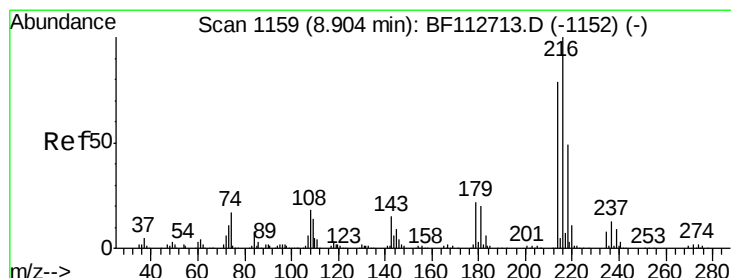
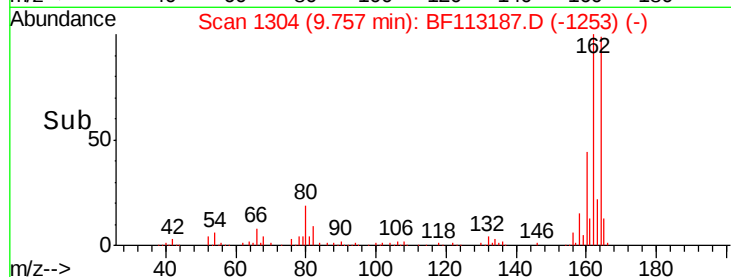
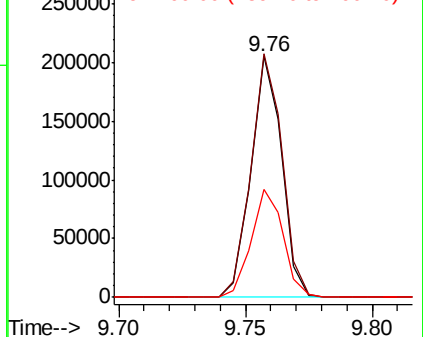
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 172796
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.8 121.2
 160 44.8 36.2 54.2

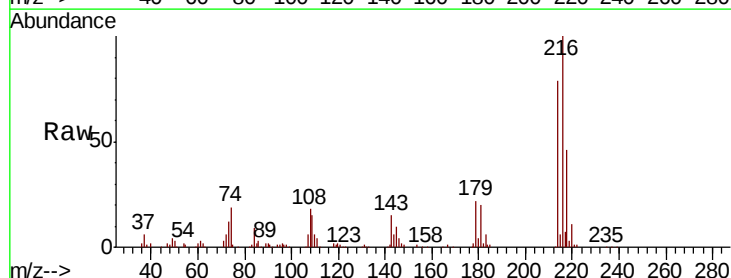


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

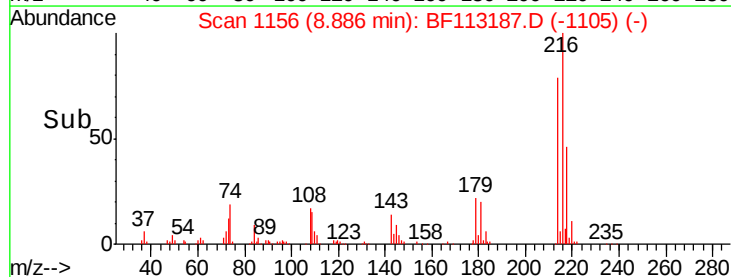
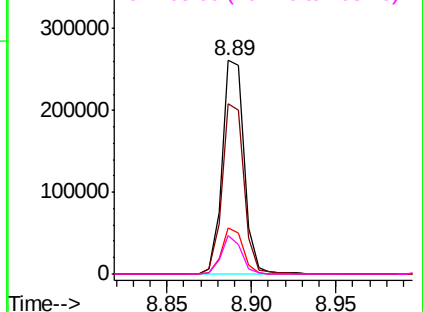


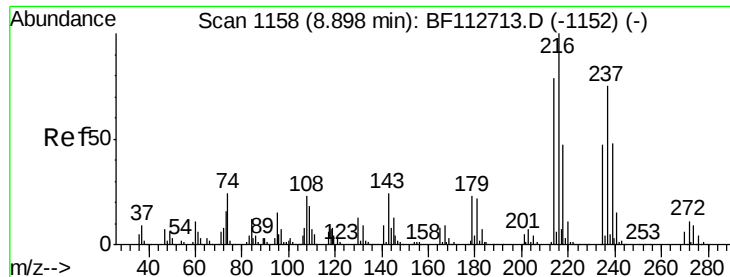
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.998 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:216 Resp: 236818
 Ion Ratio Lower Upper
 216 100
 214 79.2 63.2 94.8
 179 20.9 16.6 24.8
 108 16.3 14.2 21.2



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: 3.828 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

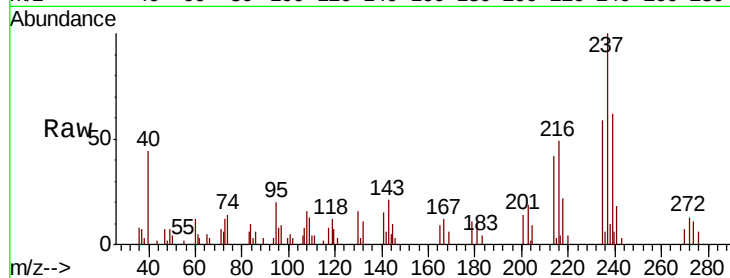
Tot Ion:237 Resp: 10564

Ion Ratio Lower Upper

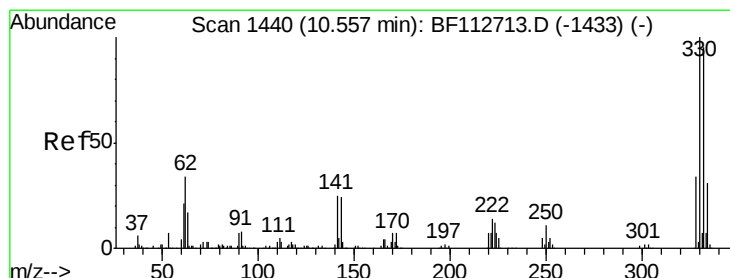
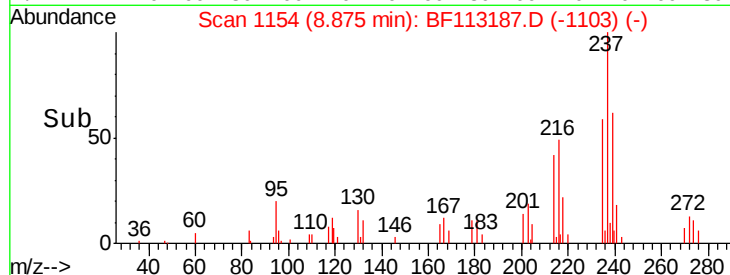
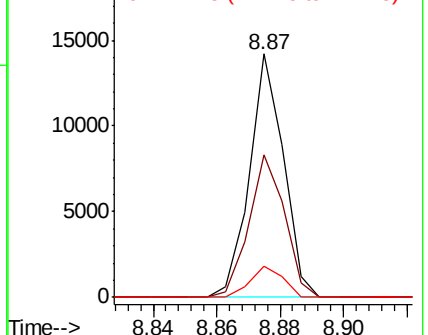
237 100

235 58.6 42.5 82.5

272 12.6 0.0 34.4



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



#42

2,4,6-Tribromophenol

Concen: 82.898 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

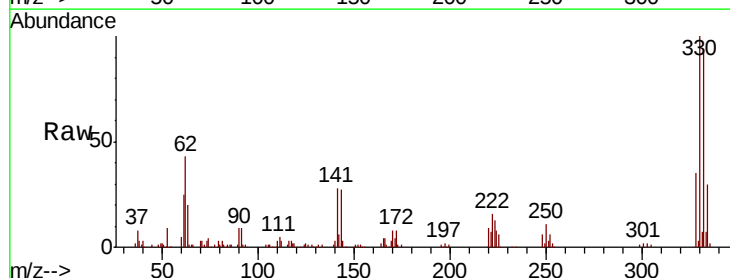
Tgt Ion:330 Resp: 152072

Ion Ratio Lower Upper

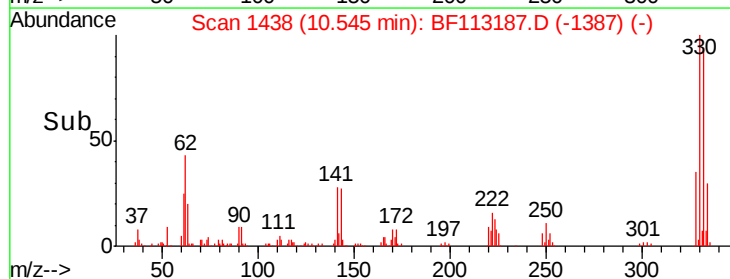
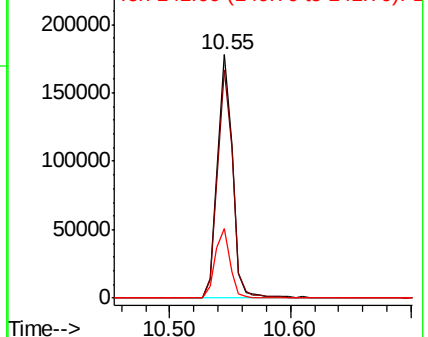
330 100

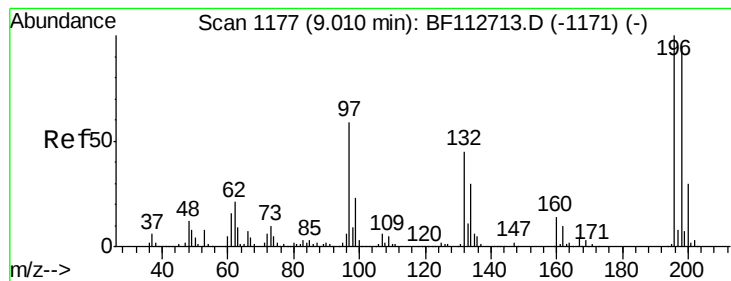
332 95.3 76.3 114.5

141 28.4 22.3 33.5



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: 36.876 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampled :

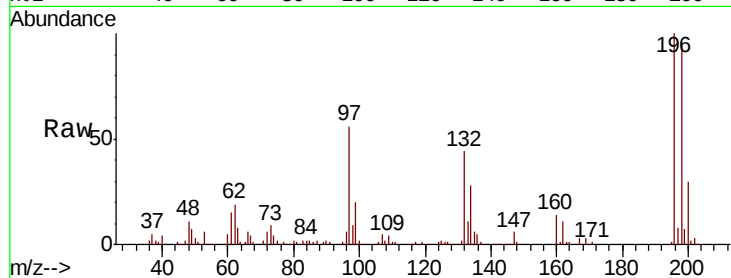
Tot Ion:196 Resp: 127883

Ion Ratio Lower Upper

196 100

198 96.1 77.3 115.9

200 30.0 25.8 38.8

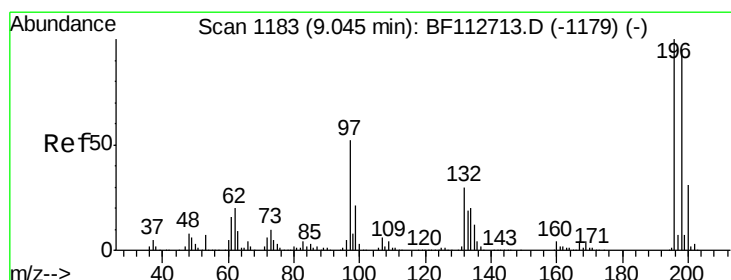
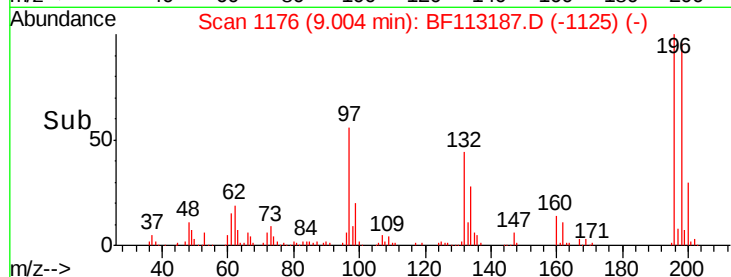
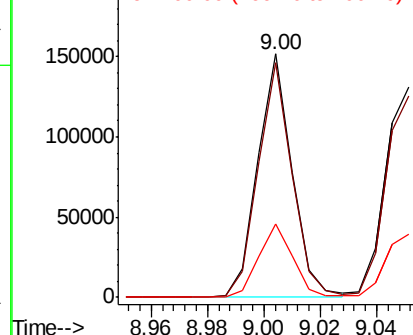


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 36.339 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Tgt Ion:196 Resp: 136213

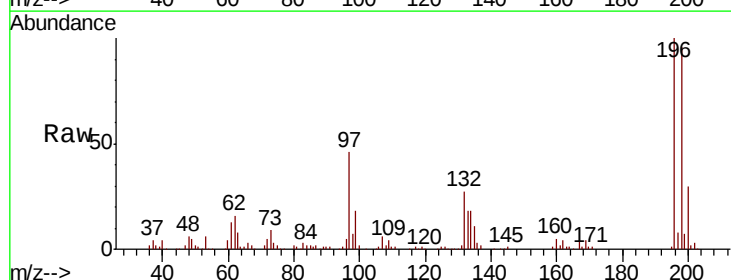
Ion Ratio Lower Upper

196 100

198 95.9 74.8 112.2

97 46.1 39.3 58.9

132 27.0 23.0 34.6



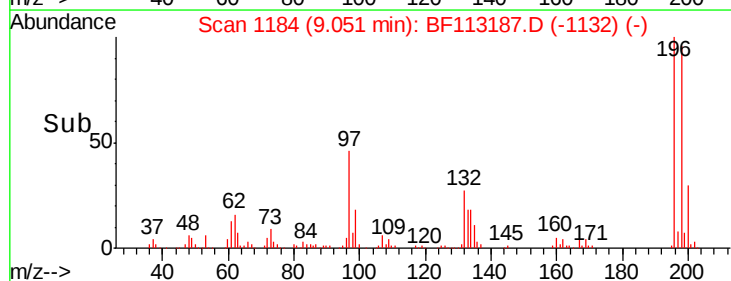
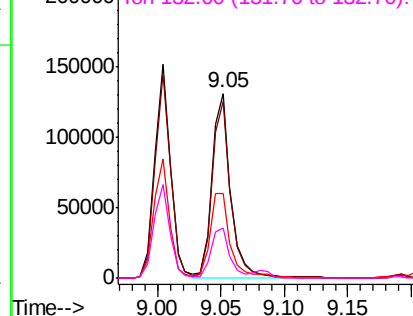
Abundance

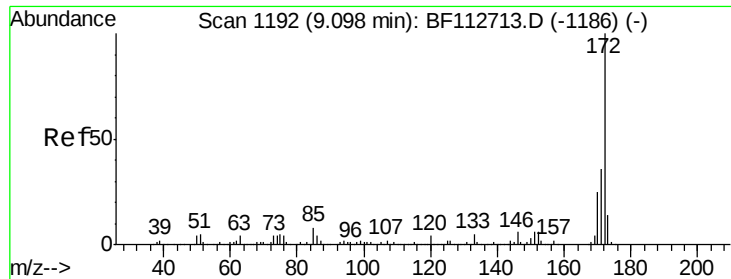
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



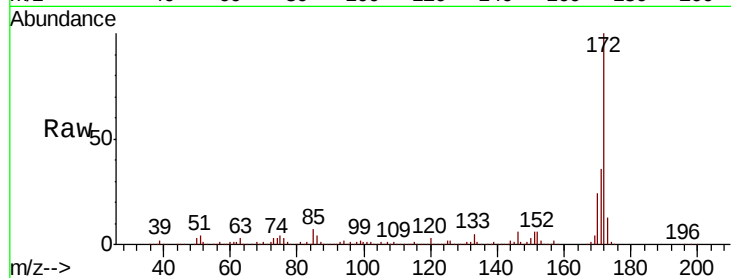


#45
 2-Fluorobiphenyl
 Concen: 101.902 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

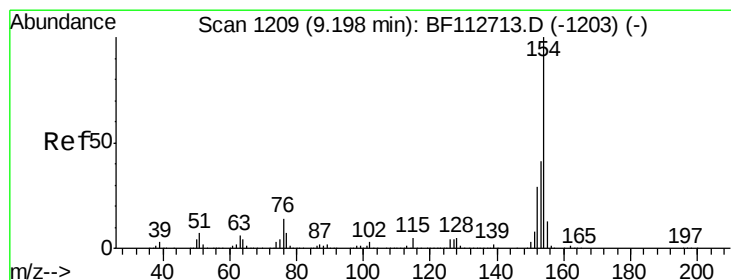
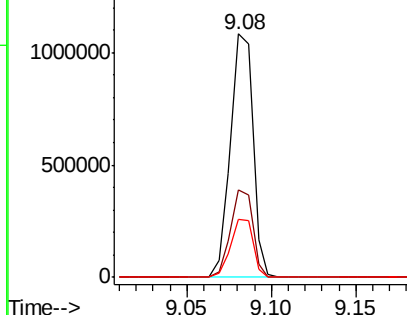
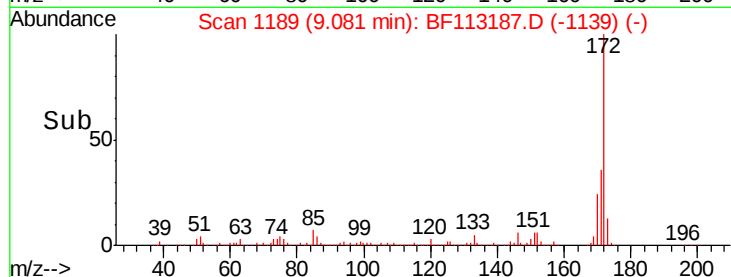
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1007480

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	23.9	20.1	30.1



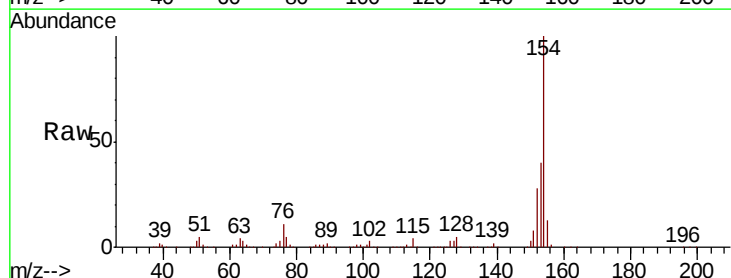
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



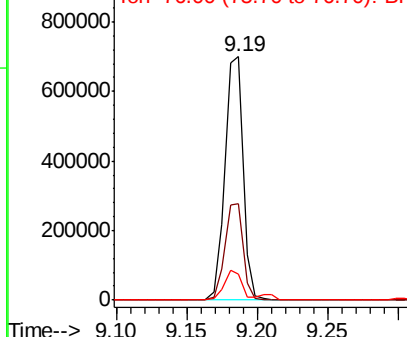
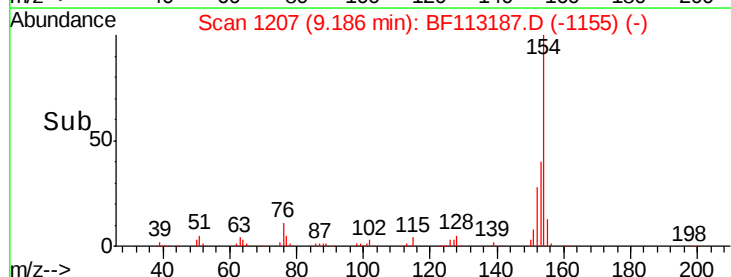
#46
 1,1'-Biphenyl
 Concen: 44.517 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

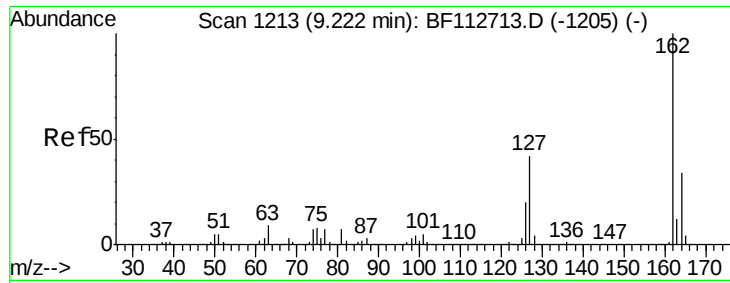
Tgt Ion:154 Resp: 627437

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.9	60.9
76	10.6	0.0	33.5



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

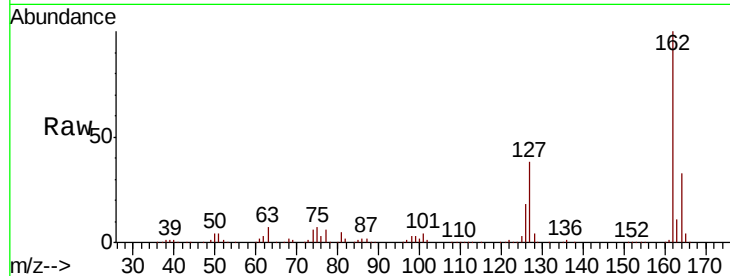




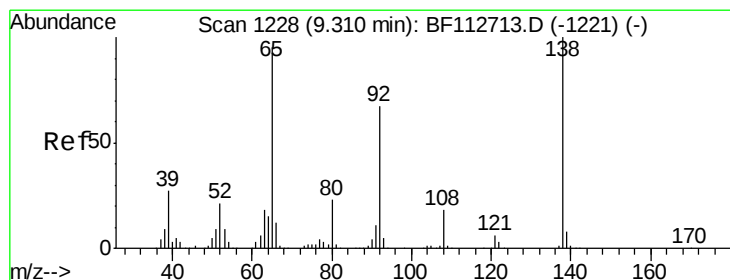
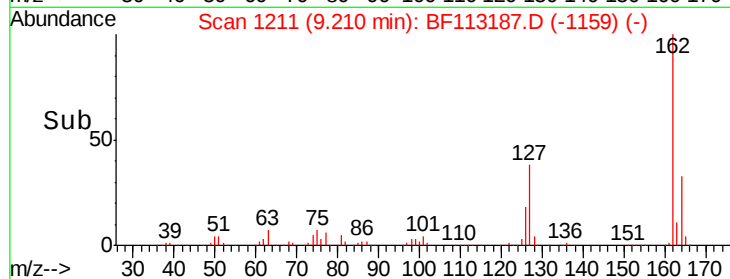
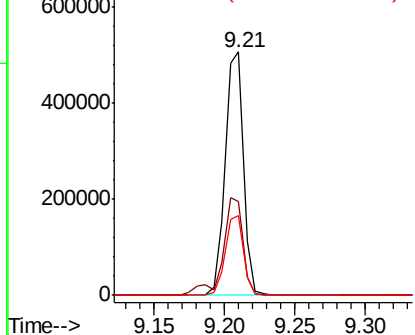
#47
 2-Chloronaphthalene
 Concen: 41.309 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 454614
 Ion Ratio Lower Upper
 162 100
 127 38.5 33.3 49.9
 164 32.9 26.2 39.2

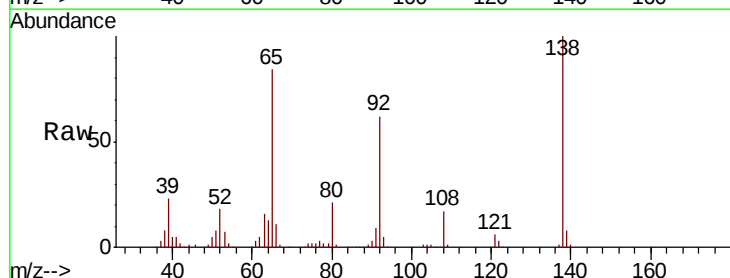


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

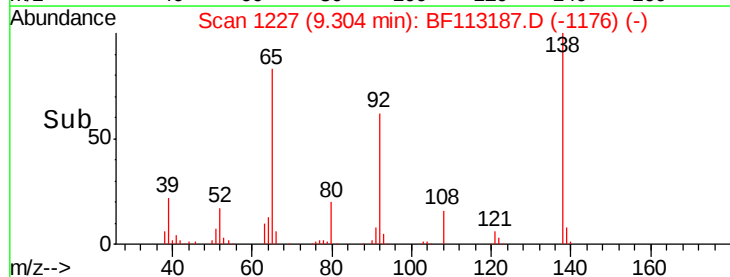
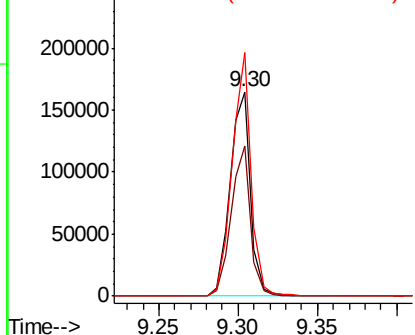


#48
 2-Nitroaniline
 Concen: 43.651 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion: 65 Resp: 146016
 Ion Ratio Lower Upper
 65 100
 92 73.4 56.5 84.7
 138 119.4 90.1 135.1



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

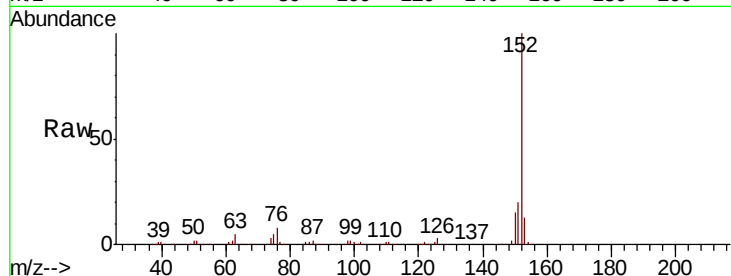




#49
Acenaphthylene
Concen: 40.073 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.5	24.7
153	13.1	10.7	16.1

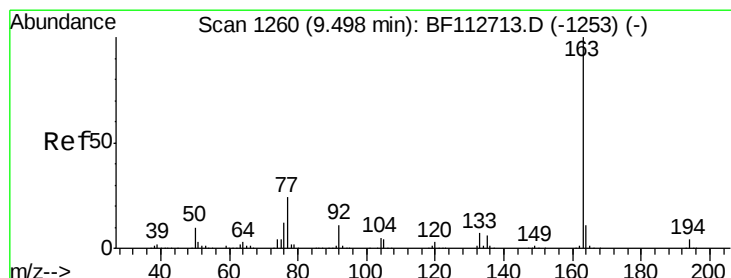
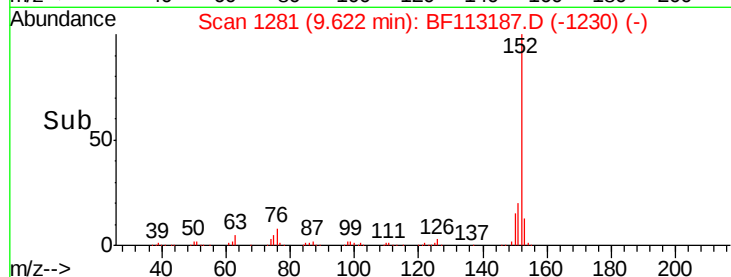
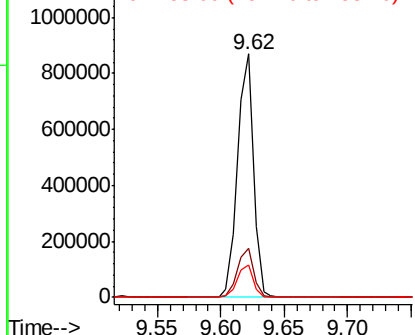


Abundance

Ion 152.00 (151.70 to 152.70): E

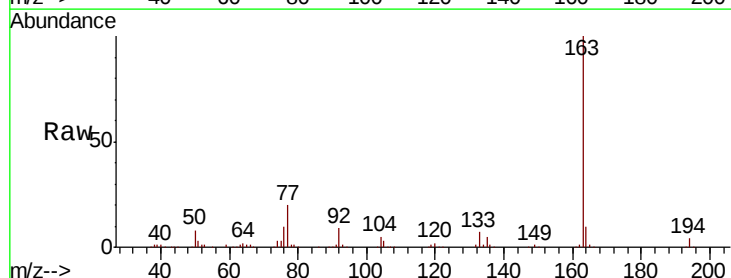
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 43.393 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.6	12.8

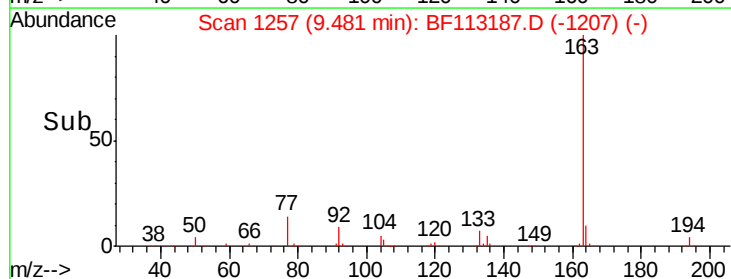
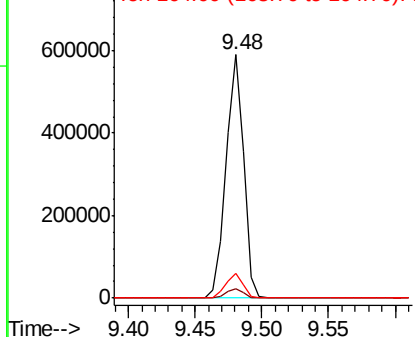


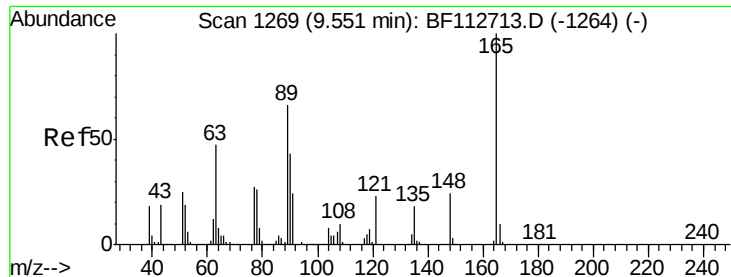
Abundance

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

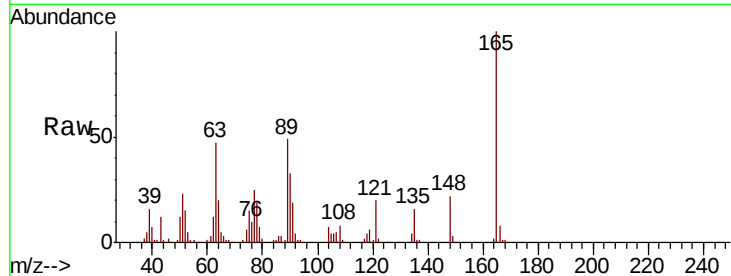




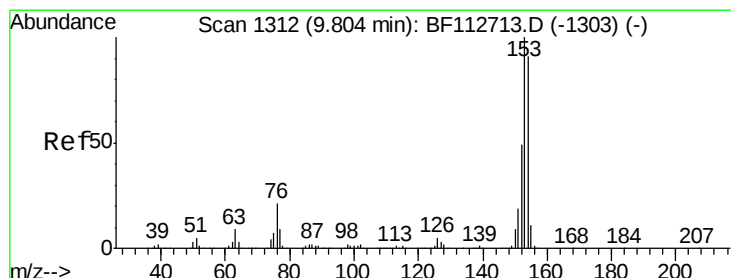
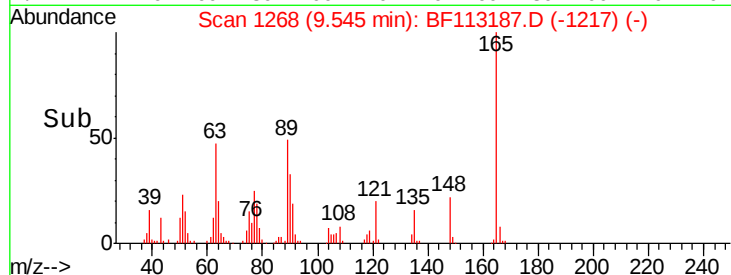
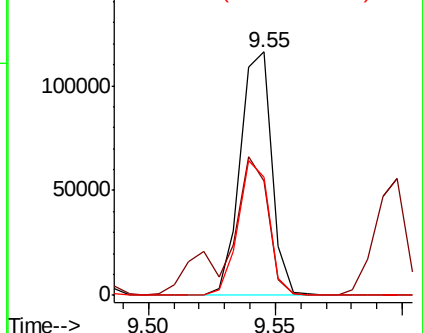
#51
 2,6-Dinitrotoluene
 Concen: 37.817 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 100336
 Ion Ratio Lower Upper
 165 100
 63 46.8 45.4 68.2
 89 48.5 43.8 65.6

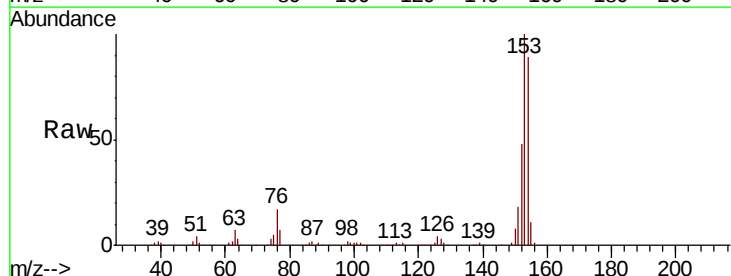


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

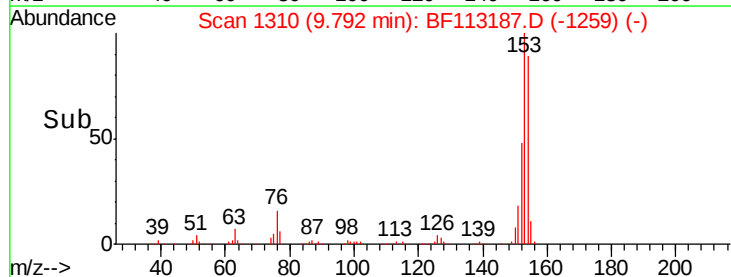
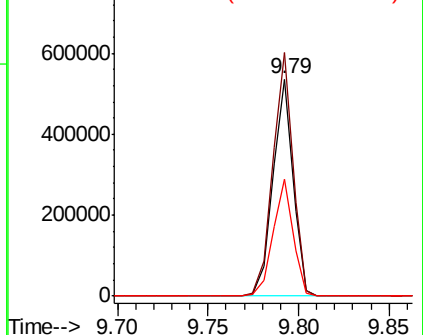


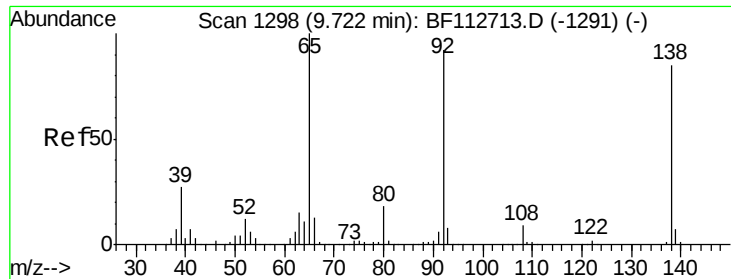
#52
 Acenaphthene
 Concen: 37.711 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:154 Resp: 412016
 Ion Ratio Lower Upper
 154 100
 153 112.1 89.9 134.9
 152 53.9 43.4 65.2



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

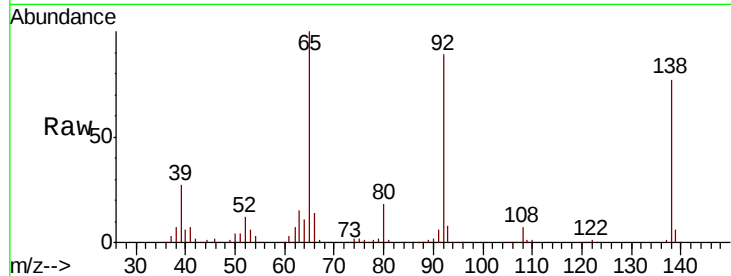




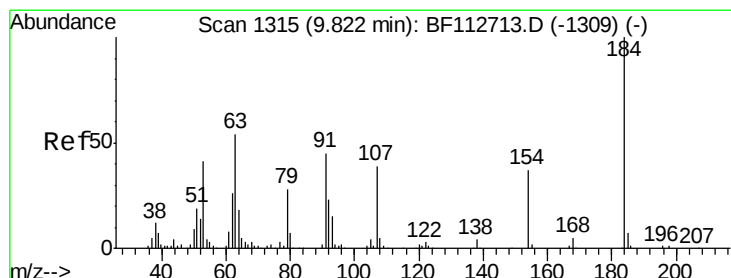
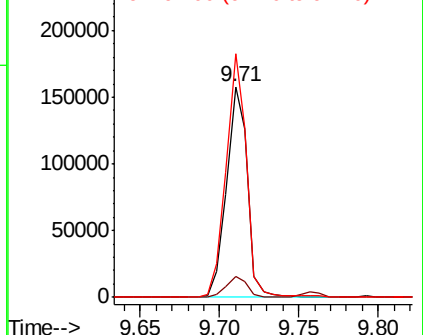
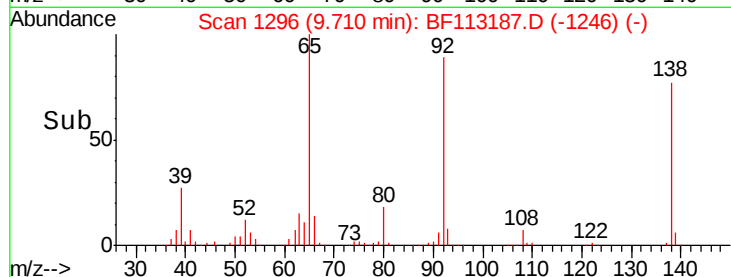
#53
 3-Nitroaniline
 Concen: 44.468 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:138 Resp: 143763
 Ion Ratio Lower Upper
 138 100
 108 9.6 7.9 11.9
 92 115.5 89.0 133.6

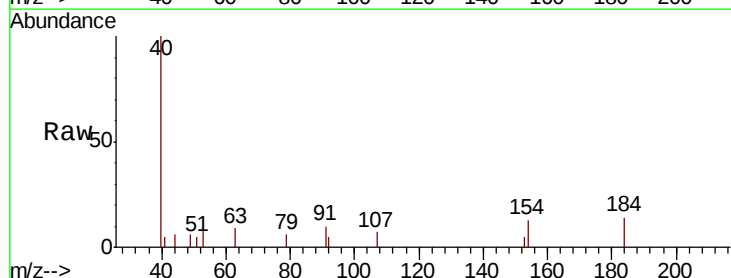


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

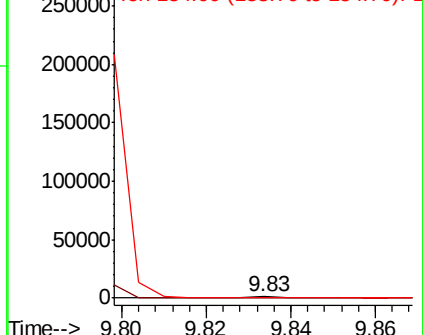
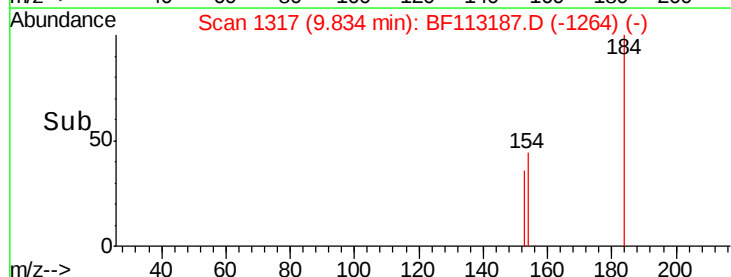


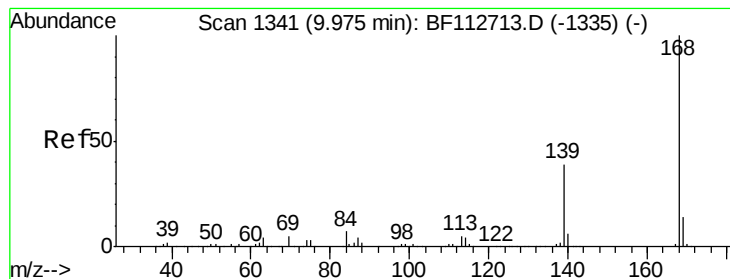
#54
 2,4-Dinitrophenol
 Concen: 7.183 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:184 Resp: 861
 Ion Ratio Lower Upper
 184 100
 63 60.7 52.1 78.1
 154 87.9 46.2 69.4#



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: 40.234 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

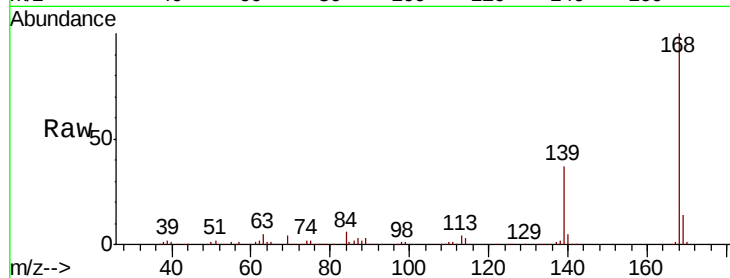
Tot Ion:168 Resp: 638902

Ion Ratio Lower Upper

168 100

139 37.1 30.7 46.1

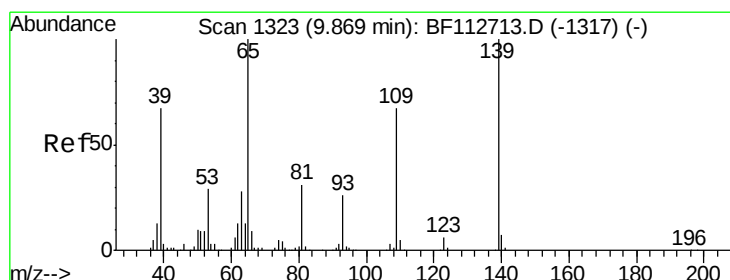
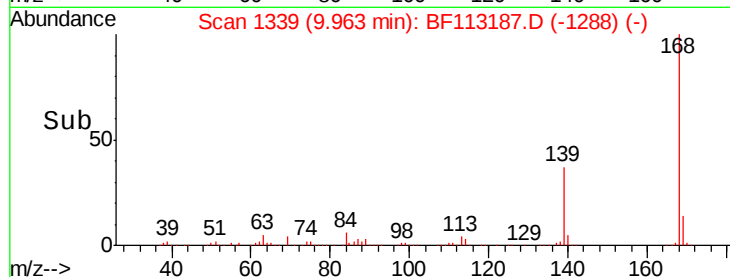
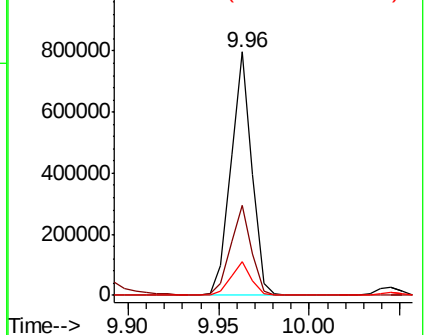
169 13.7 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 24.757 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

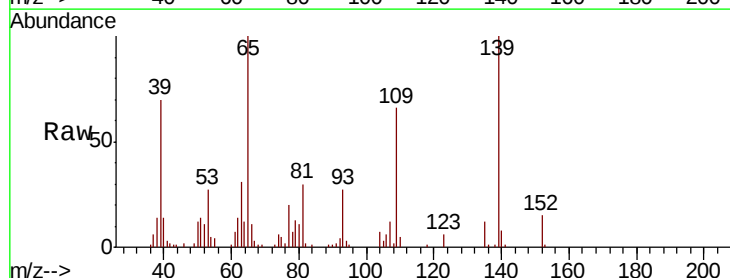
Tgt Ion:139 Resp: 65049

Ion Ratio Lower Upper

139 100

109 66.6 45.4 85.4

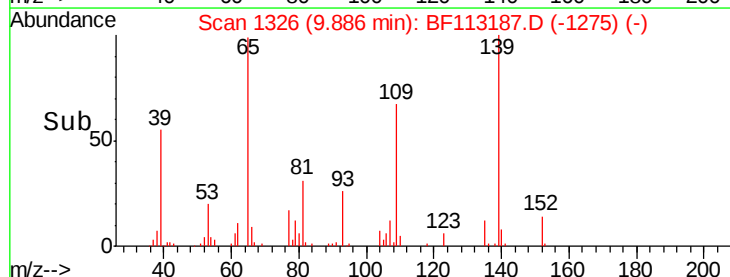
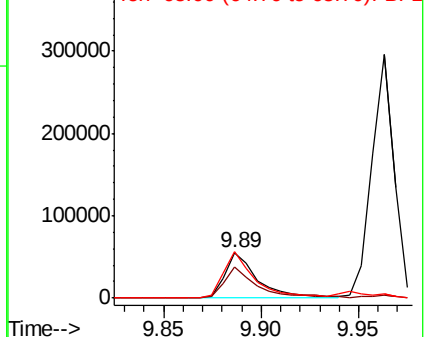
65 100.3 80.1 120.1

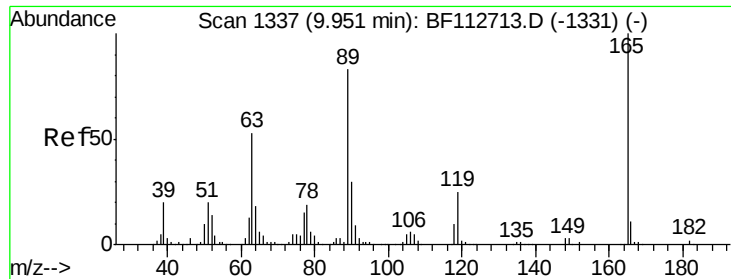


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

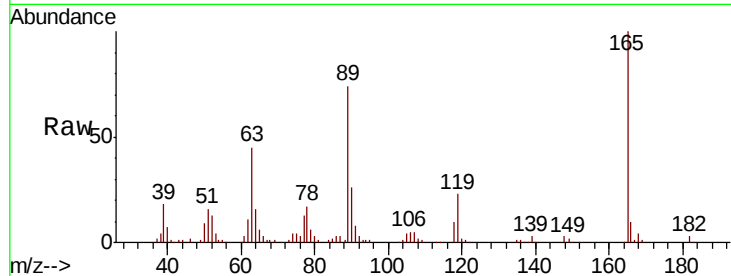




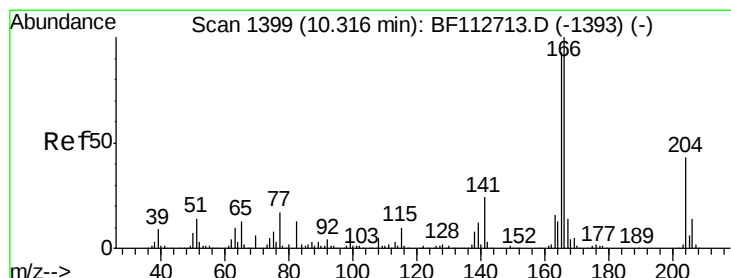
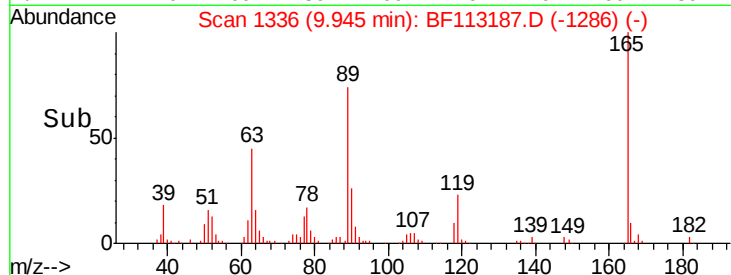
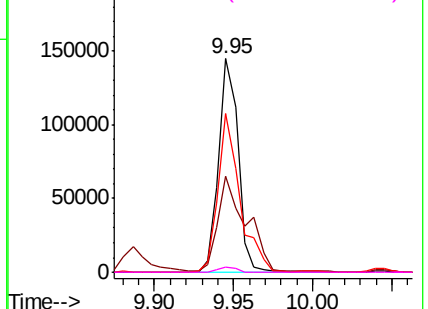
#57
2,4-Dinitrotoluene
Concen: 37.336 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	123134
Ion	Ratio	Lower	Upper
165	100		
63	45.1	37.9	56.9
89	74.0	58.5	87.7
182	2.7	2.2	3.2

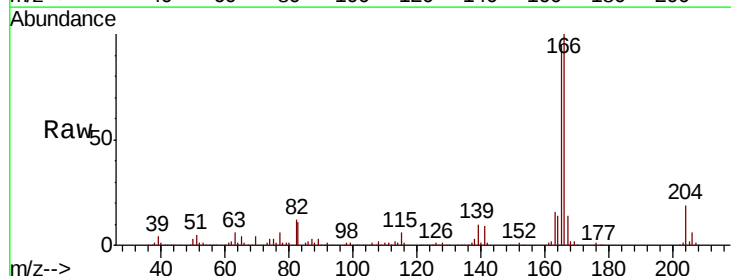


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

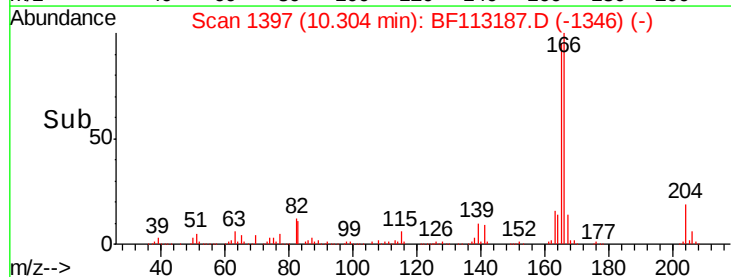
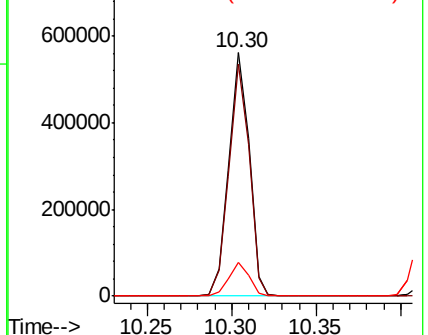


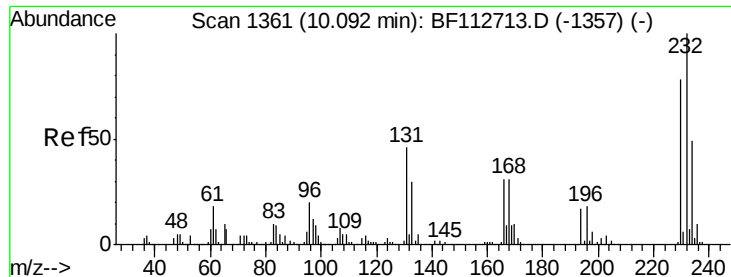
#58
Fluorene
Concen: 41.979 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:	166	Resp:	473124
Ion	Ratio	Lower	Upper
166	100		
165	95.3	75.4	113.2
167	13.9	11.0	16.6



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

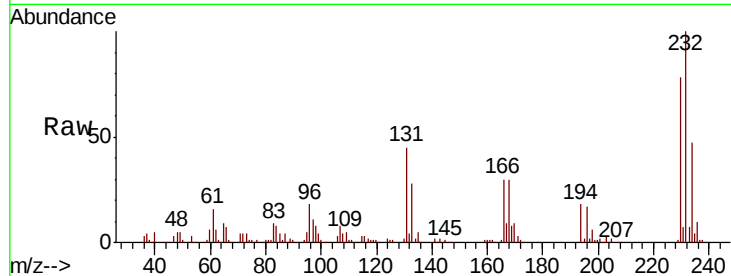




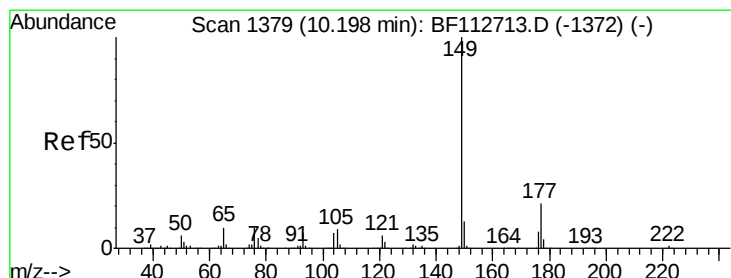
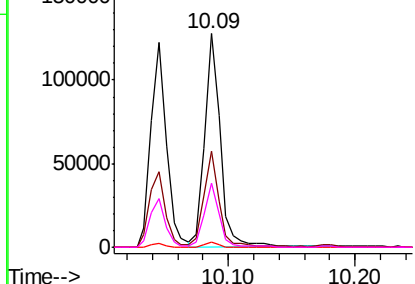
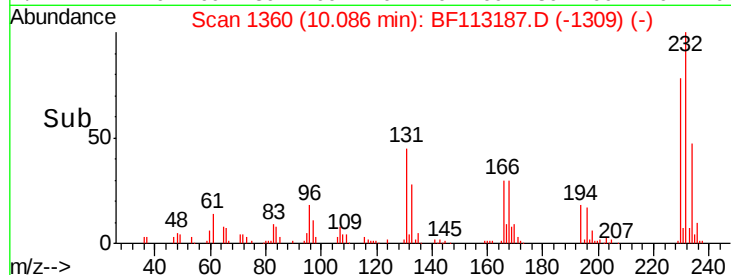
#59
2,3,4,6-Tetrachlorophenol
Concen: 35.278 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.9	35.5	53.3
130	1.8	1.6	2.4
166	29.1	23.2	34.8

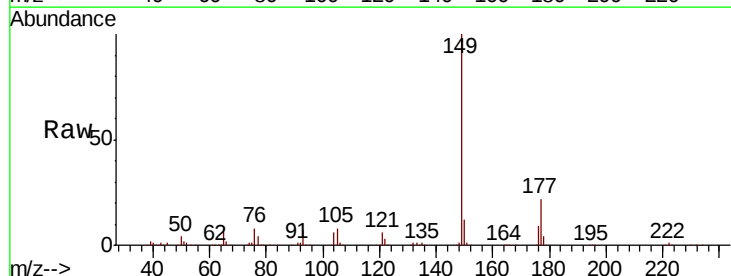


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

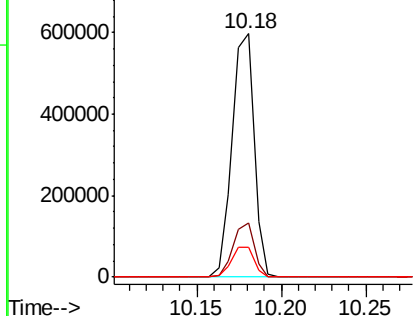
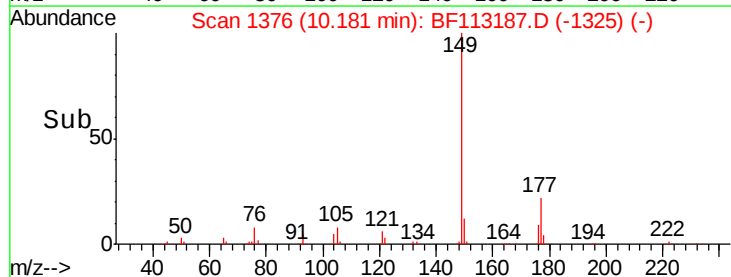


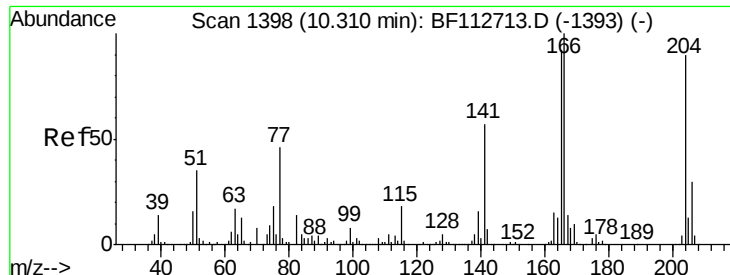
#60
Diethylphthalate
Concen: 40.264 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.7	26.5
150	12.4	10.2	15.4



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

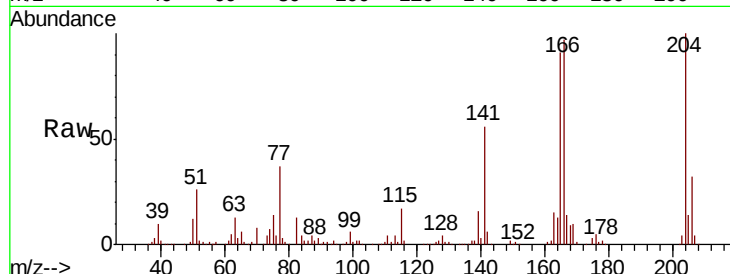




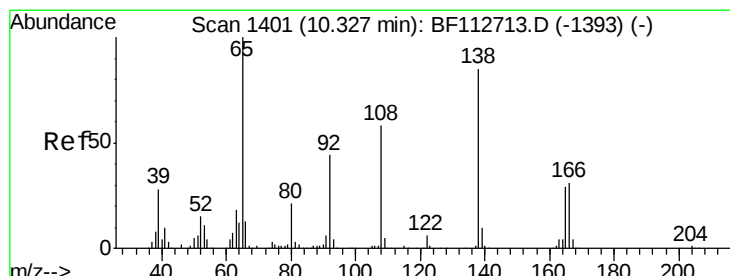
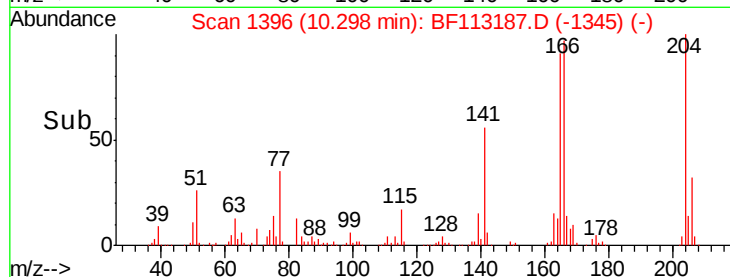
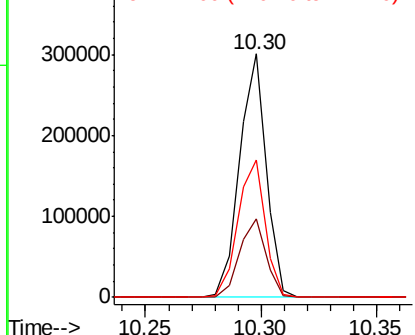
#61
4-Chlorophenyl-phenylether
Concen: 46.367 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:204 Resp: 243136
Ion Ratio Lower Upper
204 100
206 32.2 26.1 39.1
141 56.5 44.2 66.2

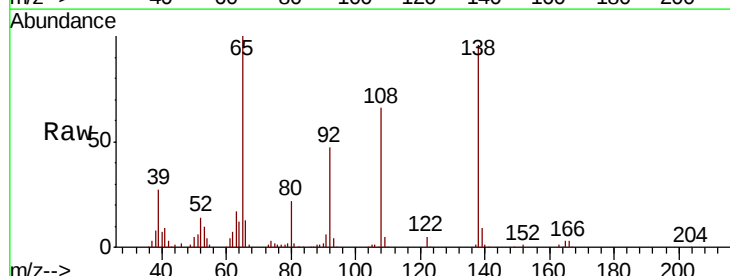


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

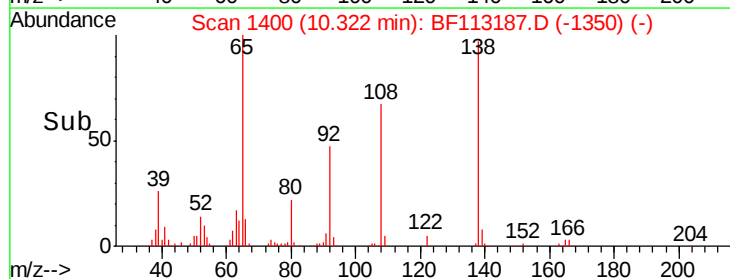
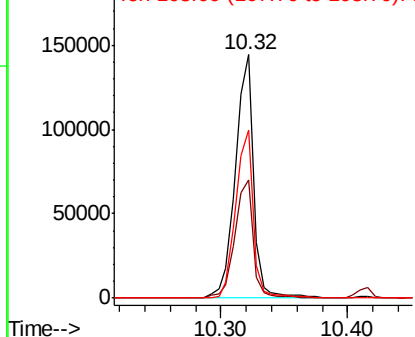


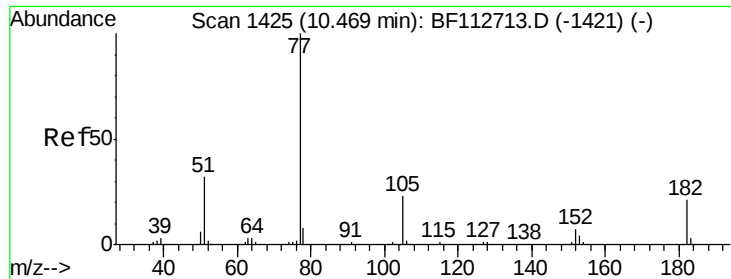
#62
4-Nitroaniline
Concen: 47.708 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:138 Resp: 142525
Ion Ratio Lower Upper
138 100
92 48.6 29.8 69.8
108 68.8 47.4 87.4



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: 34.050 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 469310

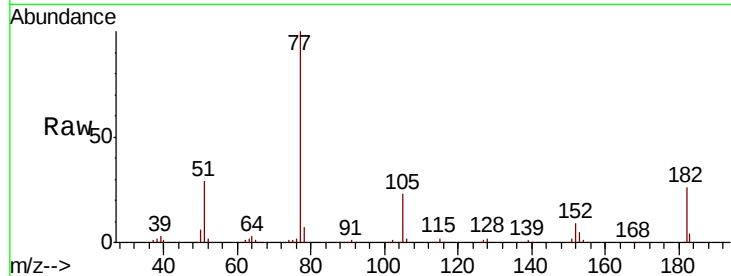
Ion Ratio Lower Upper

77 100

182 26.1 5.6 45.6

105 22.5 2.6 42.6

51 29.4 10.5 50.5

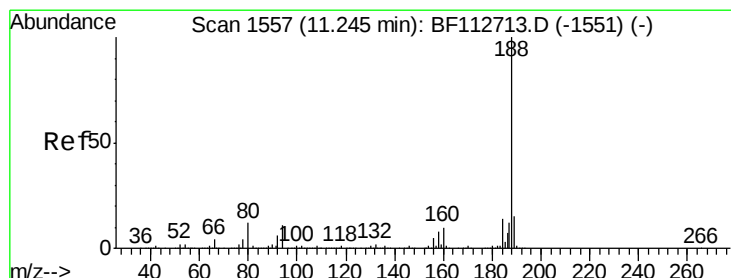
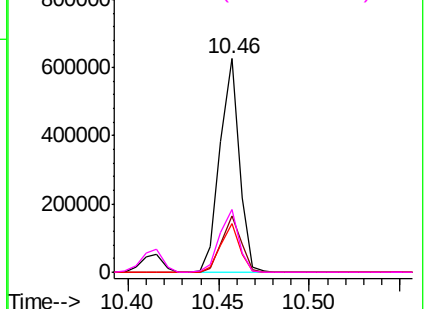
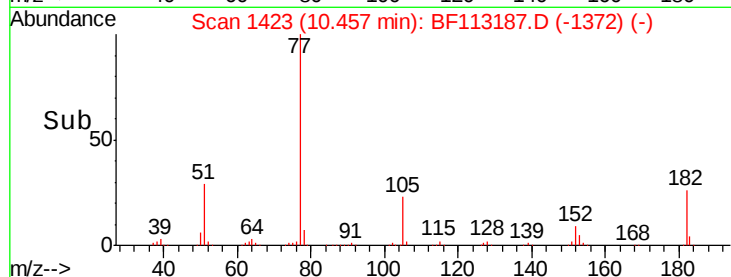


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

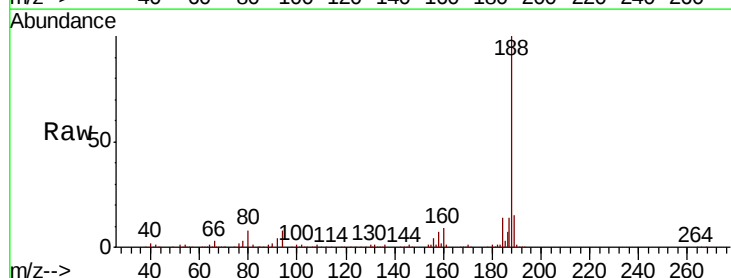
Tgt Ion: 188 Resp: 313490

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

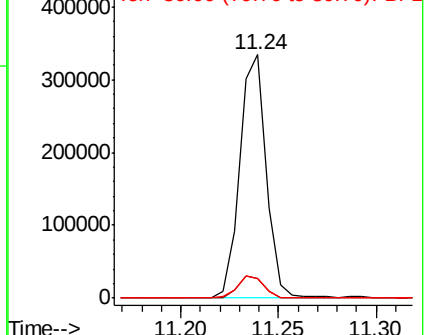
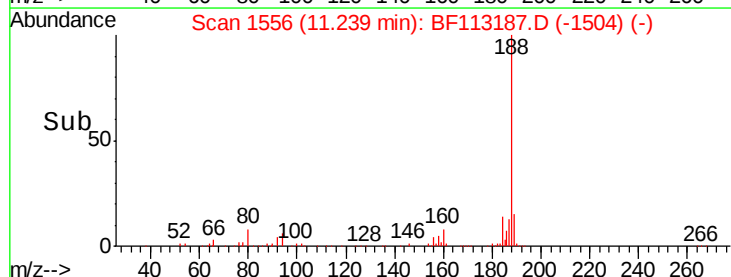
80 8.3 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

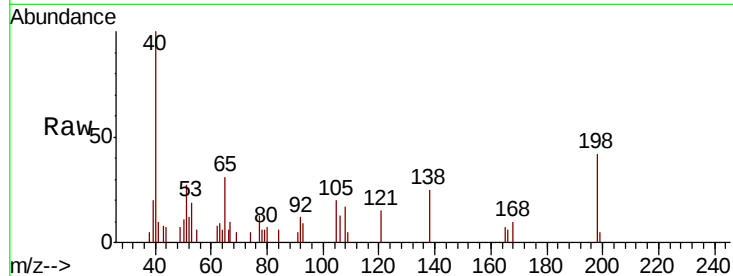




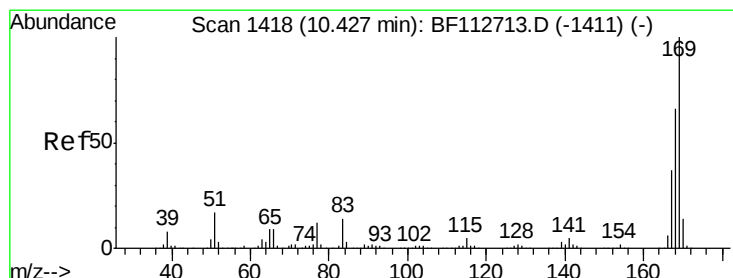
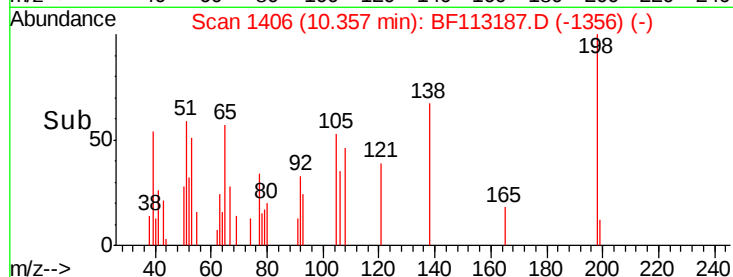
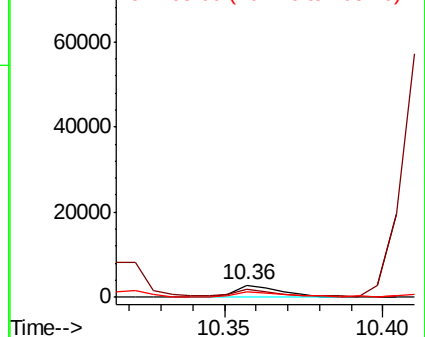
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.474 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 2653
 Ion Ratio Lower Upper
 198 100
 51 63.3 25.5 65.5
 105 46.9 23.2 63.2

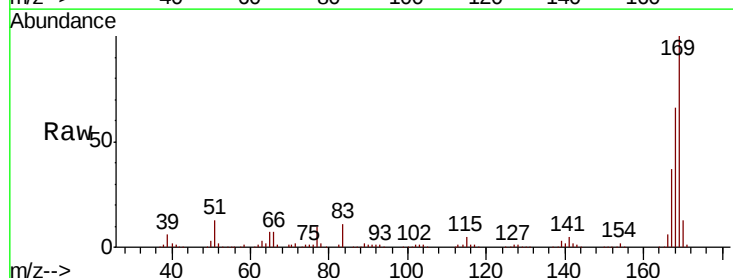


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

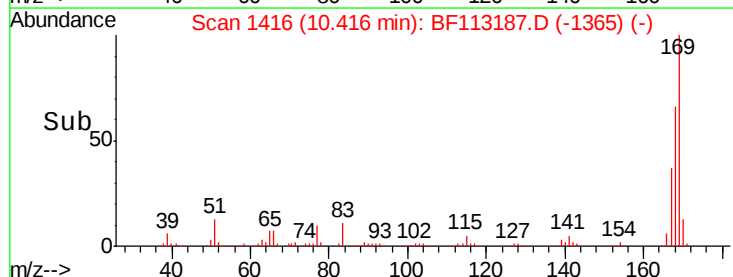
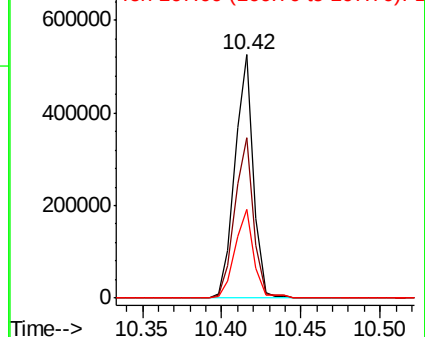


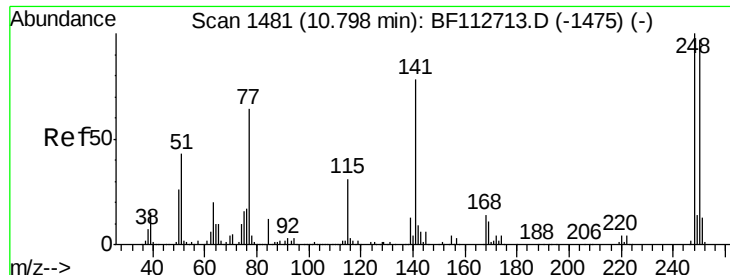
#66
 n-Nitrosodiphenylamine
 Concen: 42.220 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:169 Resp: 424477
 Ion Ratio Lower Upper
 169 100
 168 65.7 53.8 80.8
 167 36.6 29.5 44.3



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

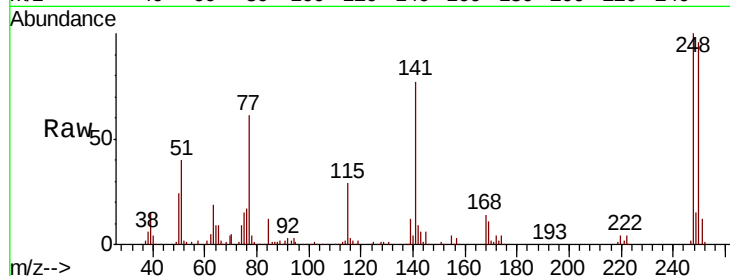




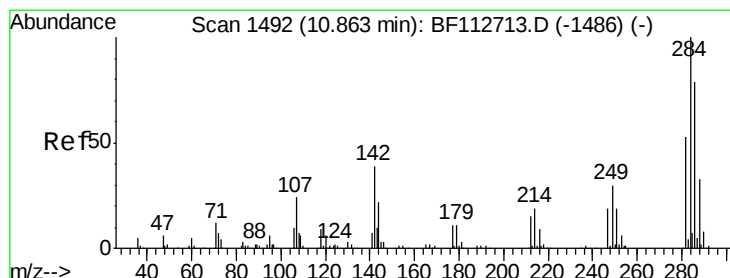
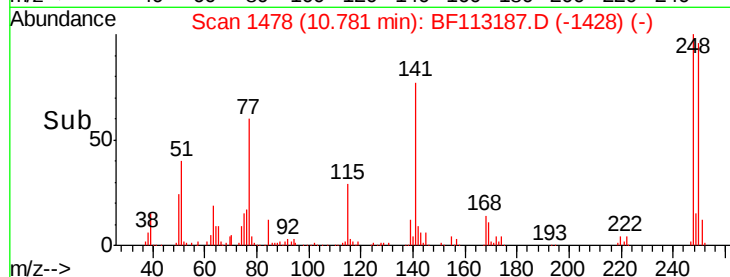
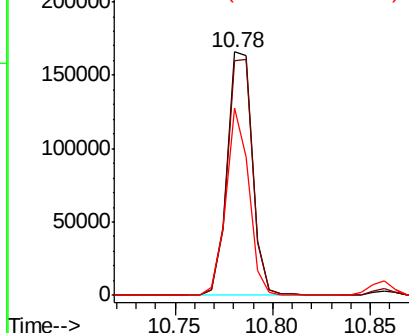
#67
4-Bromophenyl-phenylether
Concen: 45.295 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 149562
Ion Ratio Lower Upper
248 100
250 96.4 78.4 117.6
141 76.9 45.9 68.9#

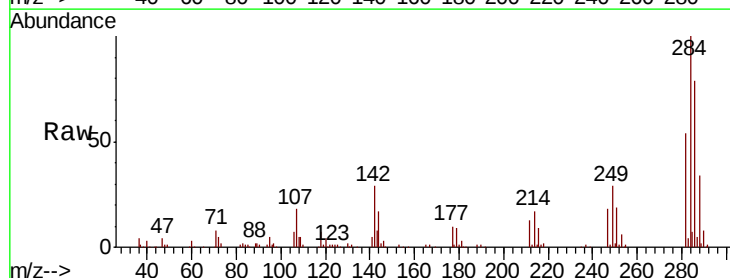


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

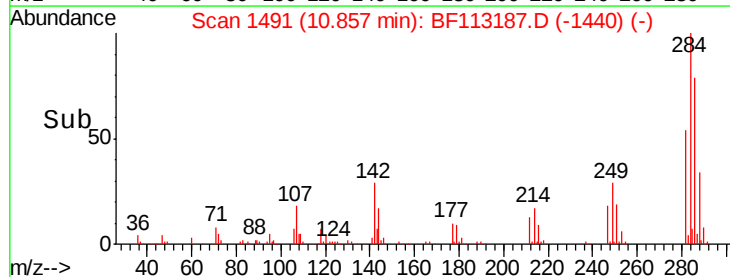
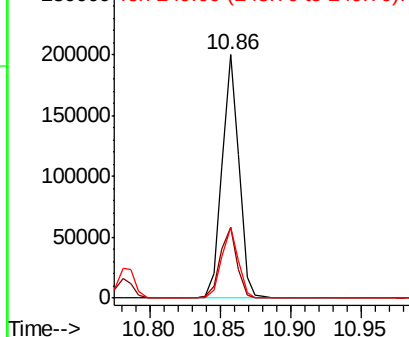


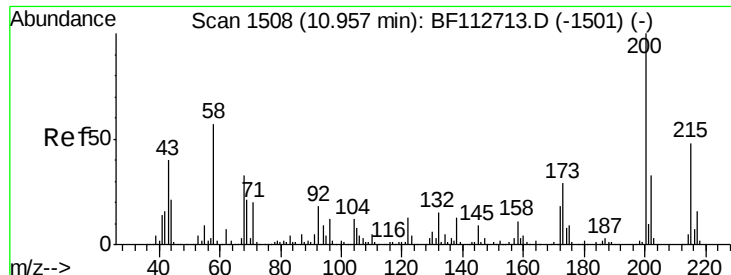
#68
Hexachlorobenzene
Concen: 44.681 ng
RT: 10.86 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:284 Resp: 166311
Ion Ratio Lower Upper
284 100
142 28.9 22.2 33.4
249 29.1 22.6 34.0



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

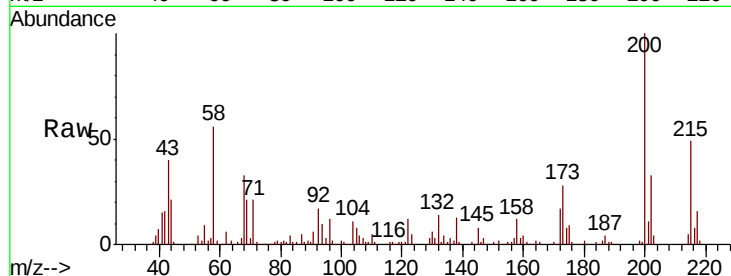




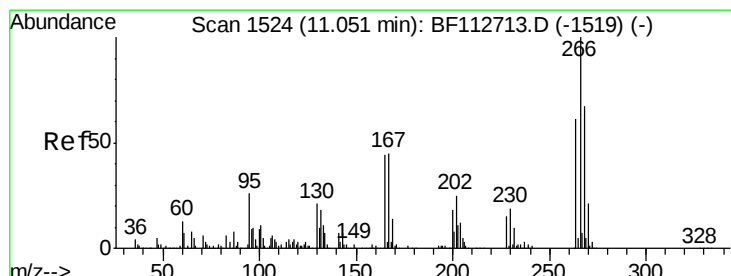
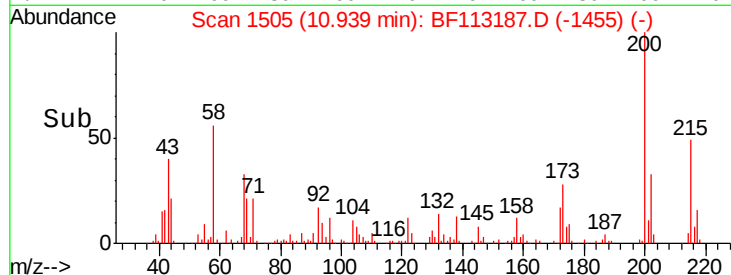
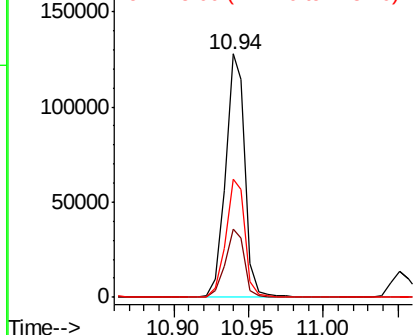
#69
Atrazine
Concen: 38.249 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:200 Resp: 117775
Ion Ratio Lower Upper
200 100
173 27.8 8.2 48.2
215 48.5 28.3 68.3

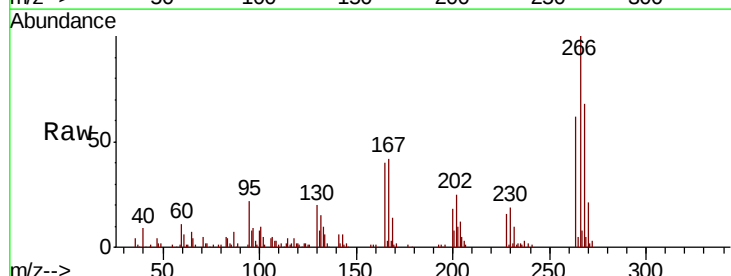


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

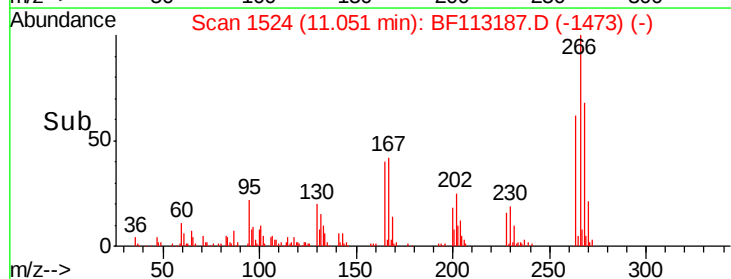
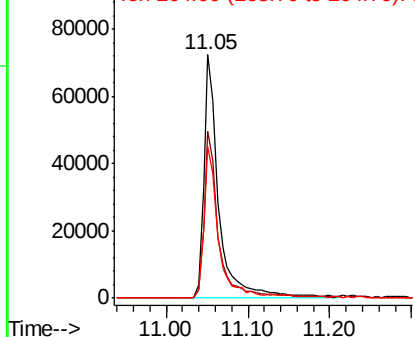


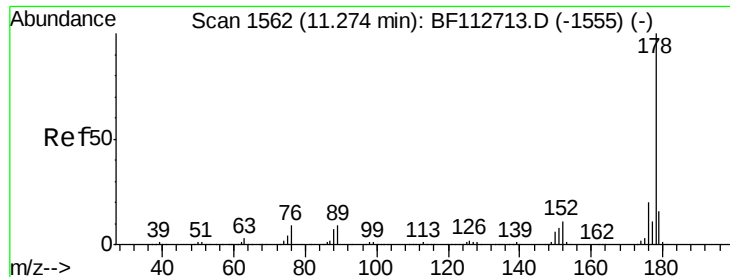
#70
Pentachlorophenol
Concen: 42.325 ng
RT: 11.05 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:266 Resp: 92725
Ion Ratio Lower Upper
266 100
268 68.3 52.9 79.3
264 62.3 49.3 73.9



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

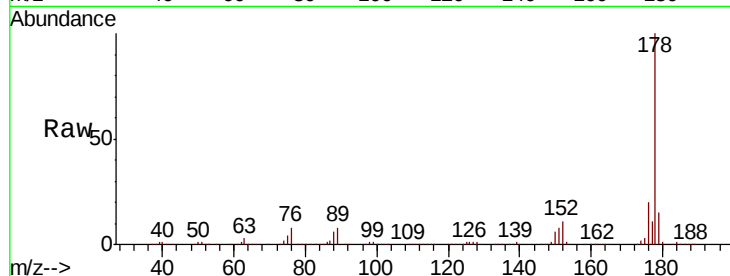




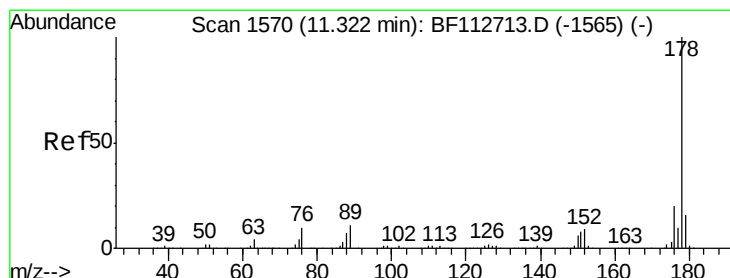
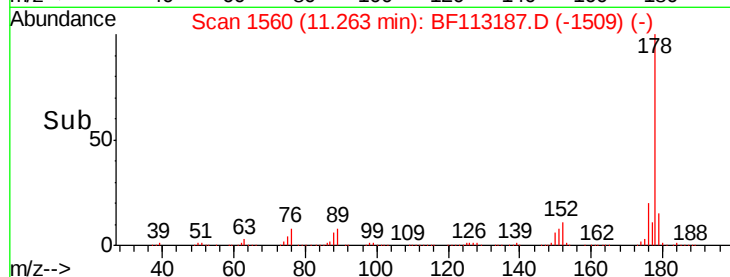
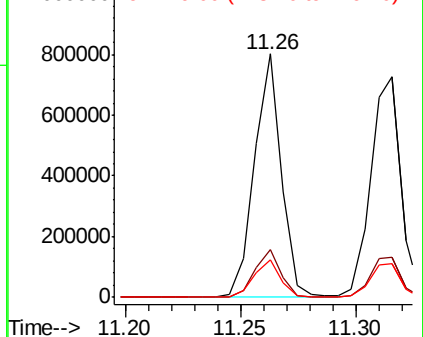
#71
 Phenanthrene
 Concen: 41.894 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 653441
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.3 13.0 19.4

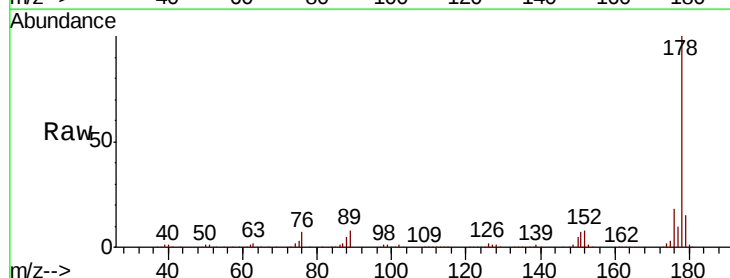


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

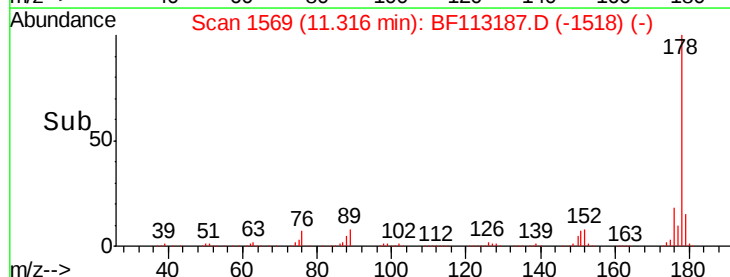
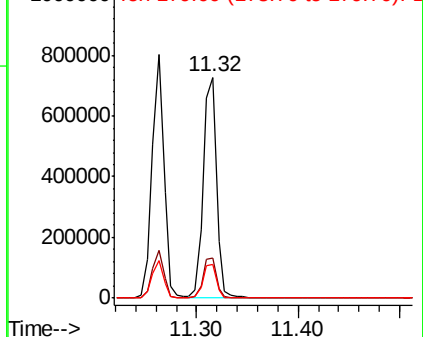


#72
 Anthracene
 Concen: 40.832 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:178 Resp: 666669
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.4 12.4 18.6



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





#73

Carbazole

Concen: 39.744 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampled :

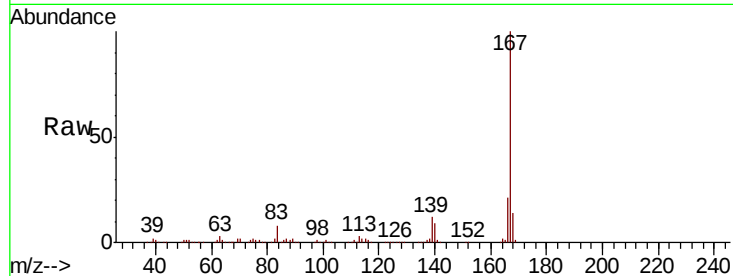
Tot Ion:167 Resp: 633012

Ion Ratio Lower Upper

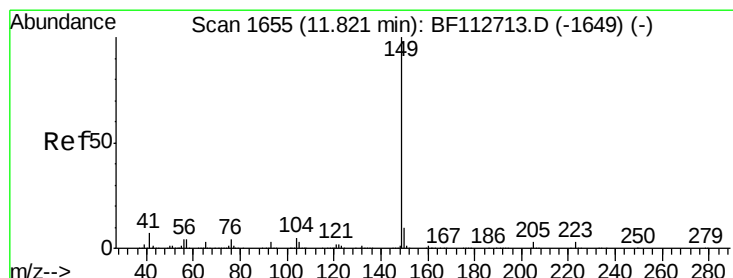
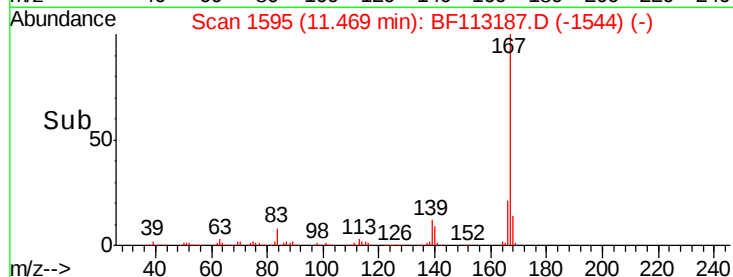
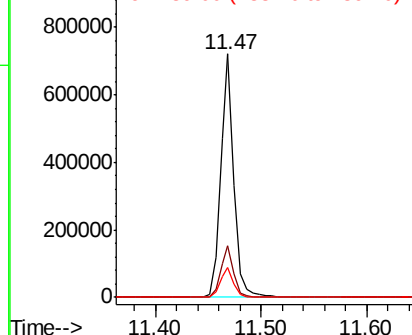
167 100

166 21.1 17.8 26.6

139 12.3 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 41.855 ng

RT: 11.80 min Scan# 1652

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

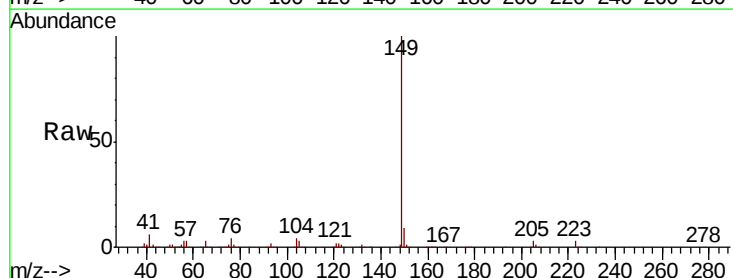
Tgt Ion:149 Resp: 799325

Ion Ratio Lower Upper

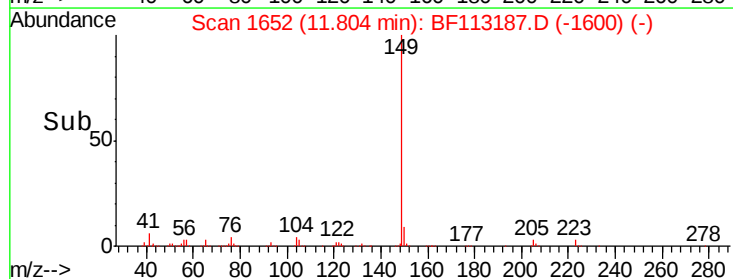
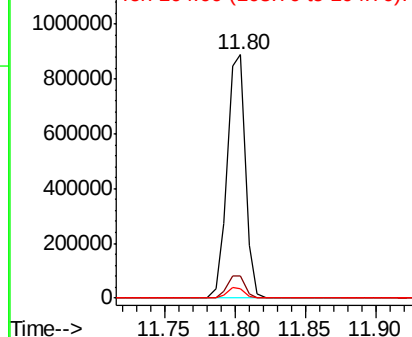
149 100

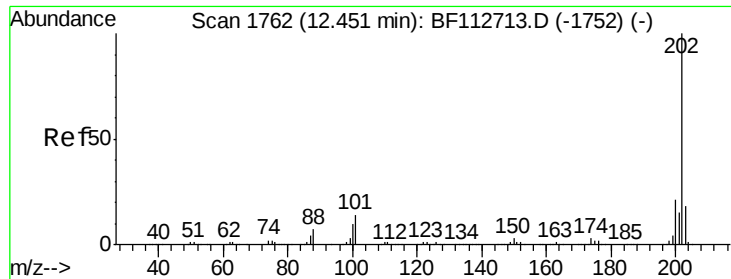
150 9.3 7.8 11.8

104 4.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

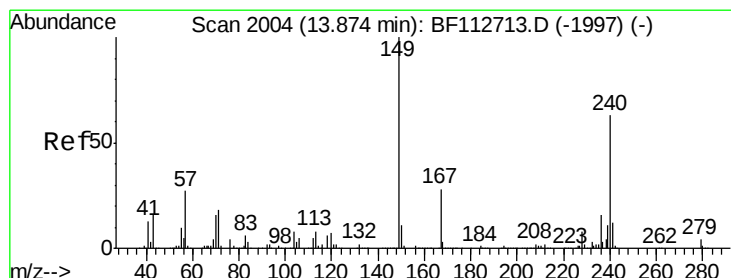
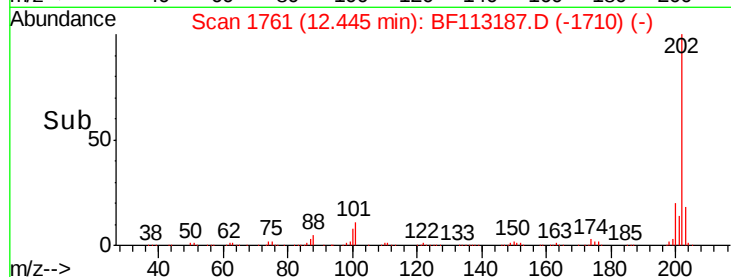
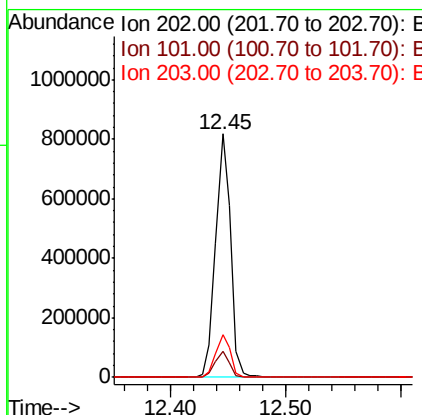
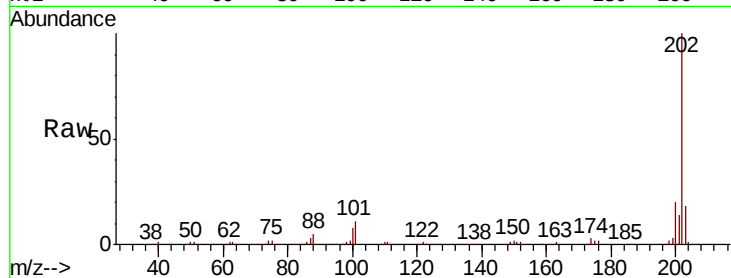




#75
Fluoranthene
Concen: 43.863 ng
RT: 12.45 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

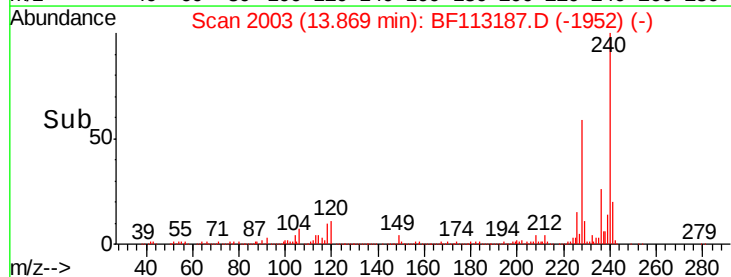
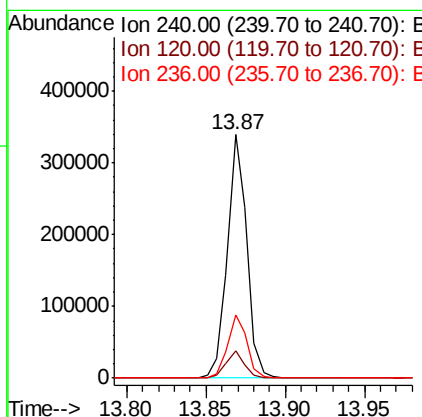
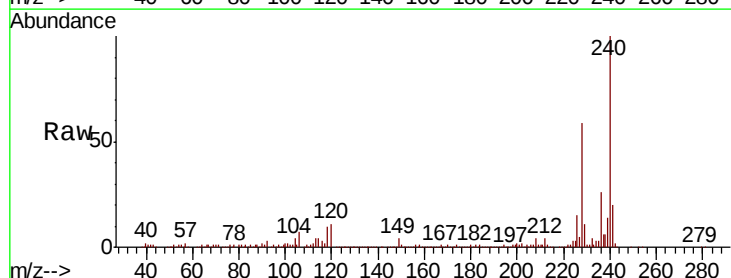
Instrument :
BNA_F
ClientSampled :

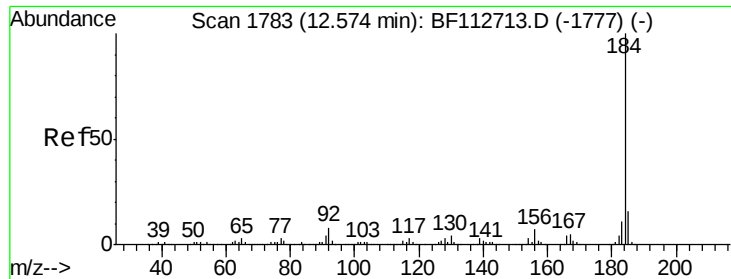
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.9
203	17.8	0.0	38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	12.8
236	26.1	21.2	31.8

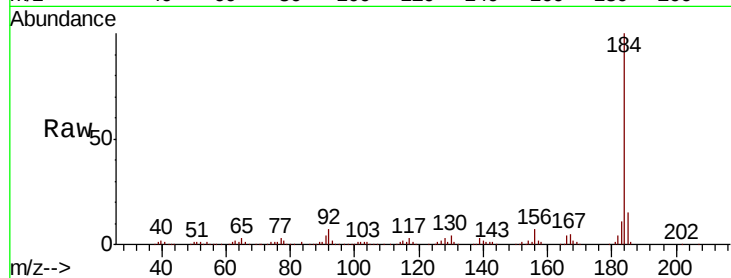




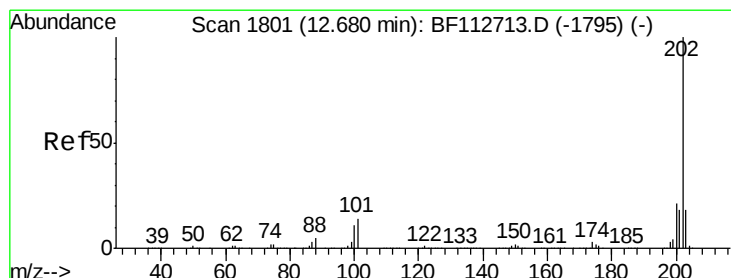
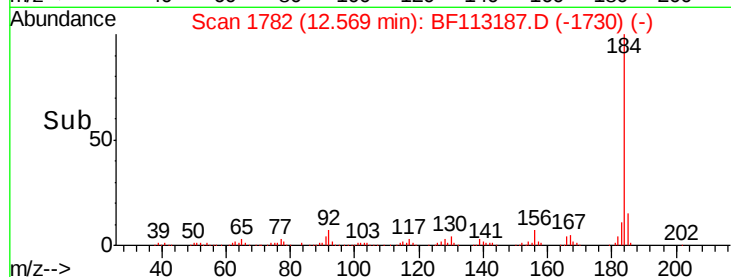
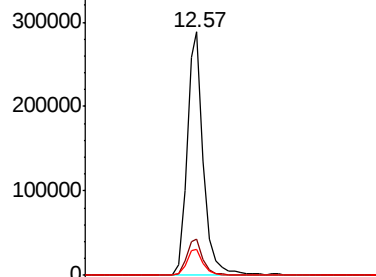
#77
Benzidine
Concen: 21.134 ng
RT: 12.57 min Scan# 1782
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 315194
Ion Ratio Lower Upper
184 100
185 15.1 13.4 20.2
183 10.8 8.8 13.2

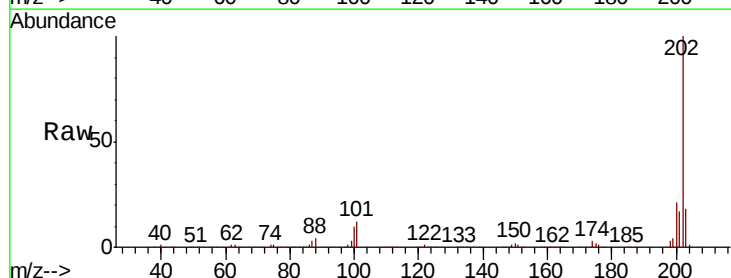


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

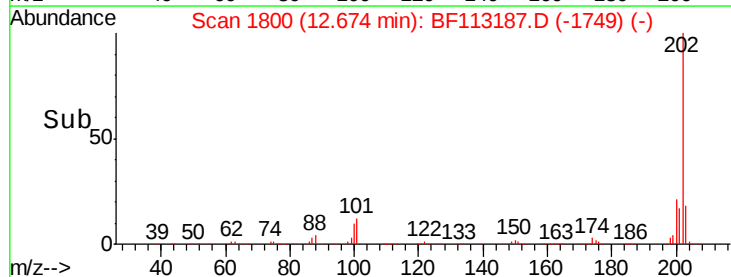
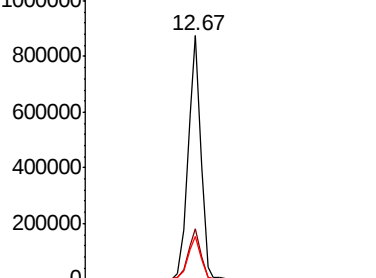


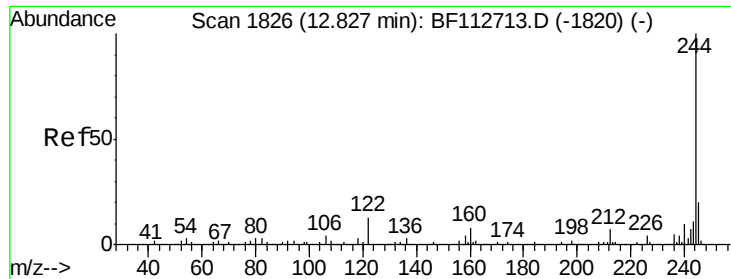
#78
Pyrene
Concen: 31.137 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:202 Resp: 754579
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.8 14.6 21.8



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

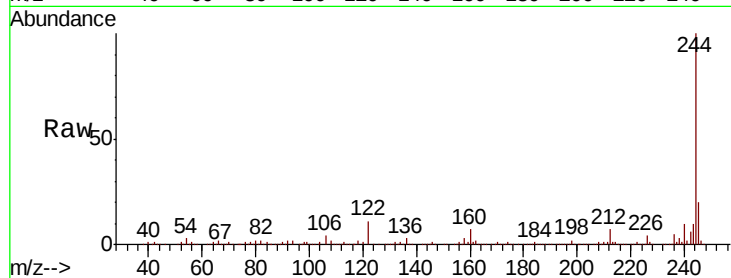




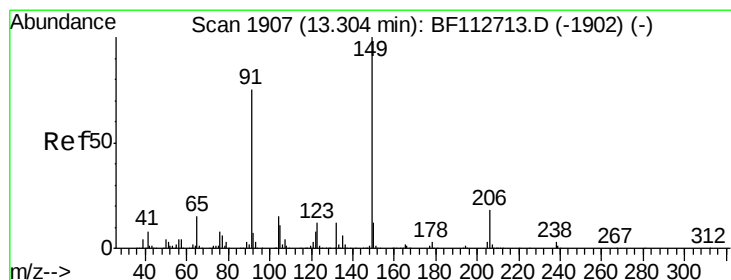
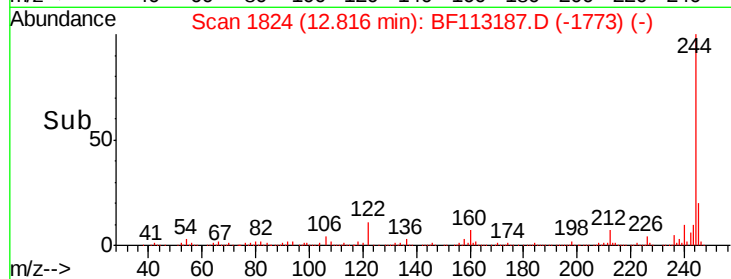
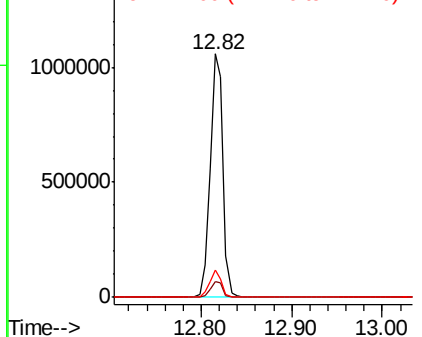
#79
 Terphenyl-d14
 Concen: 70.249 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1041749
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.2 9.4 14.2

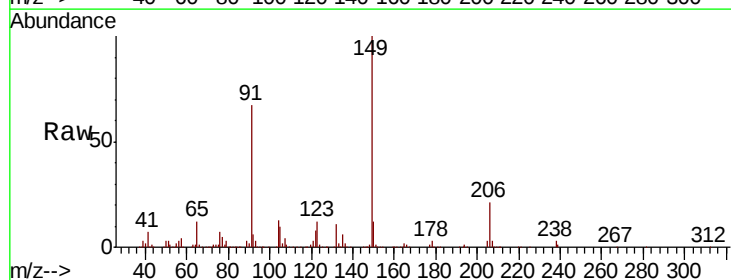


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

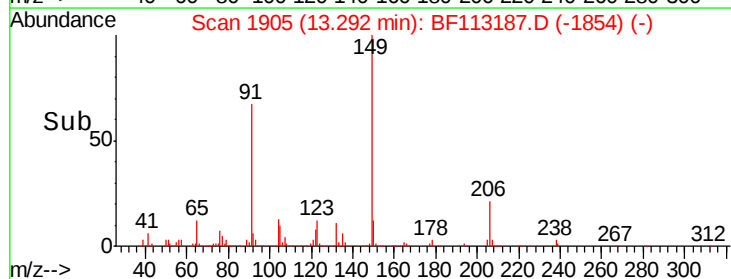
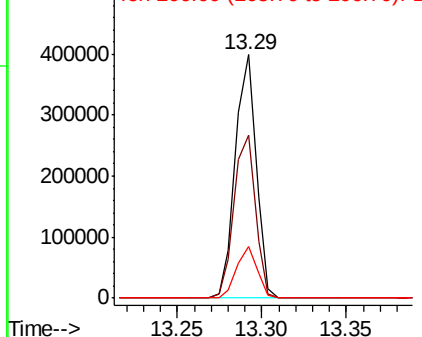


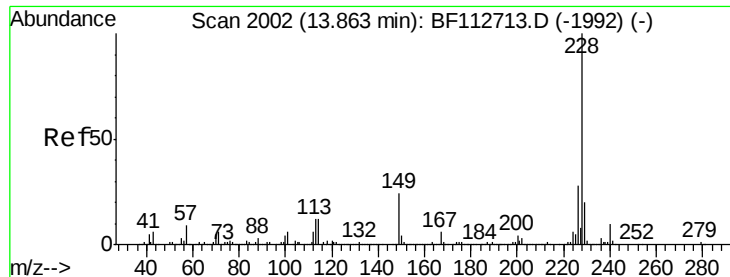
#80
 Butylbenzylphthalate
 Concen: 32.244 ng
 RT: 13.29 min Scan# 1905
 Delta R.T. 0.00 min
 Lab File: BF113187.D
 Acq: 20 Mar 2019 23:56

Tgt Ion:149 Resp: 344921
 Ion Ratio Lower Upper
 149 100
 91 66.8 52.6 79.0
 206 21.0 17.1 25.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E

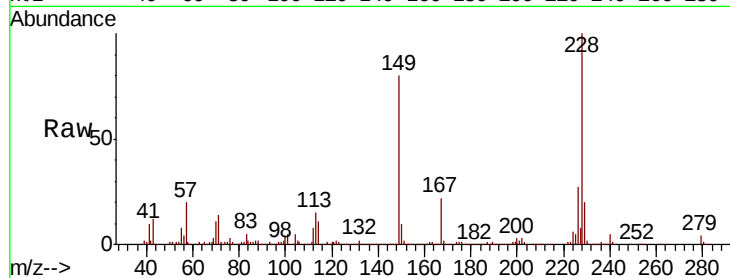




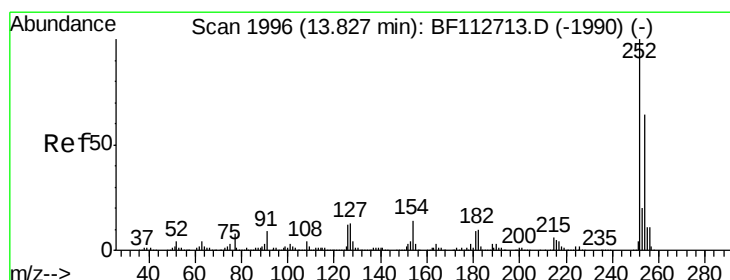
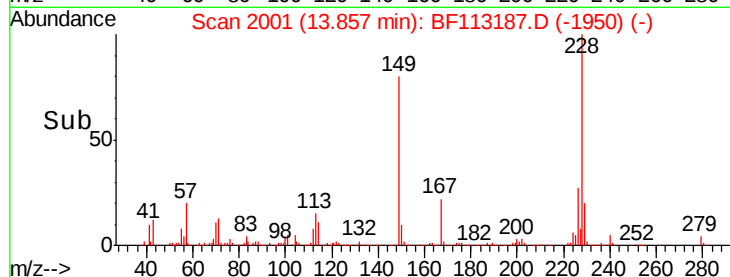
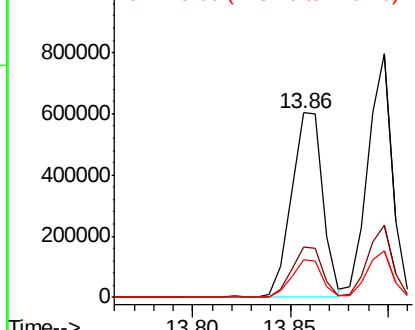
#81
Benzo(a)anthracene
Concen: 33.559 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 668620
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 20.4 16.0 24.0

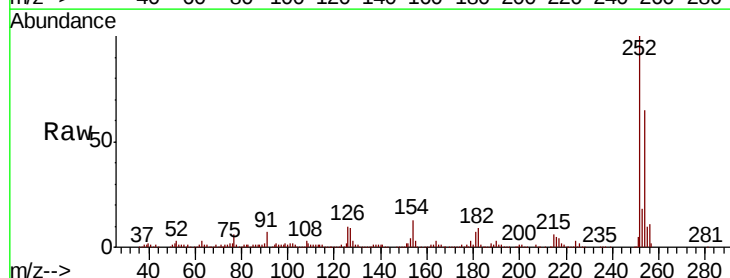


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

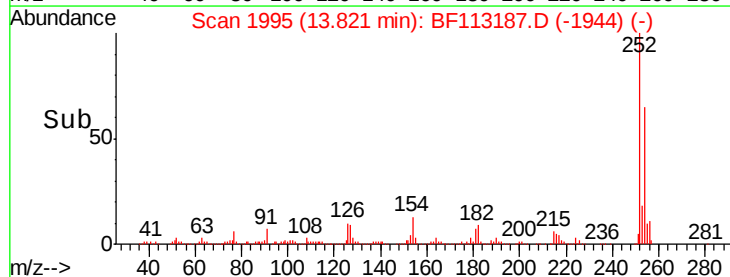
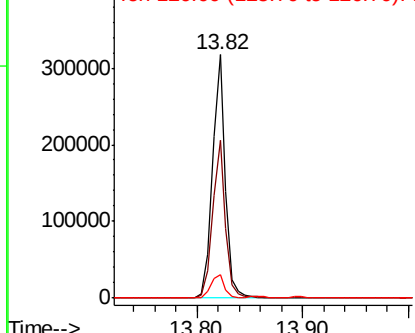


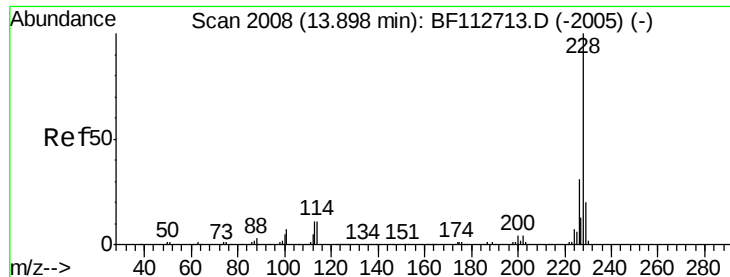
#82
3,3'-Dichlorobenzidine
Concen: 36.453 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:252 Resp: 274676
Ion Ratio Lower Upper
252 100
254 64.9 52.5 78.7
126 9.8 7.7 11.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 35.156 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

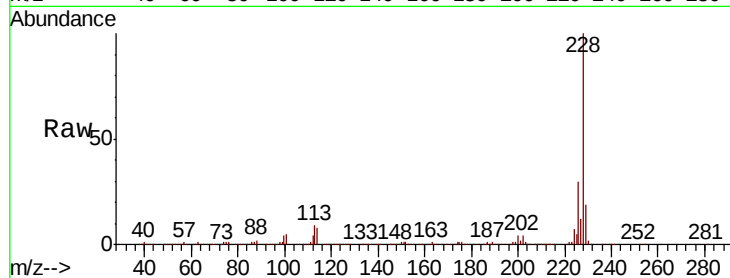
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 686099

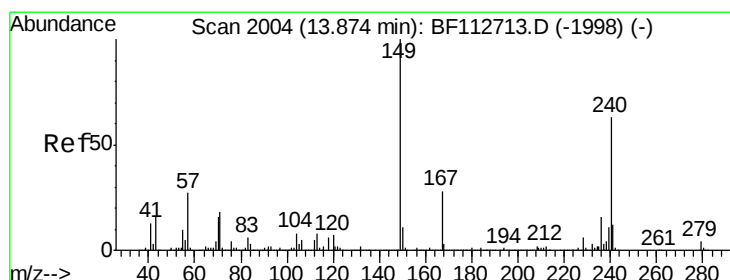
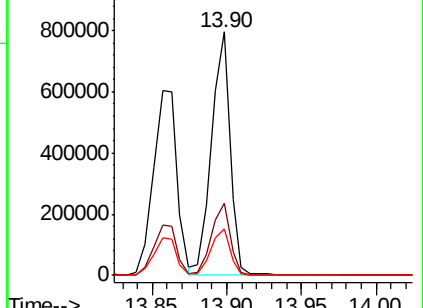
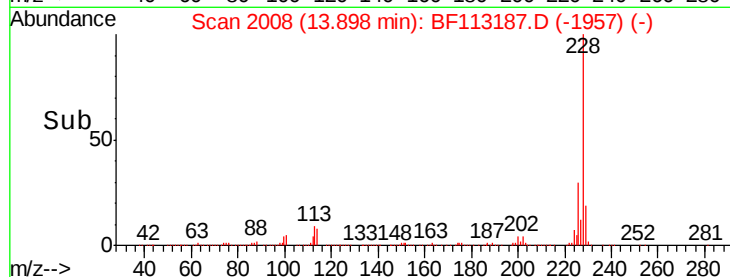
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.6	36.8
229	19.3	16.2	24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.134 ng

RT: 13.86 min Scan# 2001

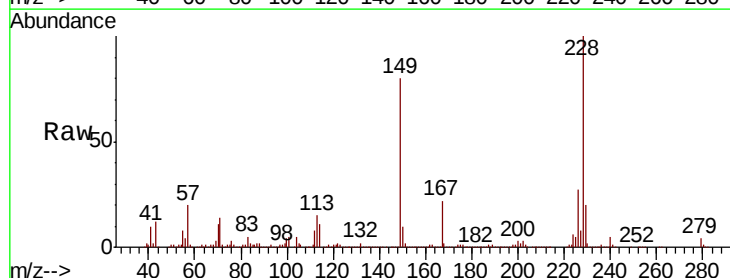
Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Tgt Ion:149 Resp: 465931

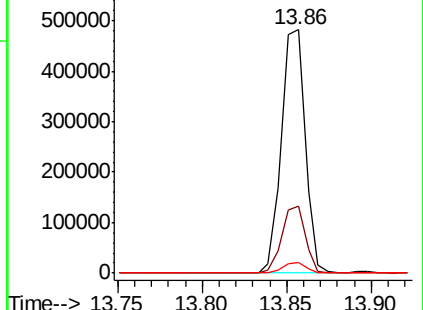
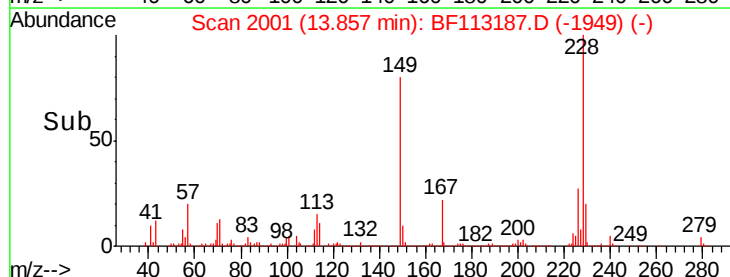
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.3	4.9

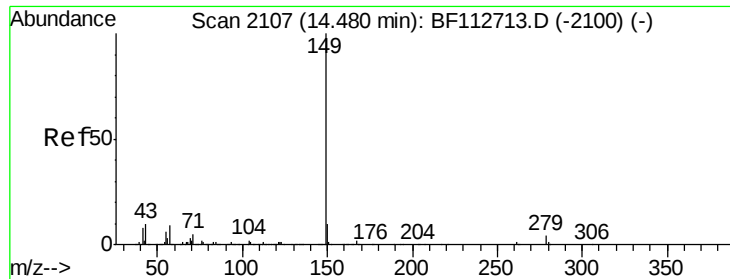


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 40.159 ng

RT: 14.46 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

Instrument :

BNA_F

ClientSampleId :

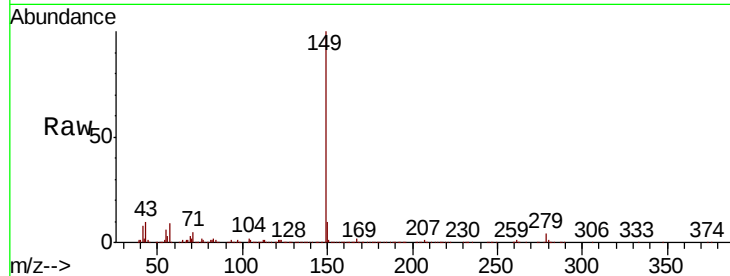
Tot Ion:149 Resp: 865224

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

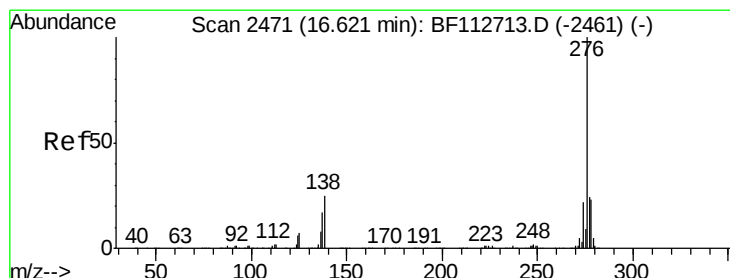
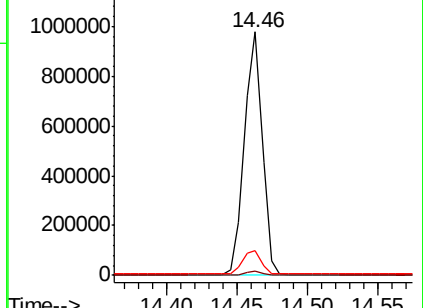
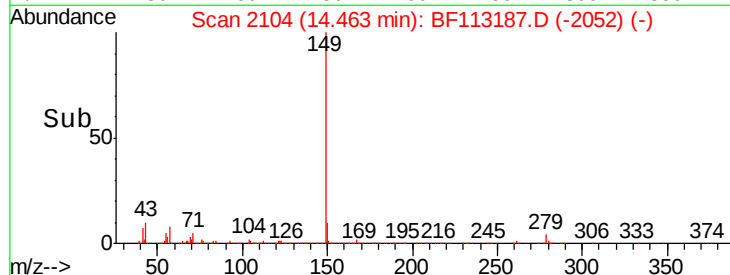
43 10.4 8.8 13.2



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: 29.437 ng

RT: 16.64 min Scan# 2475

Delta R.T. 0.01 min

Lab File: BF113187.D

Acq: 20 Mar 2019 23:56

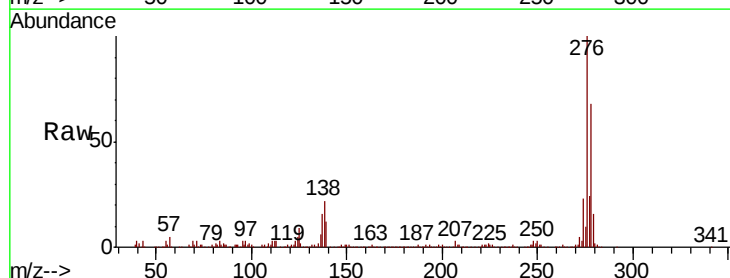
Tgt Ion:276 Resp: 489769

Ion Ratio Lower Upper

276 100

138 22.4 18.6 28.0

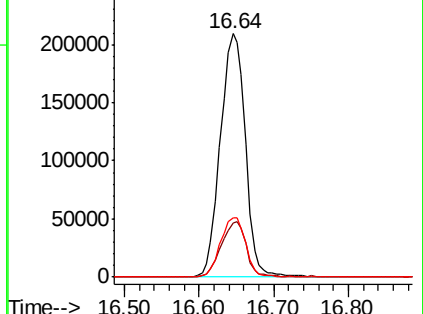
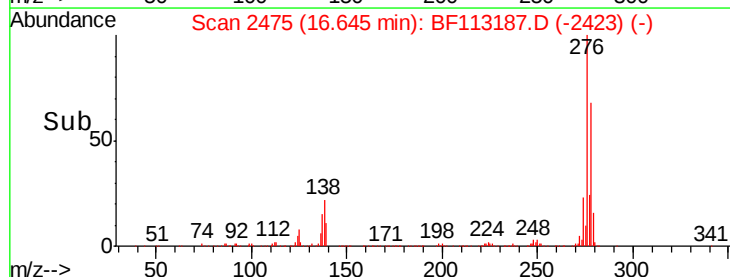
277 24.7 20.2 30.2

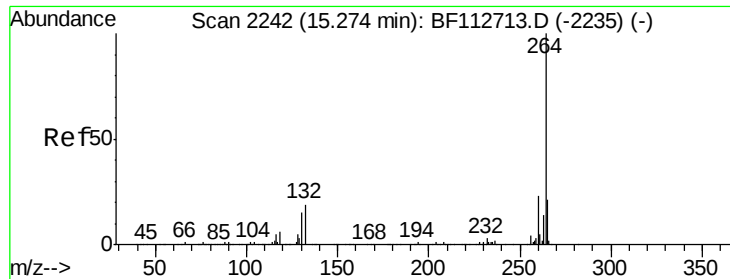


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



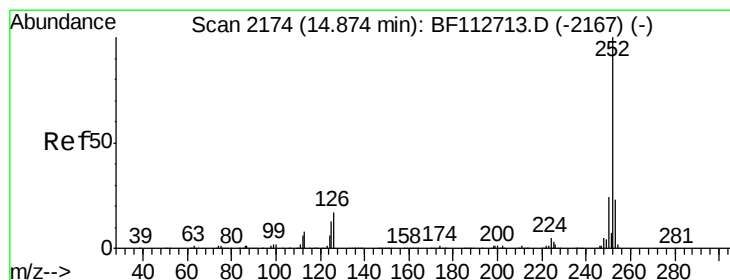
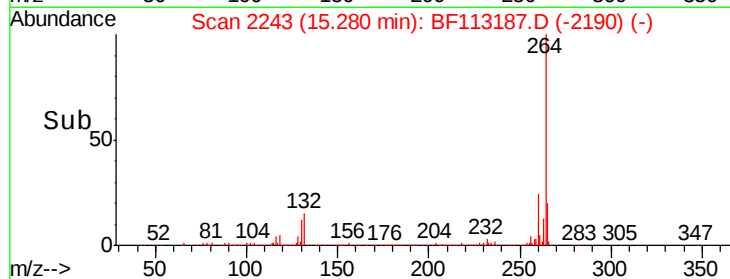
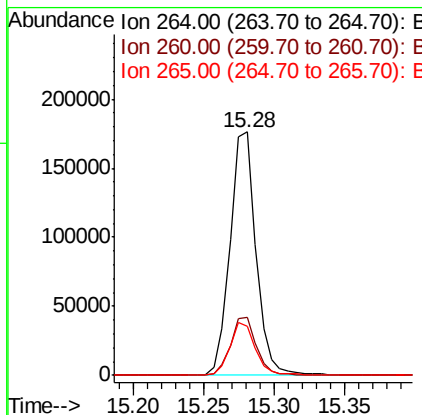
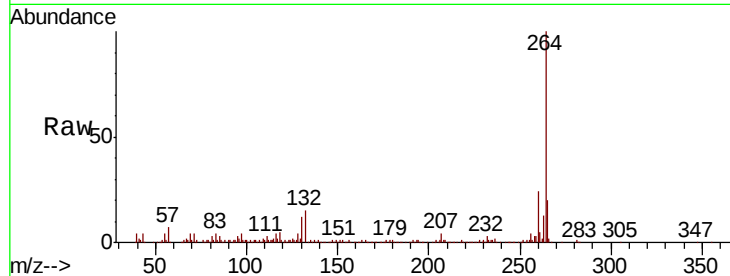


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 226139

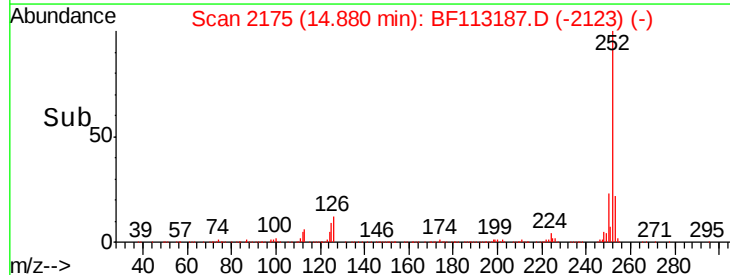
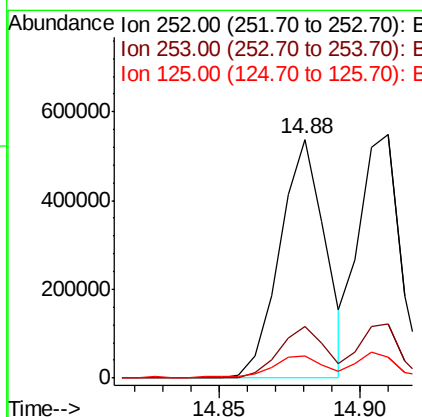
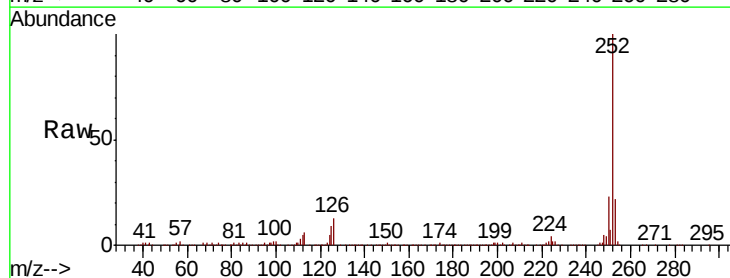
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.4	17.7	26.5

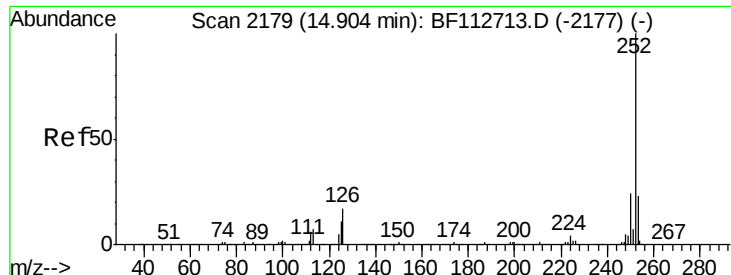


#88
Benzo(b)fluoranthene
Concen: 41.131 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:252 Resp: 601636

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	9.4	8.0	12.0

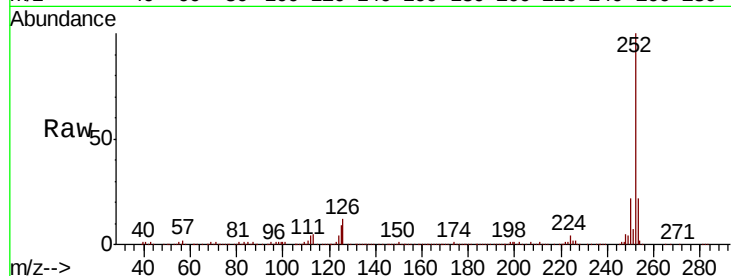




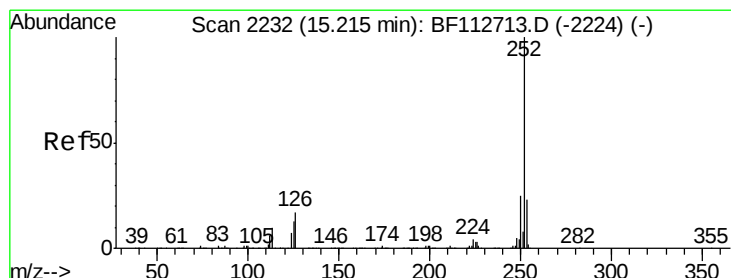
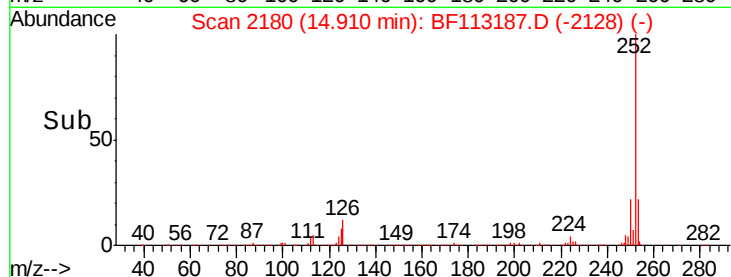
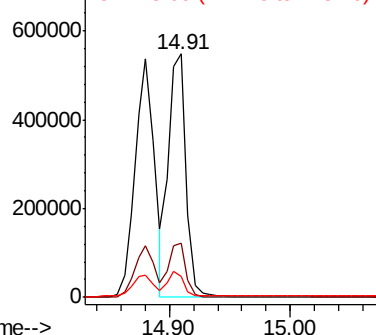
#89
Benzo(k)fluoranthene
Concen: 41.889 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 555008
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 8.7 8.2 12.2

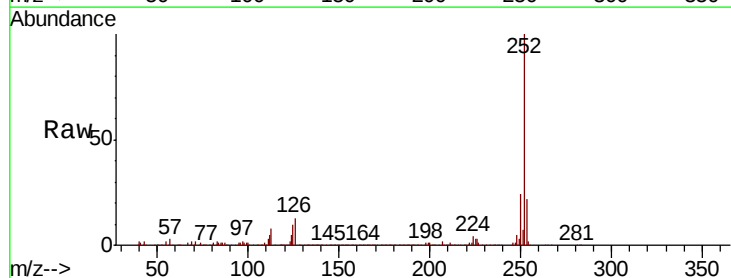


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

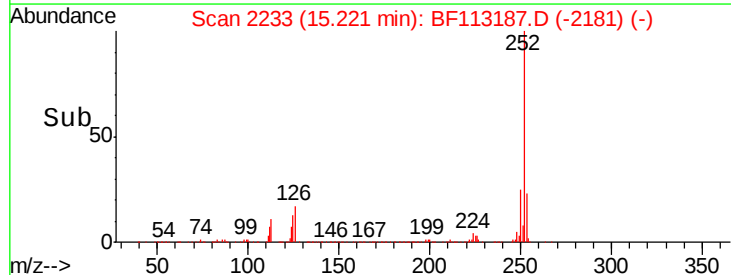
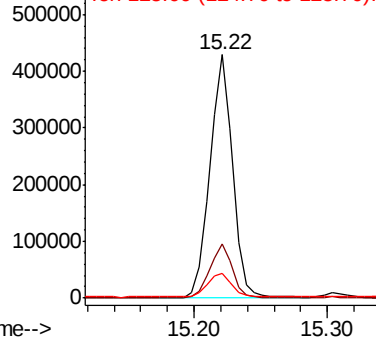


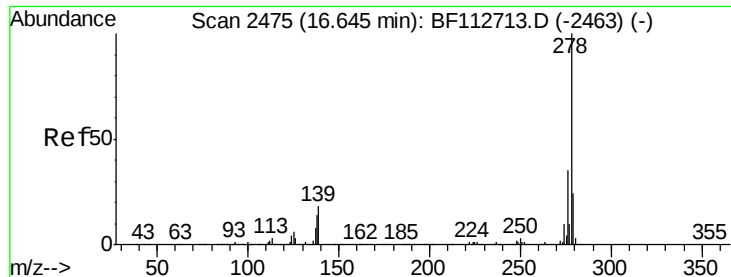
#90
Benzo(a)pyrene
Concen: 39.186 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion:252 Resp: 506992
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 10.3 9.1 13.7



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

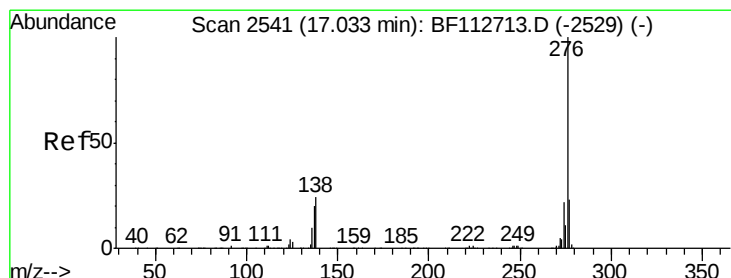
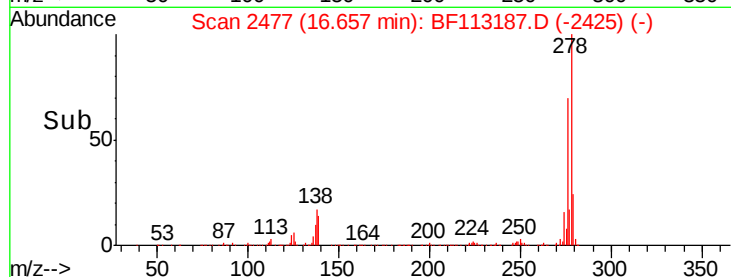
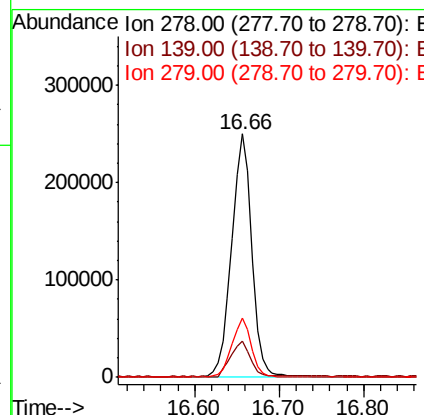
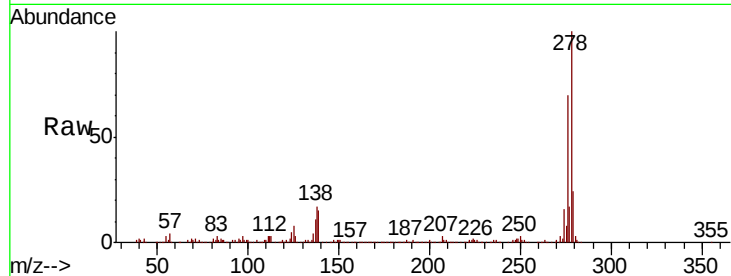




#91
Dibenzo(a,h)anthracene
Concen: 37.385 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.8
279	24.5	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 34.648 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF113187.D
Acq: 20 Mar 2019 23:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.0
138	20.3	16.2	24.4

