

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112723.D
 Acq On : 27 Feb 2019 17:07
 Operator : JU/SJ
 Sample : K1594-29
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Quant Time: Feb 28 02:00:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	179789	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	661131	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	279837	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	467618	20.00	ng	0.00
76) Chrysene-d12	13.86	240	435235	20.00	ng	-0.01
87) Perylene-d12	15.27	264	493715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1020685	88.31	ng	0.00
7) Phenol-d6	6.37	99	1285066	88.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	754875	68.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	248896	83.78	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1233287	73.91	ng	0.00
79) Terphenyl-d14	12.82	244	1012153	45.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.15	42	119	0.018	ng	# 1
6) Aniline	6.37	93	457	0.023	ng	# 1
8) 2-Chlorophenol	6.52	128	131	0.010	ng	# 1
9) Benzaldehyde	6.37	77	2173	0.208	ng	# 1
10) Phenol	6.37	94	21807	1.287	ng	79
11) bis(2-Chloroethyl)ether	6.50	93	1520	0.117	ng	# 1
15) Benzyl Alcohol	6.89	79	13457	1.216	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	6.80	45	152	0.007	ng	71
19) n-Nitroso-di-n-propylamine	7.29	70	98601	10.723	ng	# 79
22) Acetophenone	7.14	105	580	0.038	ng	# 76
24) Nitrobenzene	7.29	77	2328	0.189	ng	# 28
25) Isophorone	7.29	82	754933	31.716	ng	# 66
28) bis(2-Chloroethoxy)methane	8.02	93	109	0.007	ng	# 6
31) Naphthalene	8.04	128	571	0.017	ng	# 68
37) 2-Methylnaphthalene	8.73	142	114	0.005	ng	# 15
38) 1-Methylnaphthalene	8.73	142	114	0.006	ng	# 7
46) 1,1'-Biphenyl	9.19	154	2201	0.096	ng	81
47) 2-Chloronaphthalene	9.49	162	672	0.038	ng	# 1
48) 2-Nitroaniline	9.48	65	1346	0.248	ng	# 1
50) Dimethylphthalate	9.49	163	121247	5.876	ng	98
51) 2,6-Dinitrotoluene	9.49	165	1427	0.332	ng	# 41
52) Acenaphthene	9.77	154	816	0.046	ng	# 5
55) Dibenzofuran	9.97	168	112	0.004	ng	# 44
57) 2,4-Dinitrotoluene	9.76	165	35448	6.637	ng	# 18
58) Fluorene	10.54	166	11856	0.650	ng	# 87
60) Diethylphthalate	10.19	149	1021	0.047	ng	# 60
63) Azobenzene	10.54	77	1837	0.082	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.54	198	552	4.872	ng	# 1
66) n-Nitrosodiphenylamine	10.54	169	7679	0.512	ng	# 43
67) 4-Bromophenyl-phenylether	10.54	248	15029	3.051	ng	# 1
71) Phenanthrene	11.26	178	504	0.022	ng	# 59
72) Anthracene	11.26	178	504	0.021	ng	# 59
73) Carbazole	11.46	167	391	0.016	ng	# 44
74) Di-n-butylphthalate	11.81	149	3108	0.109	ng	# 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

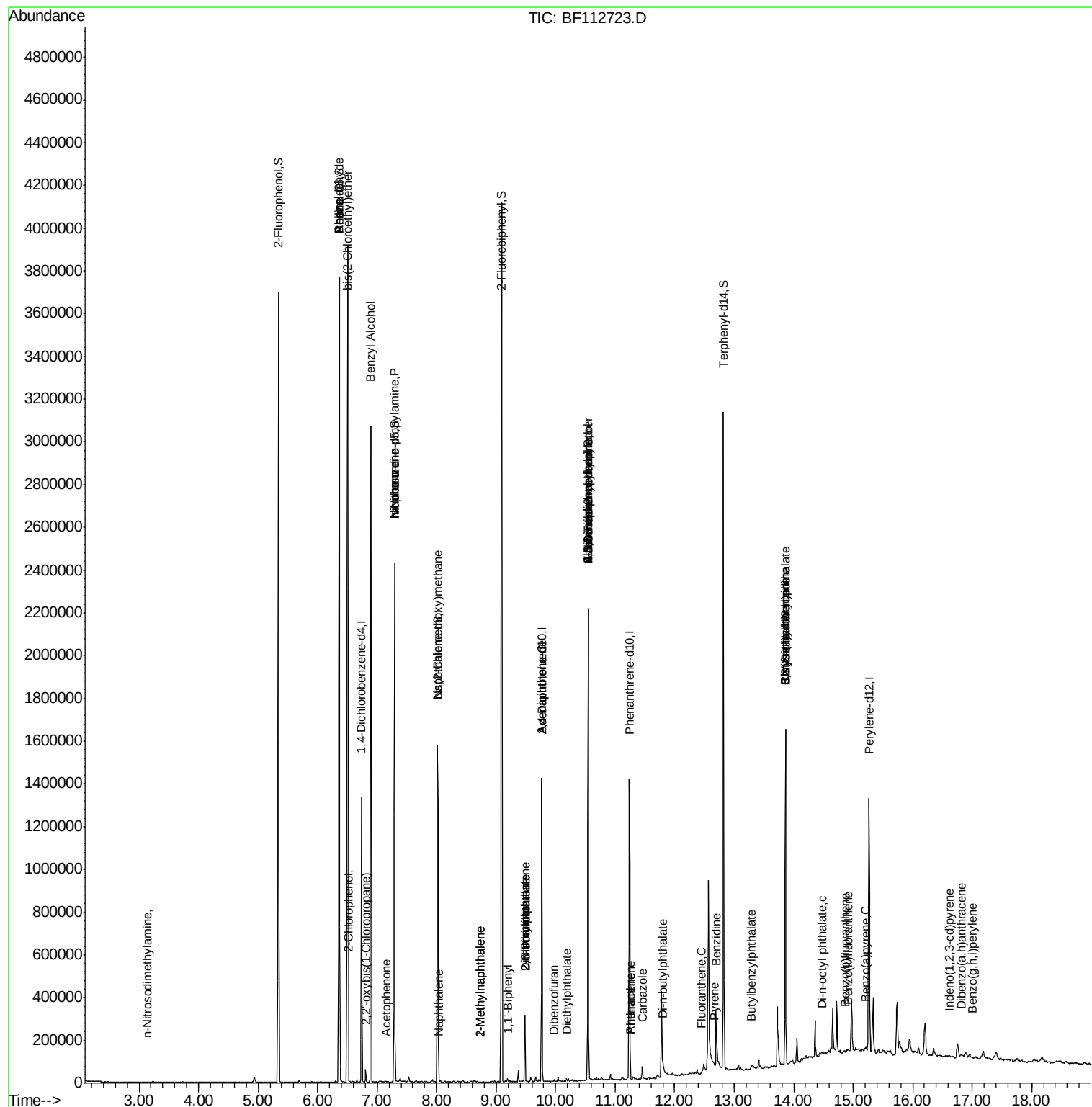
75) Fluoranthene	12.44	202	370	0.015	nq	62
77) Benzidine	12.70	184	578	0.026	nq	# 1
78) Pyrene	12.67	202	708	0.019	nq	# 55
80) Butylbenzylphthalate	13.30	149	516	0.032	nq	# 51
81) Benzo(a)anthracene	13.86	228	2286	0.076	nq	# 55
82) 3,3'-Dichlorobenzidine	13.86	252	107	0.009	nq	# 1
83) Chrysene	13.86	228	2286	0.077	nq	# 53
84) Bis(2-ethylhexyl)phthalate	13.87	149	44876	2.362	nq	98
85) Di-n-octyl phthalate	14.48	149	1054	0.032	nq	# 74
86) Indeno(1,2,3-cd)pyrene	16.61	276	392	0.016	nq	# 1
88) Benzo(b)fluoranthene	14.87	252	1124	0.035	nq	# 1
89) Benzo(k)fluoranthene	14.93	252	126	0.004	nq	# 1
90) Benzo(a)pyrene	15.21	252	571	0.020	nq	# 1
91) Dibenzo(a,h)anthracene	16.83	278	107	0.004	nq	# 1
92) Benzo(a,h,i)perylene	17.01	276	1176	0.049	nq	# 17

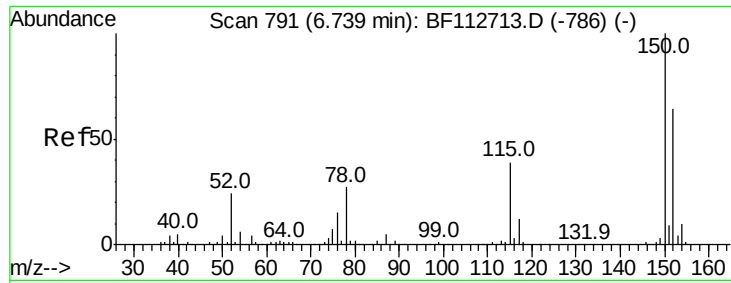
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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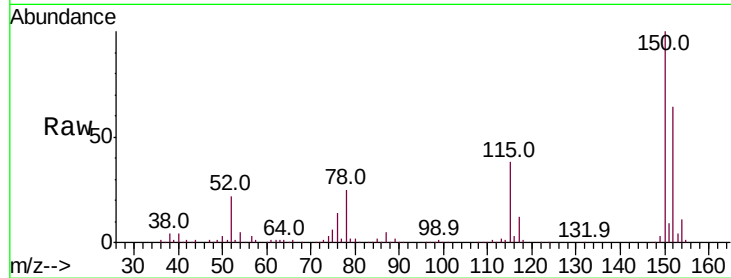


#1

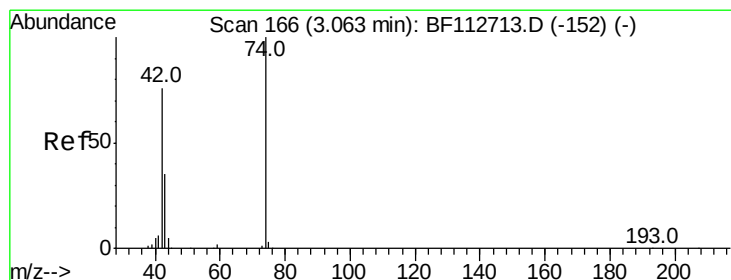
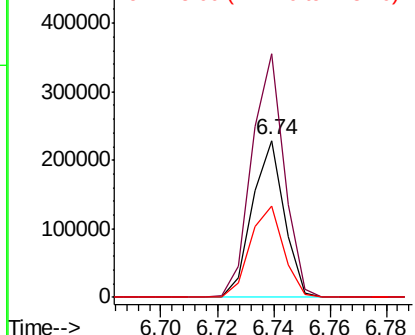
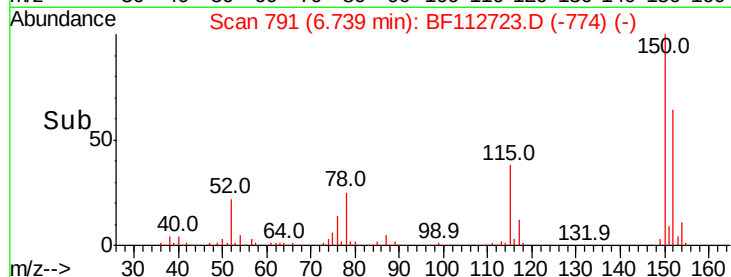
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.2	186.2
115	58.3	48.2	72.4



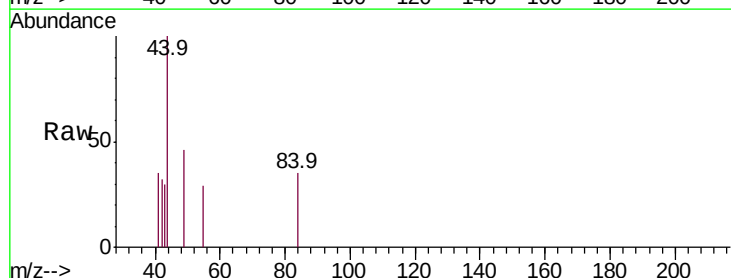
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



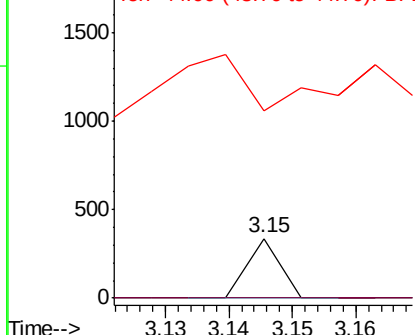
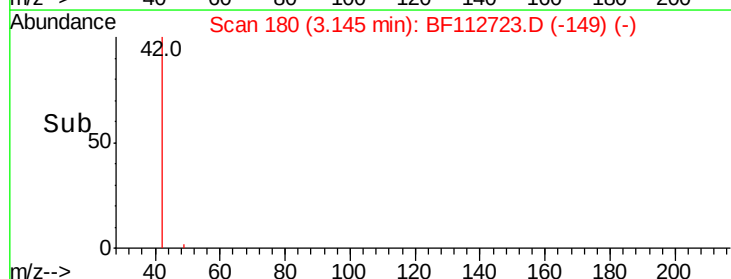
#4

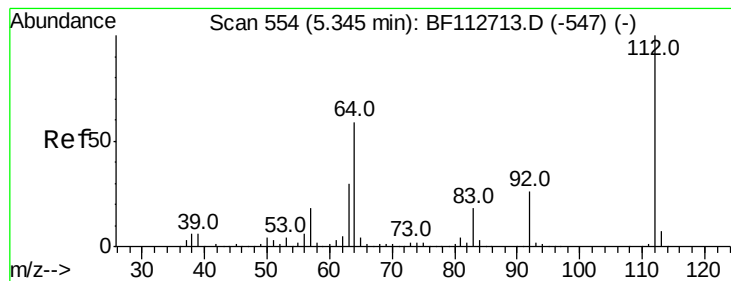
n-Nitrosodimethylamine
 Concen: 0.018 ng
 RT: 3.15 min Scan# 180
 Delta R.T. 0.08 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.8	158.8#
44	314.6	6.2	9.2#



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





#5

2-Fluorophenol

Concen: 88.310 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

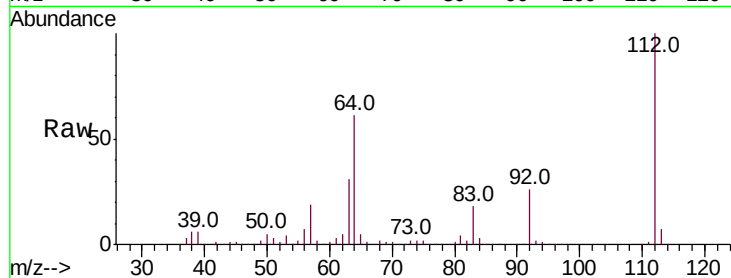
Tot Ion:112 Resp: 1020685

Ion Ratio Lower Upper

112 100

64 61.2 47.6 71.4

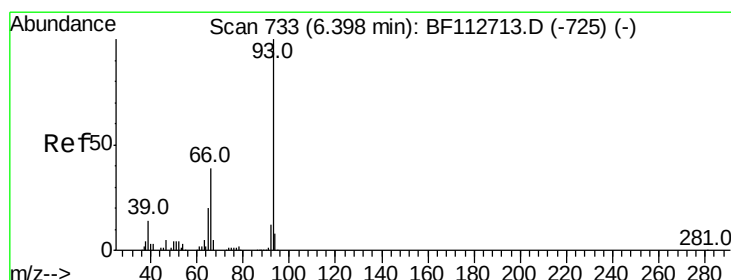
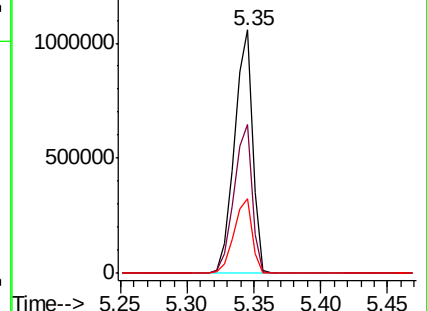
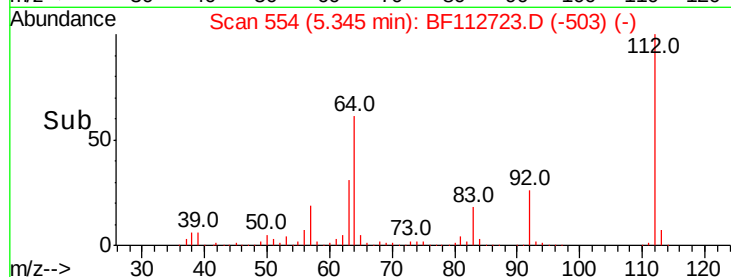
63 30.8 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.023 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

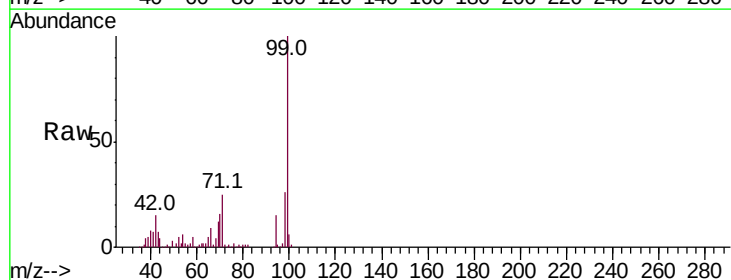
Tgt Ion: 93 Resp: 457

Ion Ratio Lower Upper

93 100

66 2886.7 32.2 48.2#

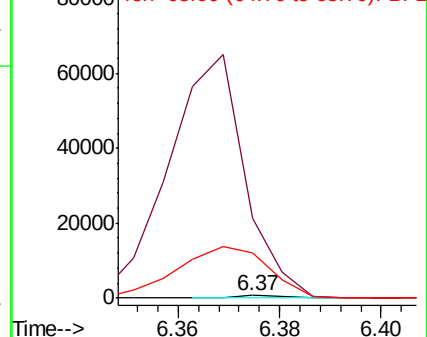
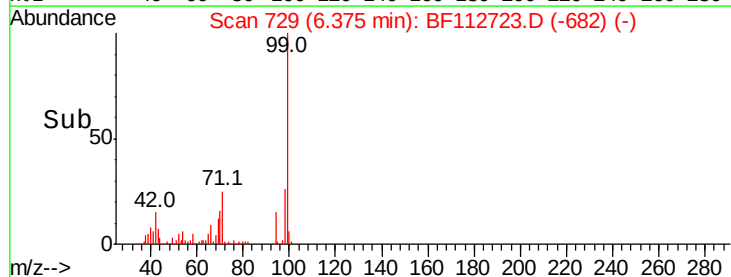
65 1650.8 16.2 24.4#

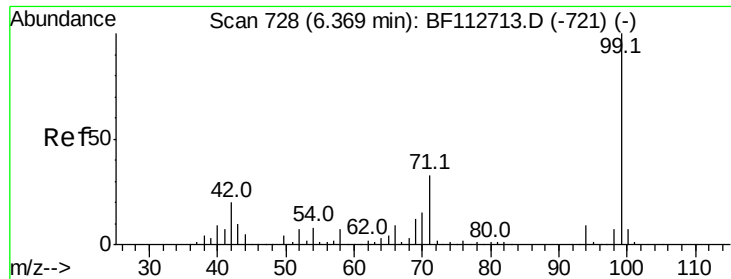


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 88.511 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

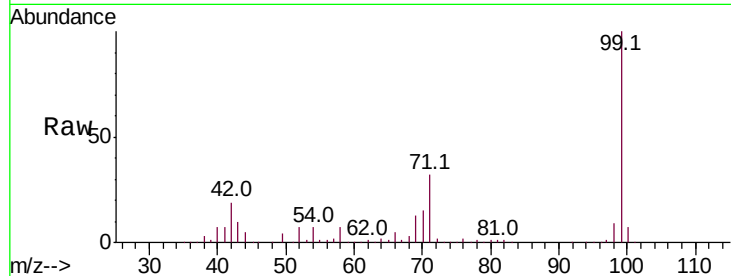
Tot Ion: 99 Resp: 1285066

Ion Ratio Lower Upper

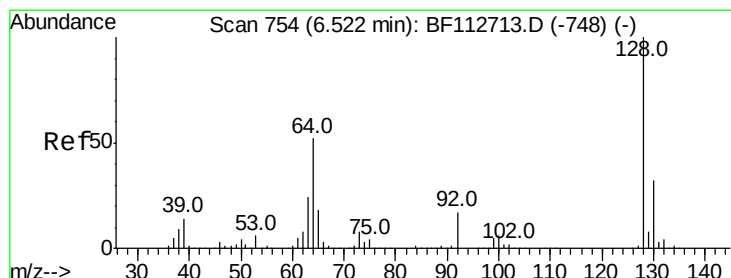
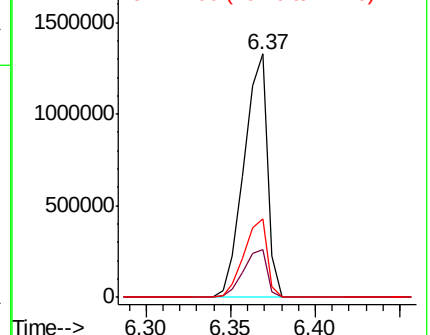
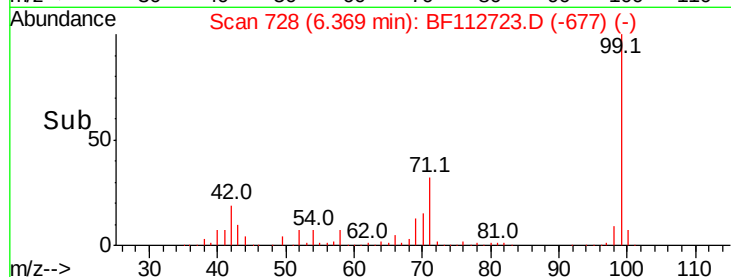
99 100

42 19.4 16.3 24.5

71 32.1 26.2 39.4



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: 0.010 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

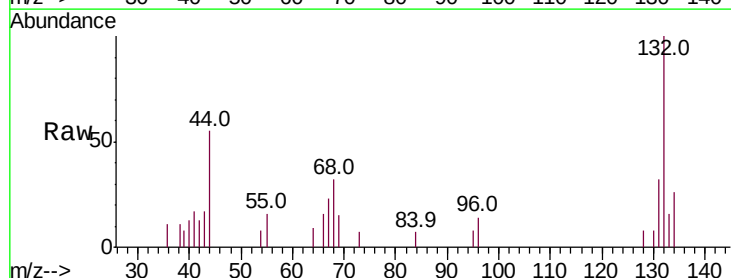
Tgt Ion: 128 Resp: 131

Ion Ratio Lower Upper

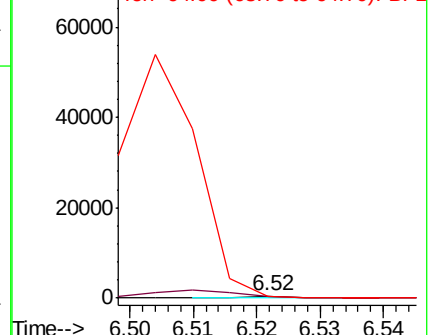
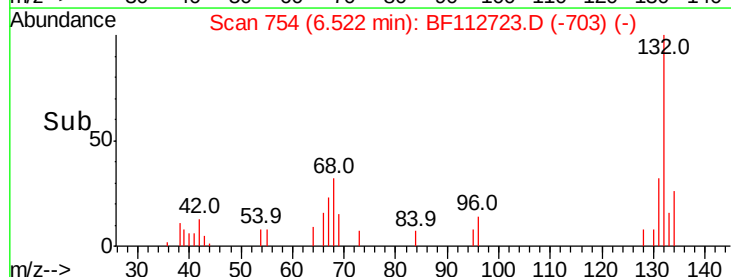
128 100

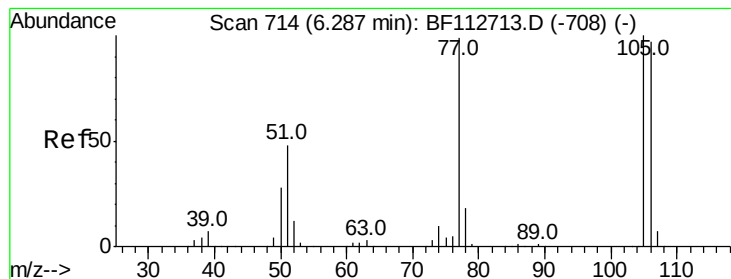
130 104.9 12.4 52.4#

64 110.5 32.2 72.2#



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: 0.208 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.08 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

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ClientSampleId :

B-4(4-5)

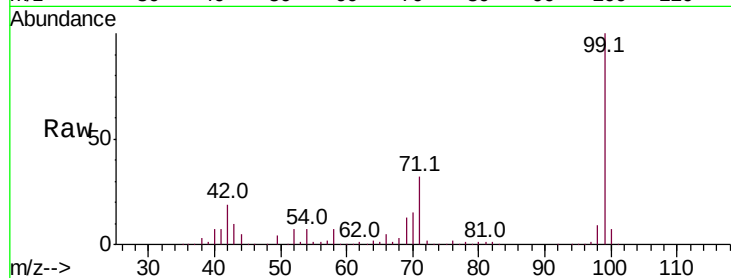
Tot Ion: 77 Resp: 2173

Ion Ratio Lower Upper

77 100

105 0.0 81.4 121.4#

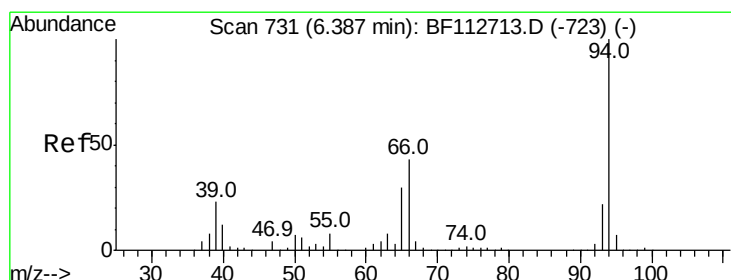
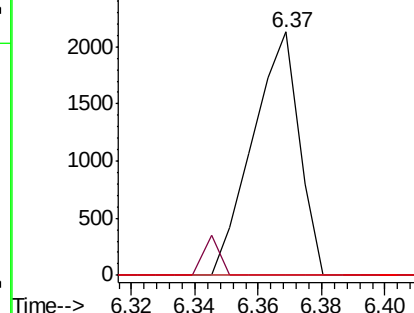
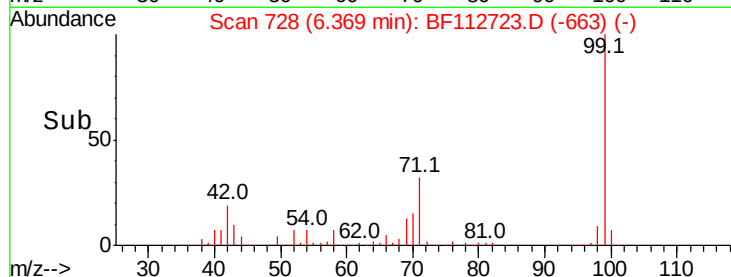
106 0.0 78.3 118.3#



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: 1.287 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

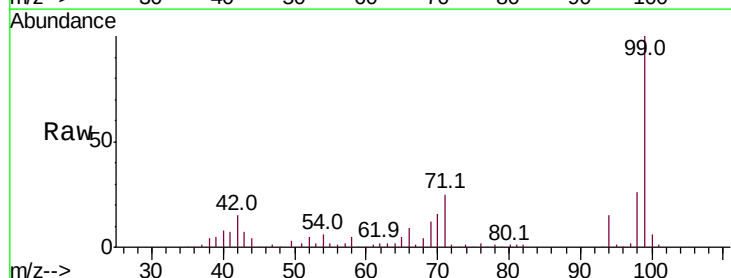
Tgt Ion: 94 Resp: 21807

Ion Ratio Lower Upper

94 100

65 35.4 10.5 50.5

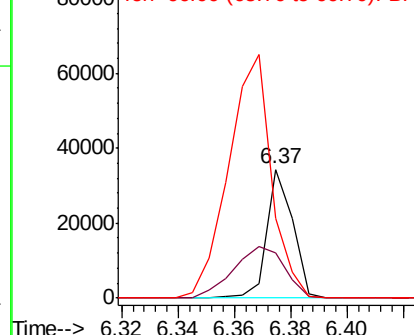
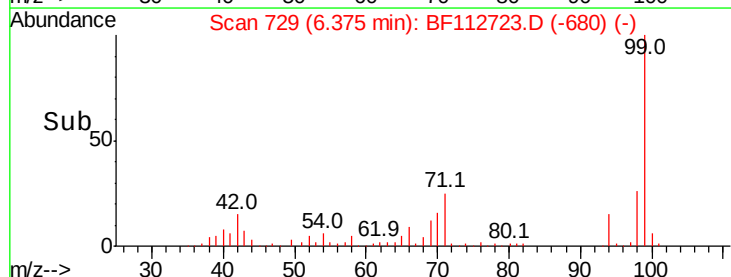
66 61.9 22.6 62.6

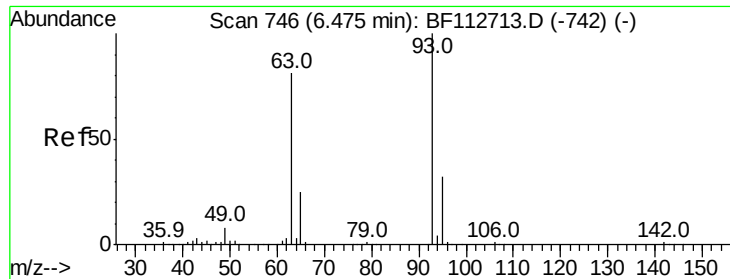


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

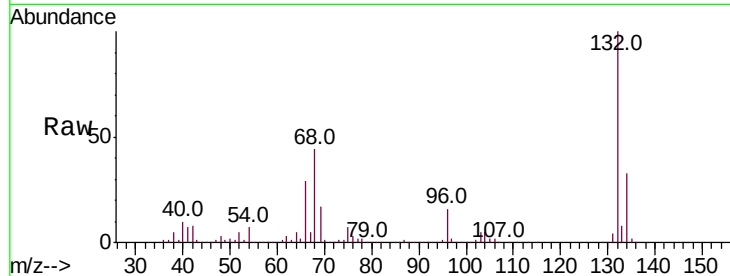




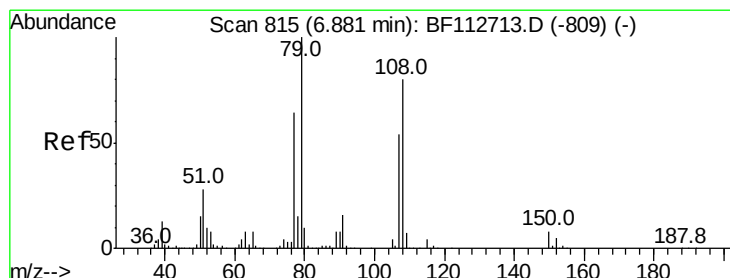
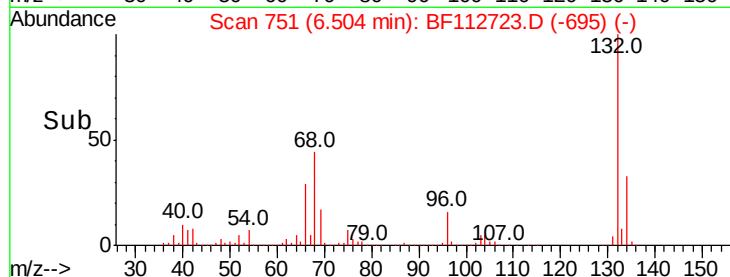
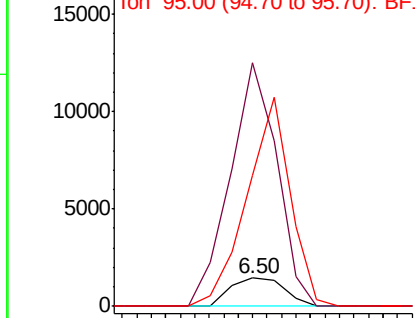
#11
bis(2-Chloroethyl)ether
Concen: 0.117 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.03 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion: 93 Resp: 1520
Ion Ratio Lower Upper
93 100
63 865.9 60.5 100.5#
95 466.8 12.1 52.1#

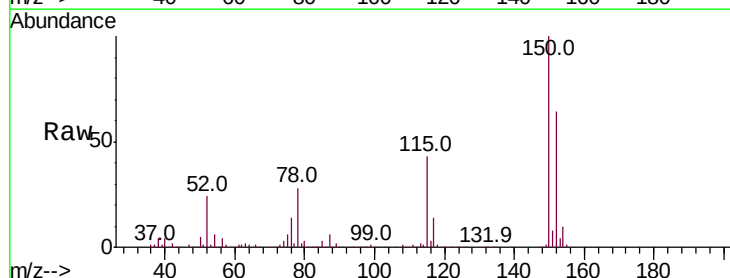


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

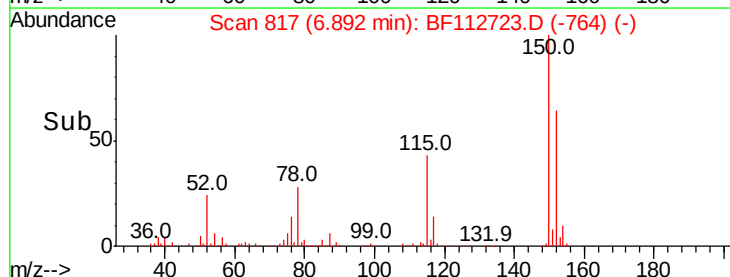
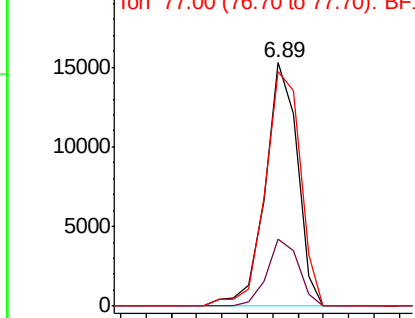


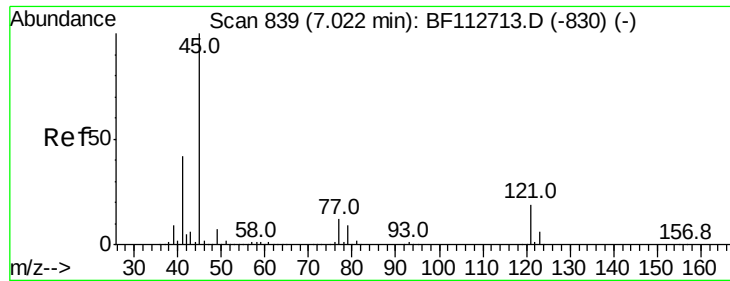
#15
Benzyl Alcohol
Concen: 1.216 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion: 79 Resp: 13457
Ion Ratio Lower Upper
79 100
108 27.5 64.2 96.4#
77 96.6 51.1 76.7#



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

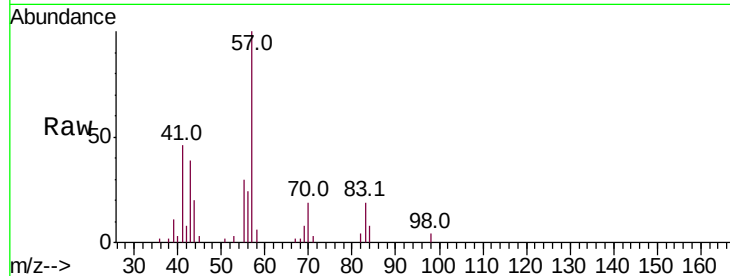




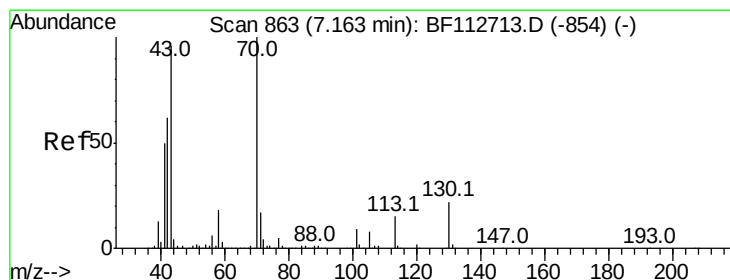
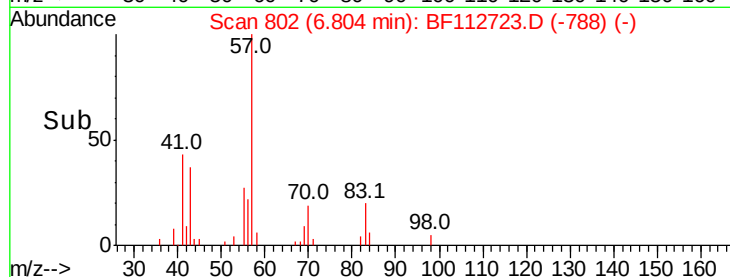
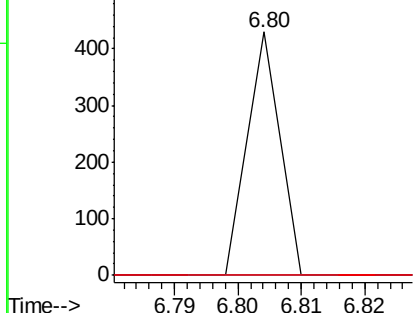
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.007 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.22 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion: 45 Resp: 152
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.1
79 0.0 0.0 29.4

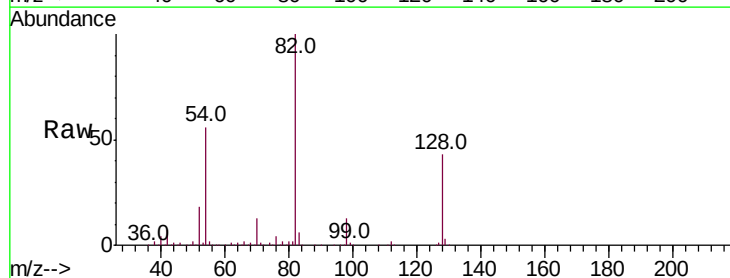


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

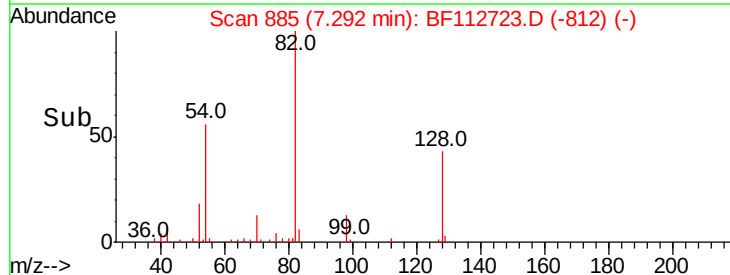
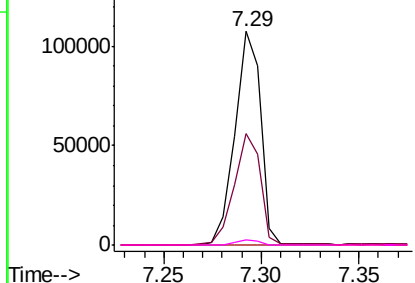


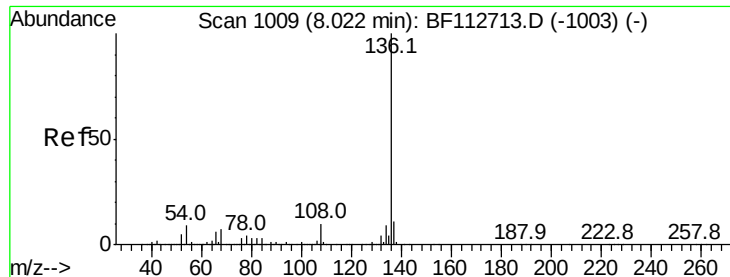
#19
n-Nitroso-di-n-propylamine
Concen: 10.723 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion: 70 Resp: 98601
Ion Ratio Lower Upper
70 100
42 52.4 49.9 74.9
101 0.0 7.4 11.2#
130 2.3 17.4 26.2#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1

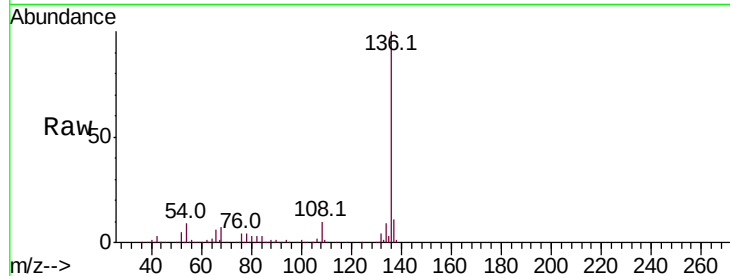




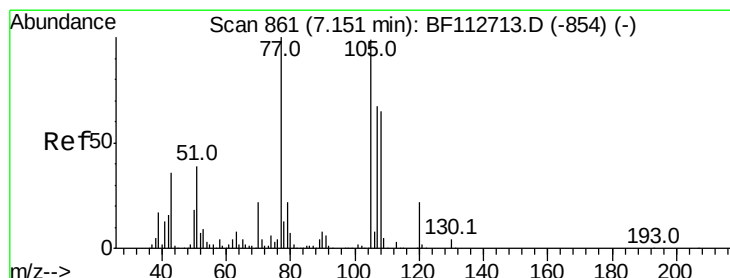
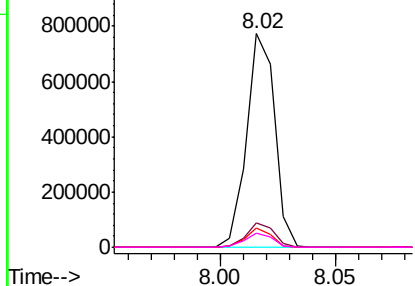
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion:136	Resp: 661131
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 9.1	7.3 10.9
68 6.7	5.4 8.2

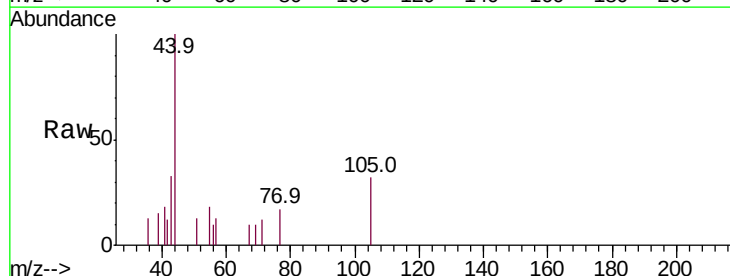


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

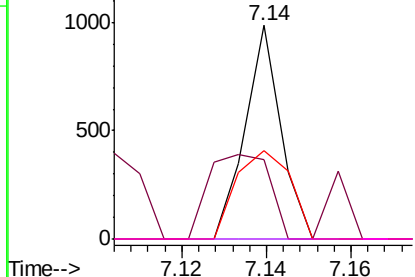


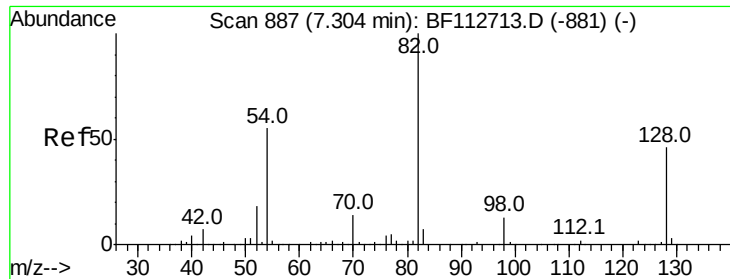
#22
Acetophenone
Concen: 0.038 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt	Ion:105	Resp:	580
Ion	Ratio	Lower	Upper
105	100		
71	37.4	3.0	4.4#
51	41.4	31.5	47.3
120	0.0	18.1	27.1#



Abundance Ion 105.00 (104.70 to 105.70): E
1500
Ion 71.00 (70.70 to 71.70): BF1
1000
Ion 51.00 (50.70 to 51.70): BF1
500
Ion 120.00 (119.70 to 120.70): E
0

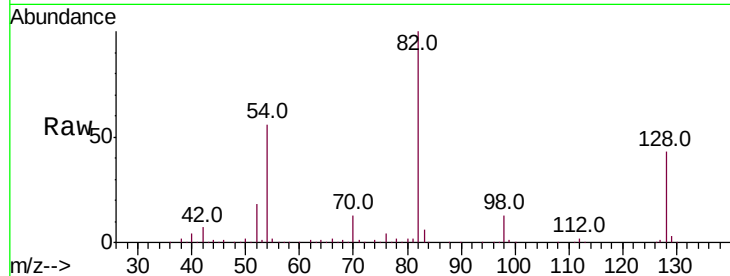




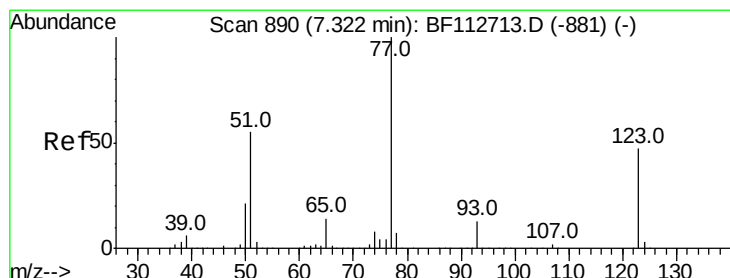
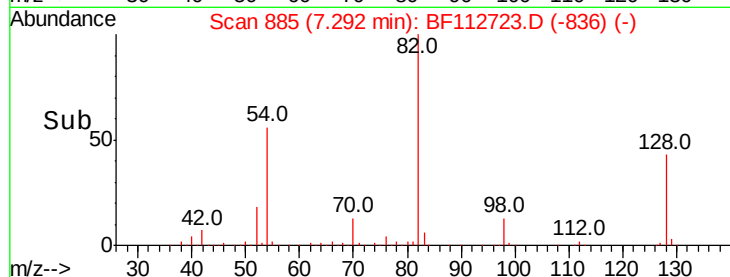
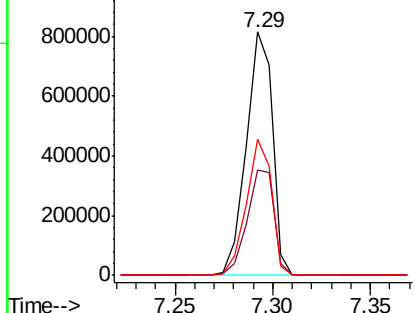
#23
 Nitrobenzene-d5
 Concen: 68.323 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion	82	Resp	754875
Ion Ratio	100	Lower	Upper
128	43.2	36.3	54.5
54	56.1	43.7	65.5

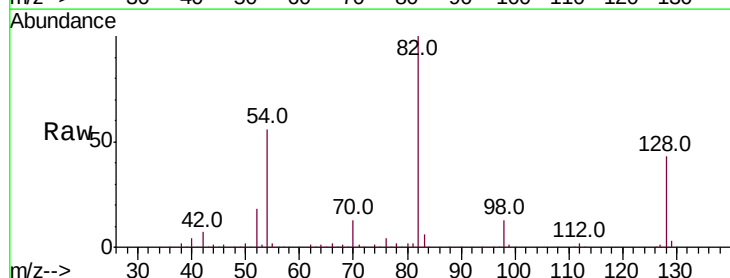


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

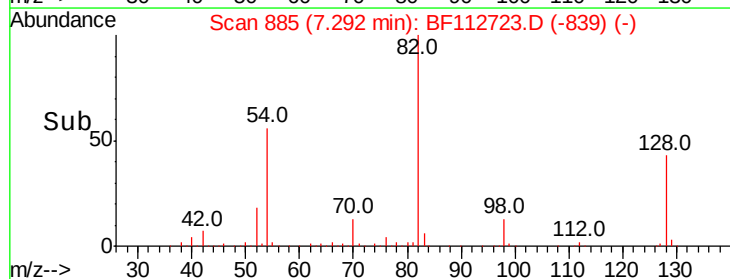
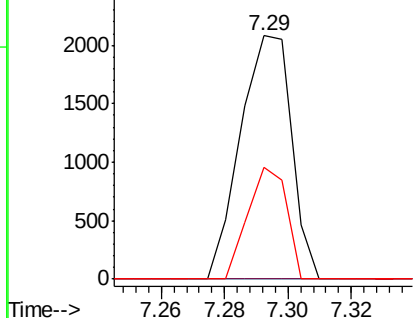


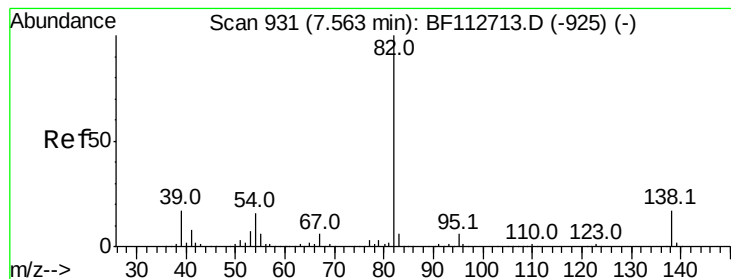
#24
 Nitrobenzene
 Concen: 0.189 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	77	Resp	2328
Ion Ratio	100	Lower	Upper
123	0.0	37.8	56.6#
65	46.0	11.1	16.7#



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: 31.716 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

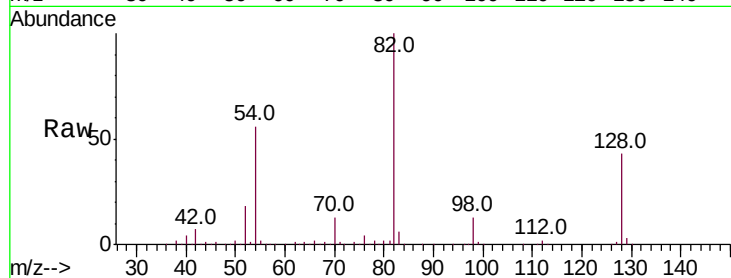
Tot Ion: 82 Resp: 754933

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

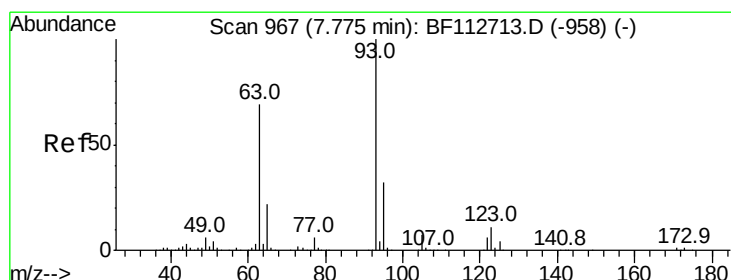
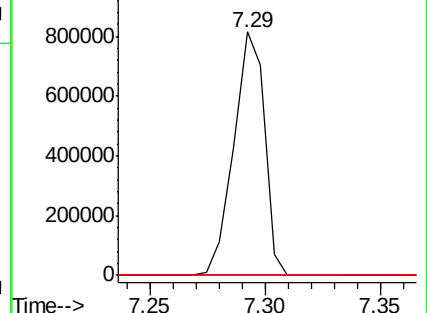
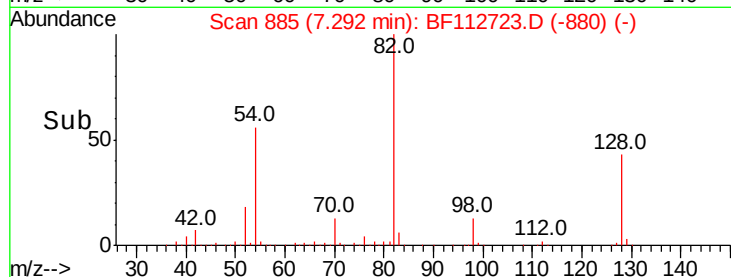
138 0.0 13.8 20.8#



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



#28

bis(2-Chloroethoxy)methane

Concen: 0.007 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.25 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

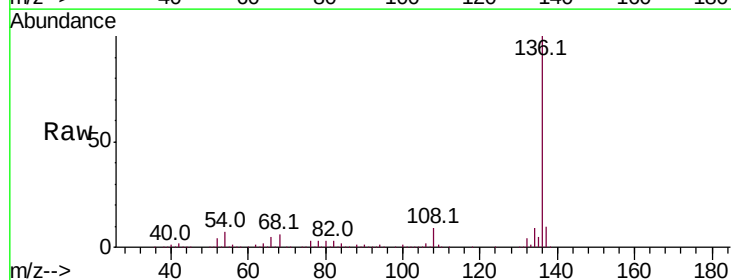
Tgt Ion: 93 Resp: 109

Ion Ratio Lower Upper

93 100

95 98.1 26.0 39.0#

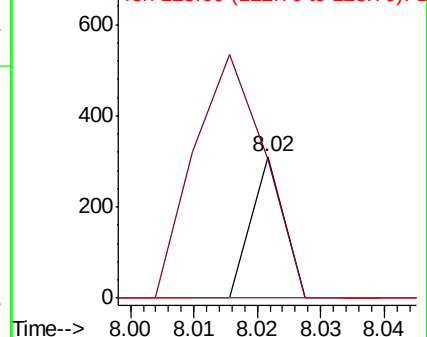
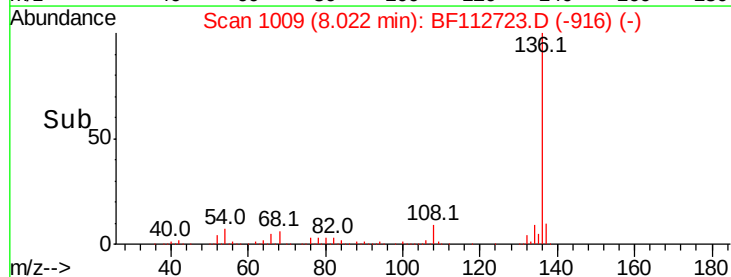
123 0.0 9.3 13.9#

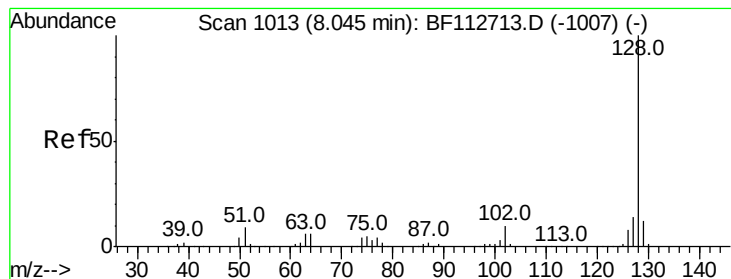


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1





#31

Naphthalene

Concen: 0.017 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

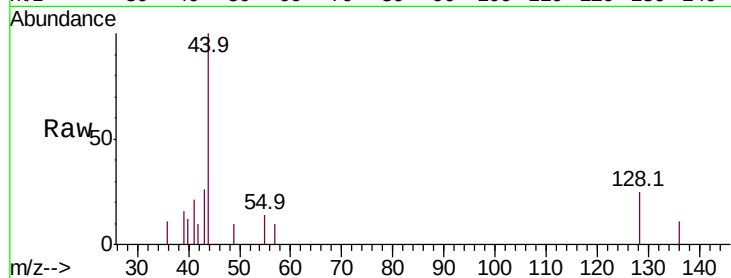
Tot Ion:128 Resp: 571

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

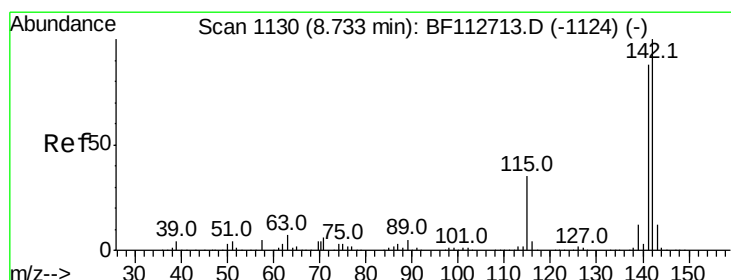
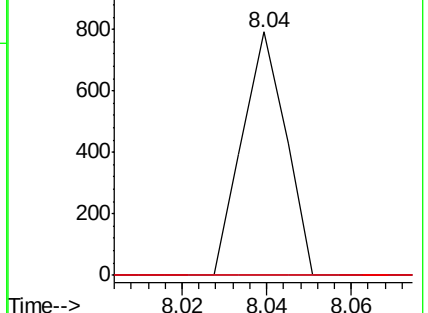
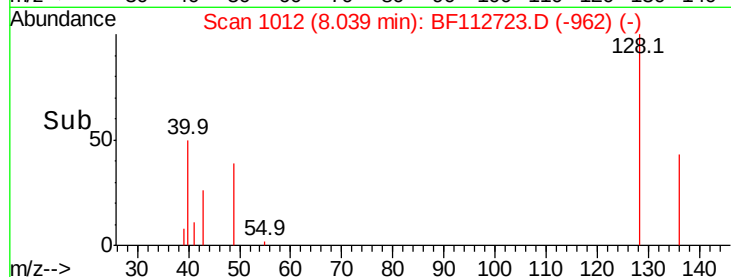
127 0.0 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 0.005 ng

RT: 8.73 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

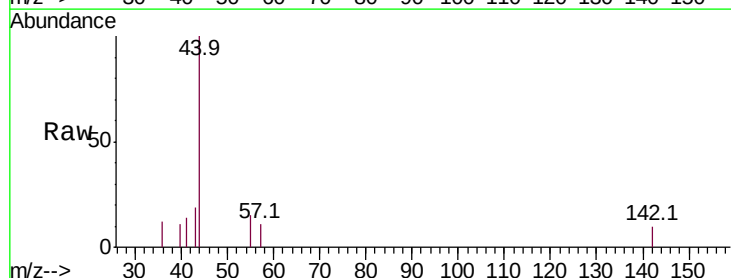
Tgt Ion:142 Resp: 114

Ion Ratio Lower Upper

142 100

141 0.0 70.3 105.5#

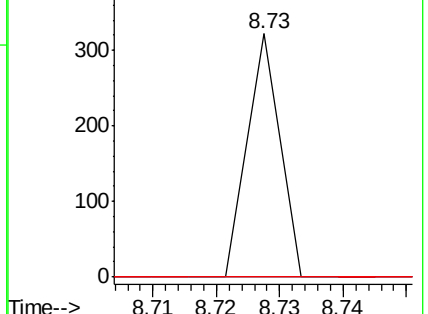
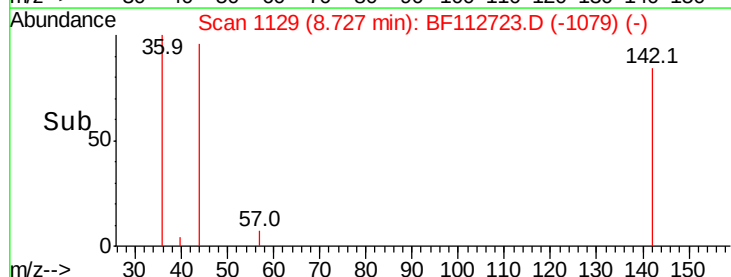
115 0.0 27.8 41.6#

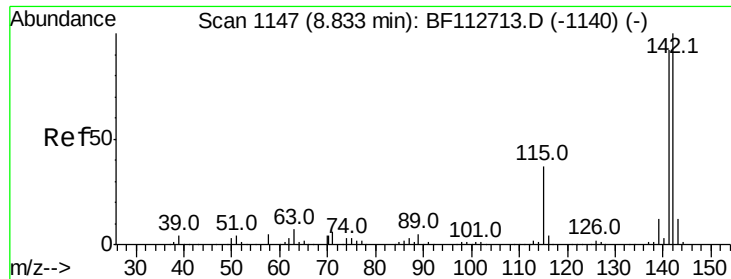


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

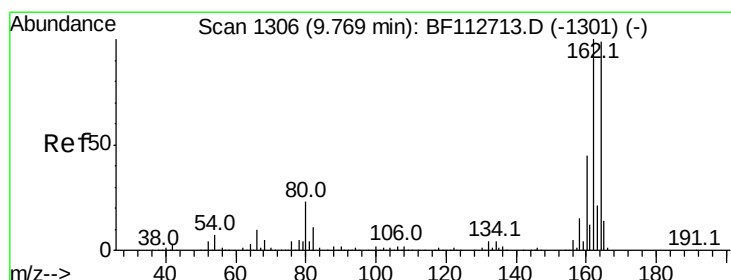
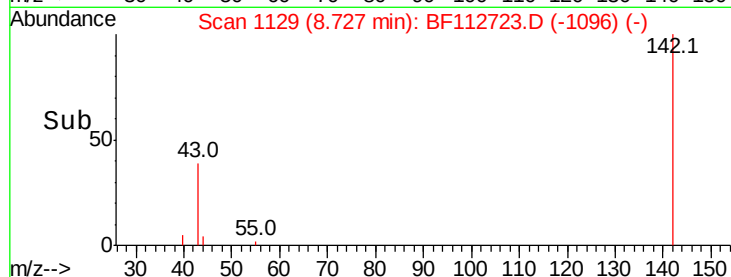
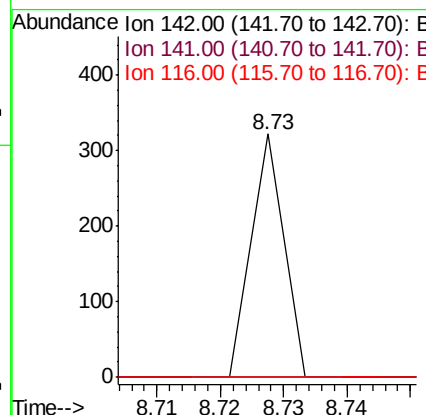
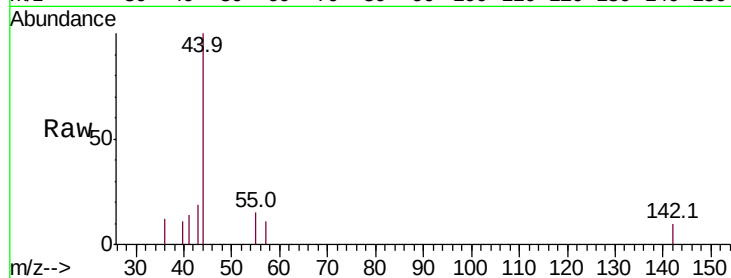




#38
 1-Methylnaphthalene
 Concen: 0.006 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.11 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

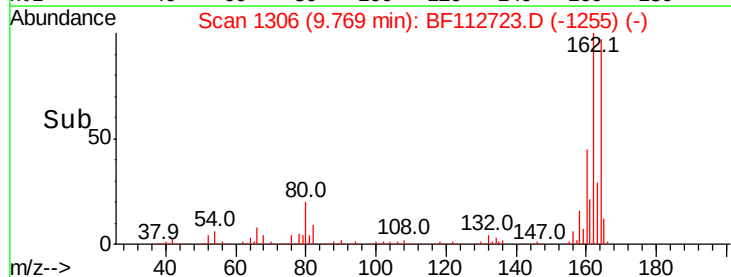
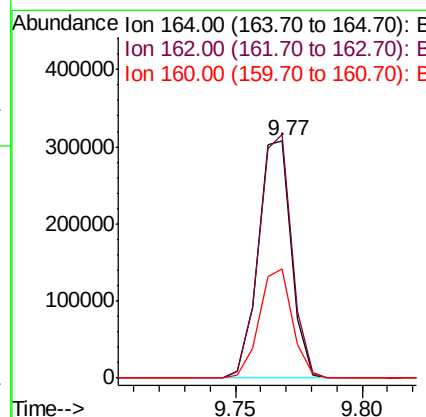
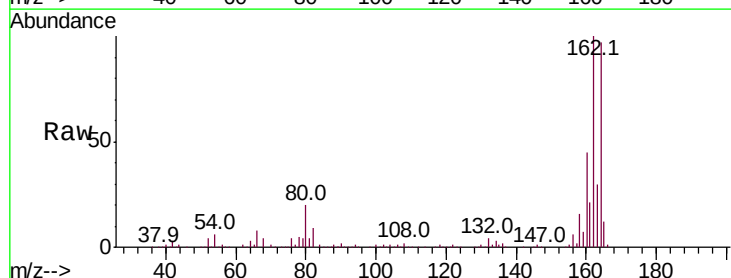
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

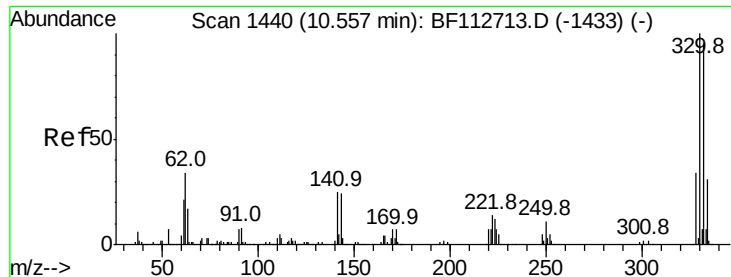
Tot Ion:142 Resp: 114
 Ion Ratio Lower Upper
 142 100
 141 0.0 73.7 110.5#
 116 0.0 3.1 4.7#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion:164 Resp: 279837
 Ion Ratio Lower Upper
 164 100
 162 102.6 80.6 120.8
 160 46.2 36.0 54.0

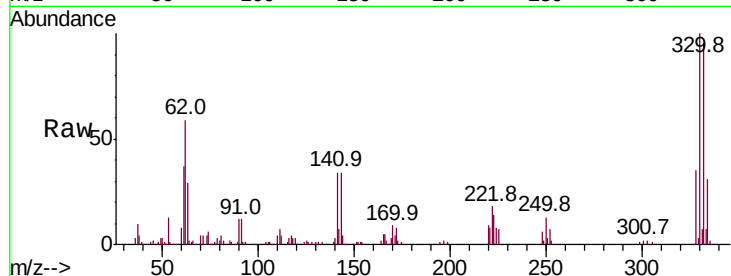




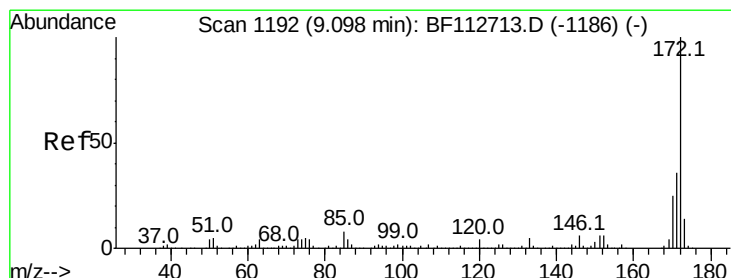
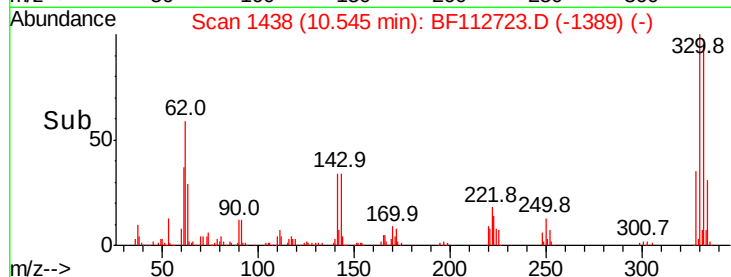
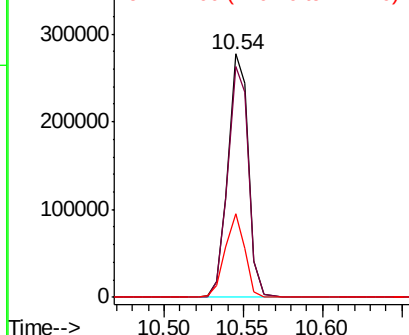
#42
 2,4,6-Tribromophenol
 Concen: 83.780 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.2	114.4
141	32.7	27.0	40.6

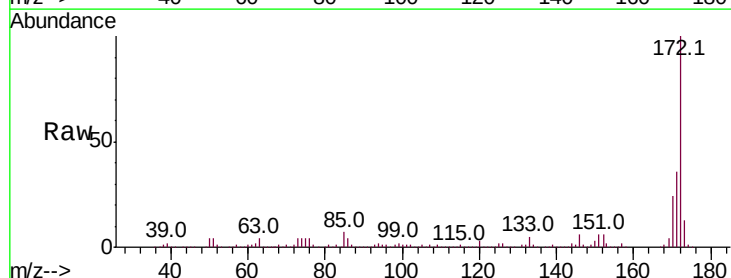


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

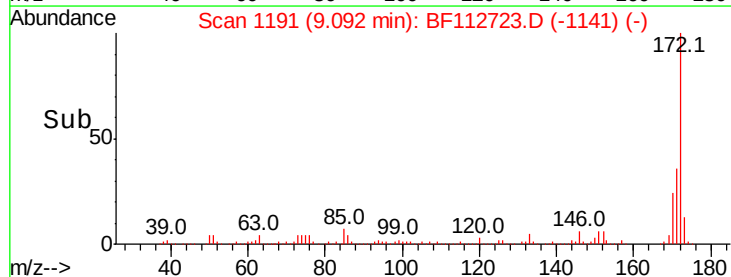
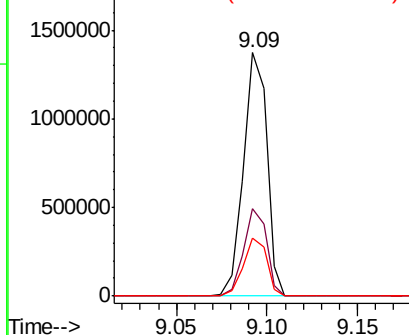


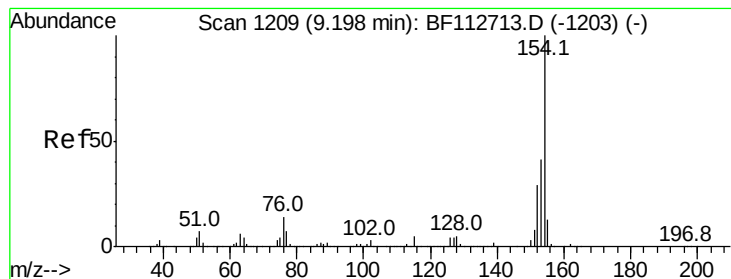
#45
 2-Fluorobiphenyl
 Concen: 73.913 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	24.1	20.0	30.0



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: 0.096 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

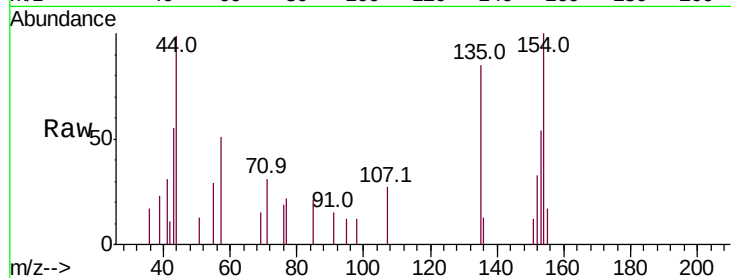
Tot Ion:154 Resp: 2201

Ion Ratio Lower Upper

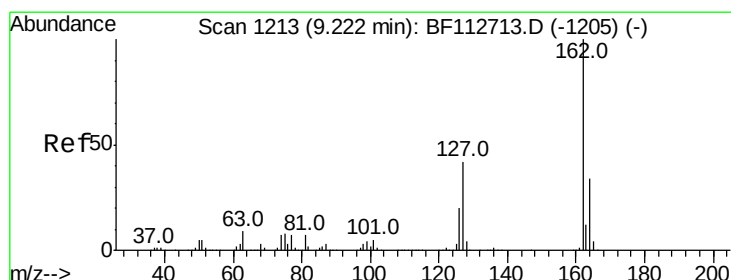
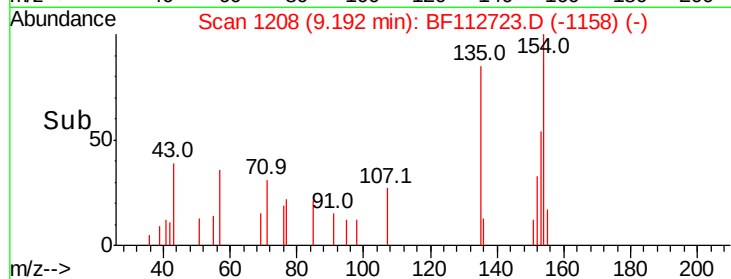
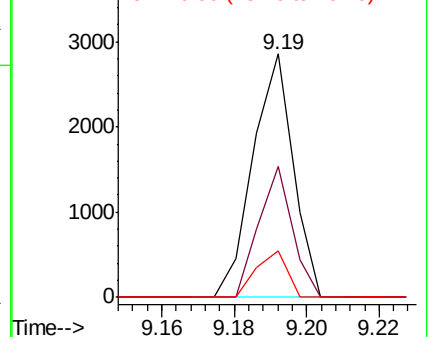
154 100

153 53.9 20.8 60.8

76 19.3 0.0 33.8



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: 0.038 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.26 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

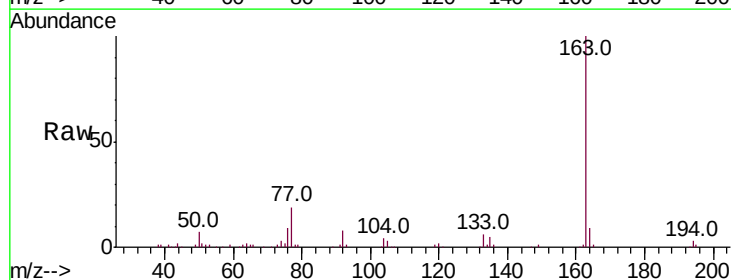
Tgt Ion:162 Resp: 672

Ion Ratio Lower Upper

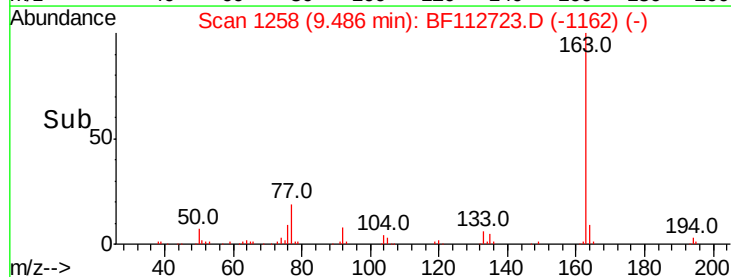
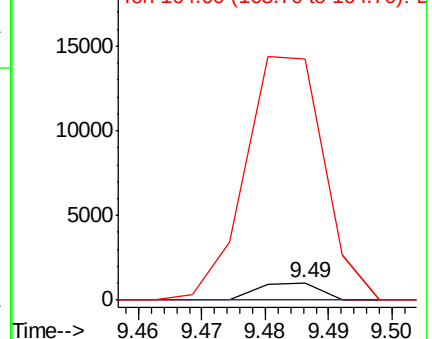
162 100

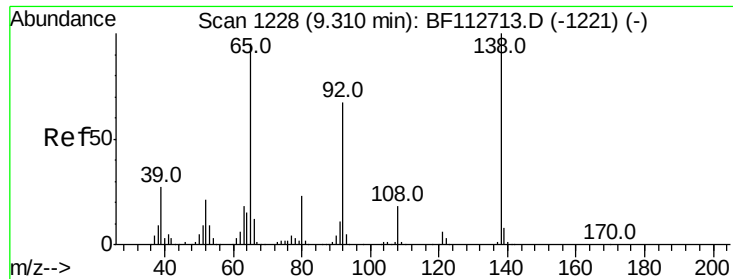
127 0.0 33.4 50.2#

164 1410.6 26.9 40.3#



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

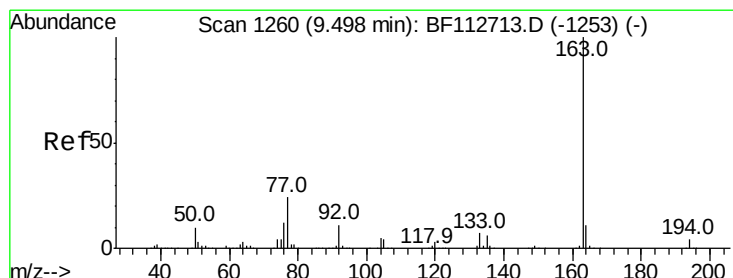
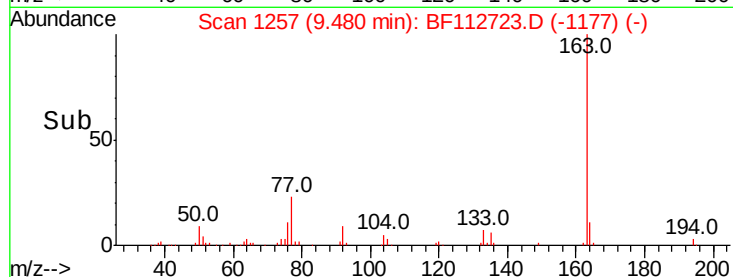
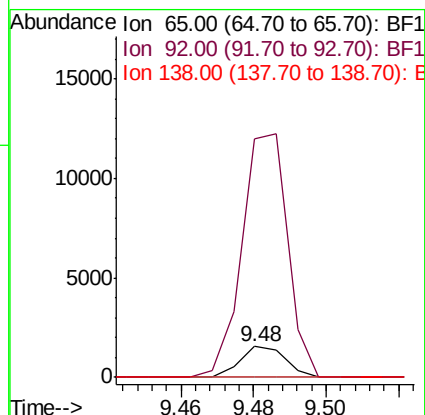
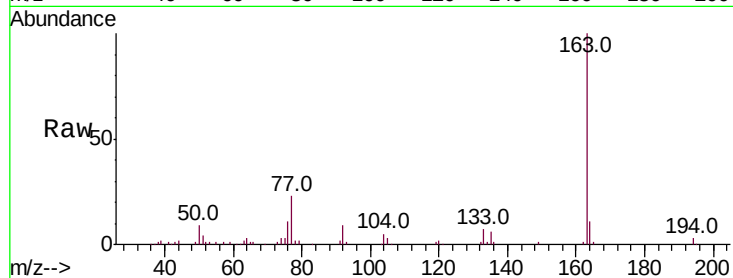




#48
2-Nitroaniline
Concen: 0.248 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.17 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

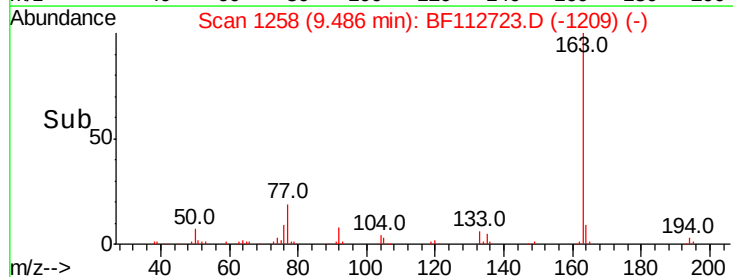
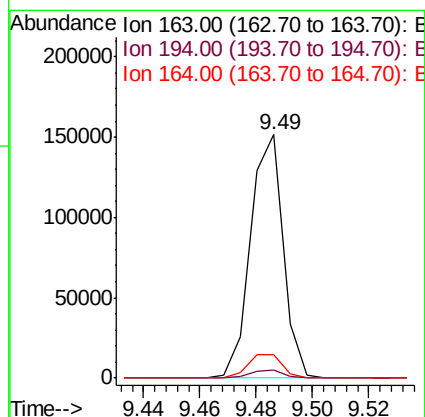
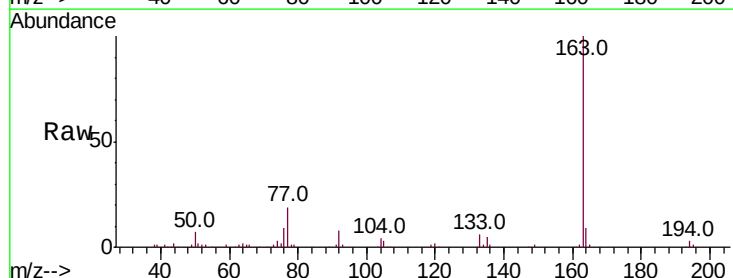
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

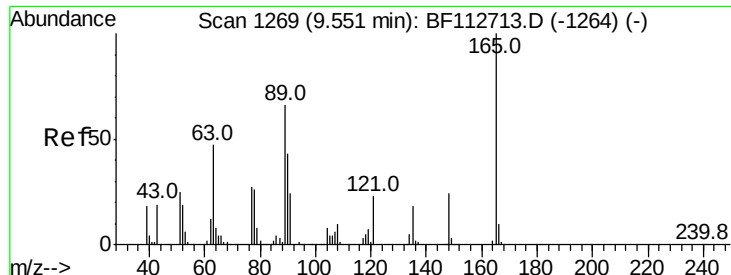
Tot Ion: 65 Resp: 1346
Ion Ratio Lower Upper
65 100
92 778.7 56.4 84.6#
138 0.0 84.6 126.8#



#50
Dimethylphthalate
Concen: 5.876 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:163 Resp: 121247
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 9.4 8.4 12.6

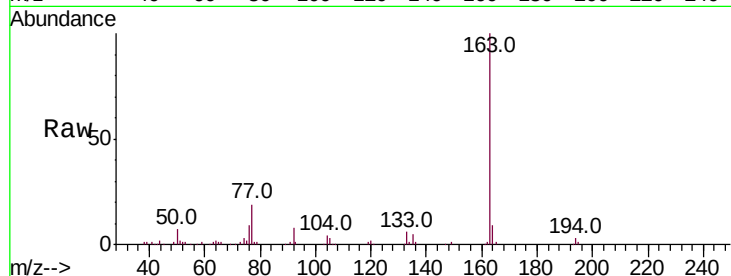




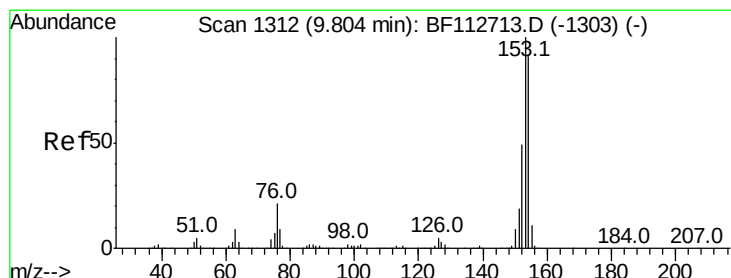
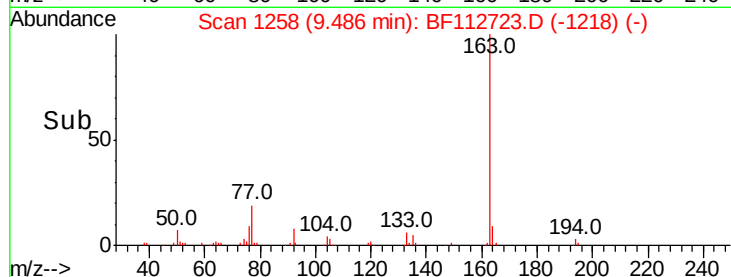
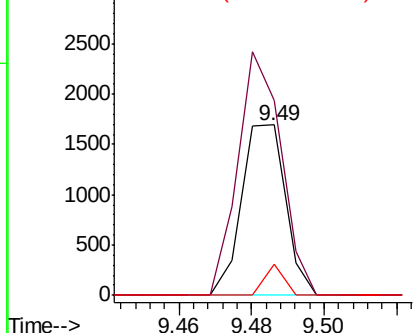
#51
2,6-Dinitrotoluene
Concen: 0.332 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.06 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion:165 Resp: 1427
Ion Ratio Lower Upper
165 100
63 114.6 54.1 81.1#
89 17.9 52.8 79.2#

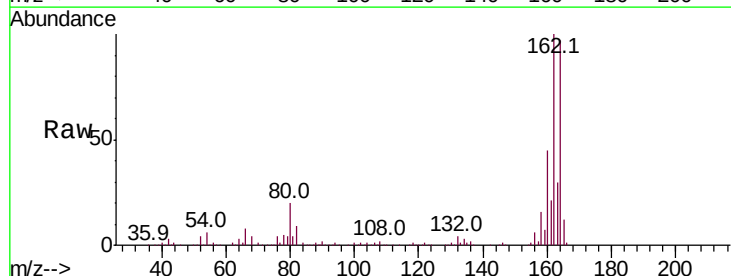


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

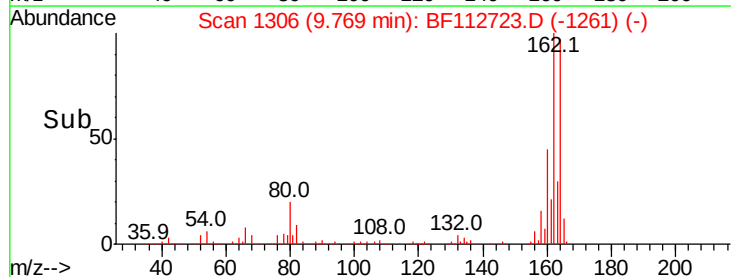
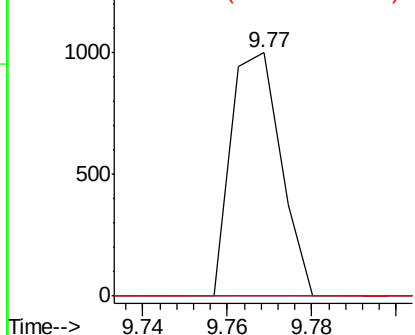


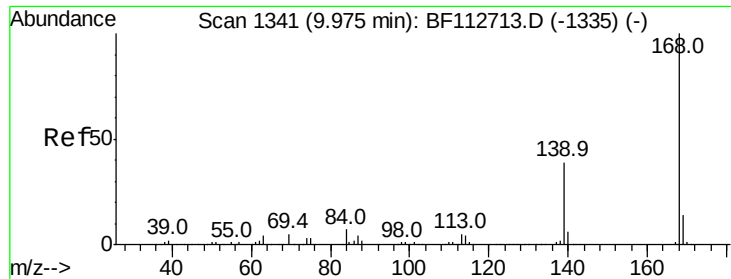
#52
Acenaphthene
Concen: 0.046 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.04 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:154 Resp: 816
Ion Ratio Lower Upper
154 100
153 0.0 87.8 131.8#
152 0.0 43.0 64.6#



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





#55

Dibenzofuran

Concen: 0.004 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

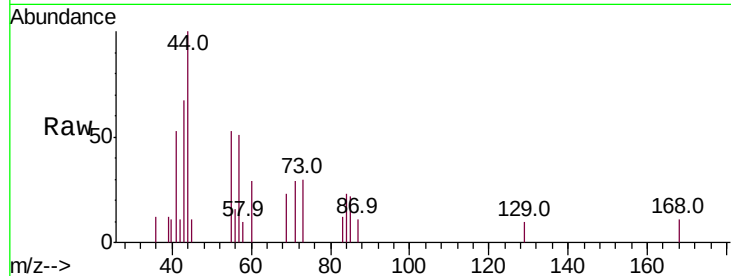
Tot Ion:168 Resp: 112

Ion Ratio Lower Upper

168 100

139 0.0 31.3 46.9#

169 0.0 11.3 16.9#



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

9.97

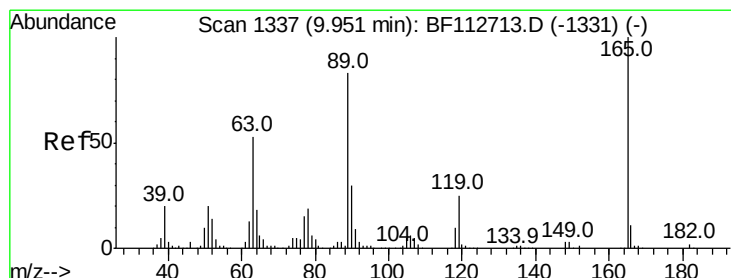
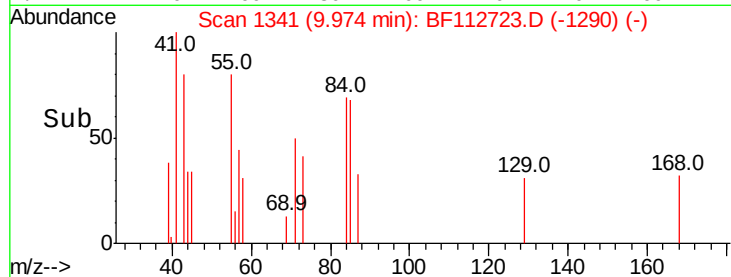
300

200

100

0

Time-->



#57

2,4-Dinitrotoluene

Concen: 6.637 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Tgt Ion:165 Resp: 35448

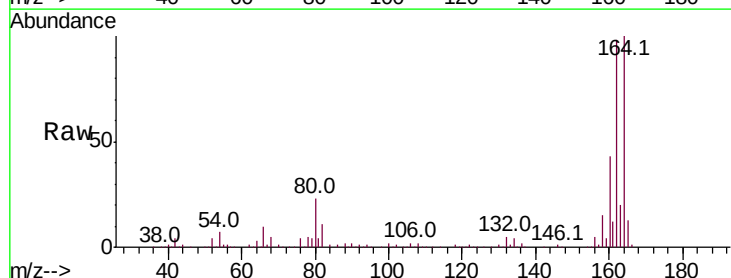
Ion Ratio Lower Upper

165 100

63 1.4 42.2 63.2#

89 1.1 66.2 99.4#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

9.76

40000

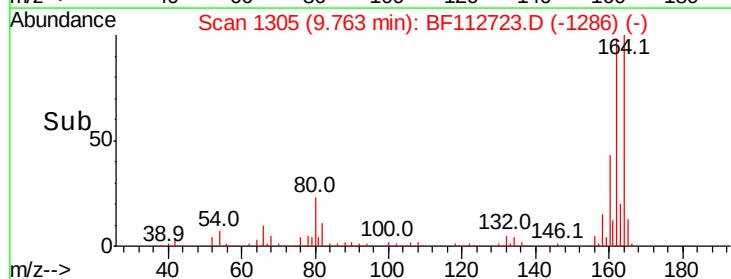
30000

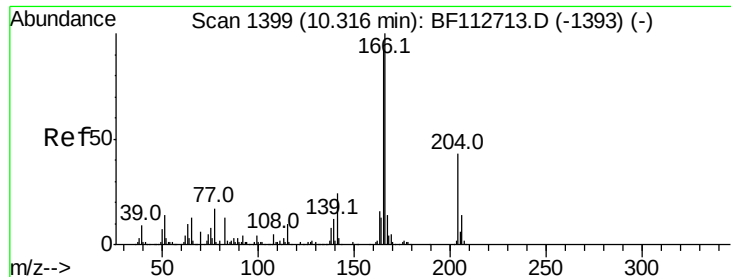
20000

10000

0

Time-->

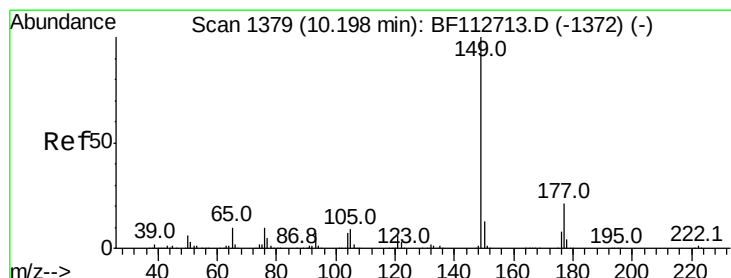
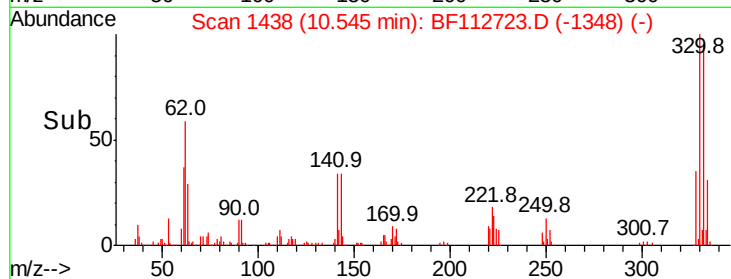
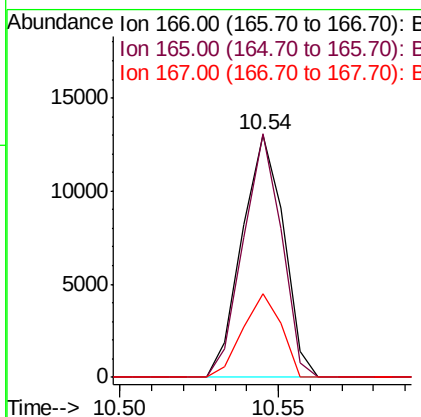
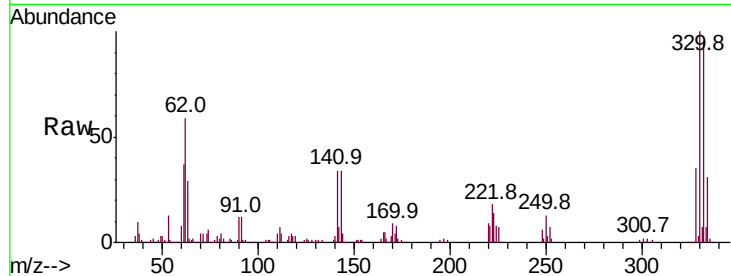




#58
 Fluorene
 Concen: 0.650 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.23 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

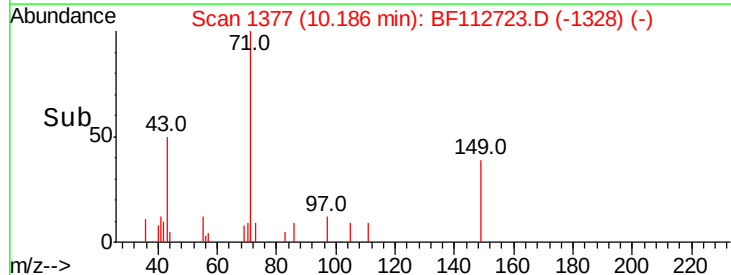
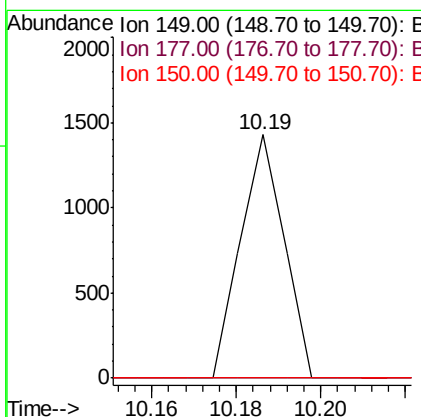
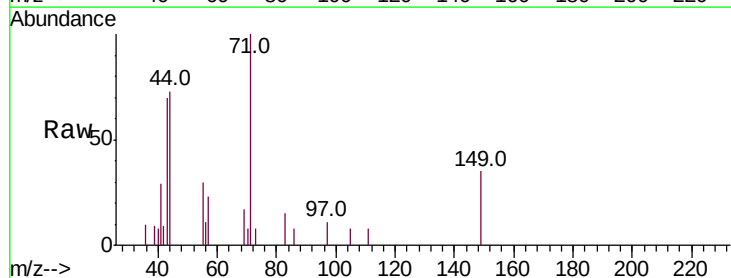
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

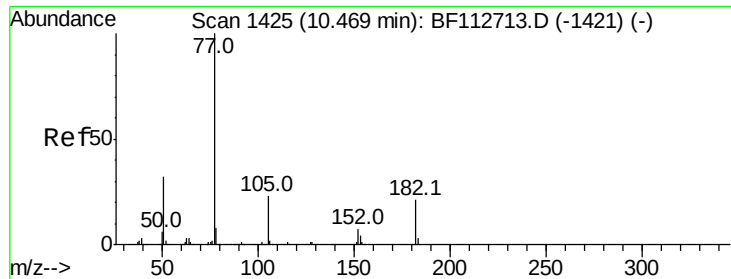
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	74.7	112.1
167	34.7	11.0	16.6#



#60
 Diethylphthalate
 Concen: 0.047 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	17.0	25.6#
150	0.0	10.0	15.0#





#63

Azobenzene

Concen: 0.082 ng

RT: 10.54 min Scan# 1438

Delta R.T. 0.08 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

Tot Ion: 77 Resp: 1837

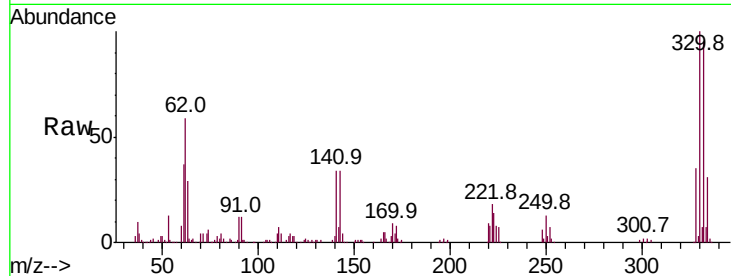
Ion Ratio Lower Upper

77 100

182 0.0 1.4 41.4#

105 95.5 2.6 42.6#

51 90.2 12.0 52.0#

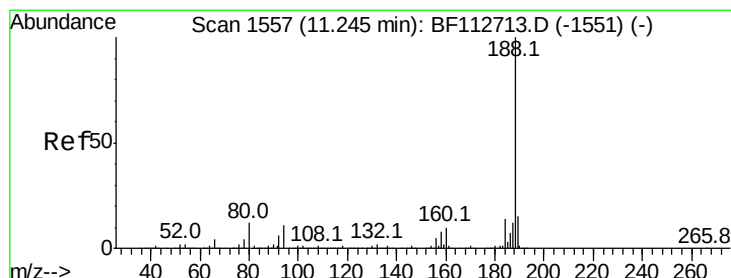
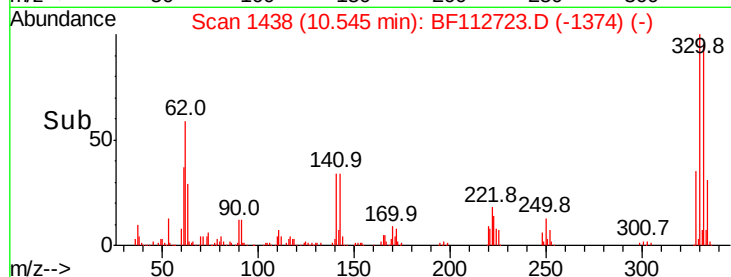
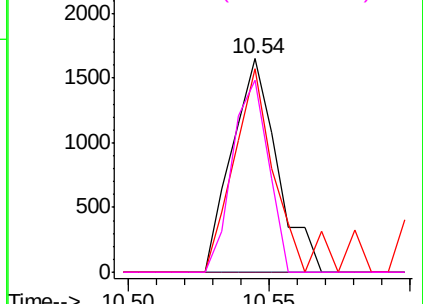


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

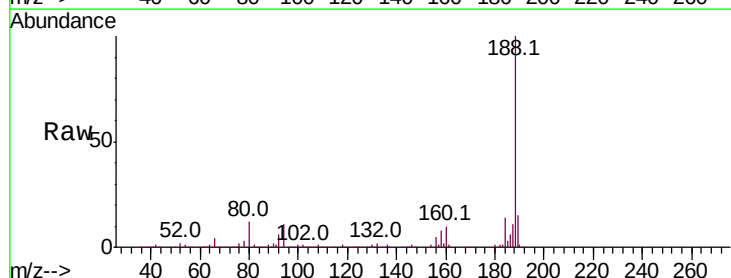
Tgt Ion: 188 Resp: 467618

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

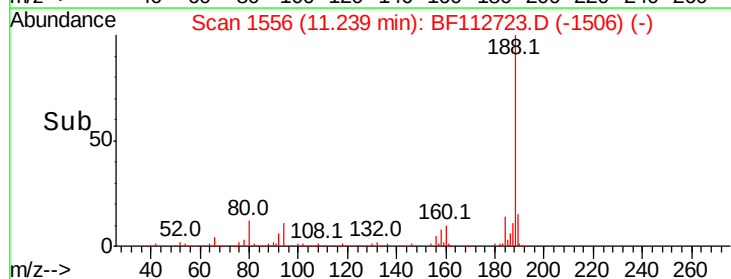
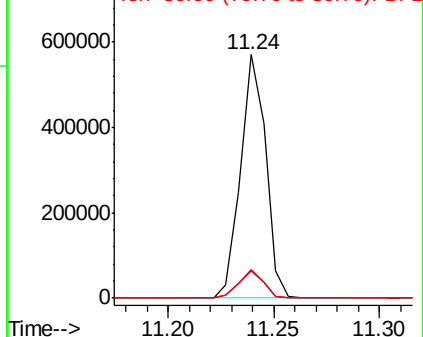
80 12.0 9.2 13.8

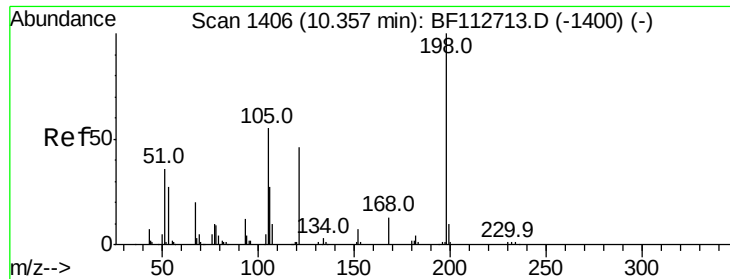


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

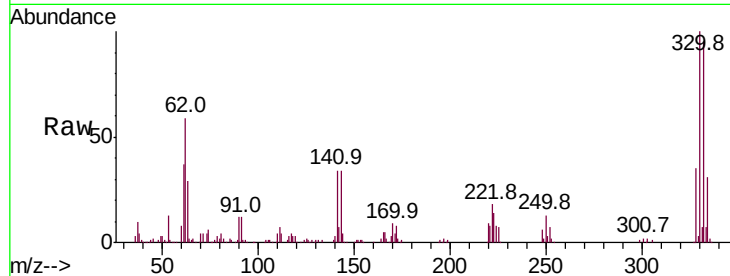




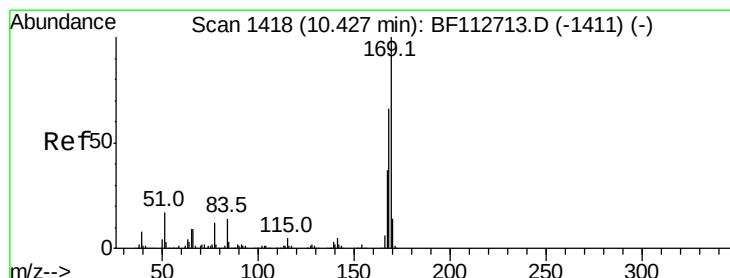
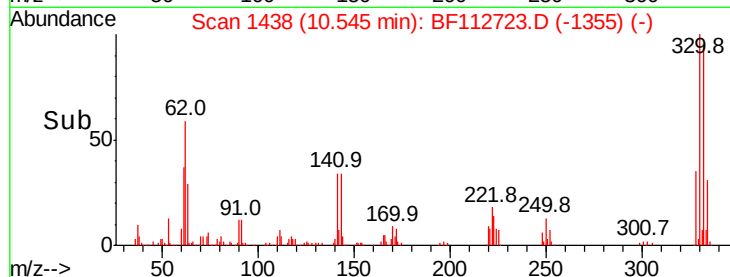
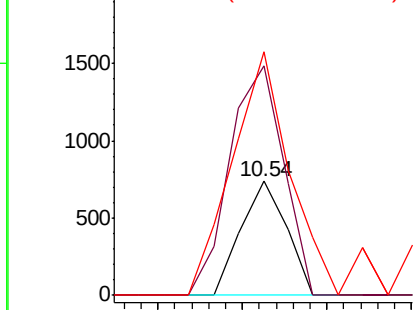
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.872 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion	Ratio	Lower	Upper
198	100		
51	201.9	43.8	83.8#
105	213.7	36.5	76.5#

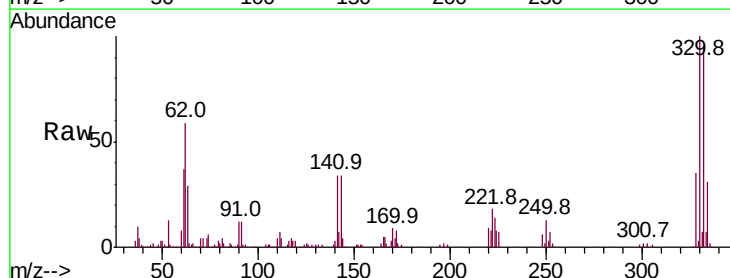


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

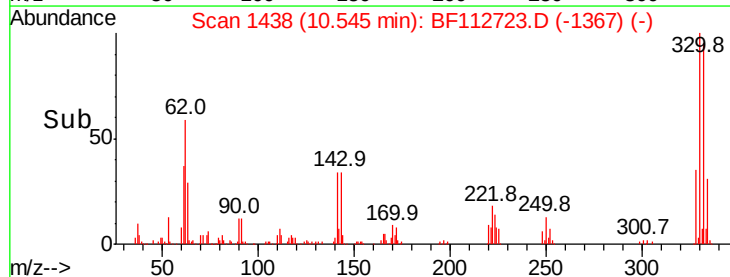
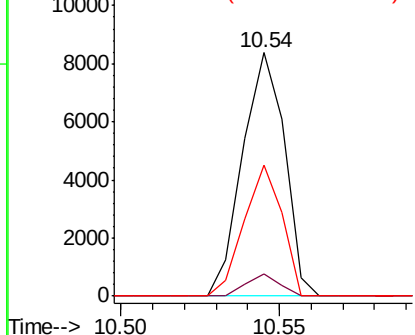


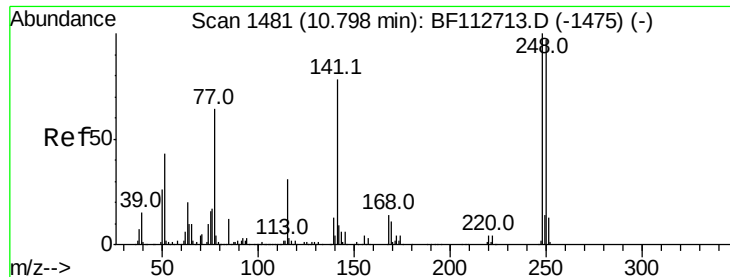
#66
 n-Nitrosodiphenylamine
 Concen: 0.512 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.12 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	Ratio	Lower	Upper
169	100		
168	9.0	53.0	79.6#
167	53.8	29.3	43.9#



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

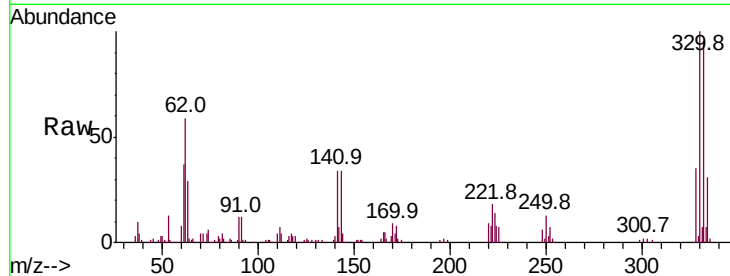




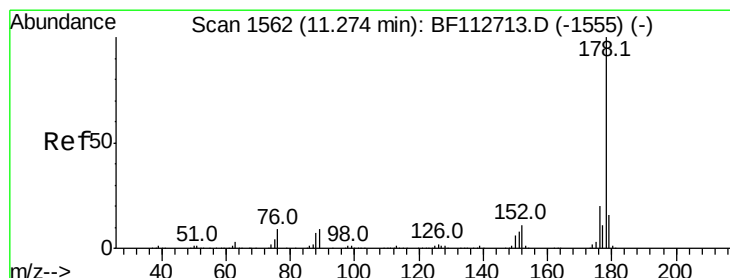
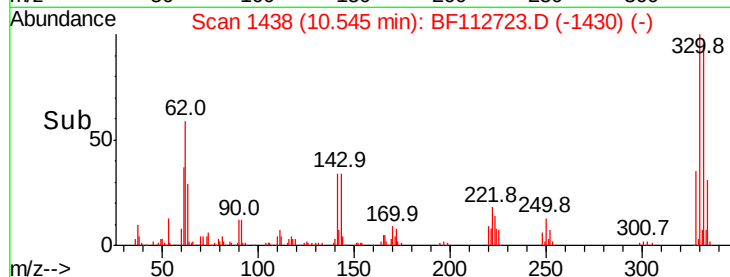
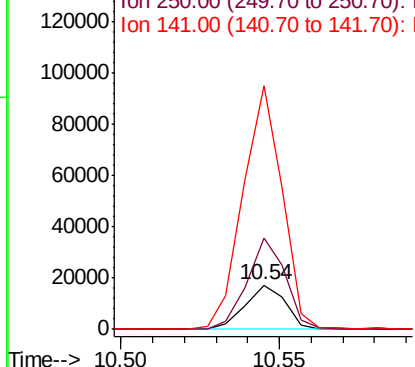
#67
 4-Bromophenyl-phenylether
 Concen: 3.051 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion:248 Resp: 15029
 Ion Ratio Lower Upper
 248 100
 250 206.5 77.5 116.3#
 141 553.0 62.4 93.6#

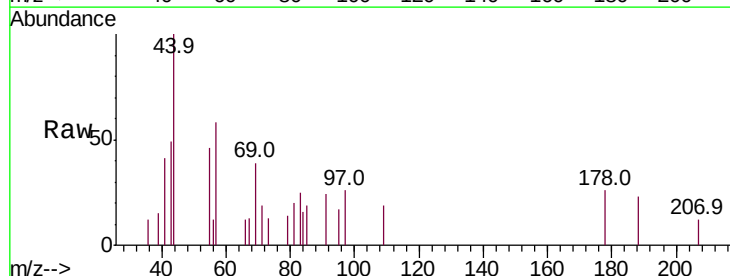


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

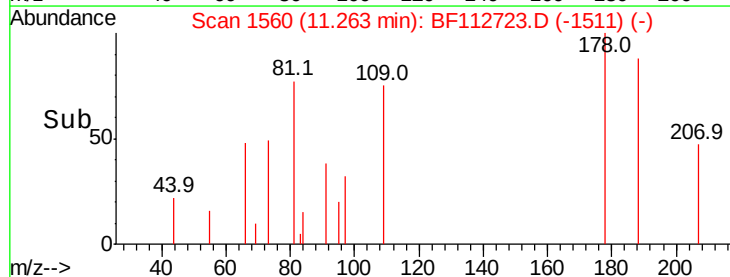
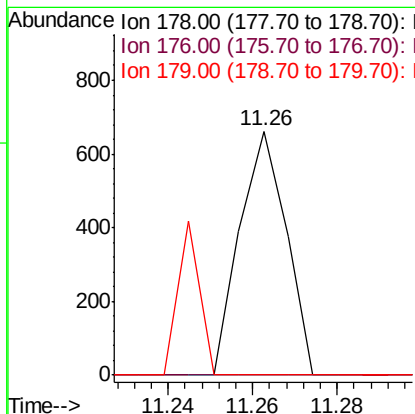


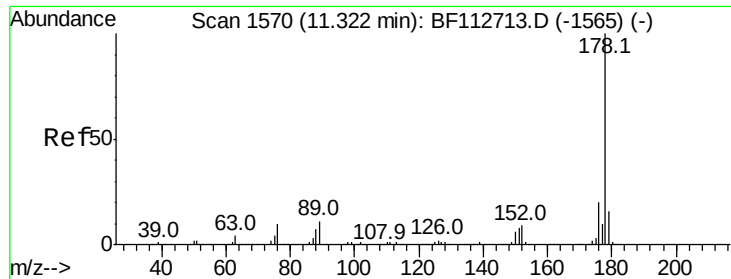
#71
 Phenanthrene
 Concen: 0.022 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion:178 Resp: 504
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.3 24.5#
 179 0.0 12.7 19.1#



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: 0.021 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.06 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampled :

B-4(4-5)

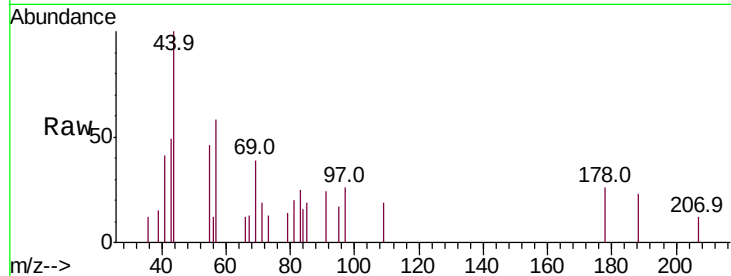
Tot Ion:178 Resp: 504

Ion Ratio Lower Upper

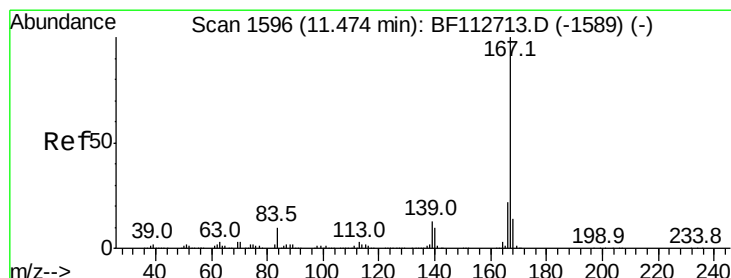
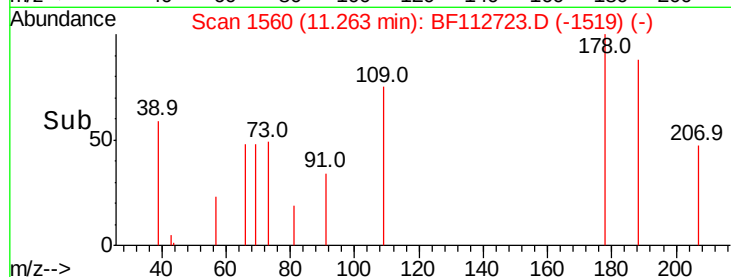
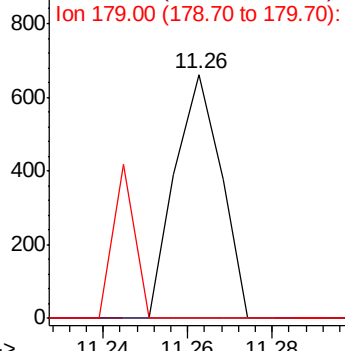
178 100

176 0.0 15.8 23.6#

179 0.0 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E



#73

Carbazole

Concen: 0.016 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

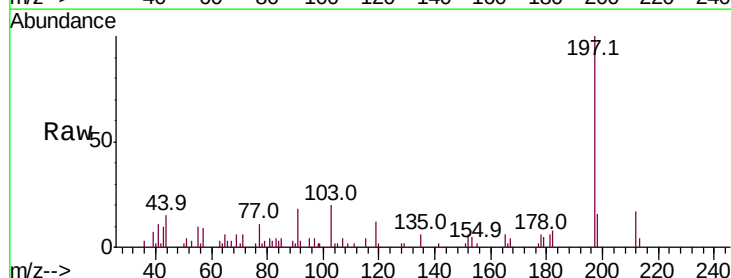
Tgt Ion:167 Resp: 391

Ion Ratio Lower Upper

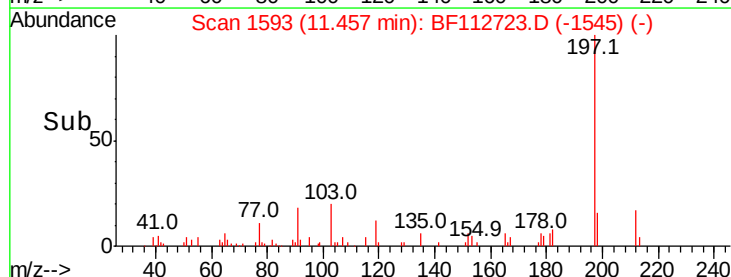
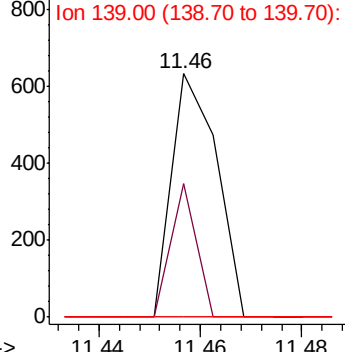
167 100

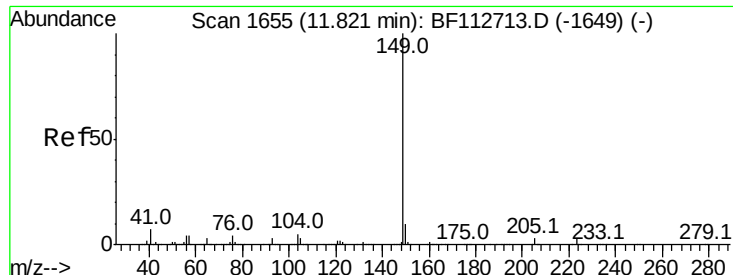
166 55.0 17.5 26.3#

139 0.0 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

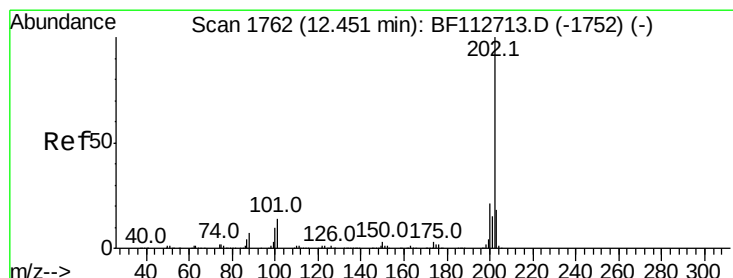
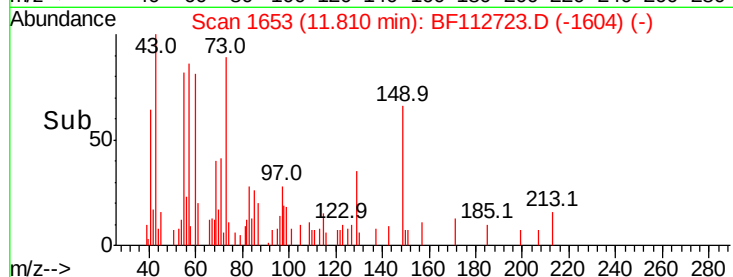
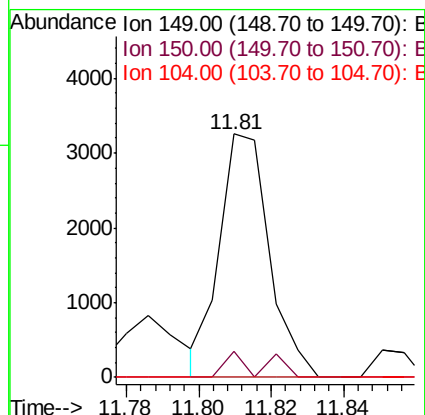
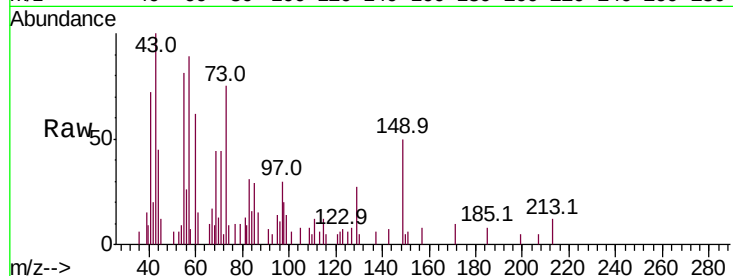




#74
Di-n-butylphthalate
Concen: 0.109 ng
RT: 11.81 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

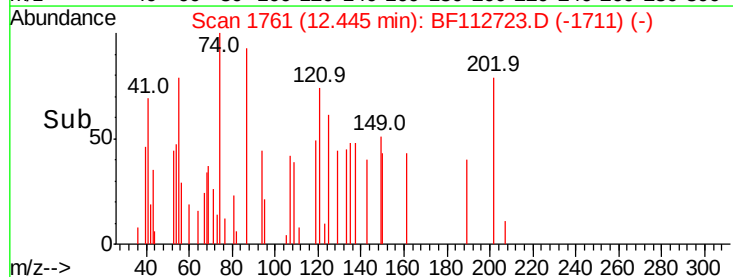
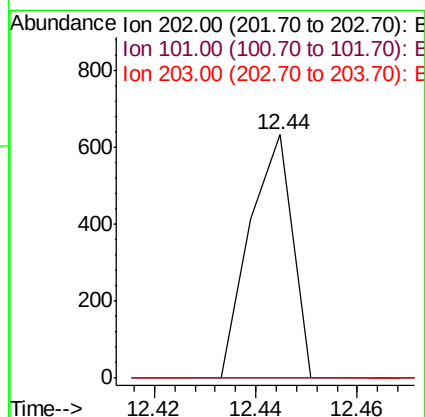
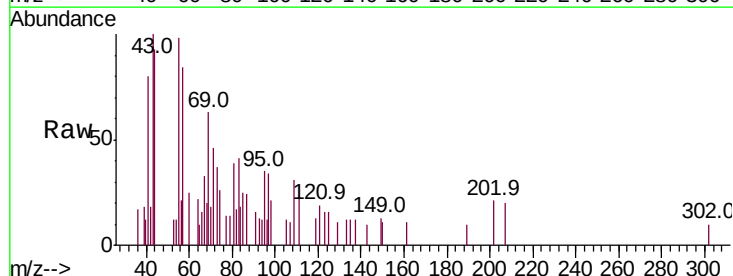
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

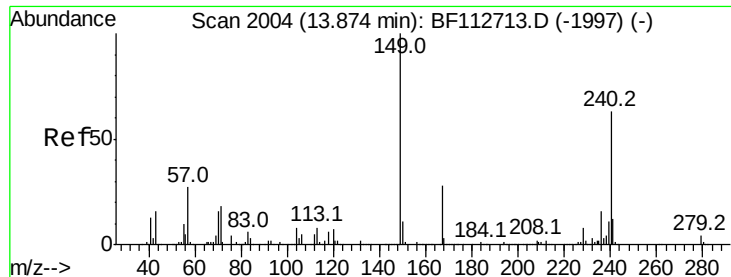
Tot Ion:149 Resp: 3108
Ion Ratio Lower Upper
149 100
150 10.5 7.6 11.4
104 0.0 3.7 5.5#



#75
Fluoranthene
Concen: 0.015 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:202 Resp: 370
Ion Ratio Lower Upper
202 100
101 0.0 0.0 33.8
203 0.0 0.0 38.4

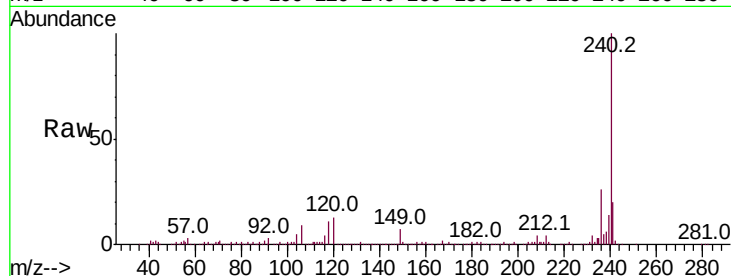




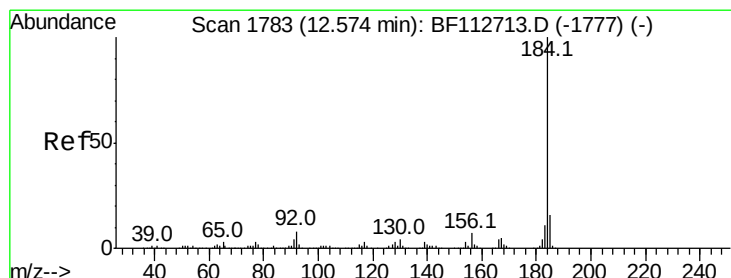
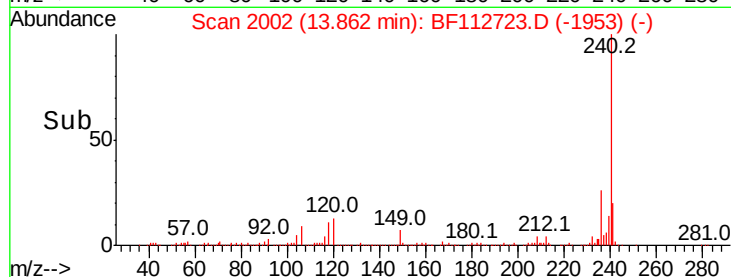
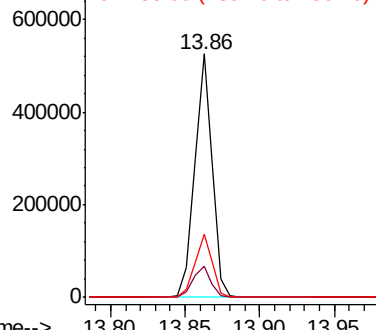
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion:240 Resp: 435235
 Ion Ratio Lower Upper
 240 100
 120 12.9 8.9 13.3
 236 26.2 20.7 31.1

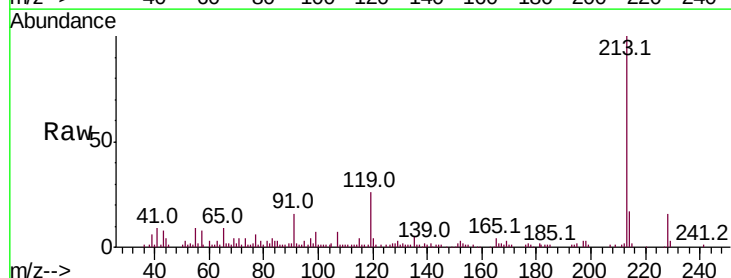


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

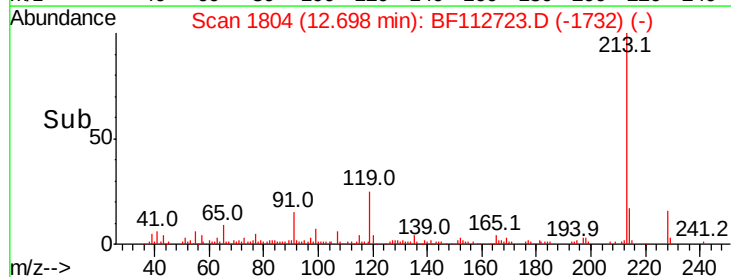
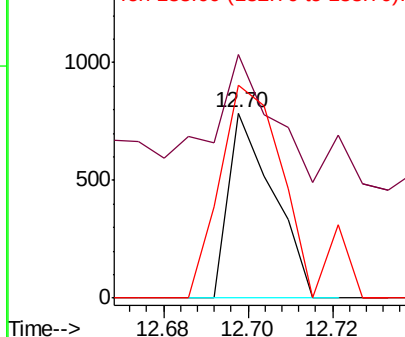


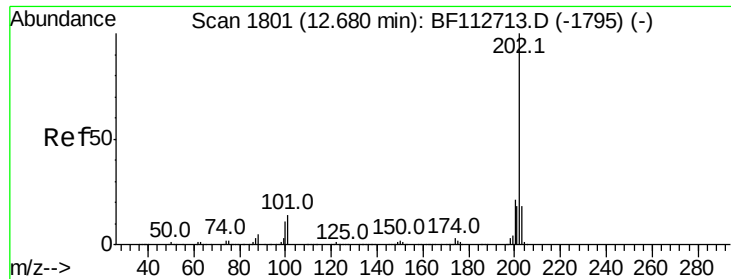
#77
 Benzidine
 Concen: 0.026 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.12 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion:184 Resp: 578
 Ion Ratio Lower Upper
 184 100
 185 131.6 12.6 18.8#
 183 115.1 8.6 12.8#



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

Pvrene

Concen: 0.019 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

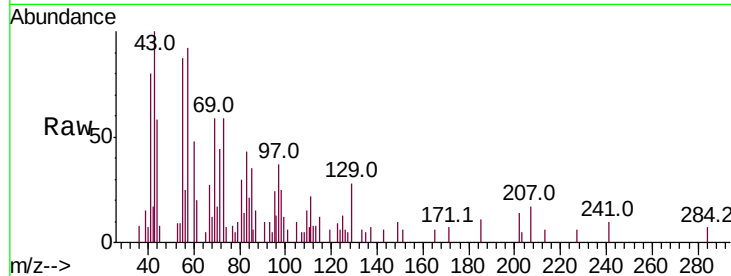
Tot Ion:202 Resp: 708

Ion Ratio Lower Upper

202 100

200 0.0 17.0 25.4#

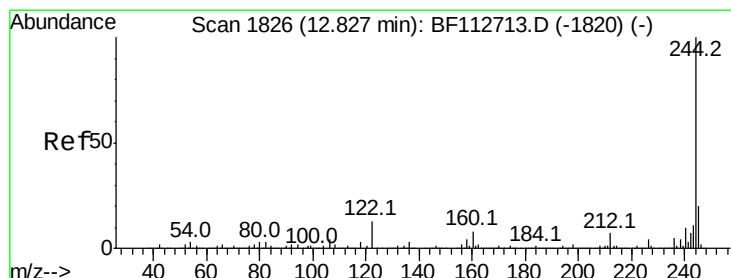
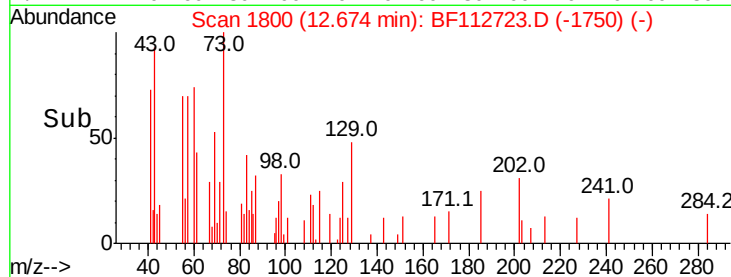
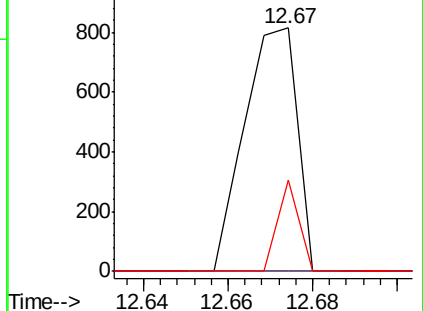
203 37.5 14.4 21.6#



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: 45.080 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

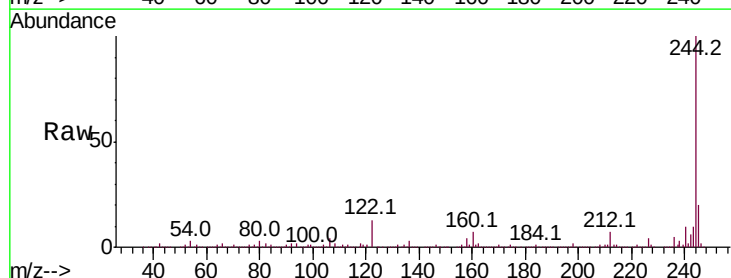
Tgt Ion:244 Resp: 1012153

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

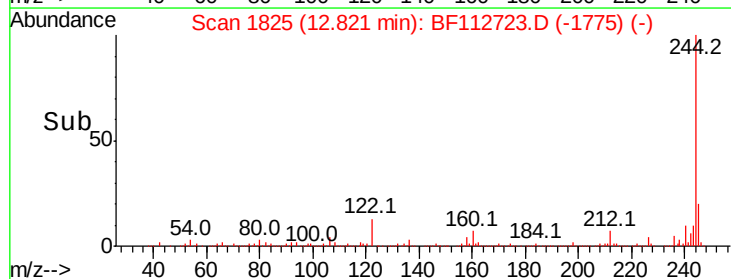
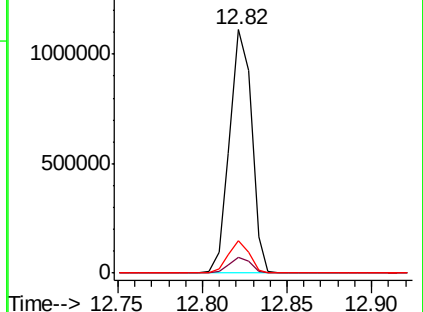
122 13.4 10.5 15.7

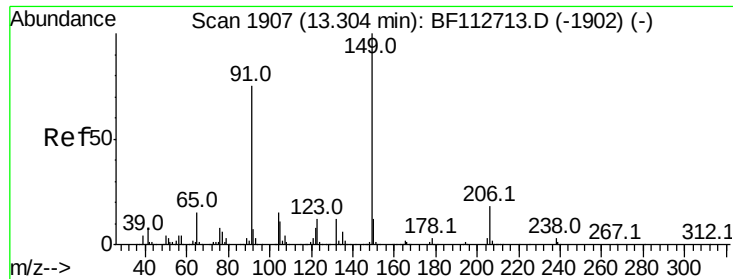


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

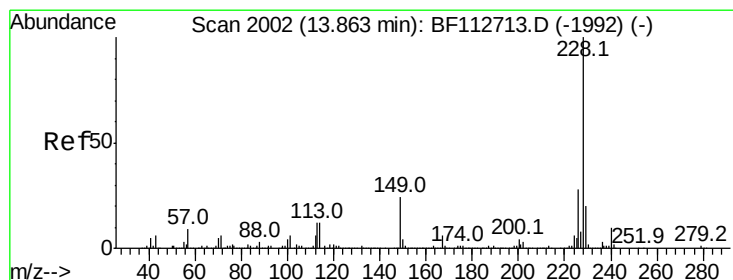
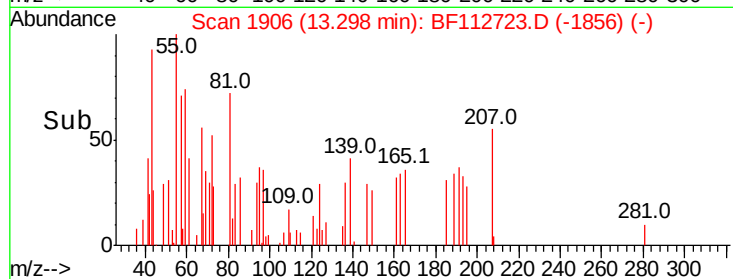
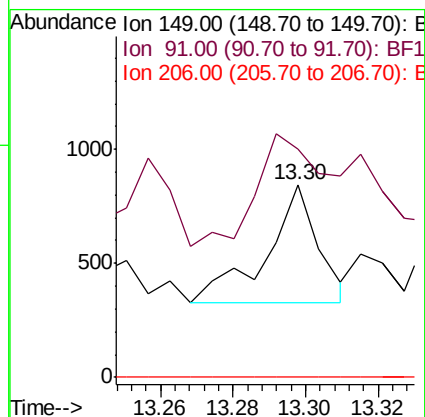
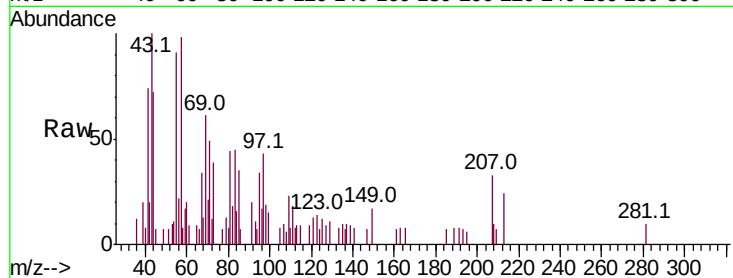




#80
Butylbenzylphthalate
Concen: 0.032 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

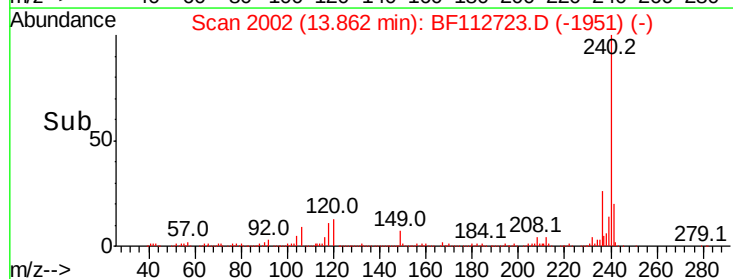
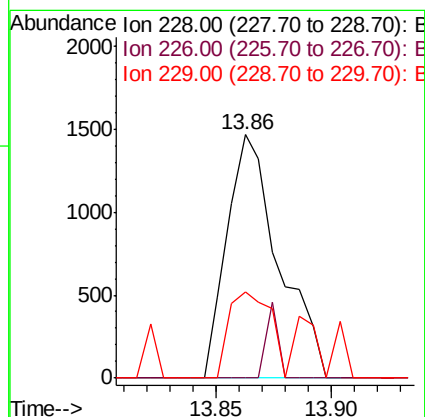
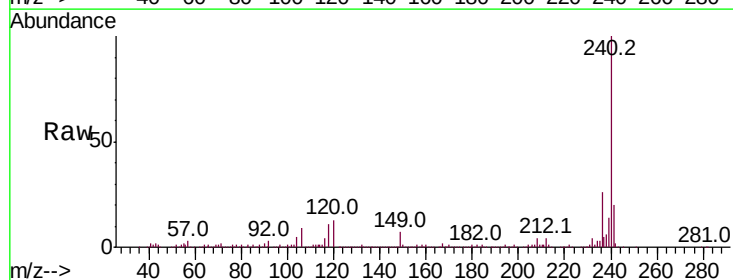
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

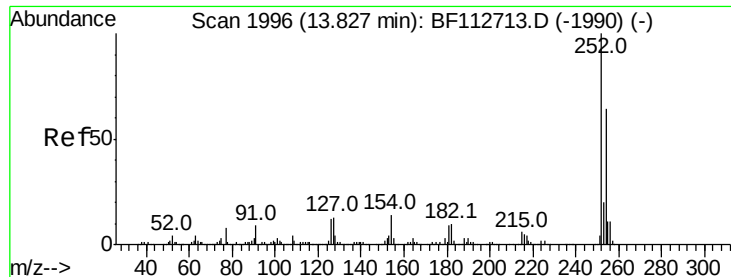
Tot Ion:149 Resp: 516
Ion Ratio Lower Upper
149 100
91 118.4 59.9 89.9#
206 0.0 14.7 22.1#



#81
Benzo(a)anthracene
Concen: 0.076 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:228 Resp: 2286
Ion Ratio Lower Upper
228 100
226 0.0 22.2 33.4#
229 35.4 16.0 24.0#





#82

3,3'-Dichlorobenzidine

Concen: 0.009 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.03 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

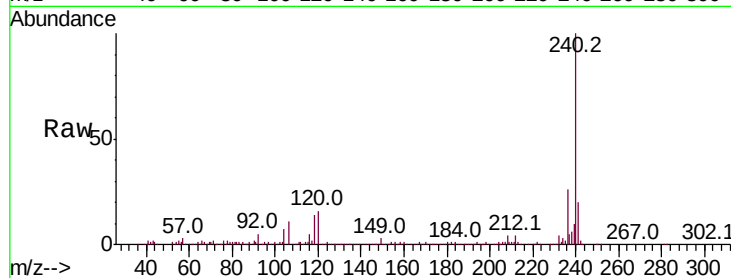
Tot Ion:252 Resp: 107

Ion Ratio Lower Upper

252 100

254 0.0 51.1 76.7#

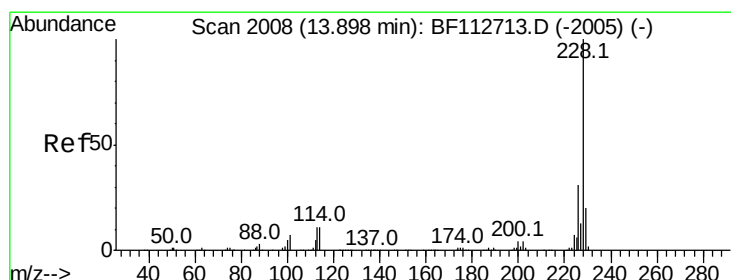
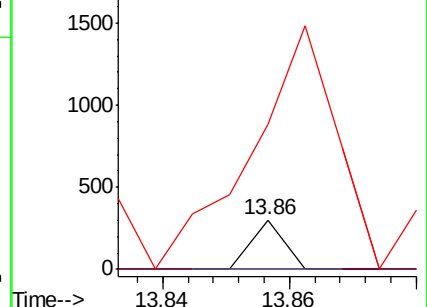
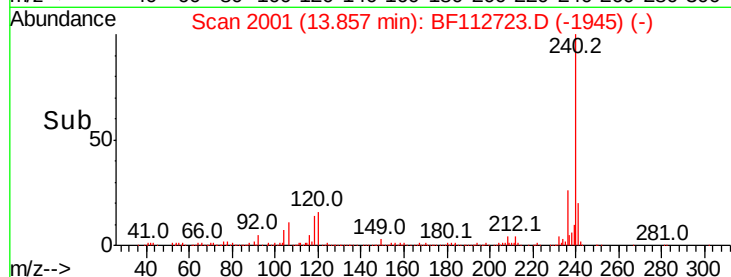
126 293.0 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

2000 Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.077 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

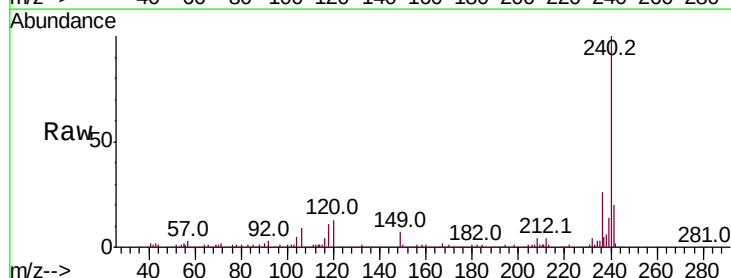
Tgt Ion:228 Resp: 2286

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

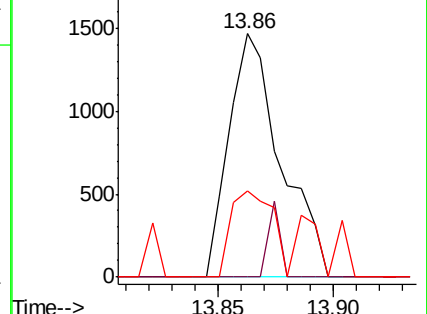
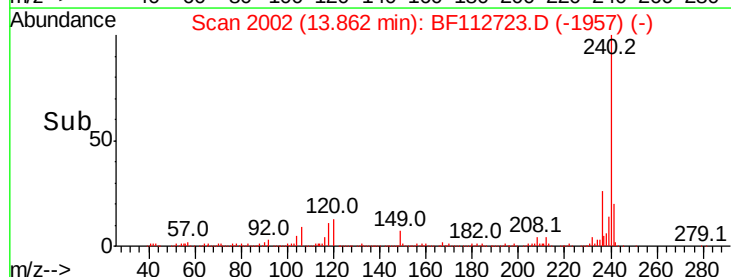
229 35.4 16.3 24.5#

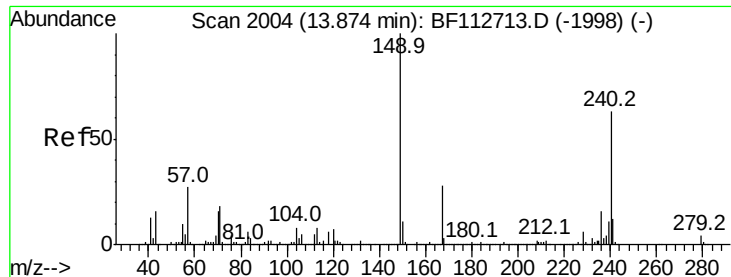


Abundance Ion 228.00 (227.70 to 228.70): E

2000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

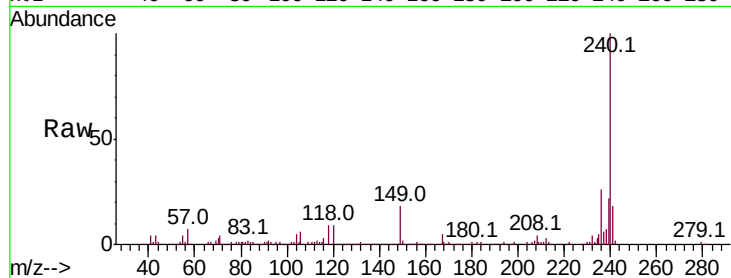




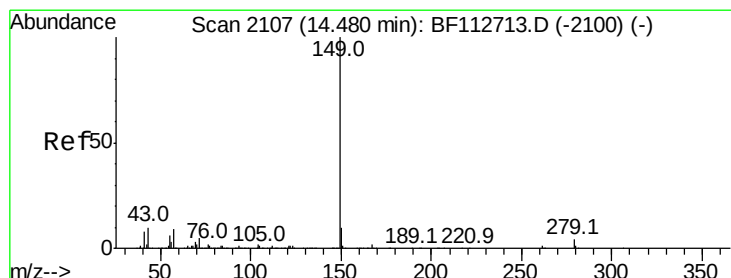
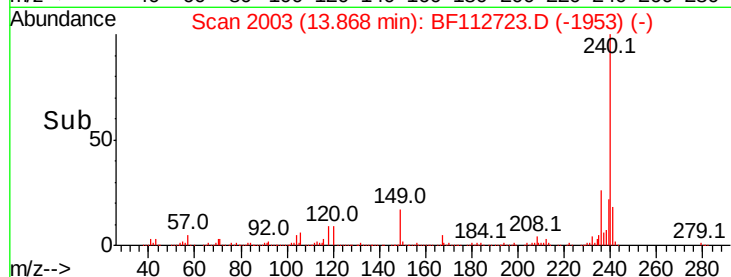
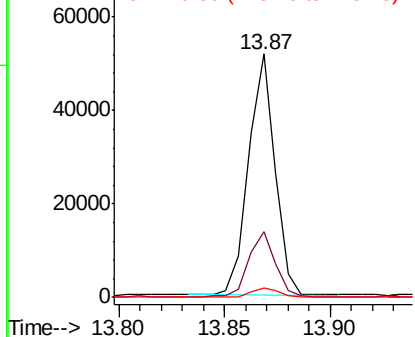
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.362 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion:149 Resp: 44876
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.4 33.6
 279 3.7 3.3 4.9

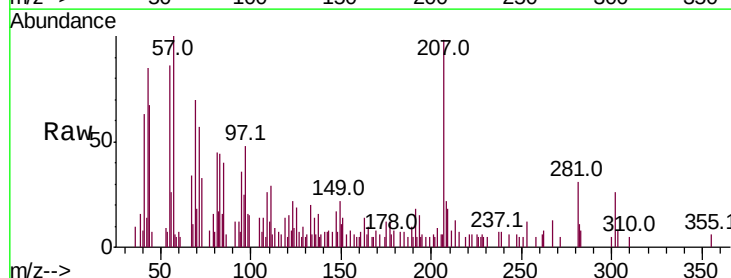


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

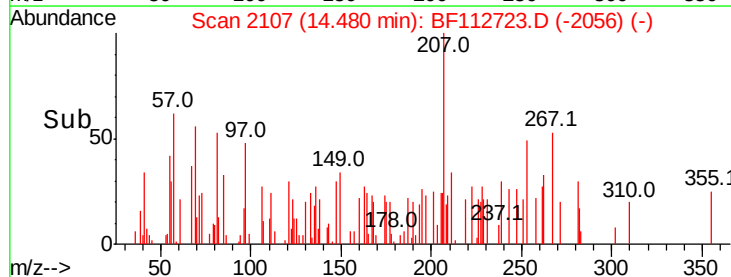
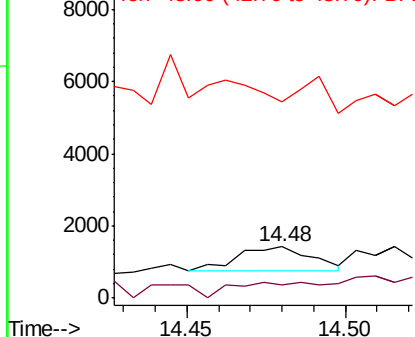


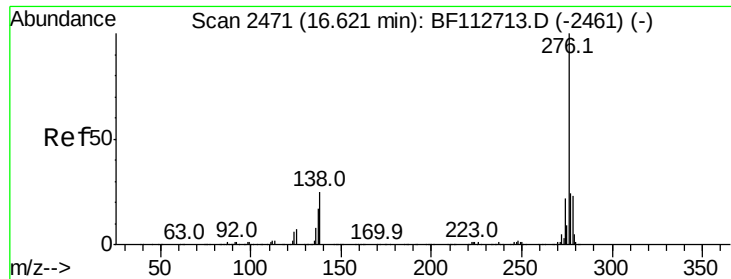
#85
 Di-n-octyl phthalate
 Concen: 0.032 ng
 RT: 14.48 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion:149 Resp: 1054
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 9.0 13.4#



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

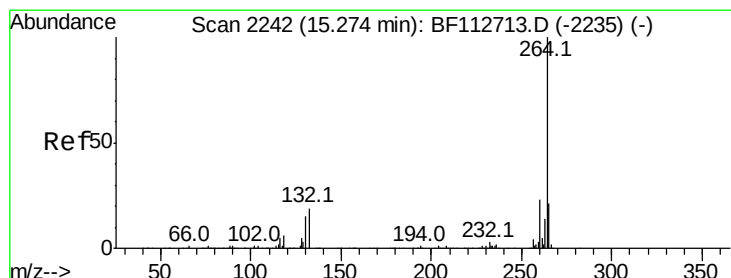
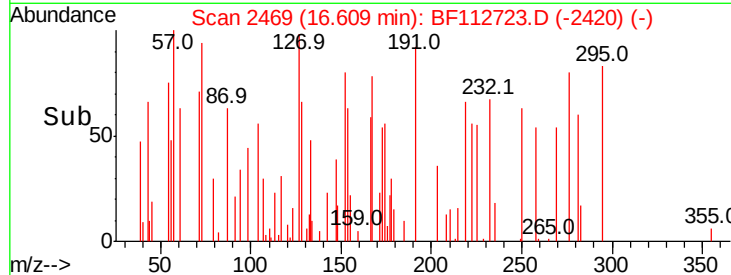
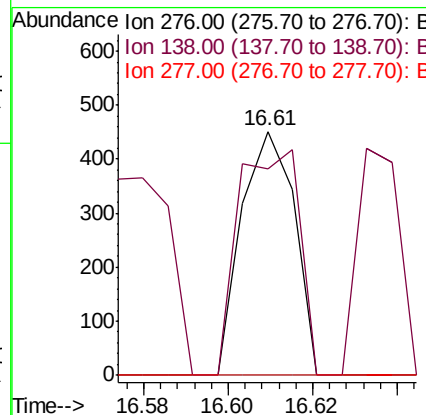
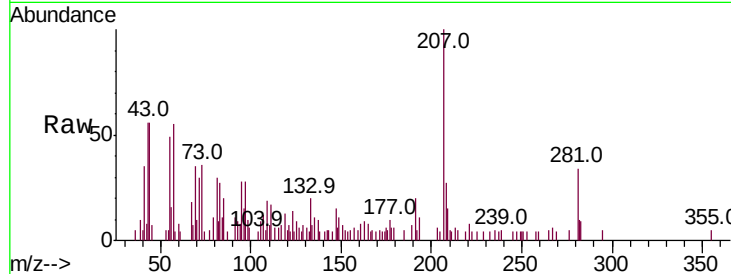




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.016 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

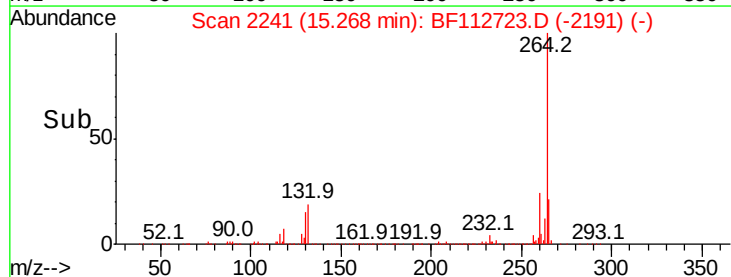
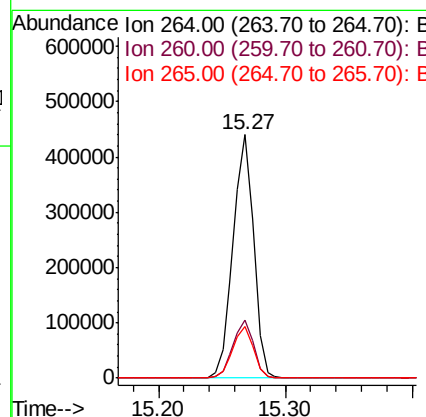
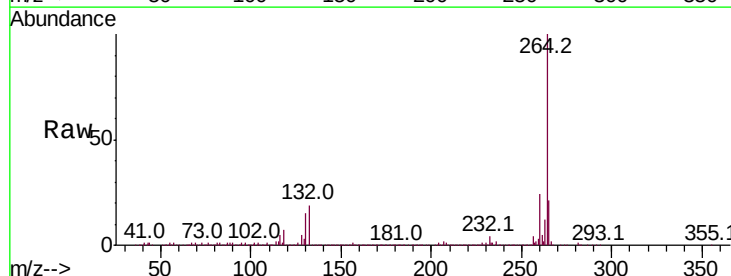
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

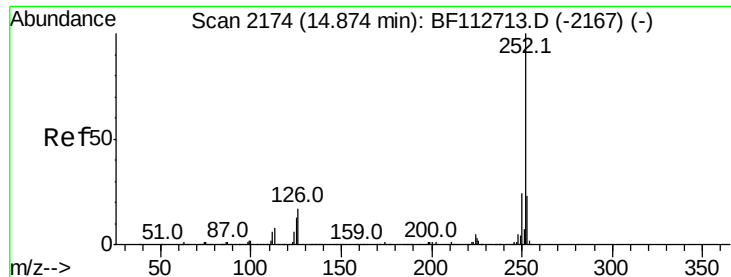
Tot Ion	Ratio	Lower	Upper
276	100		
138	107.1	23.2	34.8#
277	0.0	19.9	29.9#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF112723.D
 Acq: 27 Feb 2019 17:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.4	17.2	25.8

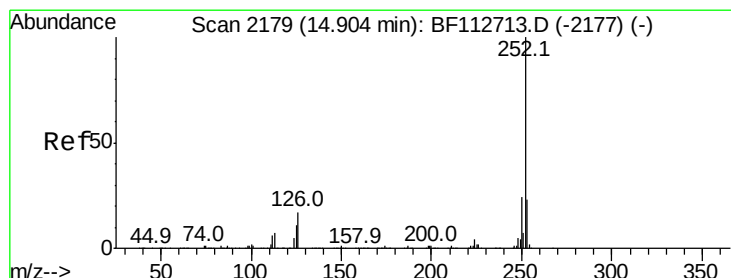
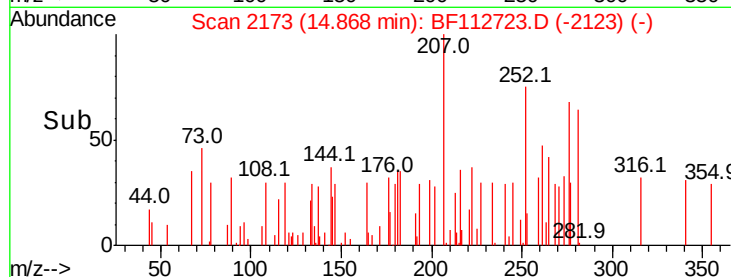
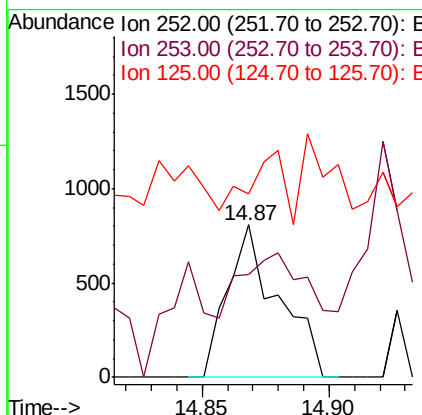
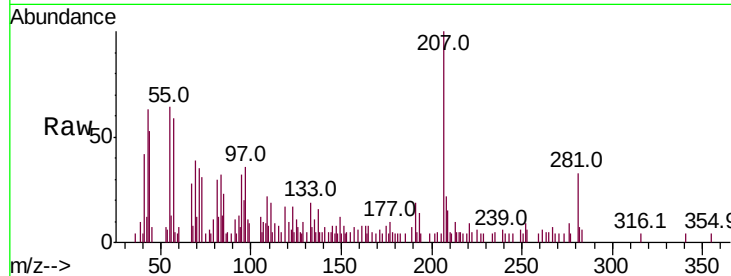




#88
Benzo(b)fluoranthene
Concen: 0.035 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

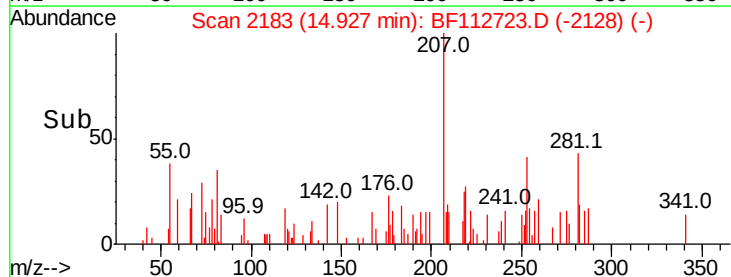
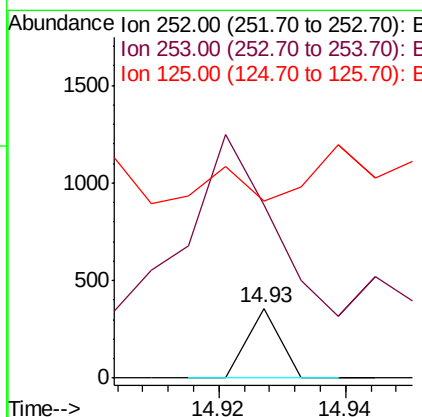
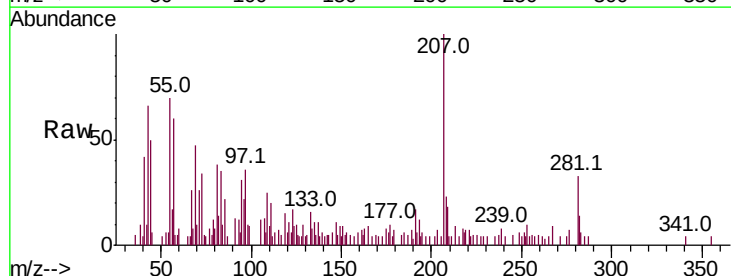
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

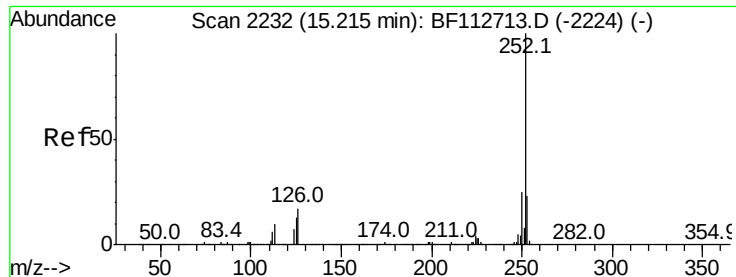
Tot Ion:252 Resp: 1124
Ion Ratio Lower Upper
252 100
253 67.1 18.0 27.0#
125 120.7 10.2 15.2#



#89
Benzo(k)fluoranthene
Concen: 0.004 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.02 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:252 Resp: 126
Ion Ratio Lower Upper
252 100
253 247.8 18.2 27.2#
125 252.8 9.8 14.6#

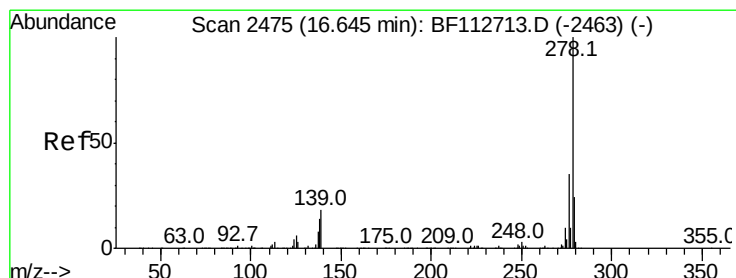
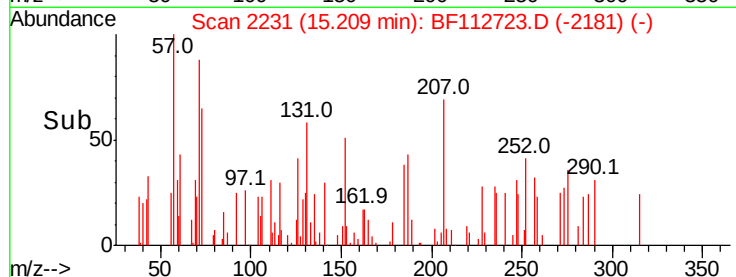
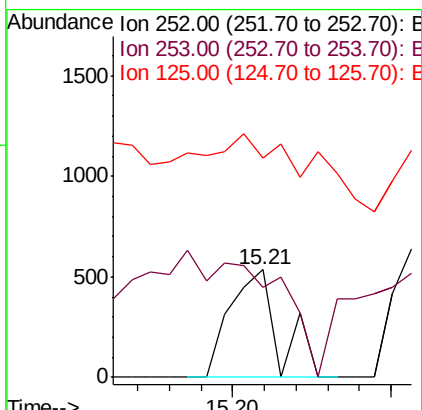
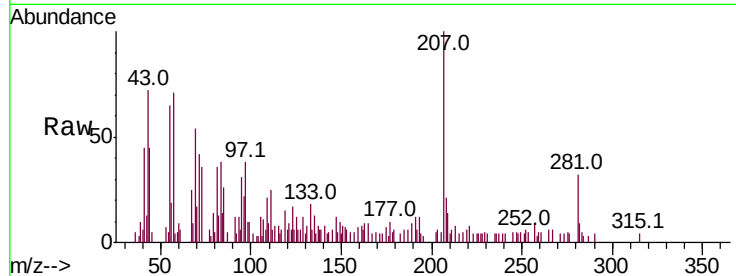




#90
Benzo(a)pyrene
Concen: 0.020 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

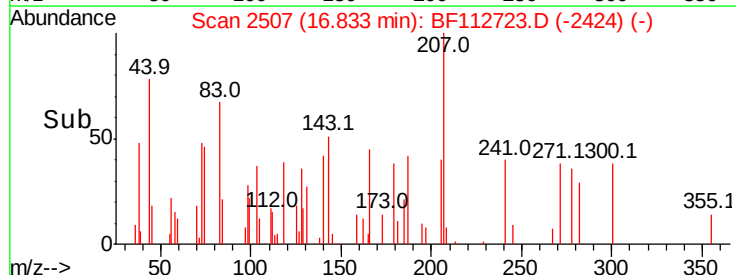
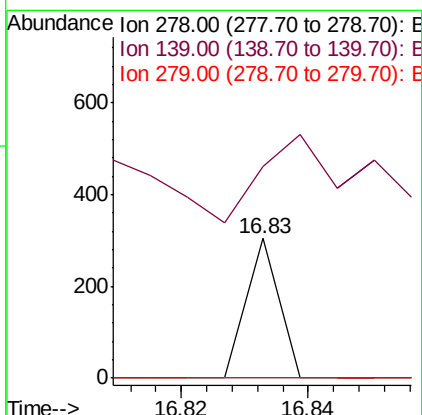
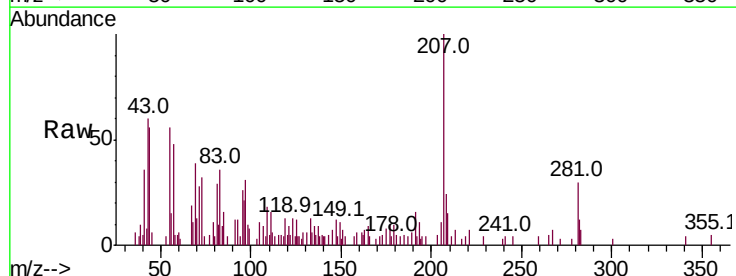
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

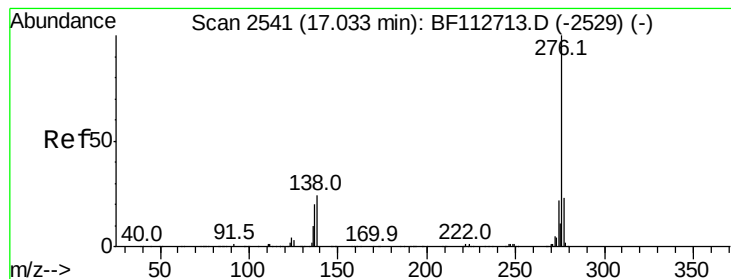
Tot Ion:252 Resp: 571
Ion Ratio Lower Upper
252 100
253 84.0 18.0 27.0#
125 203.2 10.7 16.1#



#91
Dibenzo(a,h)anthracene
Concen: 0.004 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.19 min
Lab File: BF112723.D
Acq: 27 Feb 2019 17:07

Tgt Ion:278 Resp: 107
Ion Ratio Lower Upper
278 100
139 151.6 14.3 21.5#
279 0.0 19.4 29.0#





#92

Benzo(a,h,i)perylene

Concen: 0.049 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.02 min

Lab File: BF112723.D

Acq: 27 Feb 2019 17:07

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

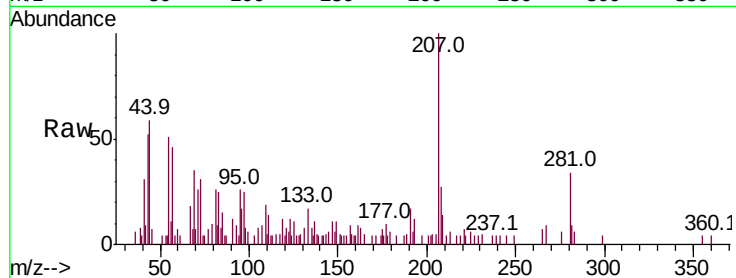
Tot Ion:276 Resp: 1176

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 81.9 19.4 29.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

