

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099057.D
 Acq On : 4 Oct 2017 3:43
 Operator : SJ/JU
 Sample : I5588-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 08:24:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121734	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	456707	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	163249	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	242359	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	250764	20.00	ng	-0.05
86) Perylene-d12	15.51	264	243512	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	714064	93.38	ng	-0.05
7) Phenol-d6	6.50	99	862448	91.42	ng	-0.05
23) Nitrobenzene-d5	7.43	82	512904	72.02	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	107083	80.16	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	794739	81.27	ng	-0.05
78) Terphenyl-d14	12.98	244	564538	51.20	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	132	0.04	ng	# 20
6) Aniline	6.51	93	549	0.04	ng	# 1
9) Benzaldehyde	6.65	77	14814	2.71	ng	82
10) Phenol	6.51	94	21204	2.01	ng	96
11) bis(2-Chloroethyl)ether	6.65	93	828	0.10	ng	# 1
15) Benzyl Alcohol	7.03	79	9162	1.32	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	7.03	45	276	0.02	ng	# 1
17) 2-Methylphenol	7.01	107	207	0.03	ng	# 39
19) n-Nitroso-di-n-propylamine	7.43	70	66719	11.08	ng	# 76
20) 3+4-Methylphenols	7.01	107	207	0.02	ng	# 15
24) Nitrobenzene	7.43	77	1313	0.16	ng	# 38
25) Isophorone	7.43	82	505817	34.35	ng	# 64
31) Naphthalene	8.17	128	1455	0.07	ng	# 89
33) 4-Chloroaniline	8.17	127	116	0.01	ng	# 11
37) 2-Methylnaphthalene	8.87	142	828	0.06	ng	85
45) 1,1'-Biphenyl	9.33	154	1555	0.11	ng	94
46) 2-Chloronaphthalene	9.62	162	1289	0.12	ng	# 1
47) 2-Nitroaniline	9.62	65	1171	0.36	ng	# 1
48) Acenaphthylene	9.77	152	6229	0.39	ng	97
49) Dimethylphthalate	9.62	163	136630	11.09	ng	99
50) 2,6-Dinitrotoluene	9.62	165	1404	0.52	ng	# 22
51) Acenaphthene	9.94	154	525	0.05	ng	# 89
54) Dibenzofuran	10.12	168	545	0.04	ng	# 90
55) 4-Nitrophenol	10.12	139	113	0.04	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	21265	6.11	ng	# 23
57) Fluorene	10.46	166	819	0.07	ng	# 80
59) Diethylphthalate	10.32	149	858	0.07	ng	# 61
62) Azobenzene	10.70	77	585	0.05	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	159	0.11	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	127	0.02	ng	# 24
66) 4-Bromophenyl-phenylether	10.70	248	7241	3.05	ng	# 1
70) Phenanthrene	11.42	178	18693	1.44	ng	96
71) Anthracene	11.47	178	5441	0.41	ng	96
72) Carbazole	11.62	167	1979	0.15	ng	96

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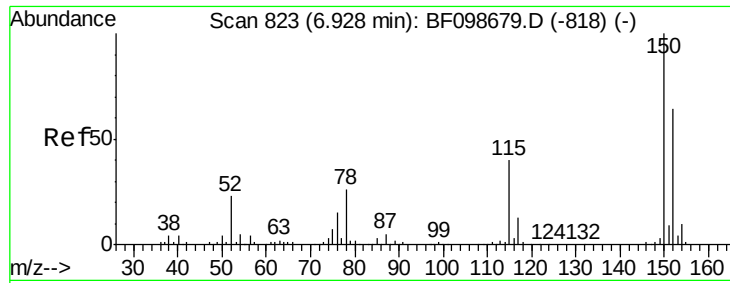
Instrument :
 BNA_F
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Di-n-butylphthalate	11.95	149	806	0.05	ng	# 78
74) Fluoranthene	12.61	202	41651	3.17	ng	97
76) Benzidine	12.97	184	7544	0.81	ng	# 95
77) Pyrene	12.84	202	42247	2.21	ng	98
79) Butylbenzylphthalate	13.45	149	218	0.02	ng	# 23
80) Benzo(a)anthracene	14.02	228	26974	1.78	ng	94
81) 3,3'-Dichlorobenzidine	14.07	252	125	0.02	ng	# 69
82) Chrysene	14.06	228	26551	1.84	ng	95
83) Bis(2-ethylhexyl)phthalate	14.00	149	4744	0.38	ng	# 98
84) Di-n-octyl phthalate	14.62	149	701	0.04	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.98	276	13271	1.15	ng	97
87) Benzo(b)fluoranthene	15.07	252	45940	3.07	ng	# 96
88) Benzo(k)fluoranthene	15.07	252	45940	3.11	ng	# 96
89) Benzo(a)pyrene	15.44	252	24916	1.81	ng	# 93
90) Dibenzo(a,h)anthracene	17.00	278	3825	0.35	ng	# 85
91) Benzo(g,h,i)perylene	17.43	276	12188	1.12	ng	# 87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.05 min

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BNA_F

ClientSampleId :

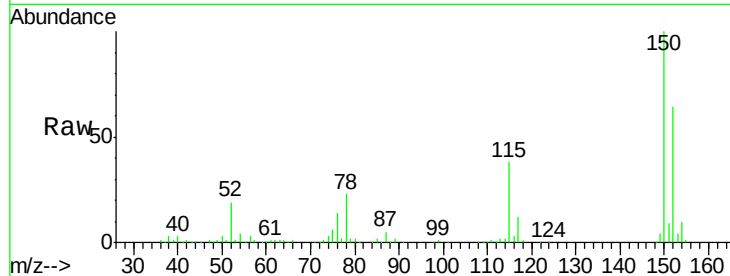
Tot Ion:152 Resp: 121734

Ion Ratio Lower Upper

152 100

150 156.9 124.6 186.8

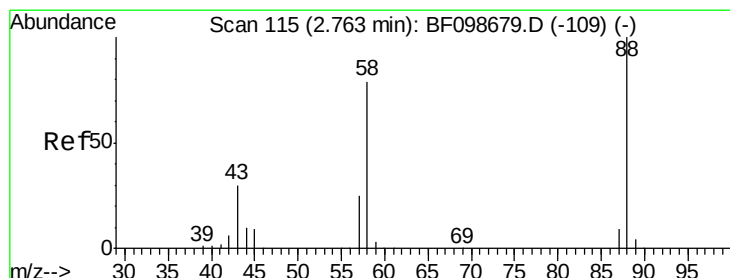
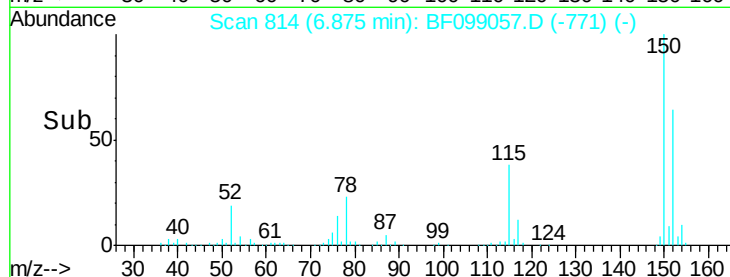
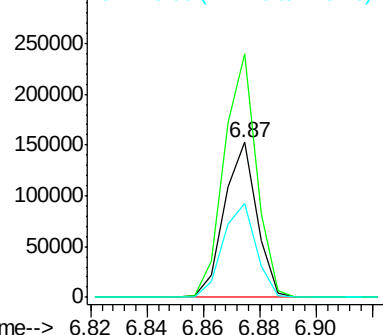
115 60.3 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 2.52 min Scan# 73

Delta R.T. -0.24 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

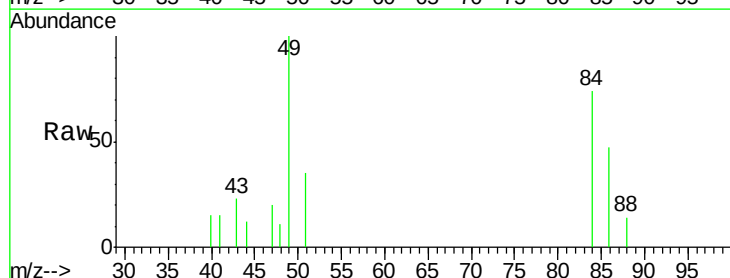
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

58 0.0 62.6 93.8#

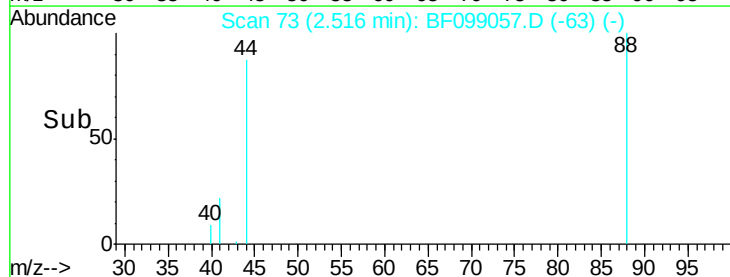
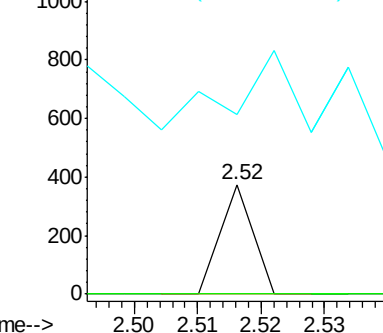
43 0.0 24.6 37.0#

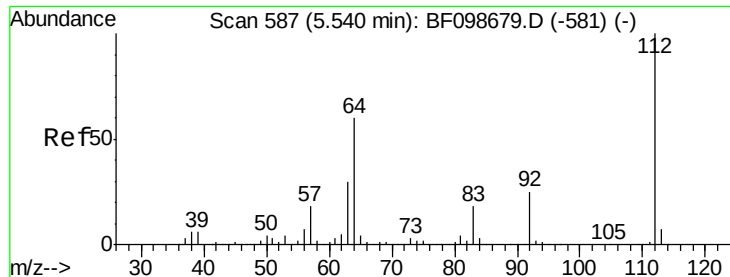


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 93.38 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.05 min

Lab File: BF099057.D

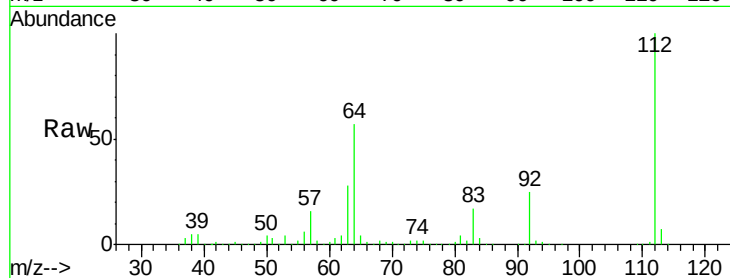
Acq: 4 Oct 2017 3:43

Instrument :

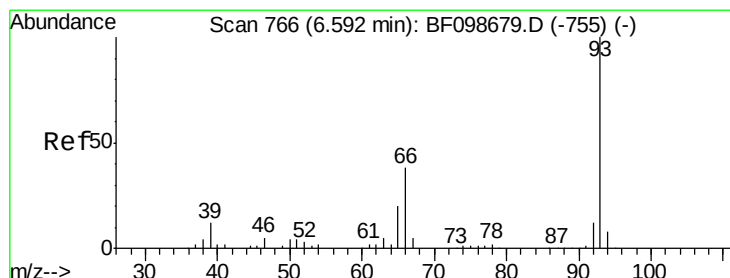
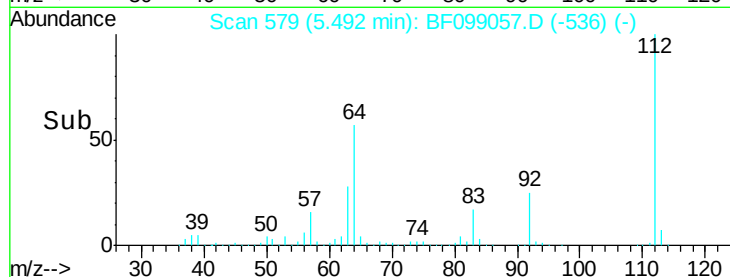
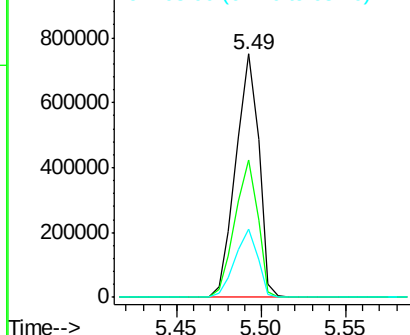
BNA_F

ClientSampleId :

Tot Ion:	112	Resp:	714064
Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 0.04 ng

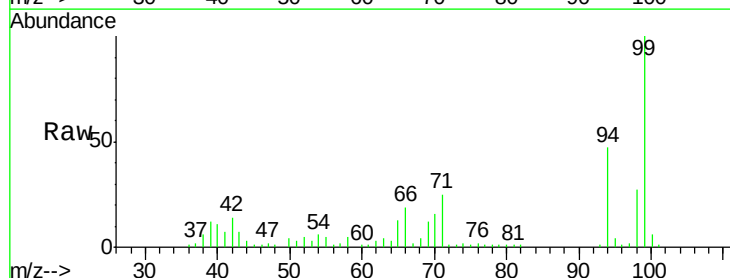
RT: 6.51 min Scan# 752

Delta R.T. -0.08 min

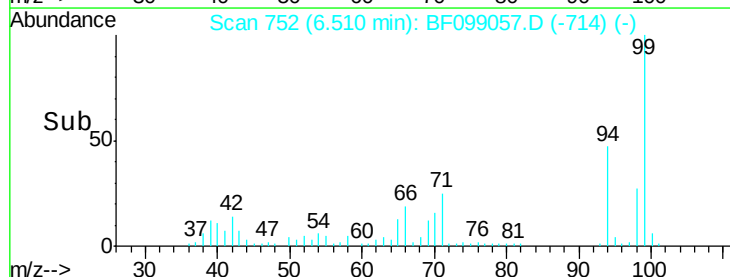
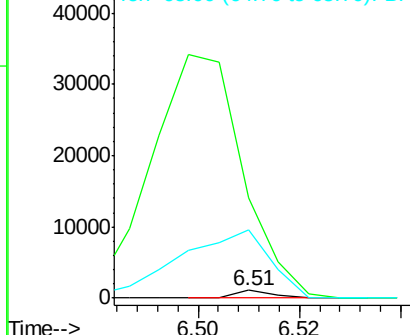
Lab File: BF099057.D

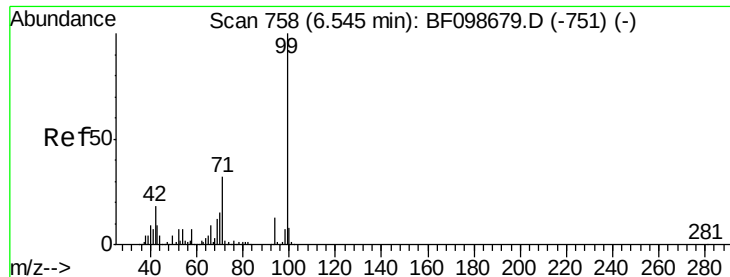
Acq: 4 Oct 2017 3:43

Tgt Ion:	93	Resp:	549
Ion	Ratio	Lower	Upper
93	100		
66	1314.3	32.2	48.2#
65	898.9	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 91.42 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

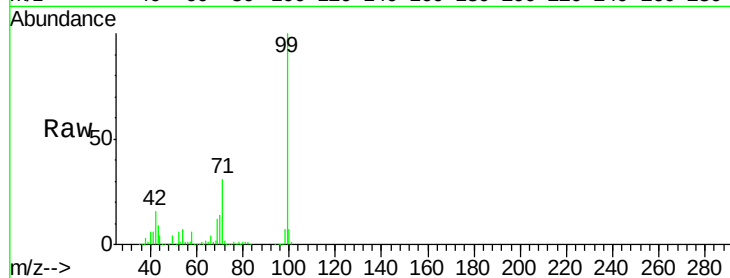
Tot Ion: 99 Resp: 862448

Ion Ratio Lower Upper

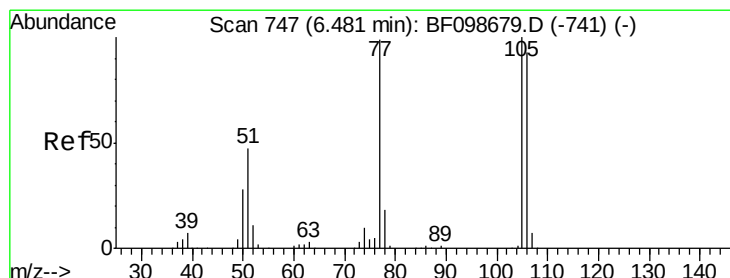
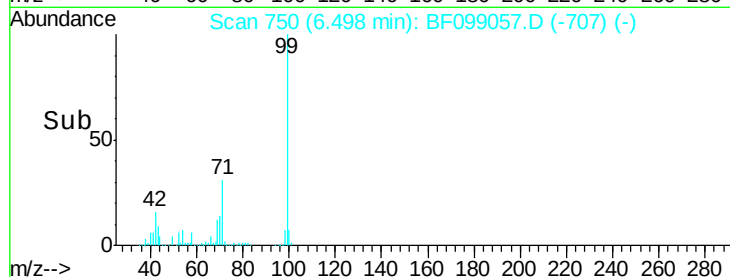
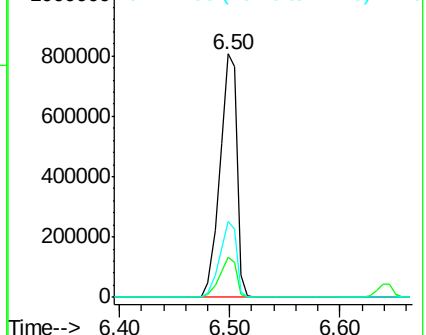
99 100

42 16.5 14.5 21.7

71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.71 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.17 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

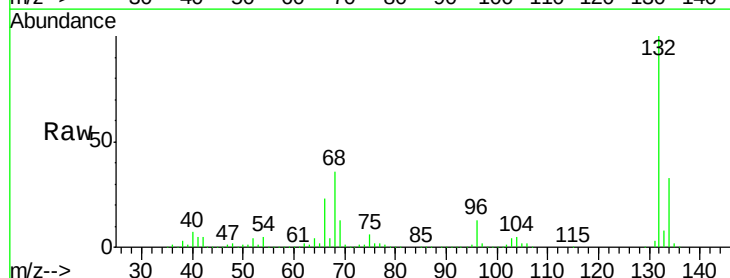
Tgt Ion: 77 Resp: 14814

Ion Ratio Lower Upper

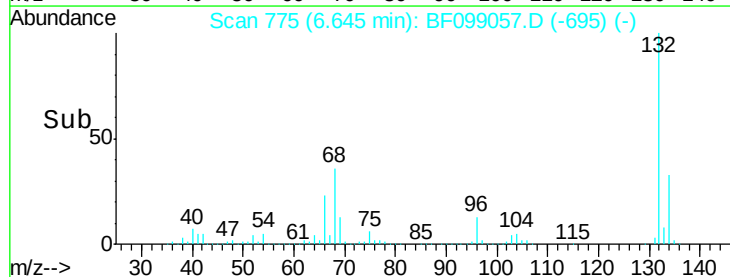
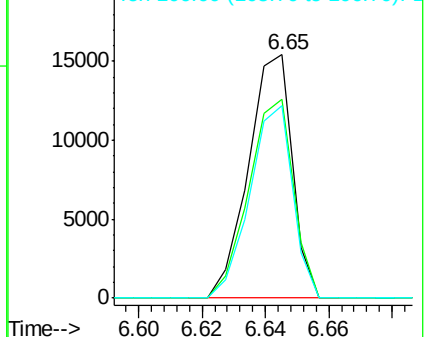
77 100

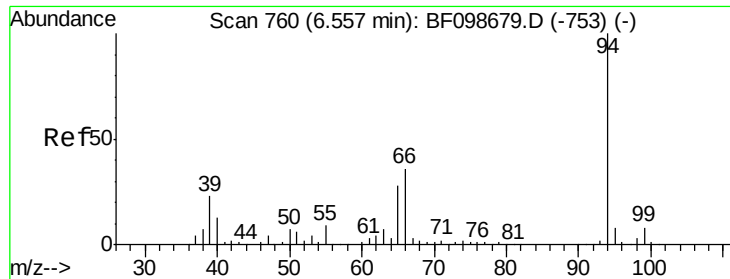
105 81.7 81.1 121.1

106 79.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

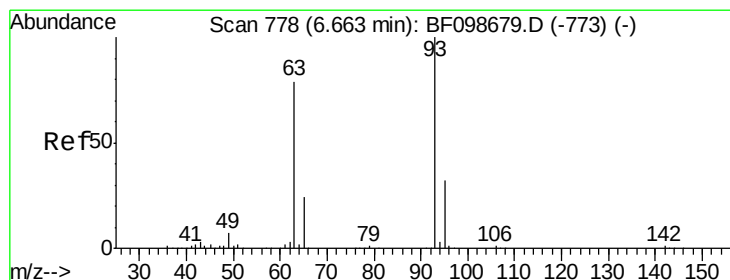
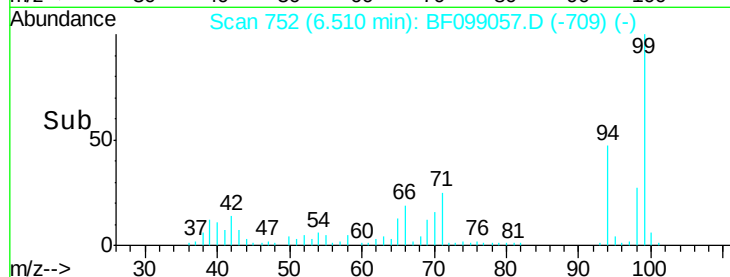
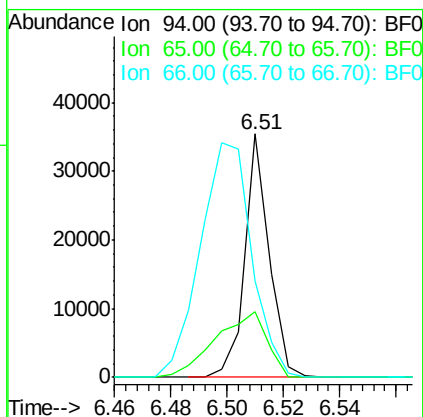
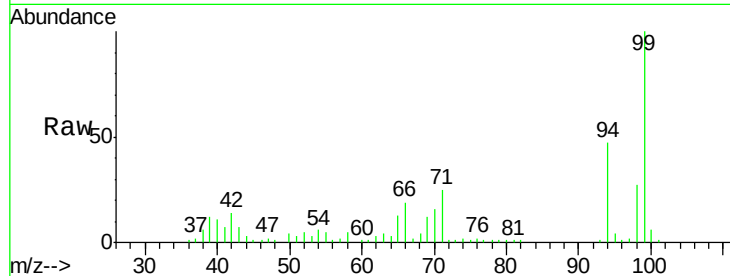




#10
Phenol
Concen: 2.01 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

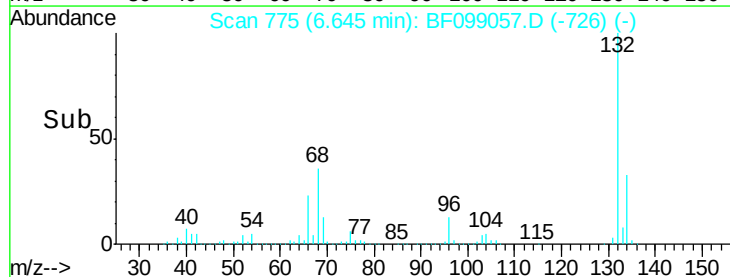
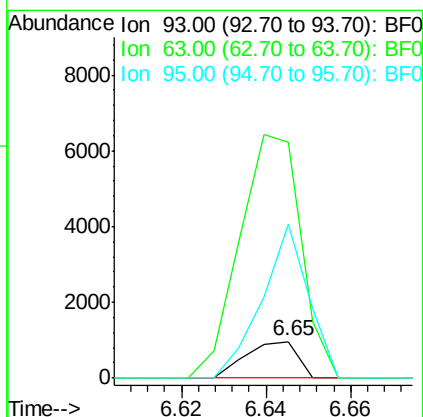
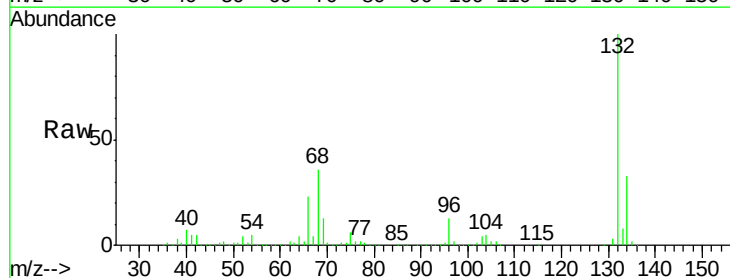
Instrument :
BNA_F
ClientSampled :

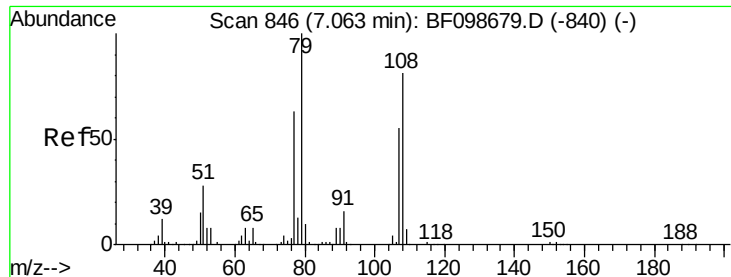
Tot Ion: 94 Resp: 21204
Ion Ratio Lower Upper
94 100
65 27.2 7.9 47.9
66 39.8 16.2 56.2



#11
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion: 93 Resp: 828
Ion Ratio Lower Upper
93 100
63 647.6 58.6 98.6#
95 421.3 11.8 51.8#





#15

Benzyl Alcohol

Concen: 1.32 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.04 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

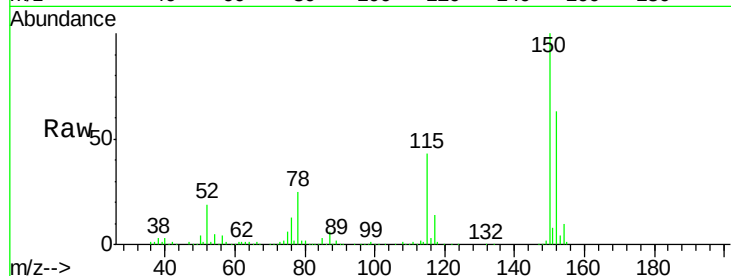
Tot Ion: 79 Resp: 9162

Ion Ratio Lower Upper

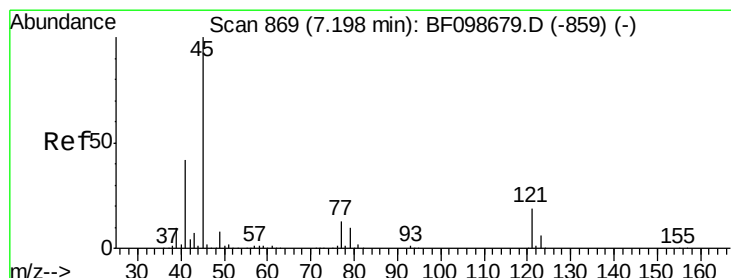
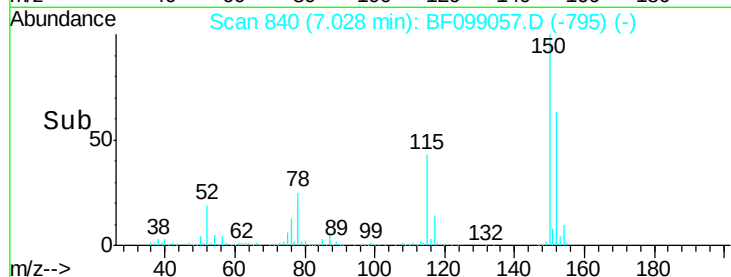
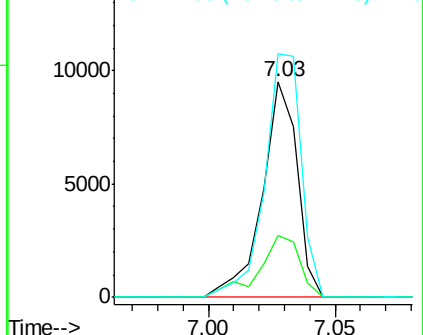
79 100

108 28.6 65.1 97.7#

77 113.0 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.02 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.16 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

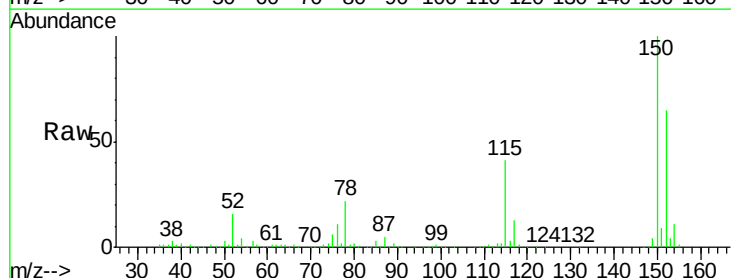
Tgt Ion: 45 Resp: 276

Ion Ratio Lower Upper

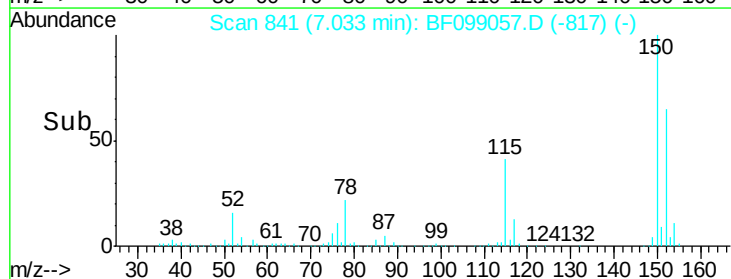
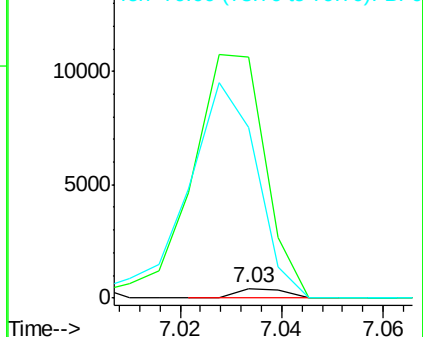
45 100

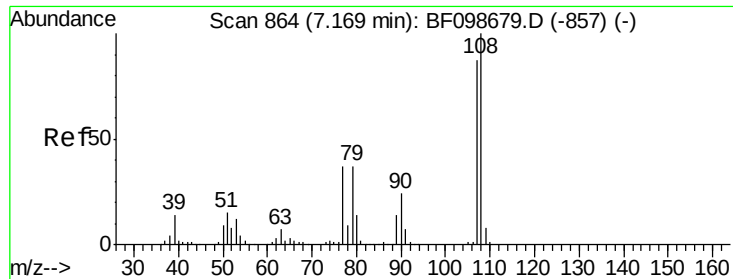
77 2524.4 0.0 32.9#

79 1779.1 0.0 29.6#



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 0.03 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.15 min

Lab File: BF099057.D

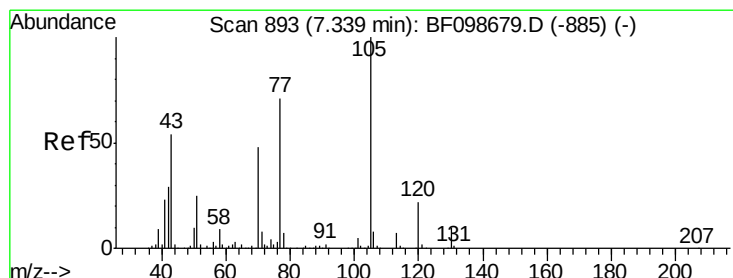
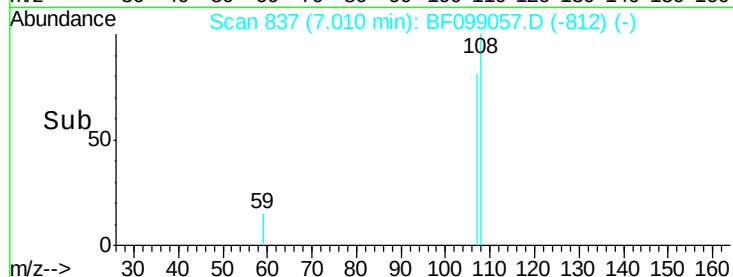
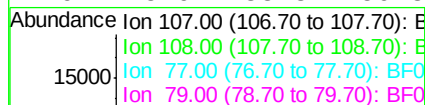
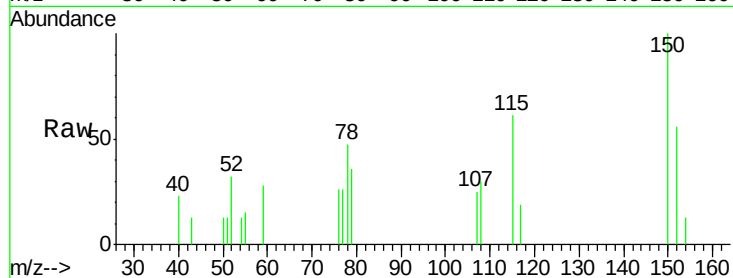
Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	207
Ion	Ratio	Lower	Upper
107	100		
108	123.4	91.7	137.5
77	107.0	33.8	50.8#
79	145.9	33.8	50.8#



#19

n-Nitroso-di-n-propylamine

Concen: 11.08 ng

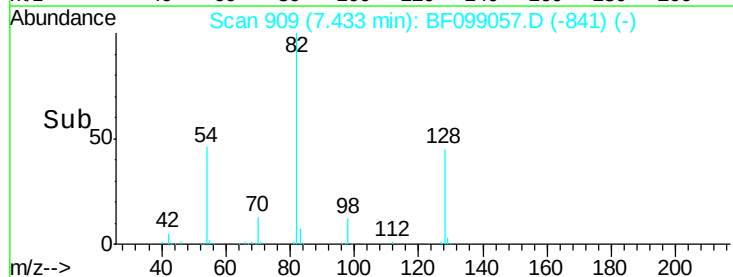
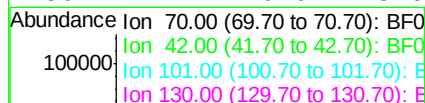
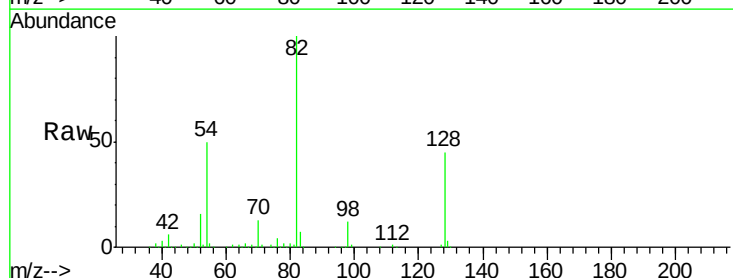
RT: 7.43 min Scan# 909

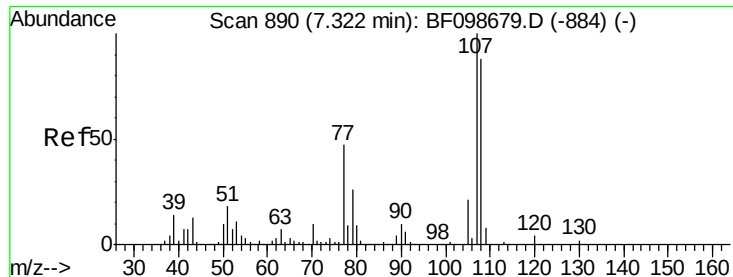
Delta R.T. 0.10 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Tgt Ion:	70	Resp:	66719
Ion	Ratio	Lower	Upper
70	100		
42	46.2	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

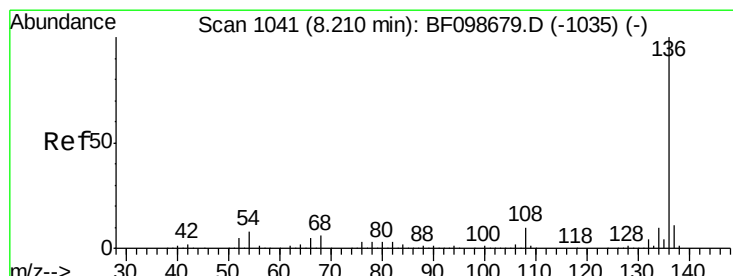
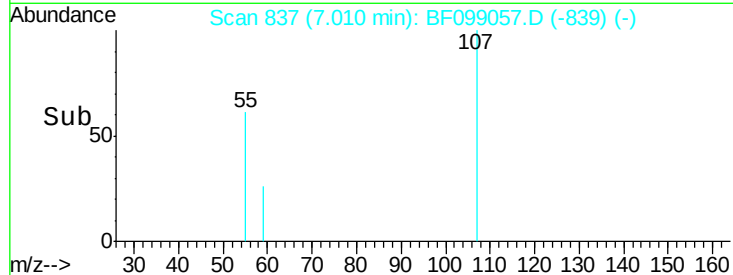
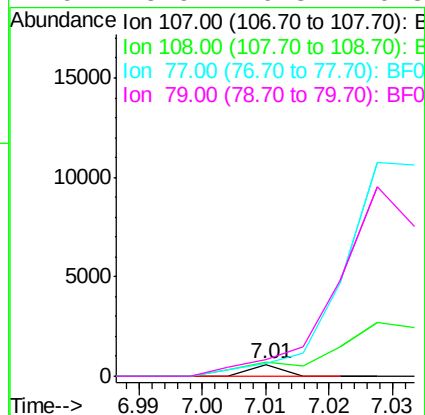
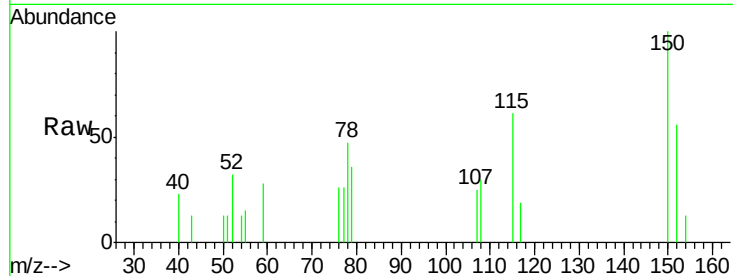




#20
3+4-Methylphenols
Concen: 0.02 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.31 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

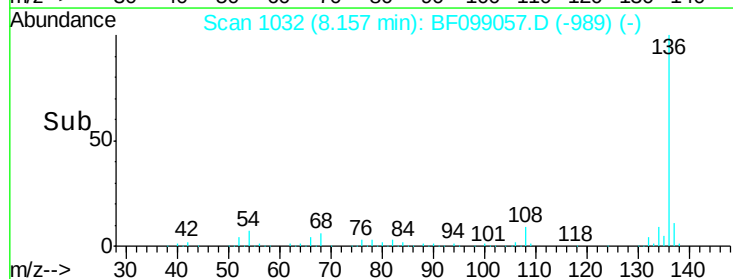
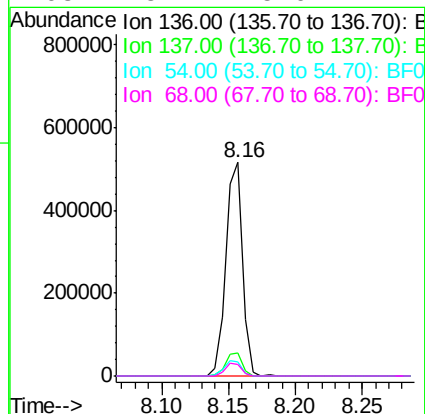
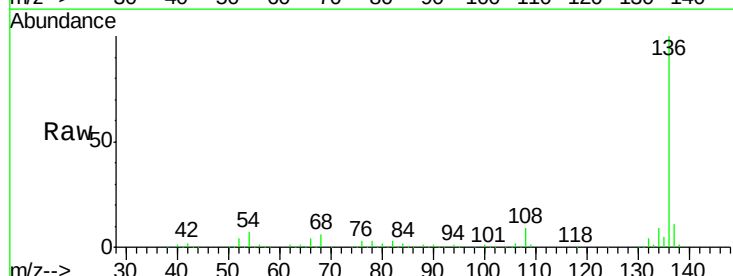
Instrument :
BNA_F
ClientSampleId :

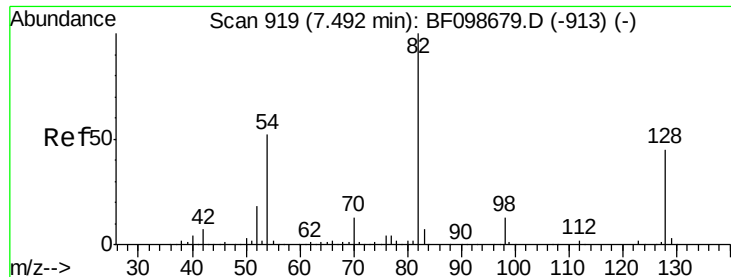
Tot Ion:	107	Resp:	207
Ion	Ratio	Lower	Upper
107	100		
108	123.4	68.2	108.2#
77	107.0	26.7	66.7#
79	145.9	6.3	46.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:	136	Resp:	456707
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.7	5.0	7.4

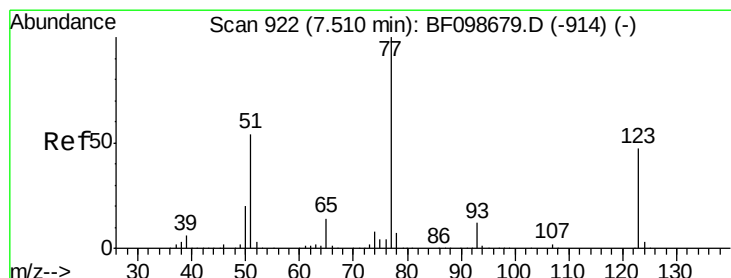
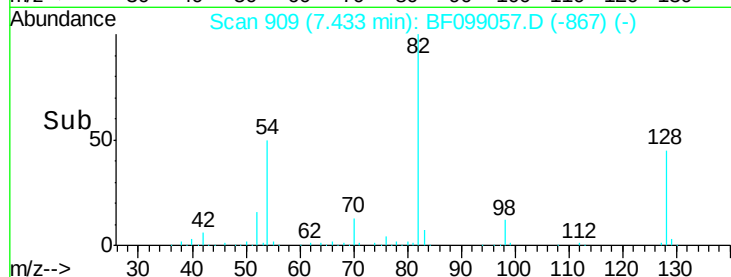
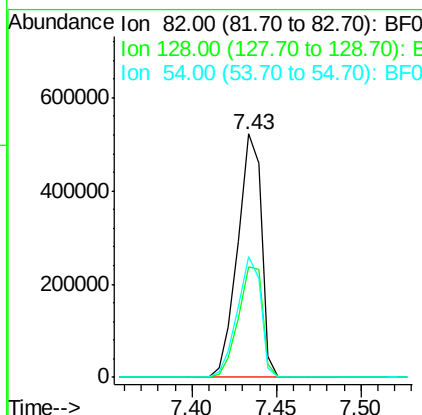
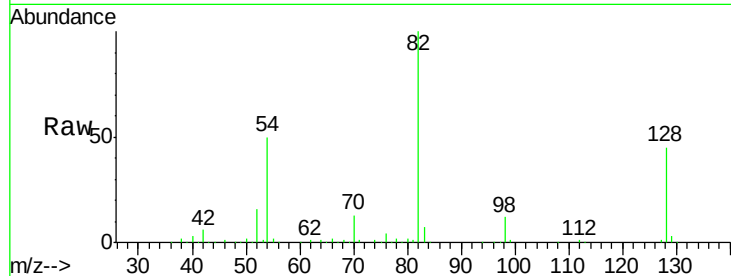




#23
 Nitrobenzene-d5
 Concen: 72.02 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.05 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

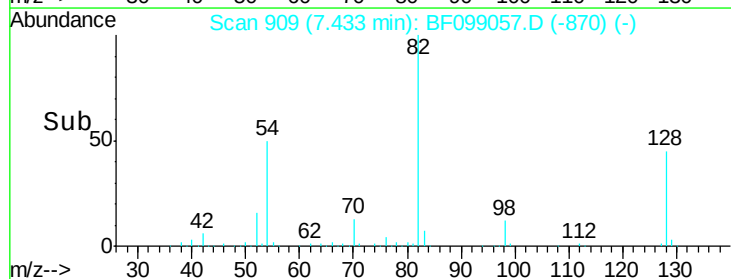
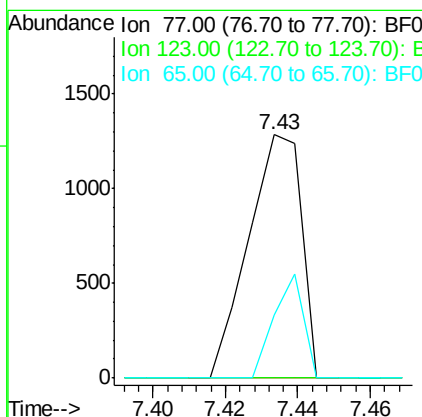
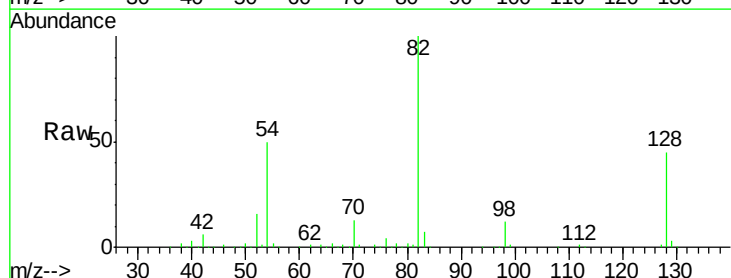
Instrument :
 BNA_F
 ClientSampleId :

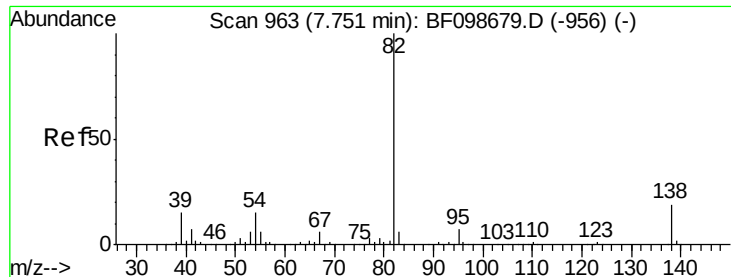
Tot Ion: 82 Resp: 512904
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.1 54.1
 54 49.8 41.4 62.2



#24
 Nitrobenzene
 Concen: 0.16 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.07 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion: 77 Resp: 1313
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 26.1 11.0 16.4#





#25

Isophorone

Concen: 34.35 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.31 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampleId :

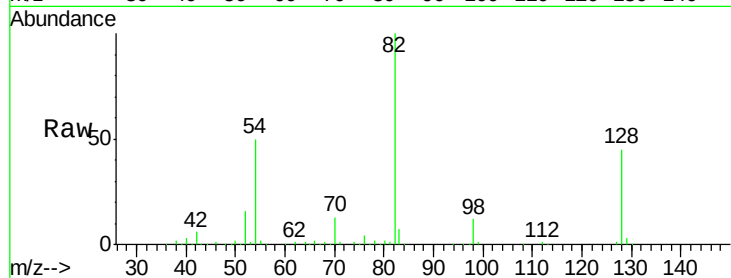
Tot Ion: 82 Resp: 505817

Ion Ratio Lower Upper

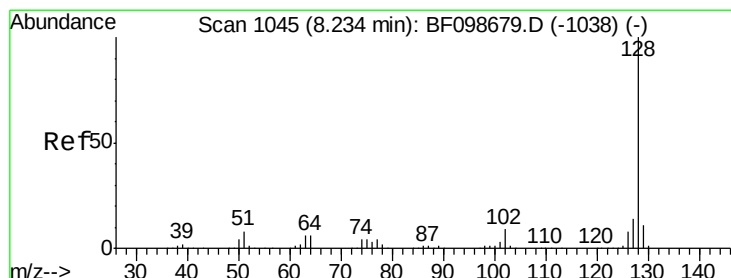
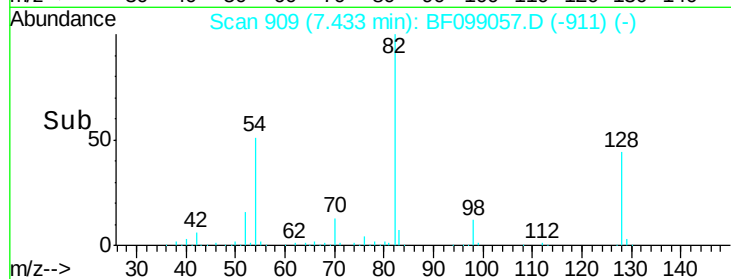
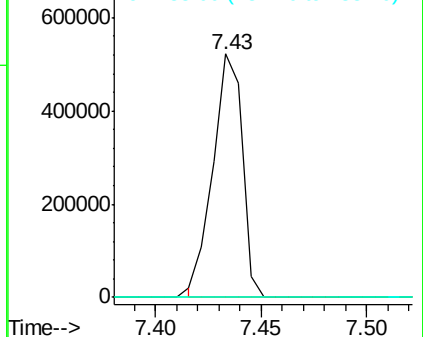
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 0.07 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

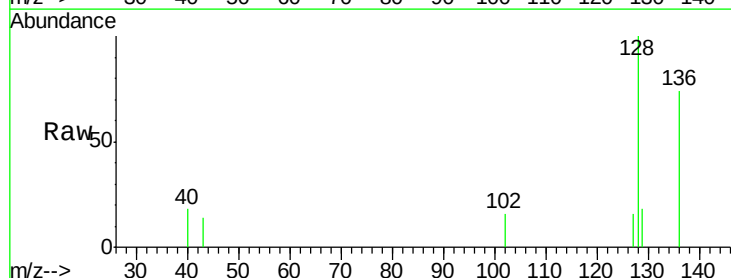
Tgt Ion: 128 Resp: 1455

Ion Ratio Lower Upper

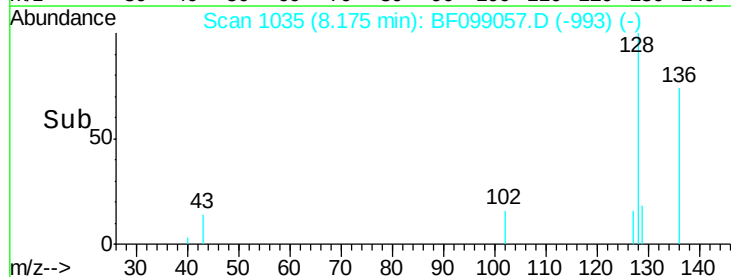
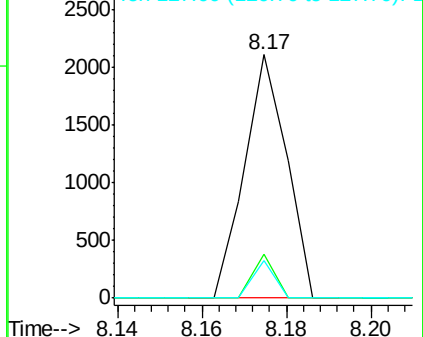
128 100

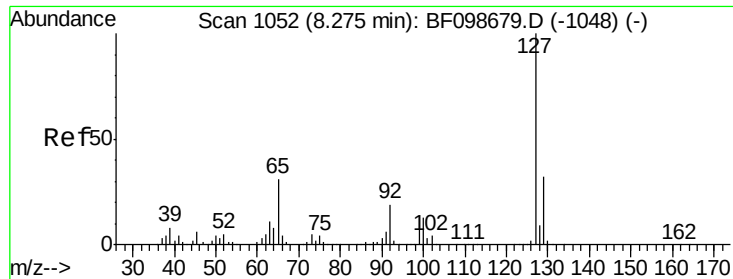
129 18.0 8.8 13.2#

127 15.7 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

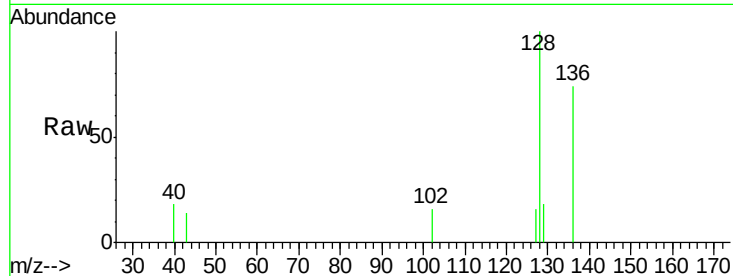




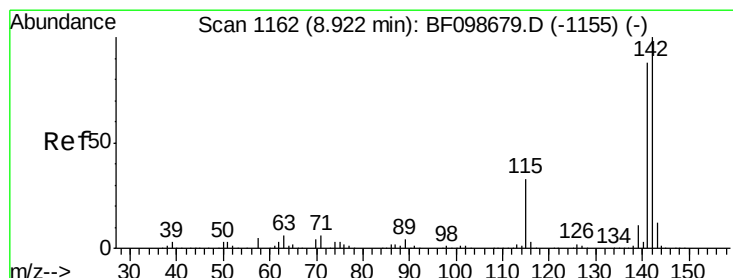
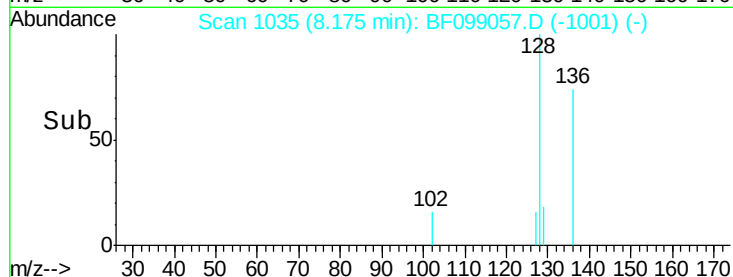
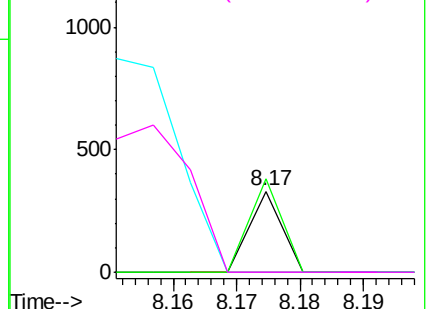
#33
4-Chloroaniline
Concen: 0.01 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.10 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	116
Ion	Ratio	Lower	Upper
127	100		
129	115.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

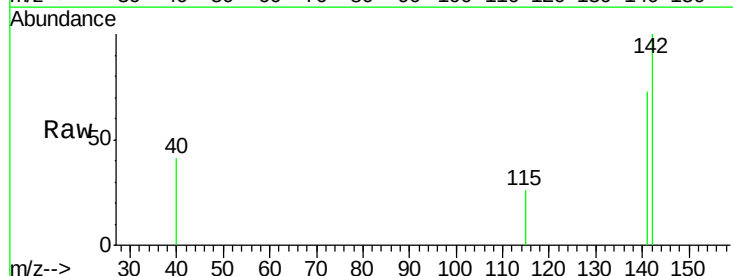


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

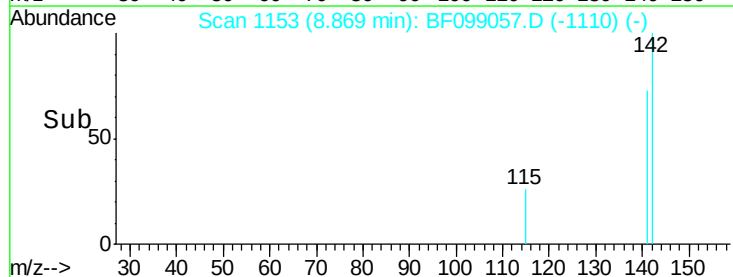
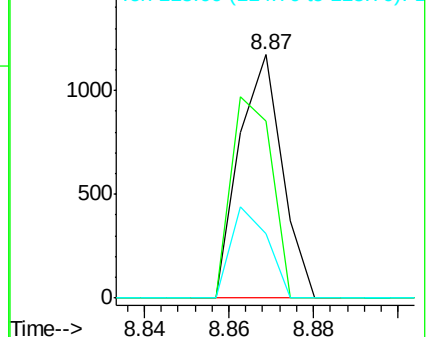


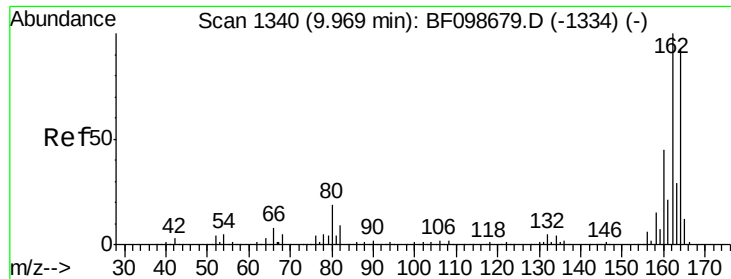
#37
2-Methylnaphthalene
Concen: 0.06 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:	142	Resp:	828
Ion	Ratio	Lower	Upper
142	100		
141	72.8	70.8	106.2
115	26.4	26.1	39.1



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

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

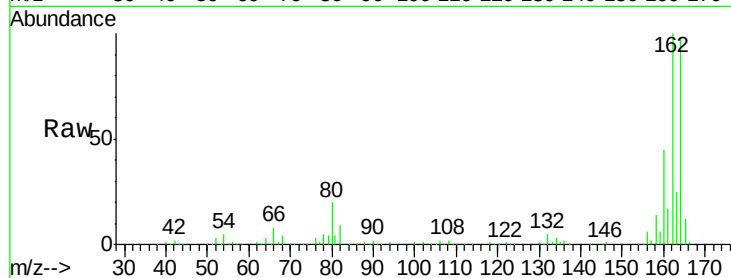
Tot Ion:164 Resp: 163249

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

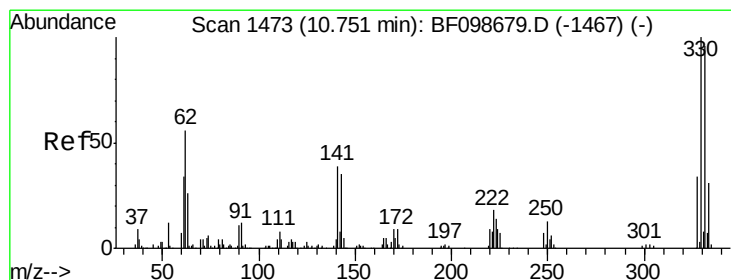
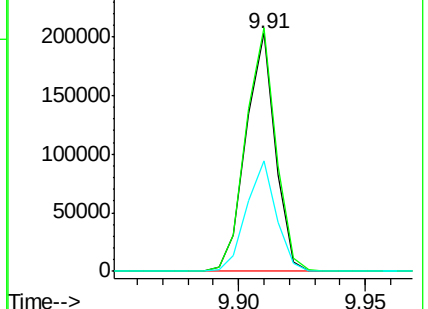
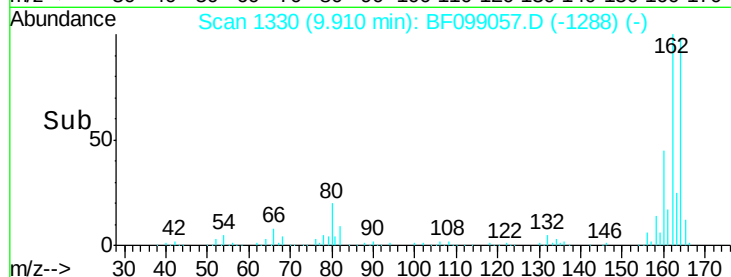
160 46.2 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 80.16 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

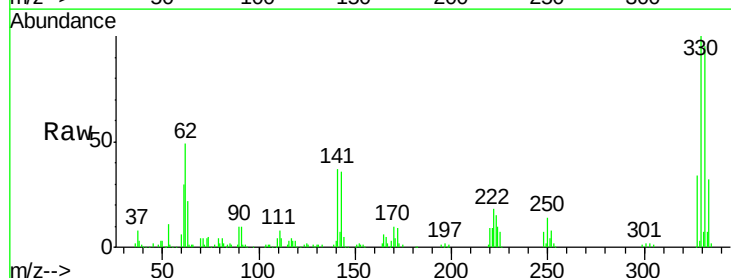
Tgt Ion:330 Resp: 107083

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

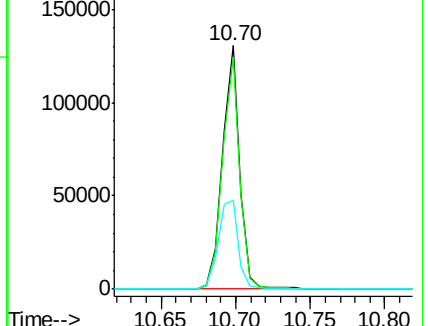
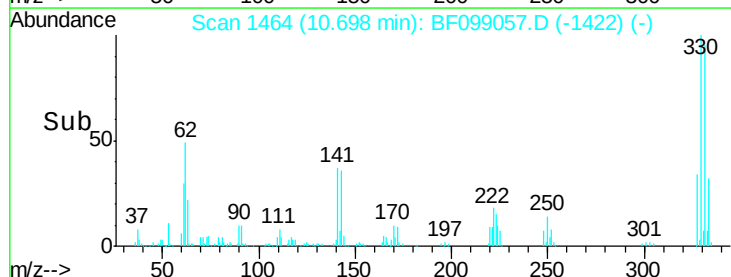
141 42.2 29.9 44.9

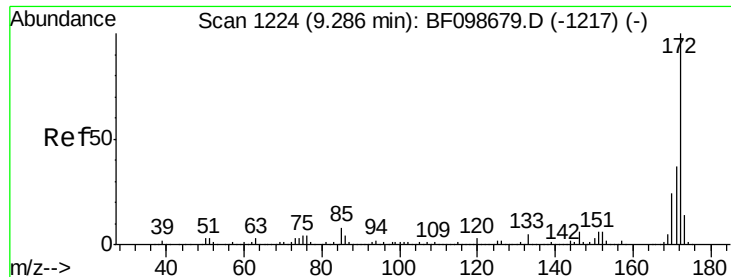


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

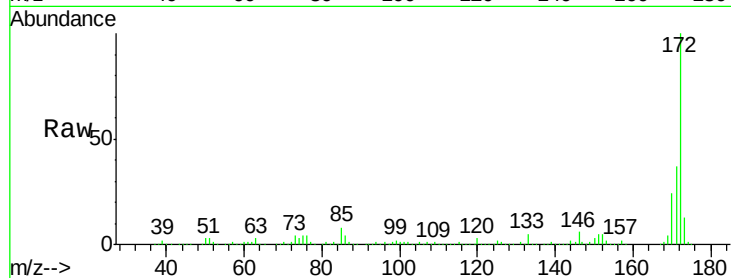




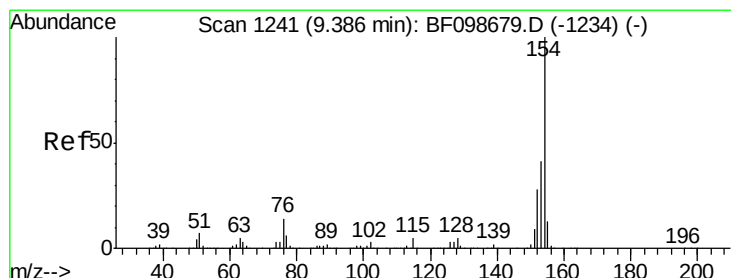
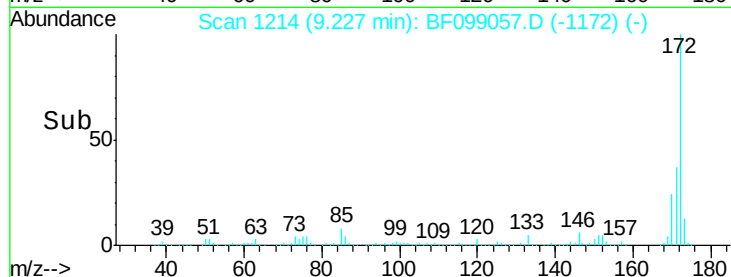
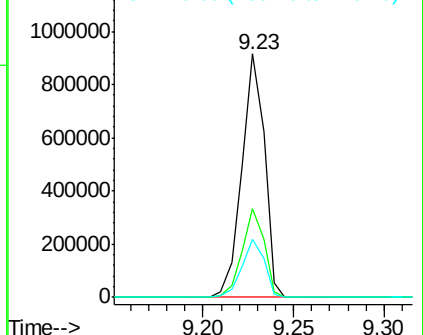
#44
2-Fluorobiphenyl
Concen: 81.27 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.8	19.6	29.4

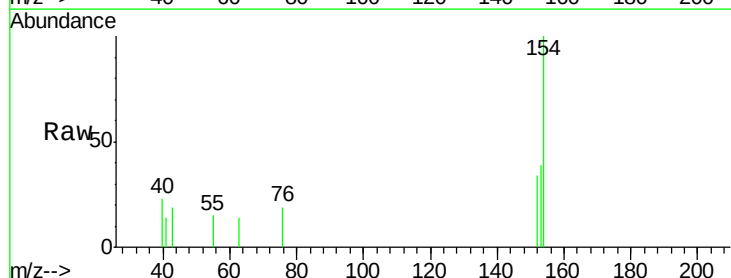


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

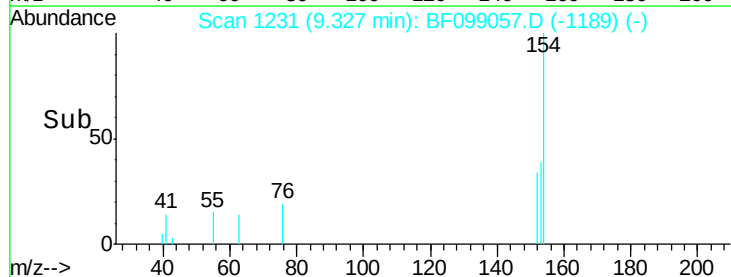
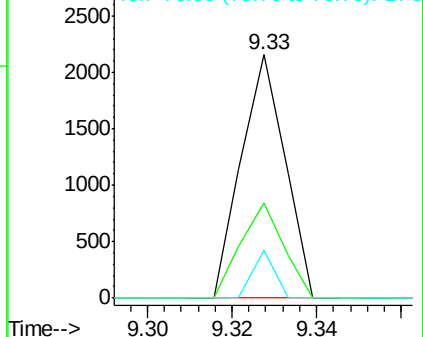


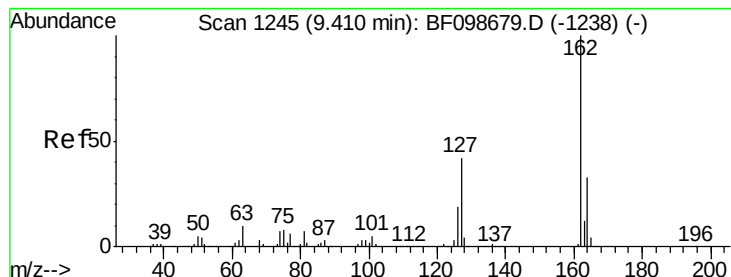
#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	19.4	0.0	34.0



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): BF0





#46

2-Chloronaphthalene

Concen: 0.12 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.21 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampleId :

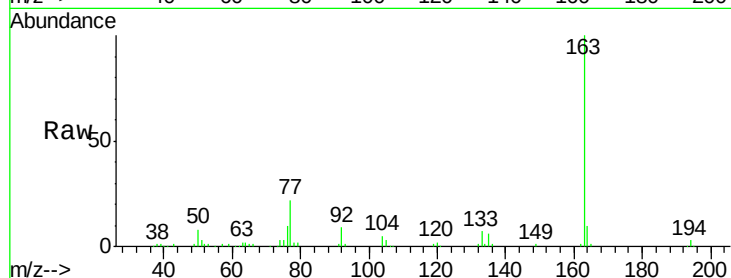
Tot Ion:162 Resp: 1289

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

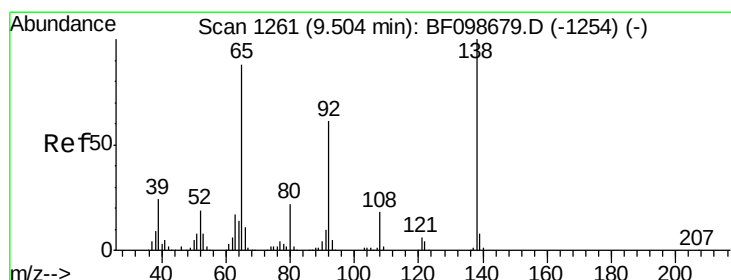
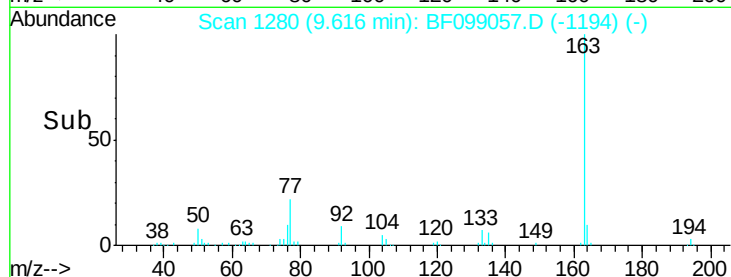
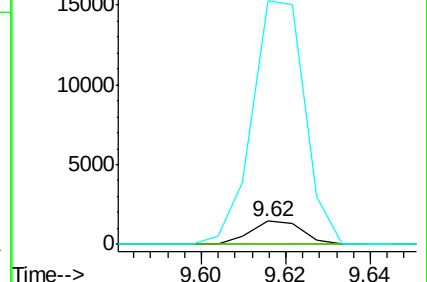
164 1043.6 26.5 39.7#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 0.36 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.12 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

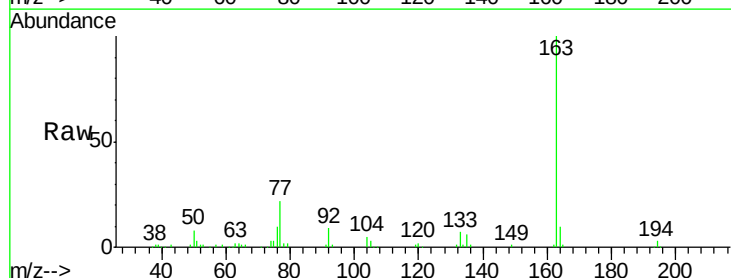
Tgt Ion: 65 Resp: 1171

Ion Ratio Lower Upper

65 100

92 894.5 55.8 83.6#

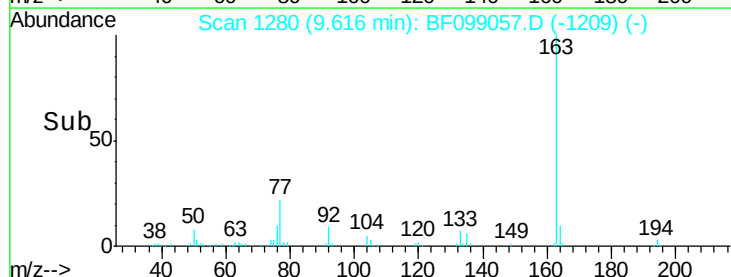
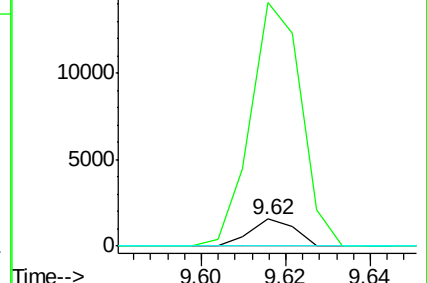
138 0.0 91.2 136.8#

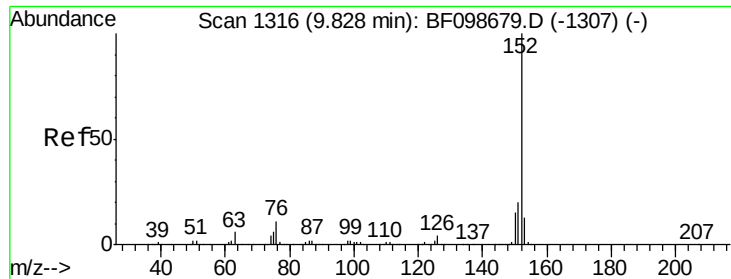


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.39 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.06 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

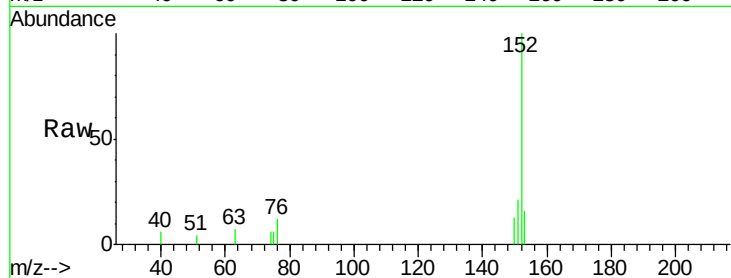
Tot Ion:152 Resp: 6229

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

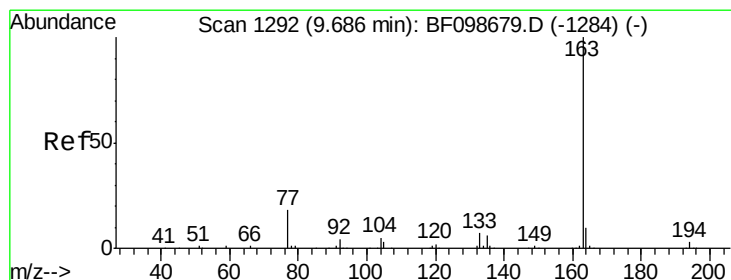
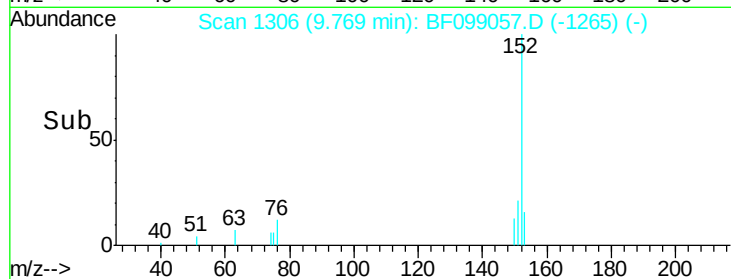
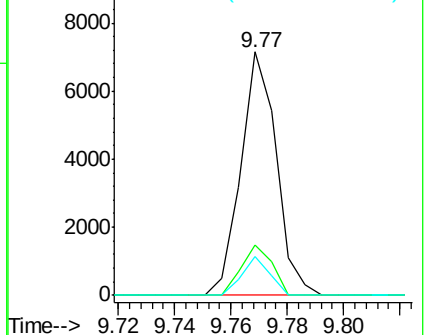
153 15.8 10.7 16.1



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



#49

Dimethylphthalate

Concen: 11.09 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.06 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

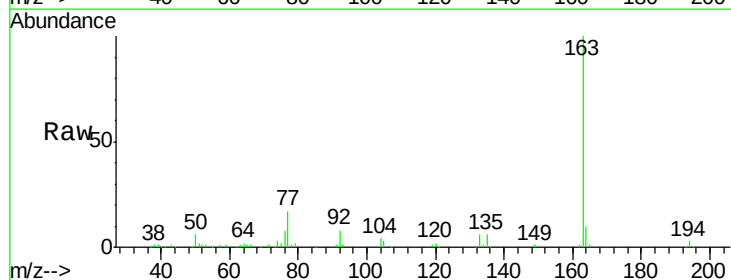
Tgt Ion:163 Resp: 136630

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

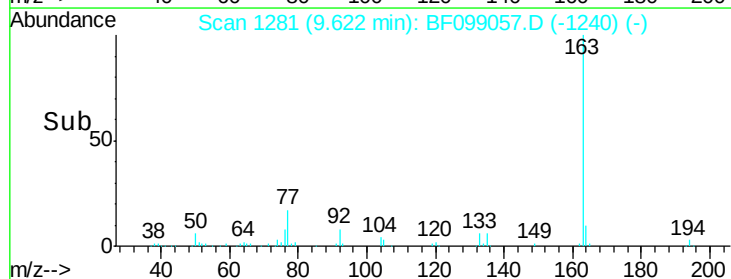
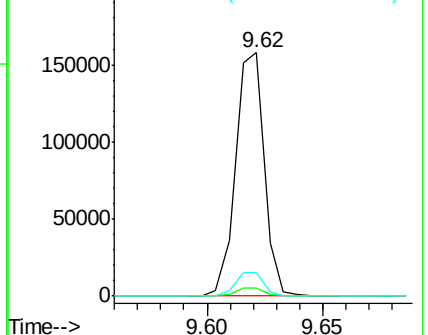
164 9.5 8.2 12.2

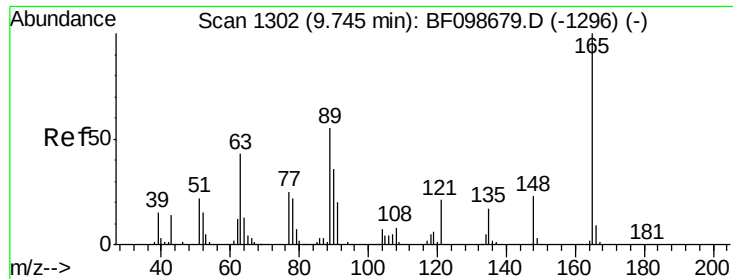


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

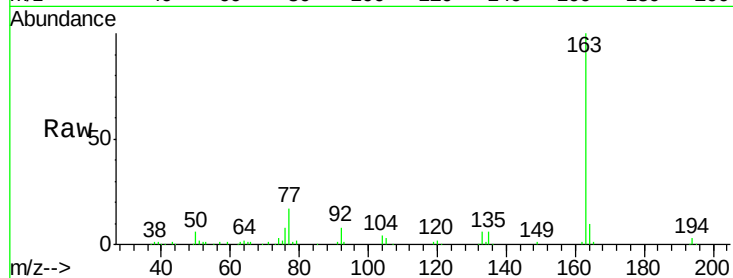




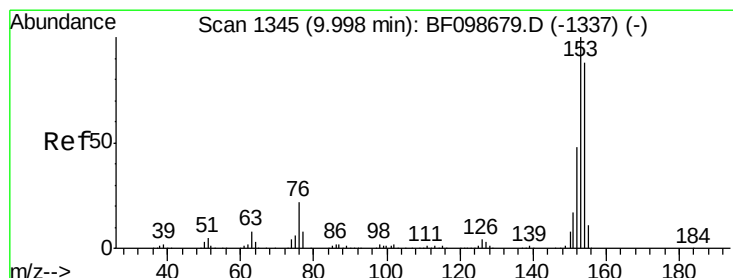
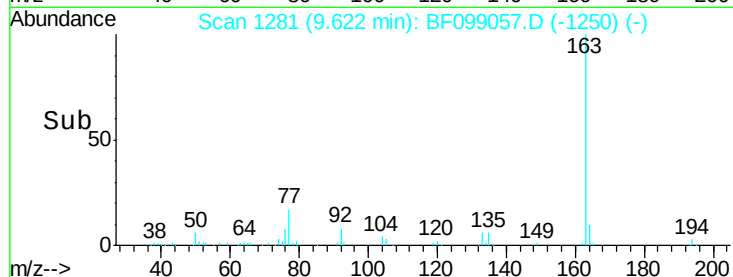
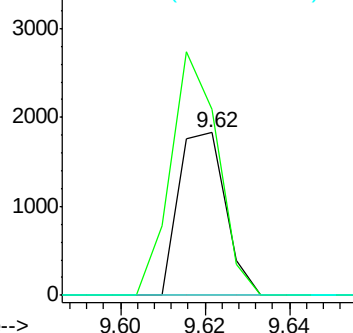
#50
 2,6-Dinitrotoluene
 Concen: 0.52 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.12 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1404
 Ion Ratio Lower Upper
 165 100
 63 114.5 44.7 67.1#
 89 0.0 44.0 66.0#

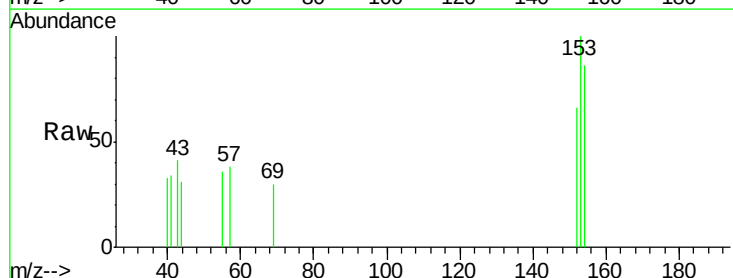


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

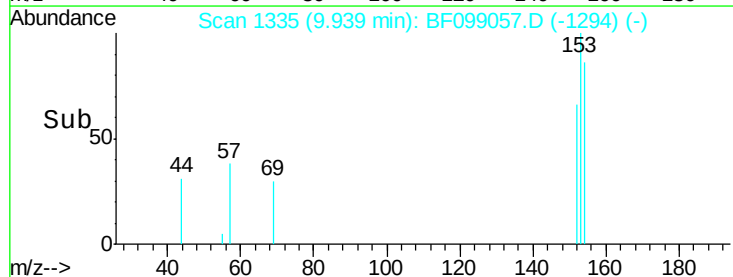
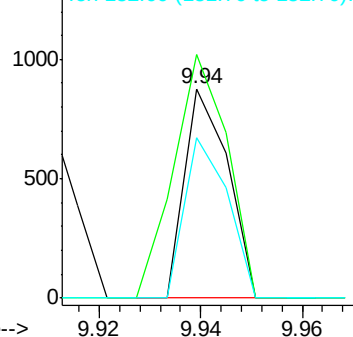


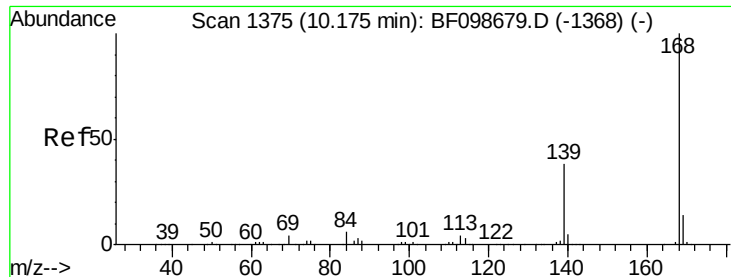
#51
 Acenaphthene
 Concen: 0.05 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.06 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion:154 Resp: 525
 Ion Ratio Lower Upper
 154 100
 153 116.2 91.2 136.8
 152 76.3 43.8 65.8#



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





#54

Dibenzofuran

Concen: 0.04 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

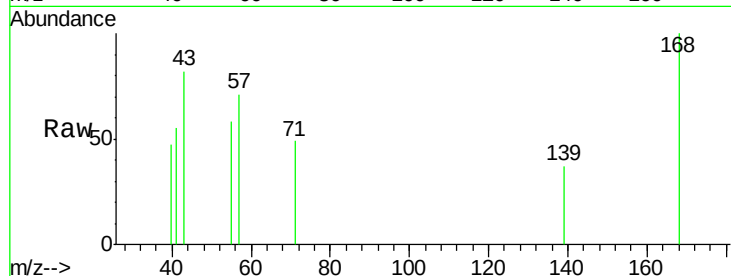
Tot Ion:168 Resp: 545

Ion Ratio Lower Upper

168 100

139 36.7 30.1 45.1

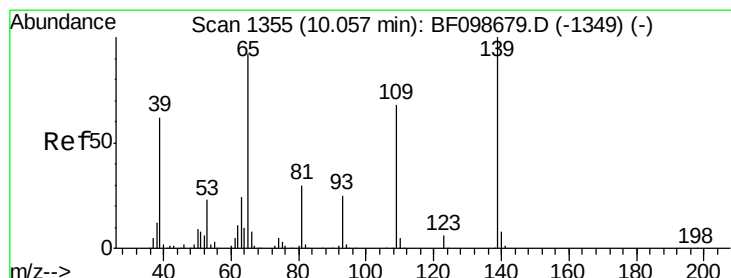
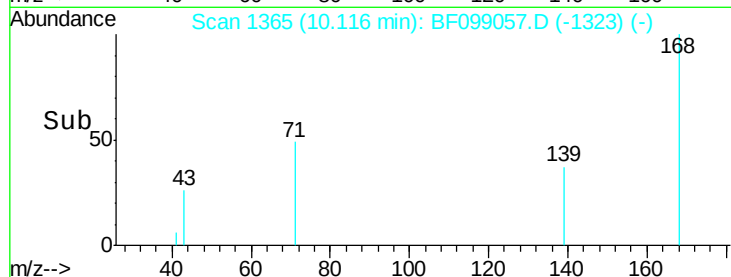
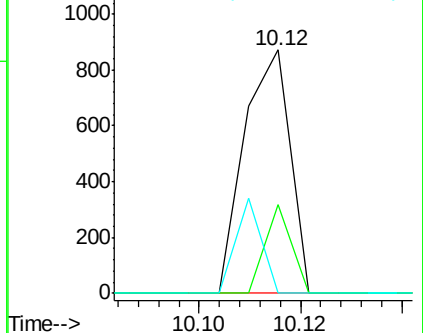
169 0.0 10.9 16.3#



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



#55

4-Nitrophenol

Concen: 0.04 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.06 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

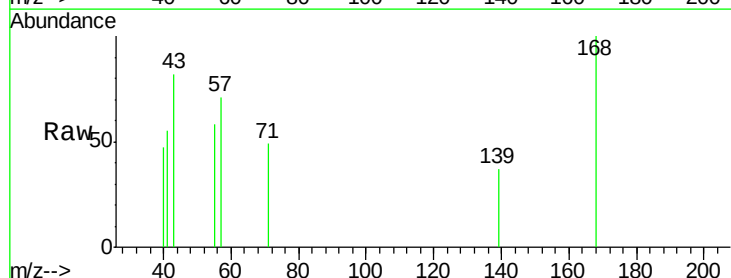
Tgt Ion:139 Resp: 113

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

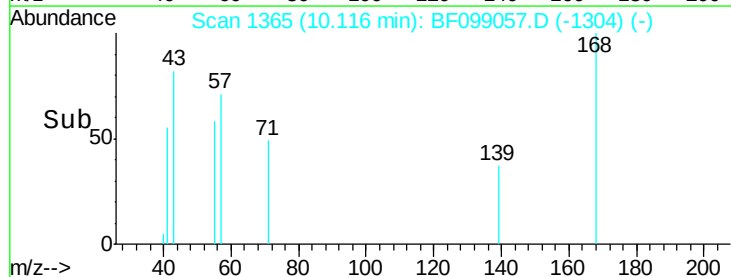
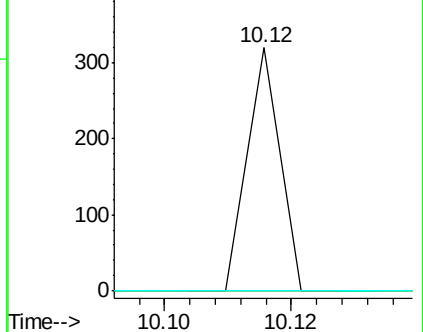
65 0.0 72.6 112.6#

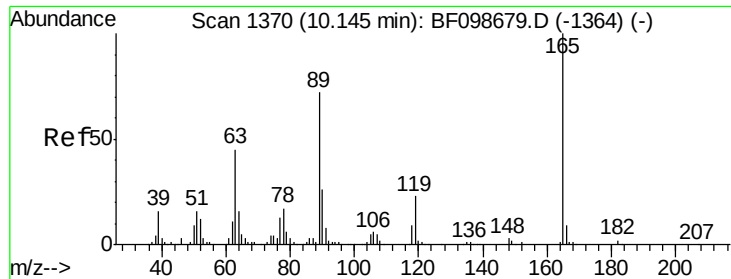


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

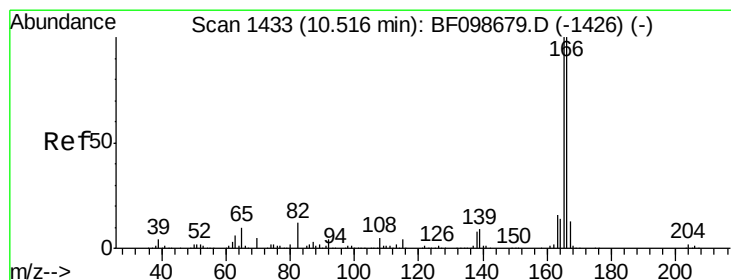
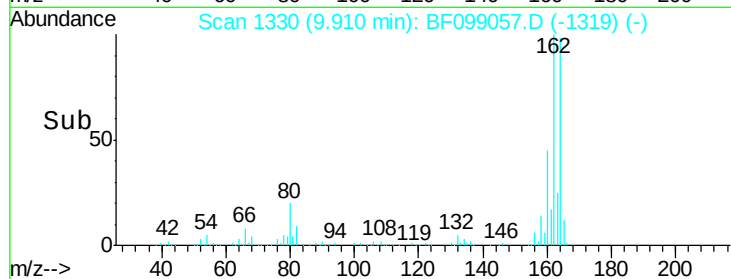
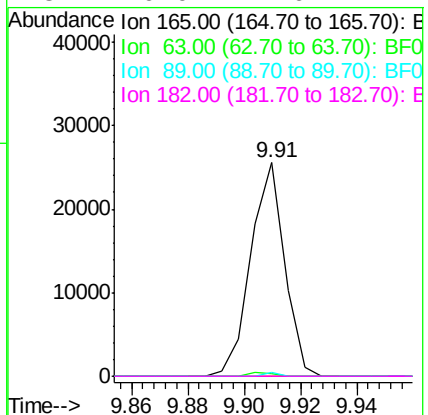
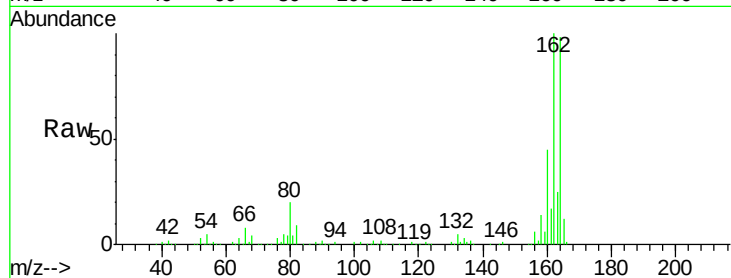




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.24 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

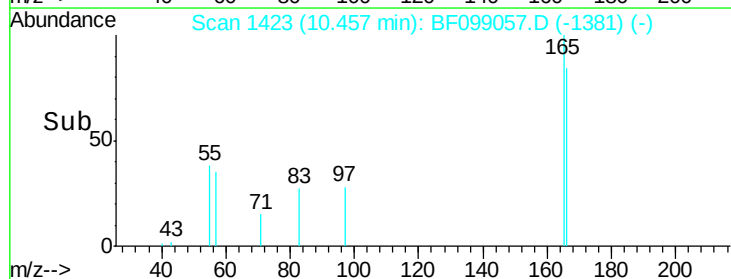
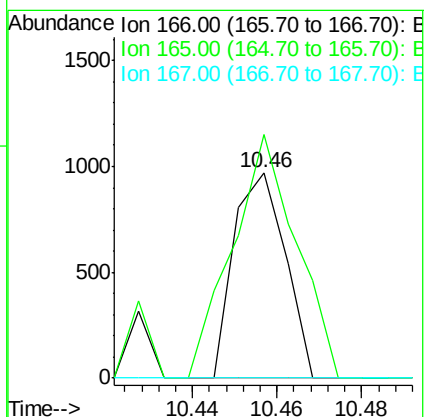
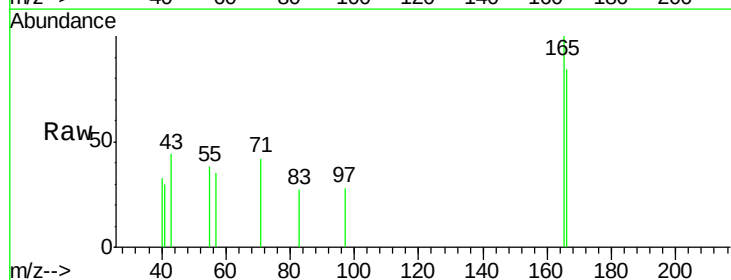
Instrument :
 BNA_F
 ClientSampleId :

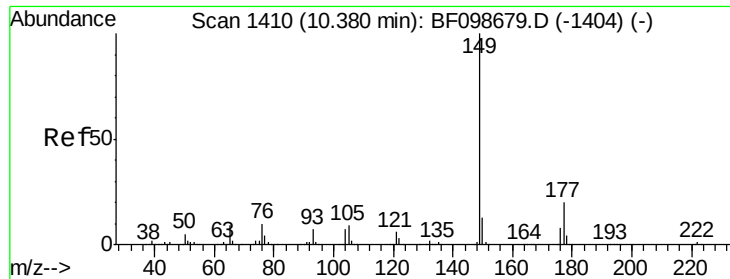
Tot Ion:165	Resp:	21265
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#



#57
 Fluorene
 Concen: 0.07 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.05 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion:166	Resp:	819
Ion Ratio	Lower	Upper
166	100	
165	118.4	79.8 119.8
167	0.0	10.6 16.0#

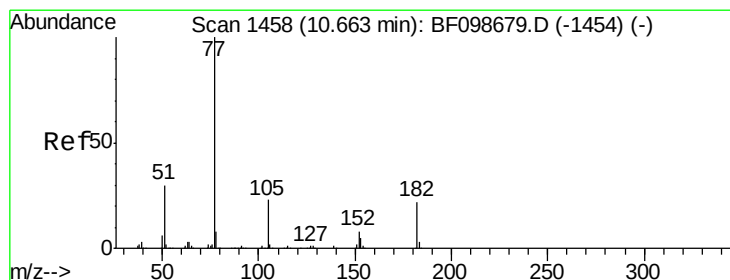
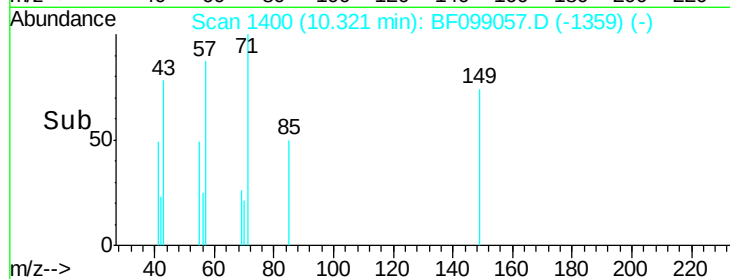
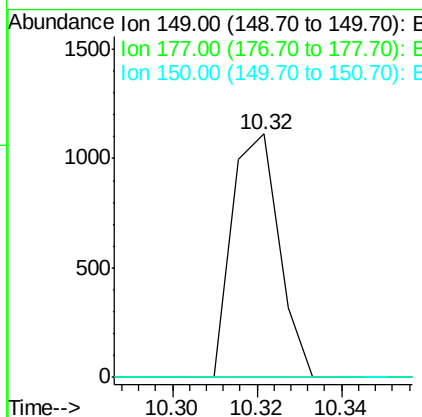
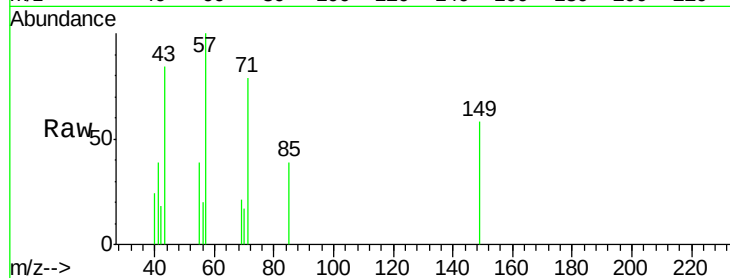




#59
Diethylphthalate
Concen: 0.07 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.06 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

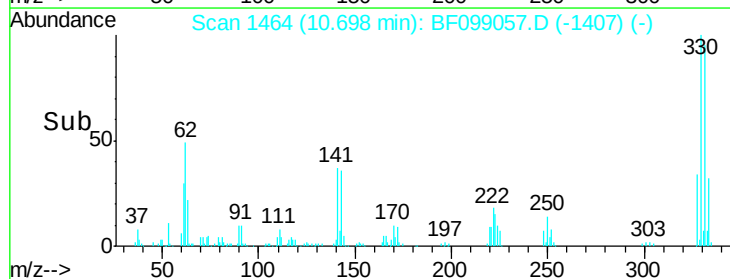
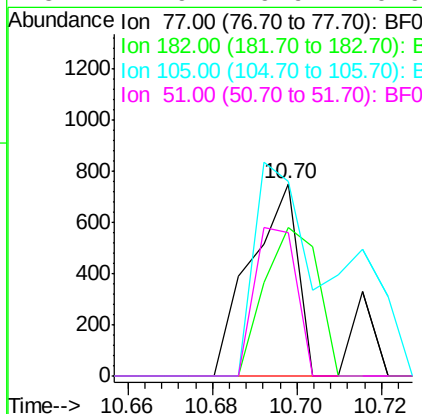
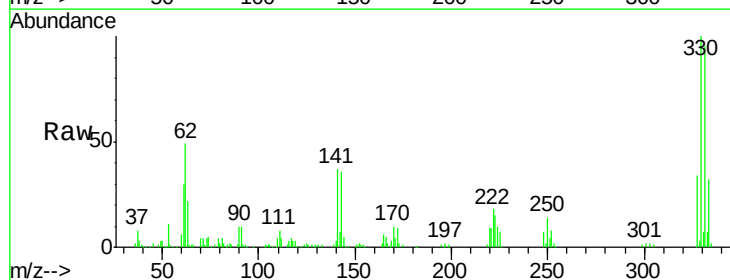
Instrument :
BNA_F
ClientSampled :

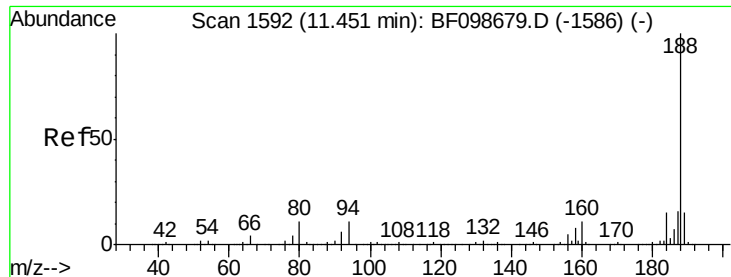
Tot Ion: 149 Resp: 858
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.05 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.04 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion: 77 Resp: 585
Ion Ratio Lower Upper
77 100
182 77.1 1.7 41.7#
105 101.5 3.0 43.0#
51 74.9 9.9 49.9#

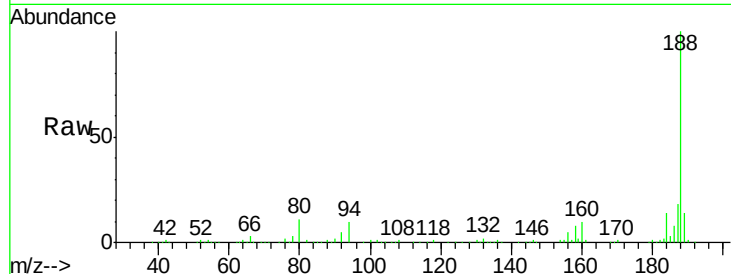




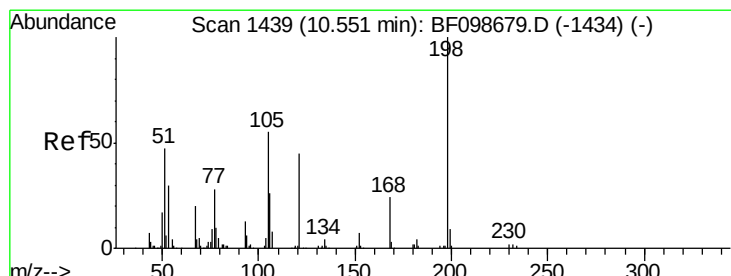
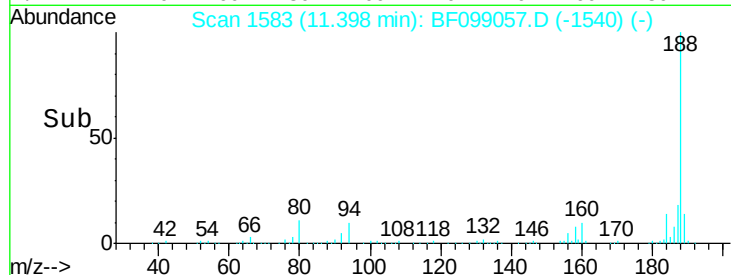
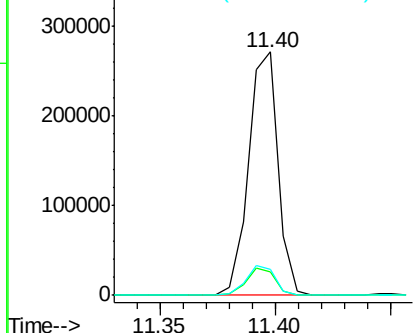
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.6	9.2	13.8

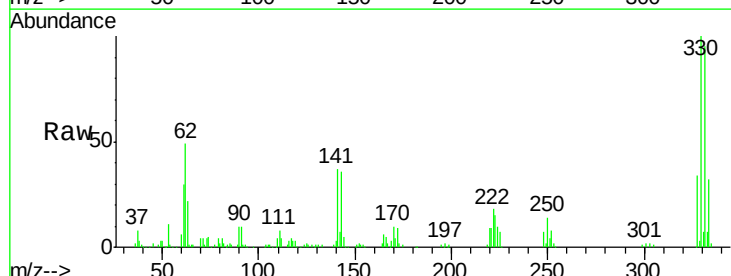


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

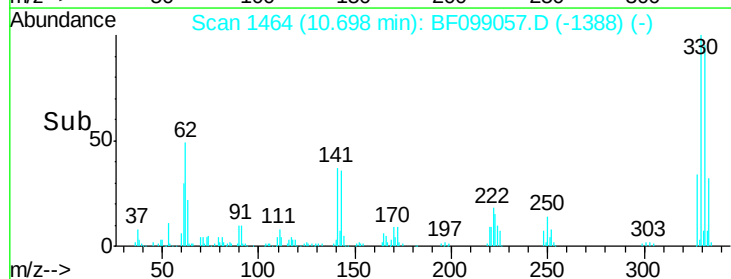
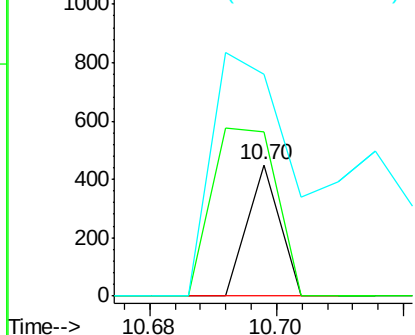


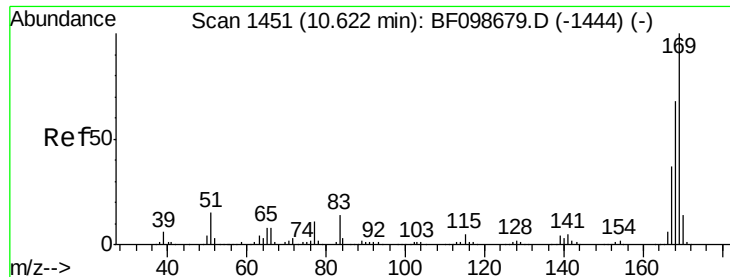
#64
4,6-Dinitro-2-methylphenol
Concen: 0.11 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.15 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion	Ratio	Lower	Upper
198	100		
51	124.6	37.7	77.7#
105	168.7	36.3	76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

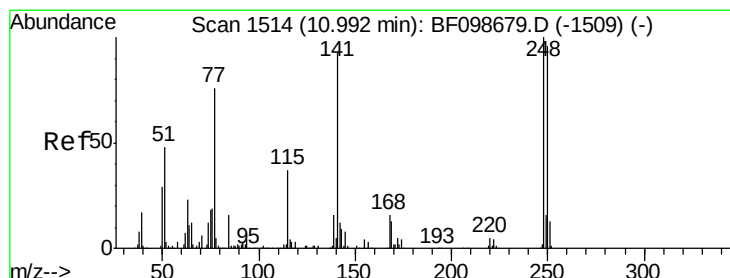
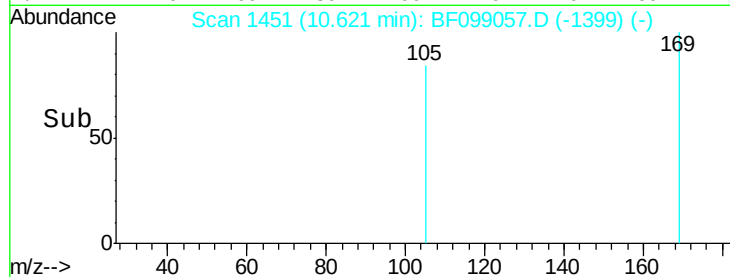
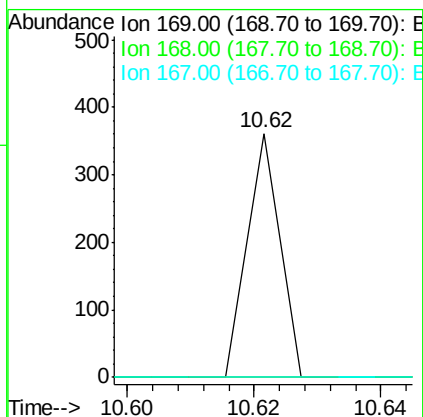
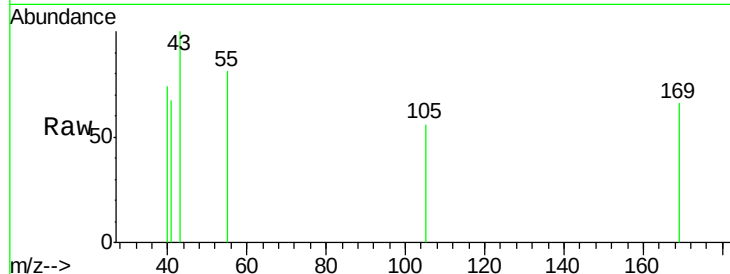




#65
 n-Nitrosodiphenylamine
 Concen: 0.02 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

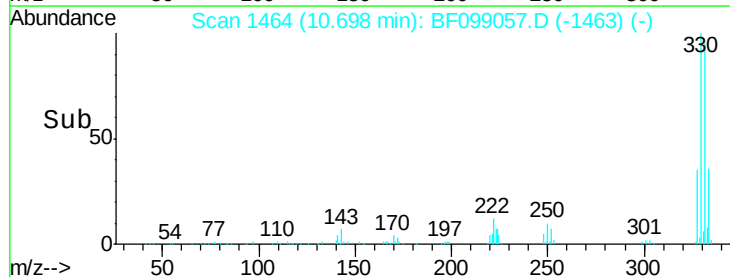
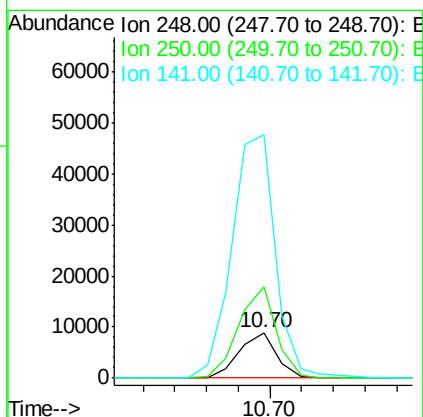
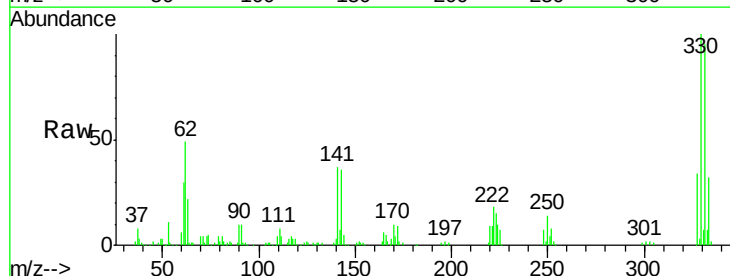
Instrument :
 BNA_F
 ClientSampleId :

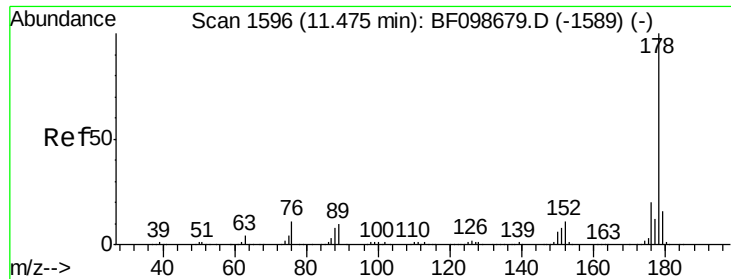
Tot Ion:169 Resp: 127
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.4 81.6#
 167 0.0 29.8 44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.29 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion:248 Resp: 7241
 Ion Ratio Lower Upper
 248 100
 250 200.9 76.9 115.3#
 141 534.0 74.4 111.6#

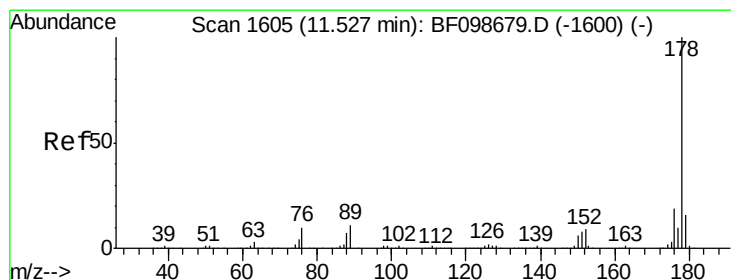
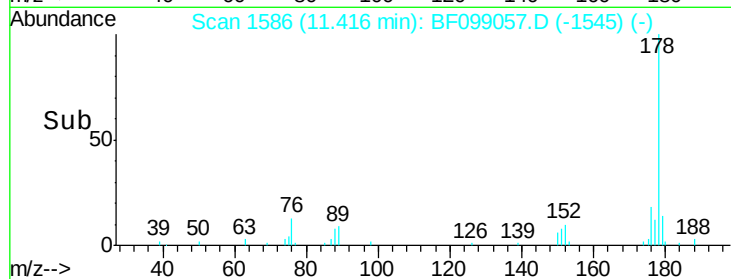
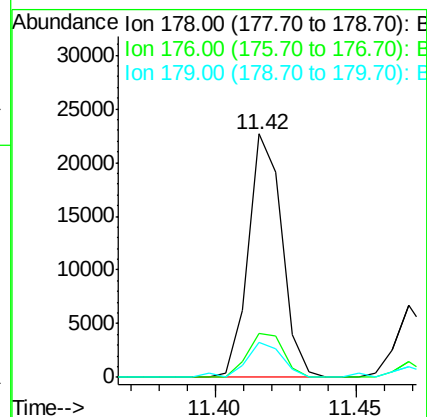
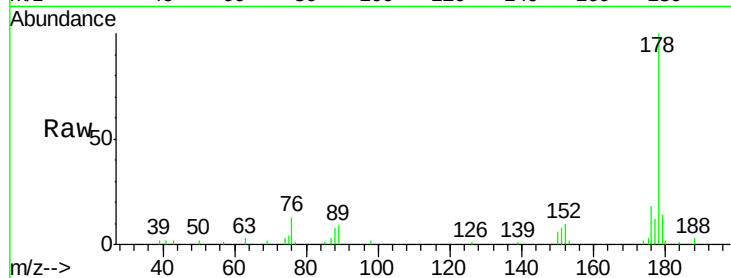




#70
 Phenanthrene
 Concen: 1.44 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.06 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

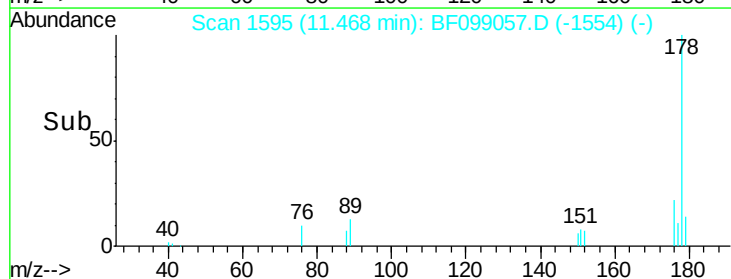
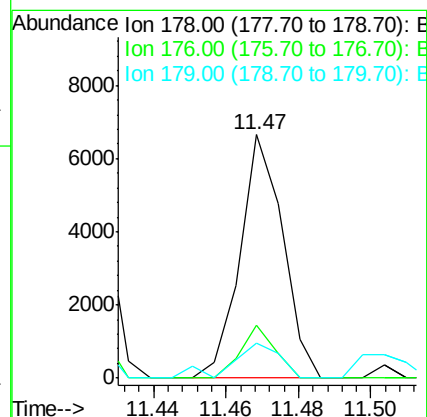
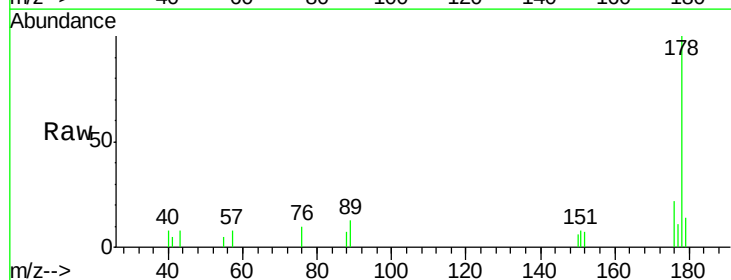
Instrument :
 BNA_F
 ClientSampleId :

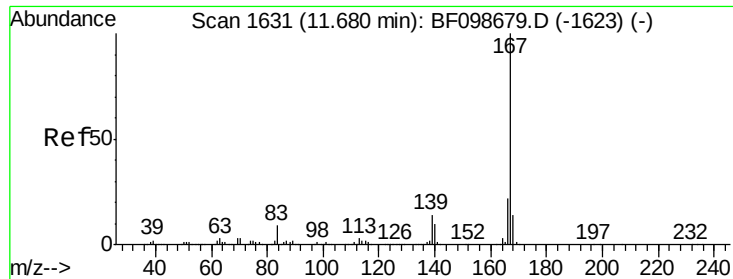
Tot Ion:178 Resp: 18693
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 14.4 13.0 19.6



#71
 Anthracene
 Concen: 0.41 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.06 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion:178 Resp: 5441
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.4 23.2
 179 14.2 12.6 19.0

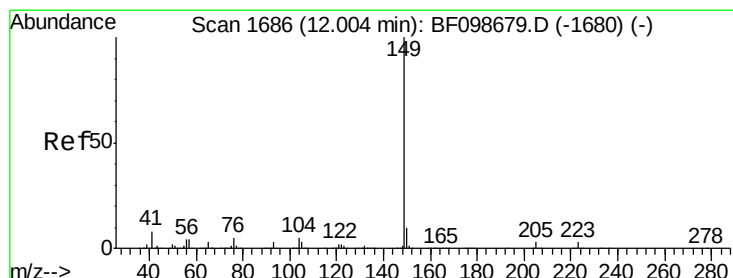
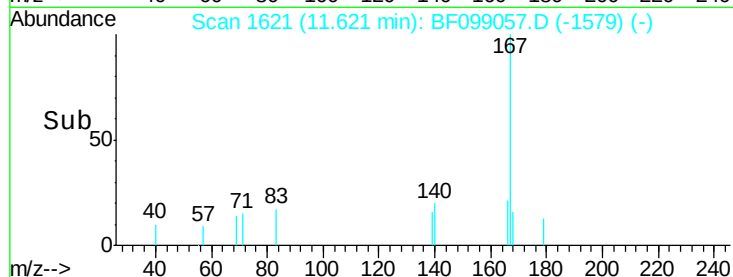
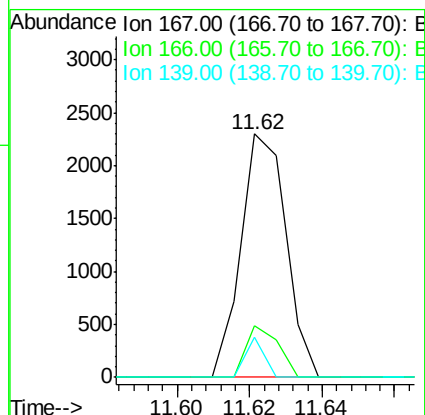
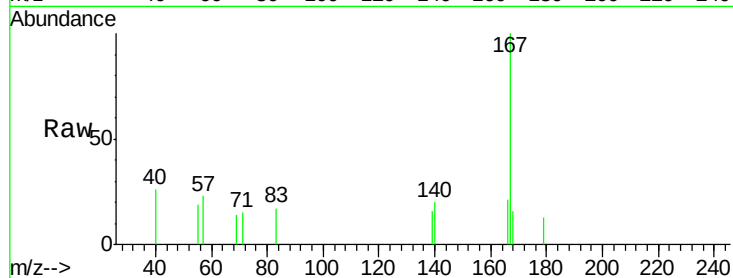




#72
 Carbazole
 Concen: 0.15 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.05 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

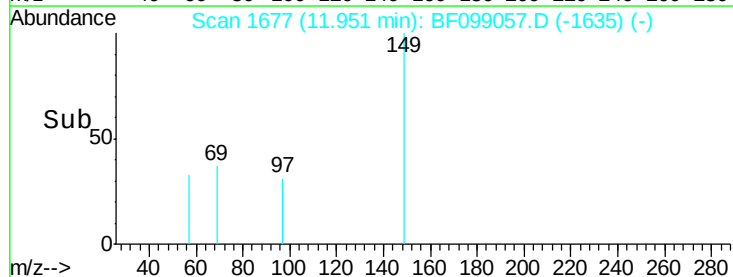
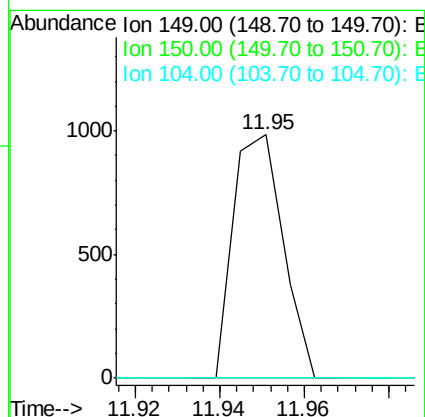
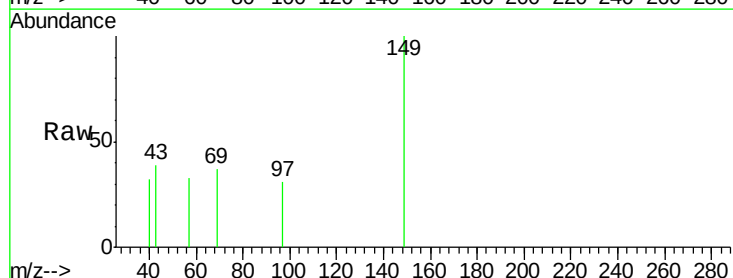
Instrument :
 BNA_F
 ClientSampleId :

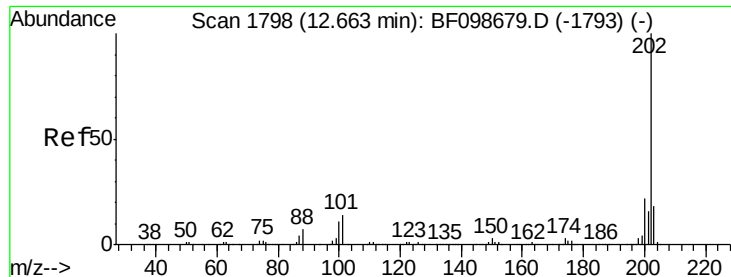
Tot Ion:167 Resp: 1979
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 16.3 10.9 16.3



#73
 Di-n-butylphthalate
 Concen: 0.05 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.05 min
 Lab File: BF099057.D
 Acq: 4 Oct 2017 3:43

Tgt Ion:149 Resp: 806
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#

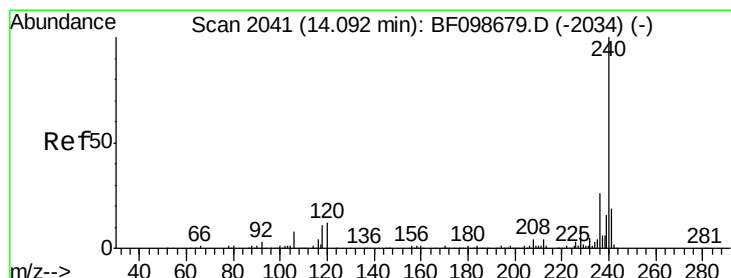
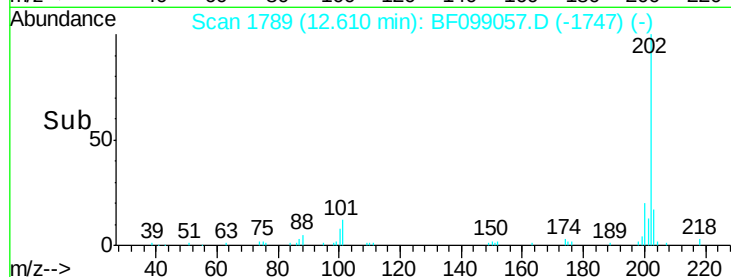
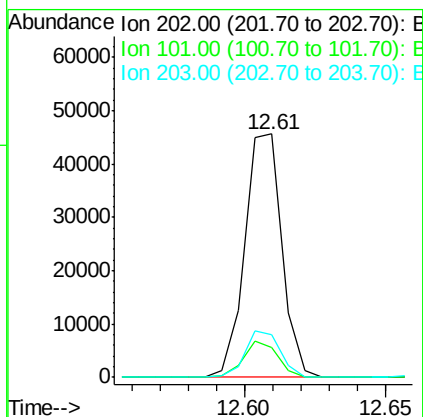
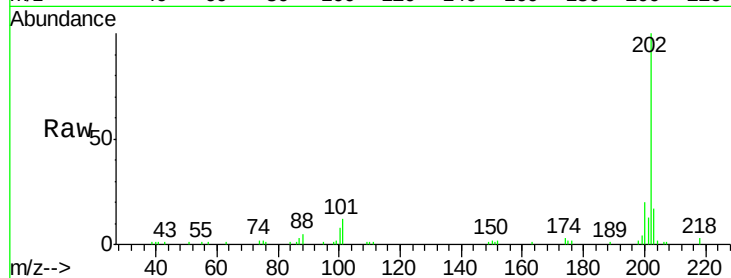




#74
Fluoranthene
Concen: 3.17 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

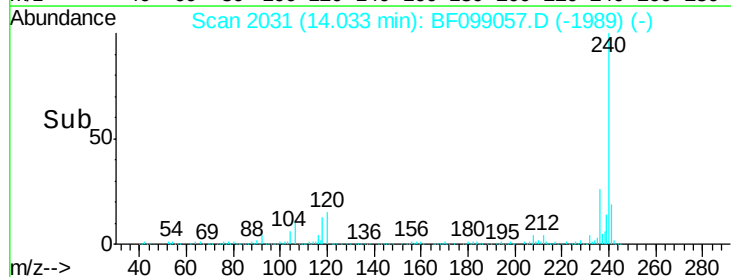
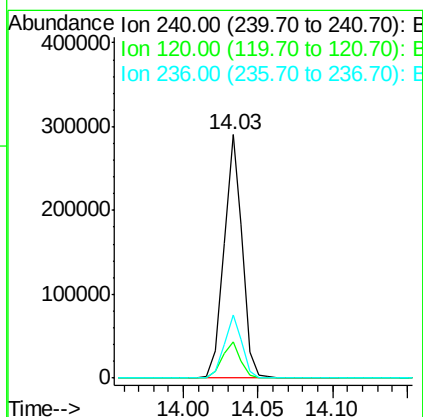
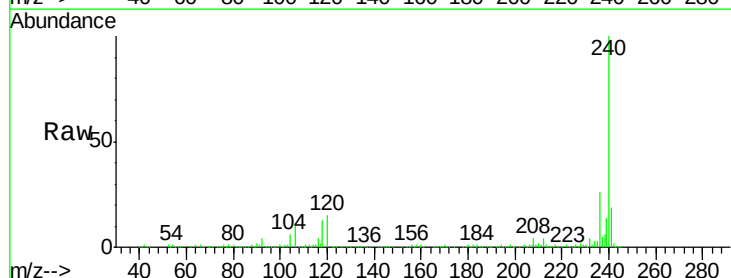
Instrument :
BNA_F
ClientSampleId :

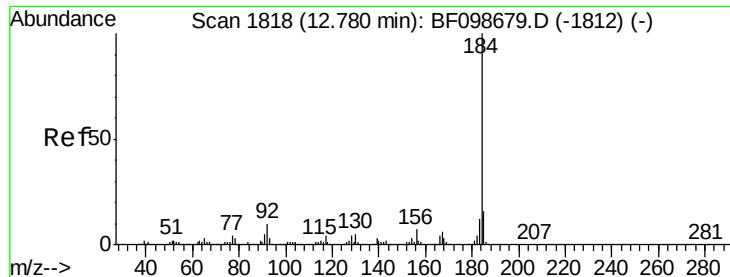
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	26.0	20.7	31.1





#76

Benzidine

Concen: 0.81 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.19 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

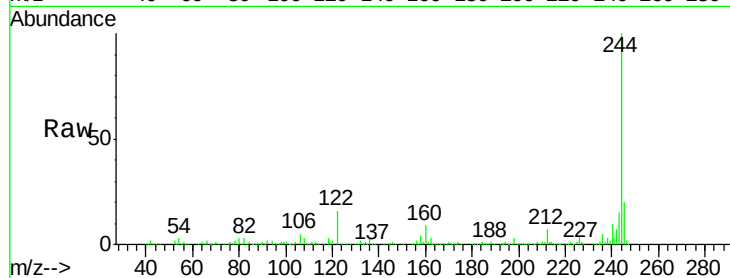
Tot Ion:184 Resp: 7544

Ion Ratio Lower Upper

184 100

185 19.3 12.6 18.8#

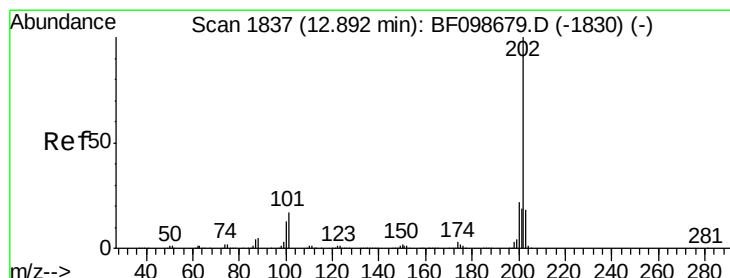
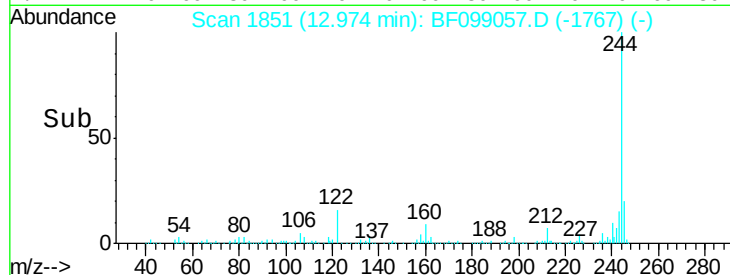
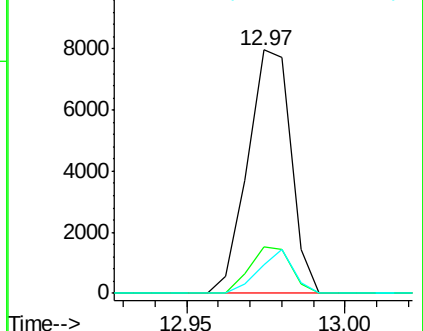
183 11.8 9.3 13.9



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



#77

Pyrene

Concen: 2.21 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

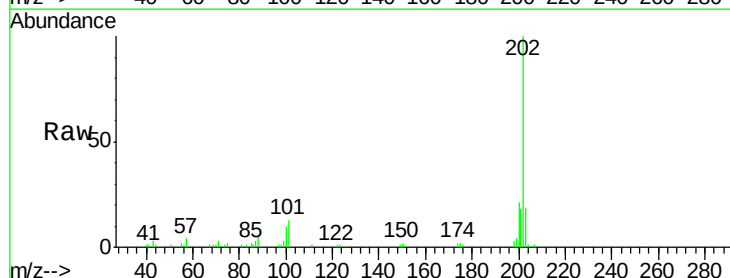
Tgt Ion:202 Resp: 42247

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

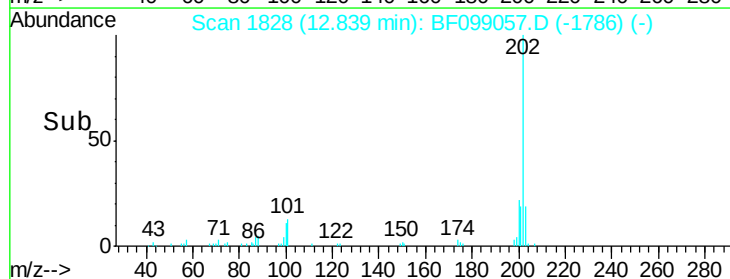
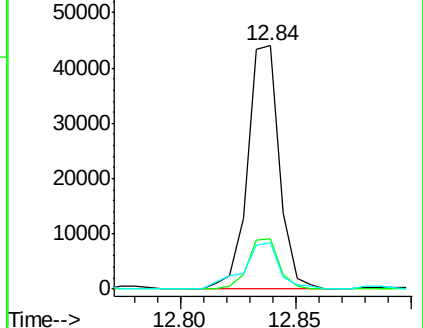
203 19.0 14.3 21.5

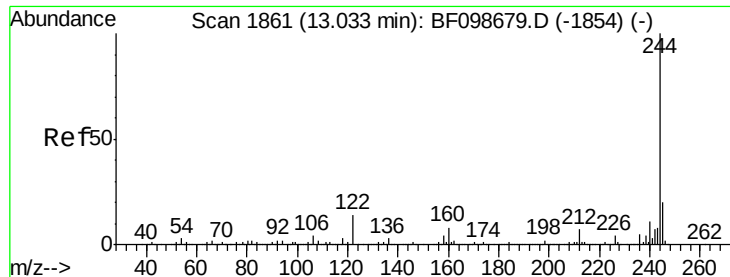


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.20 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampleId :

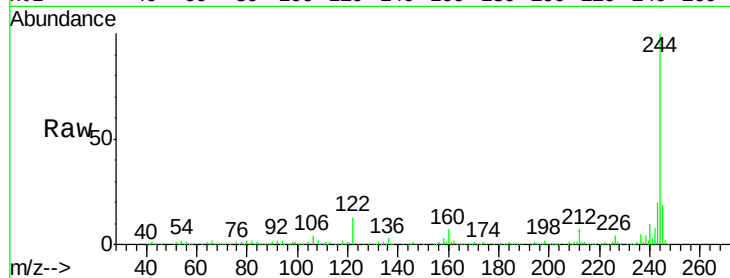
Tot Ion:244 Resp: 564538

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

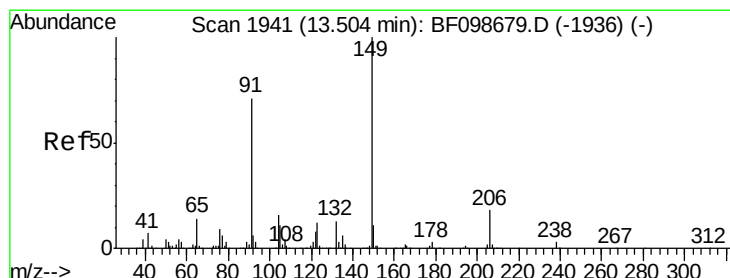
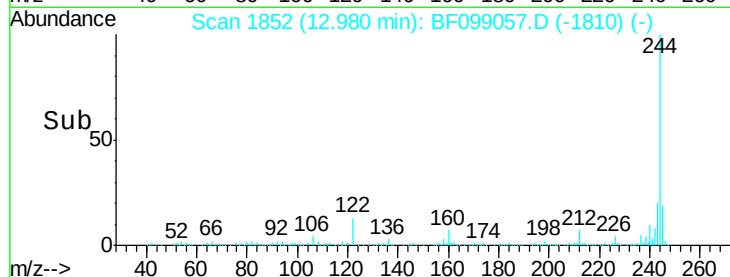
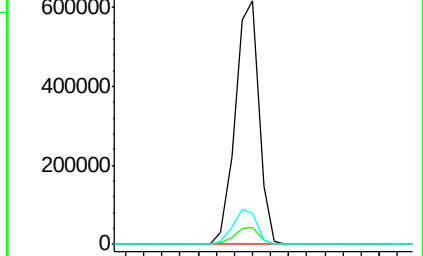
122 12.7 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

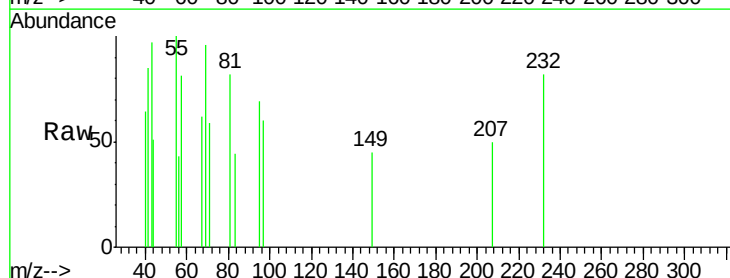
Tgt Ion:149 Resp: 218

Ion Ratio Lower Upper

149 100

91 0.0 56.8 85.2#

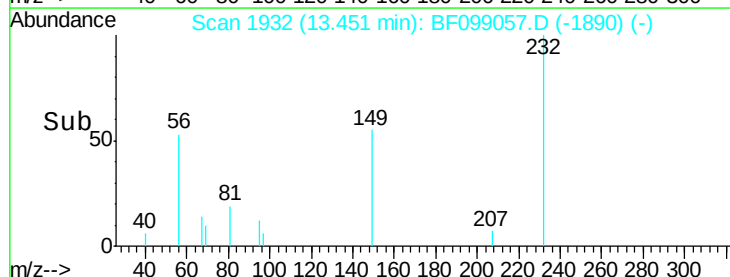
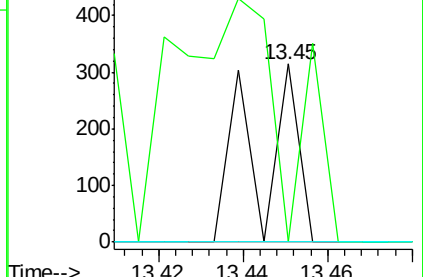
206 0.0 14.1 21.1#

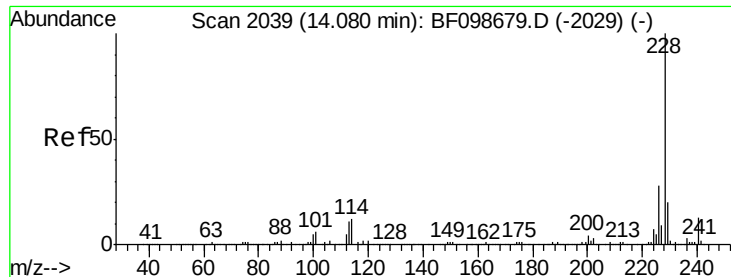


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

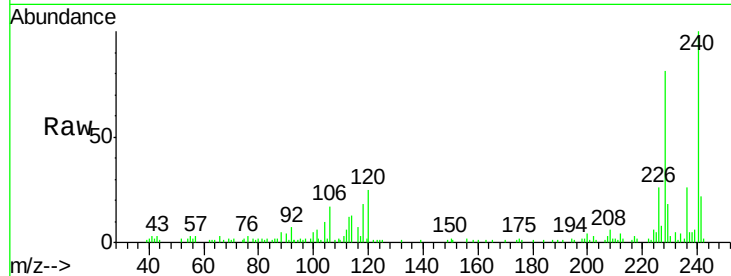




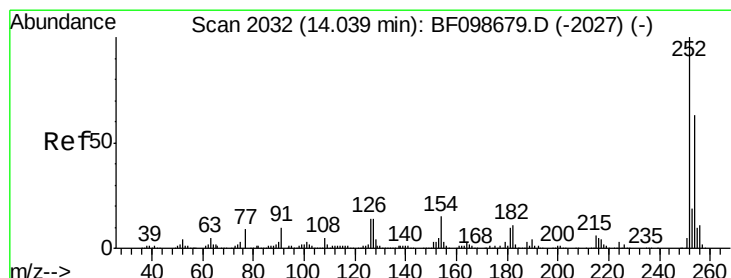
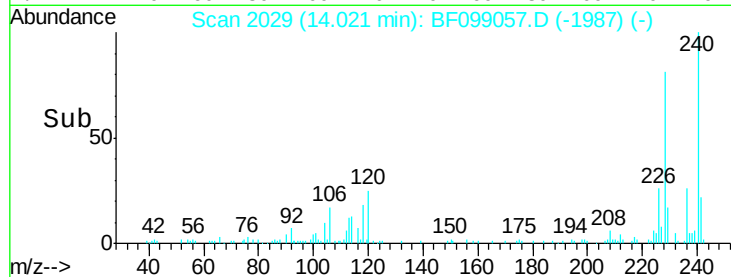
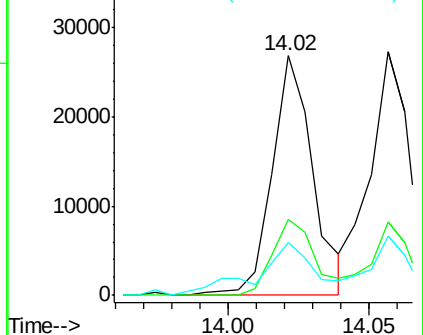
#80
Benzo(a)anthracene
Concen: 1.78 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 26974
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 22.1 15.8 23.6

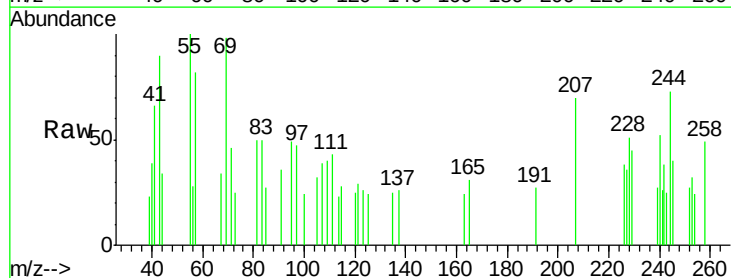


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

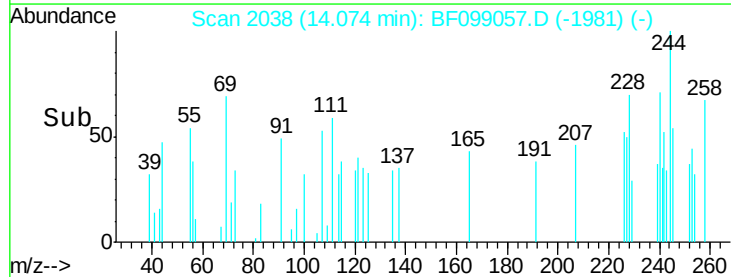
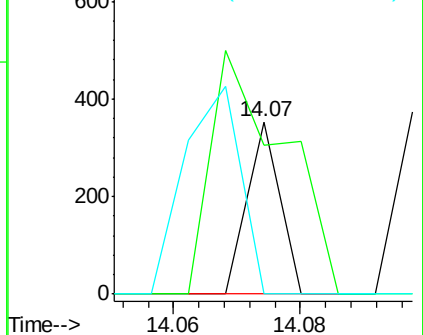


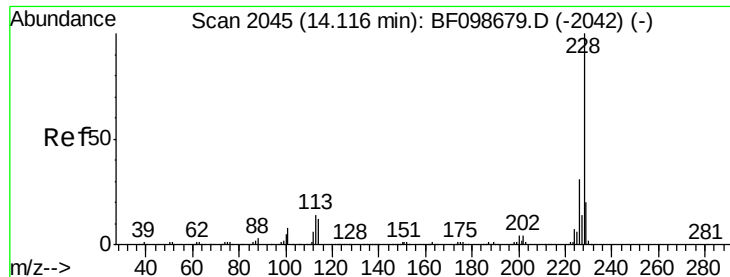
#81
3,3'-Dichlorobenzidine
Concen: 0.02 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.04 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:252 Resp: 125
Ion Ratio Lower Upper
252 100
254 86.7 50.4 75.6#
126 0.0 11.3 16.9#



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

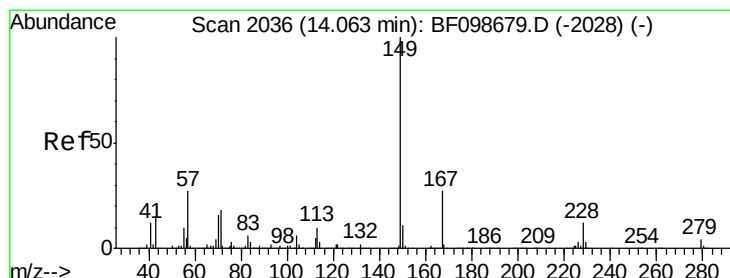
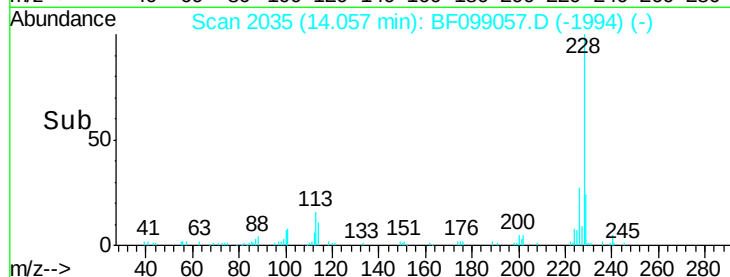
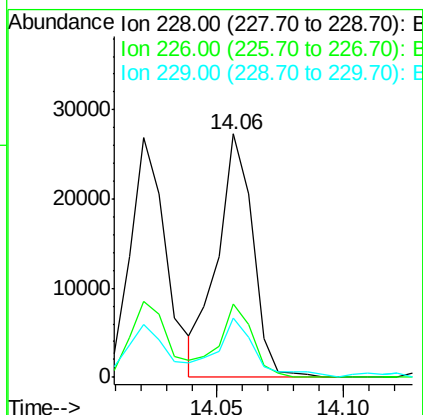
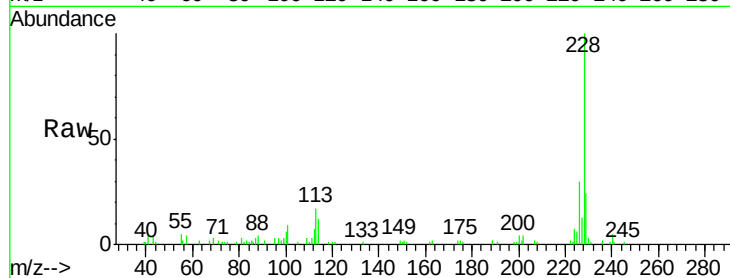




#82
Chrysene
Concen: 1.84 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.06 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

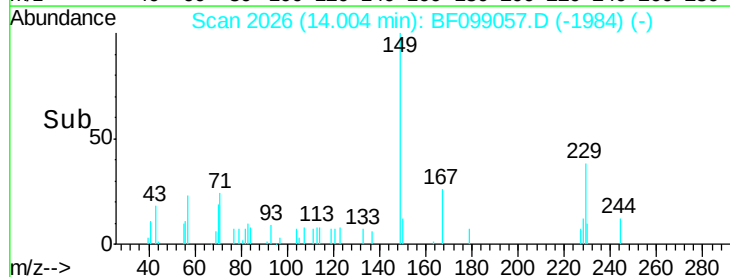
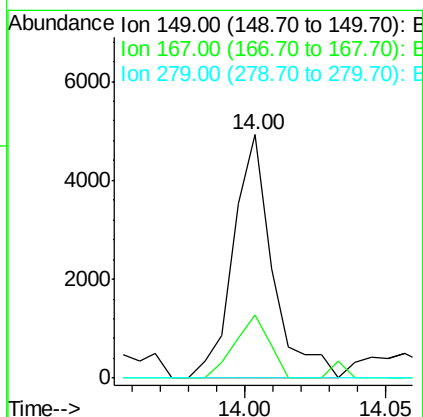
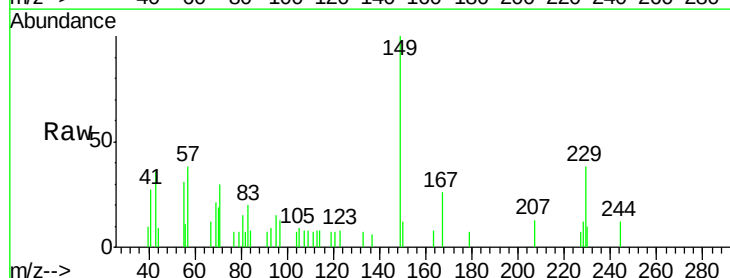
Instrument :
BNA_F
ClientSampleId :

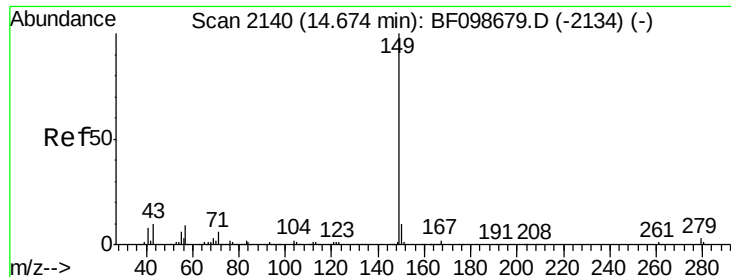
Tot Ion:228 Resp: 26551
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 24.3 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:149 Resp: 4744
Ion Ratio Lower Upper
149 100
167 26.1 21.3 31.9
279 0.0 3.0 4.4#





#84

Di-n-octyl phthalate

Concen: 0.04 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.05 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampled :

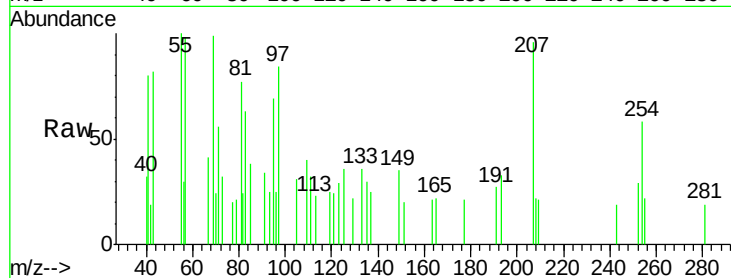
Tot Ion:149 Resp: 701

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

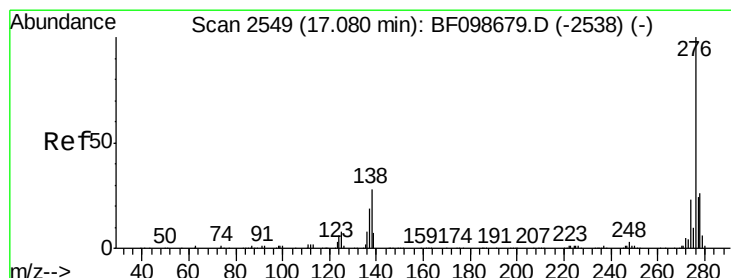
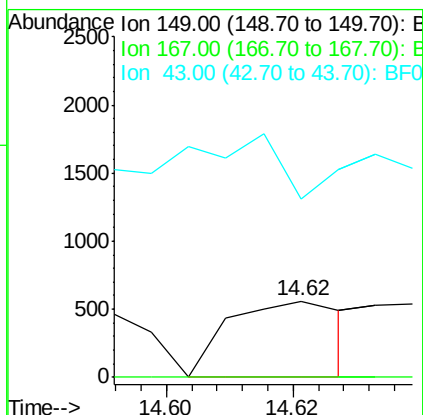
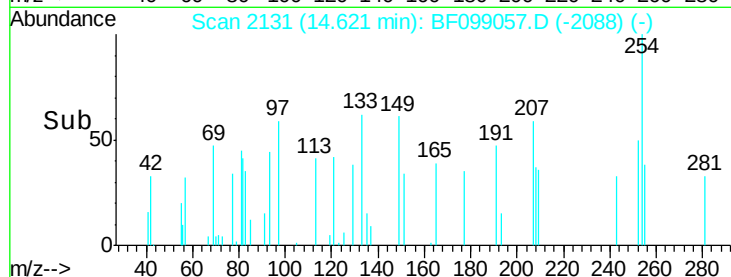
43 59.6 8.4 12.6#



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): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.15 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.11 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

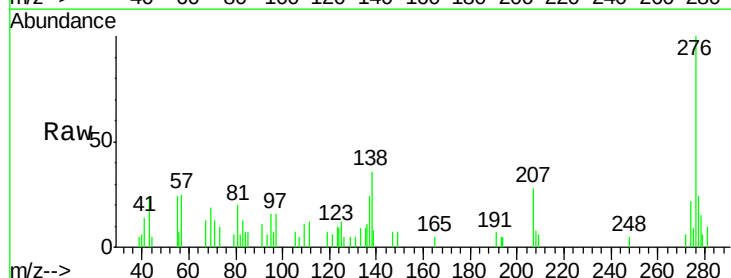
Tgt Ion:276 Resp: 13271

Ion Ratio Lower Upper

276 100

138 34.1 25.0 37.6

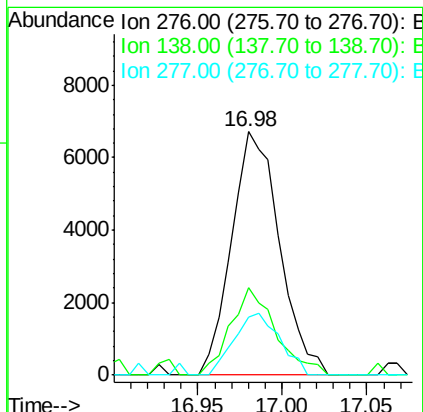
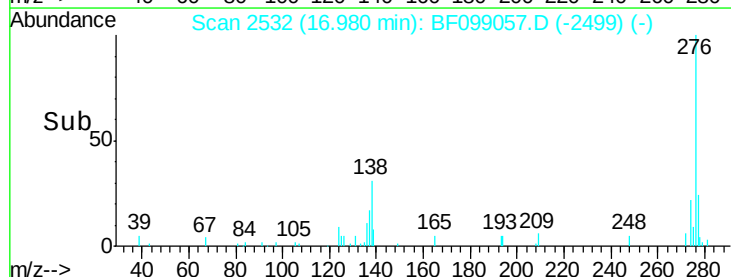
277 24.4 20.1 30.1

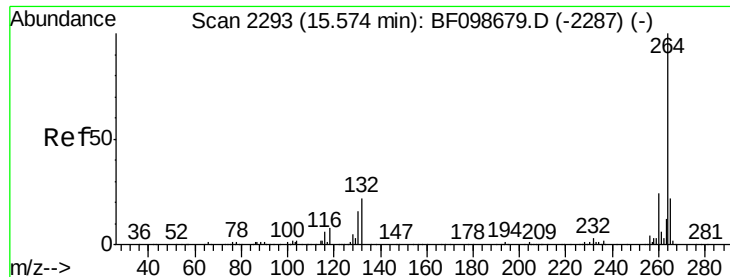


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

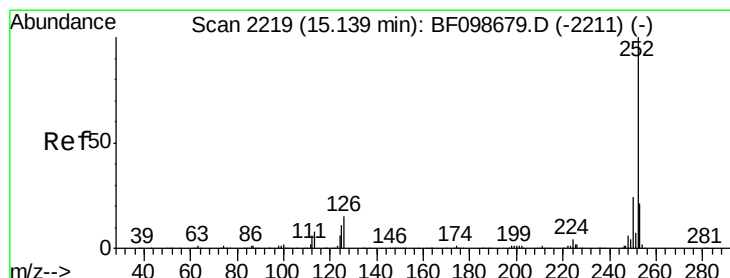
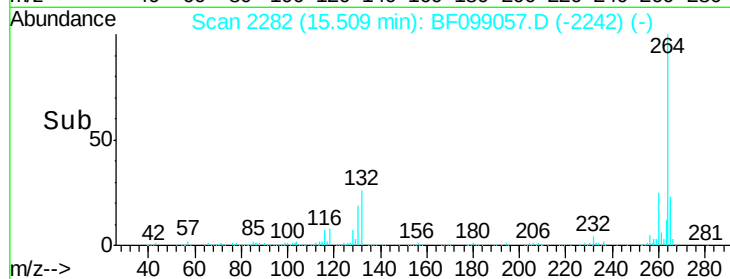
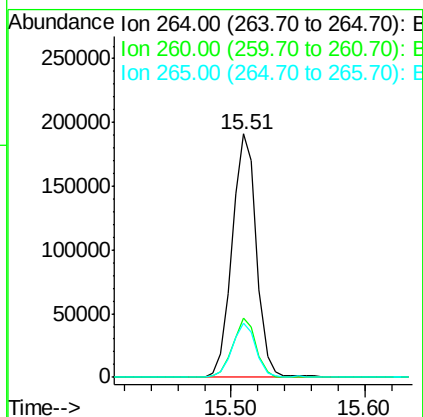
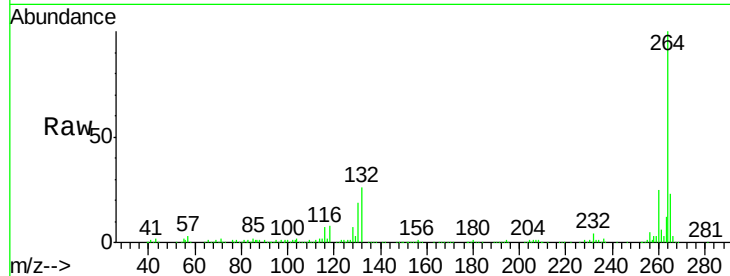




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

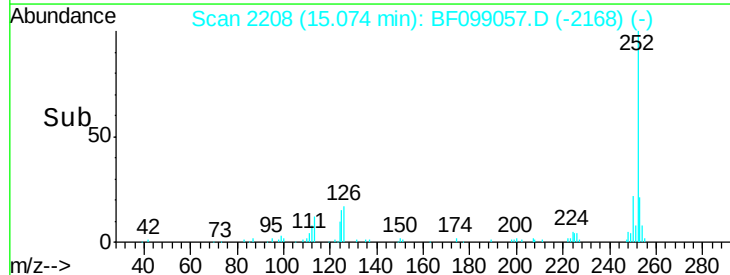
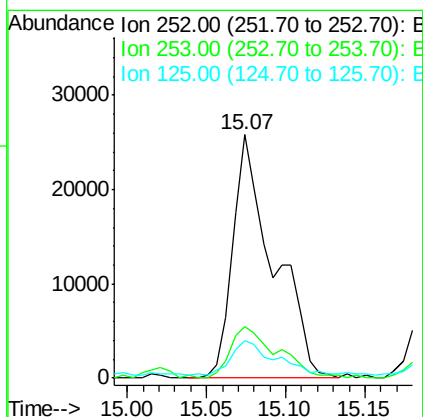
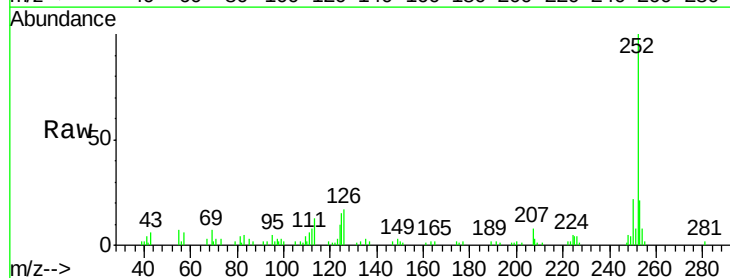
Instrument :
BNA_F
ClientSampleId :

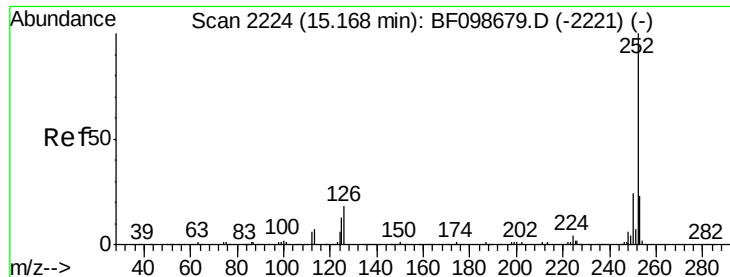
Tot Ion:264 Resp: 243512
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.07 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:252 Resp: 45940
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 15.4 9.0 13.6#

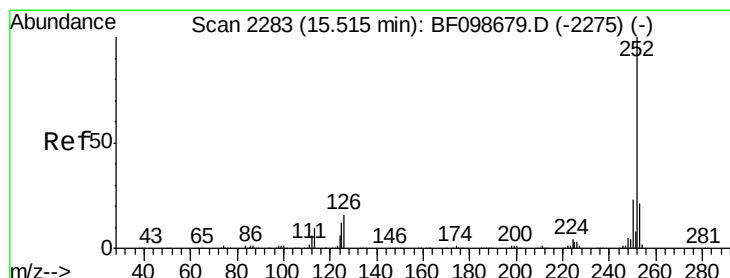
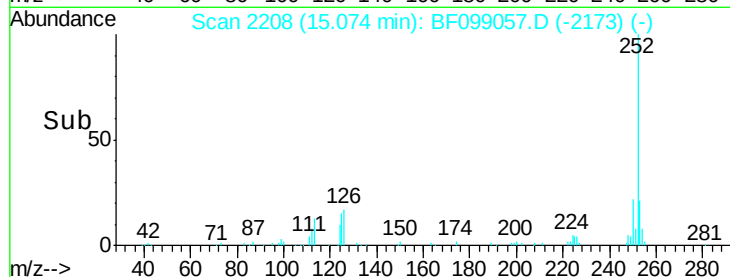
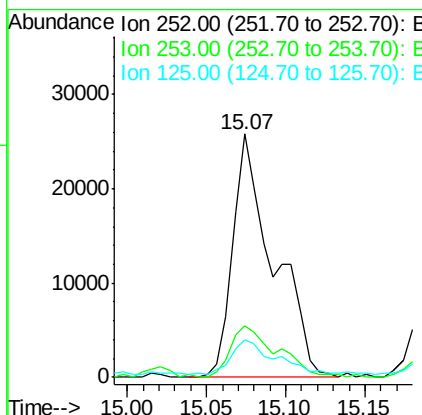
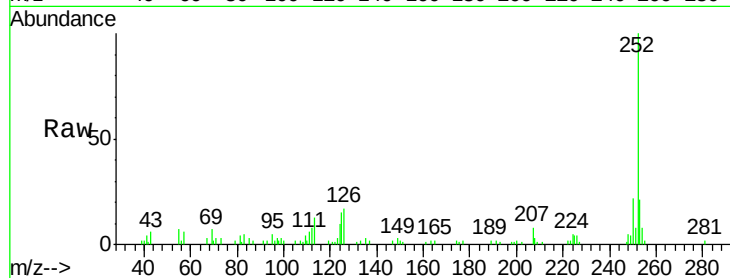




#88
Benzo(k)fluoranthene
Concen: 3.11 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.09 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

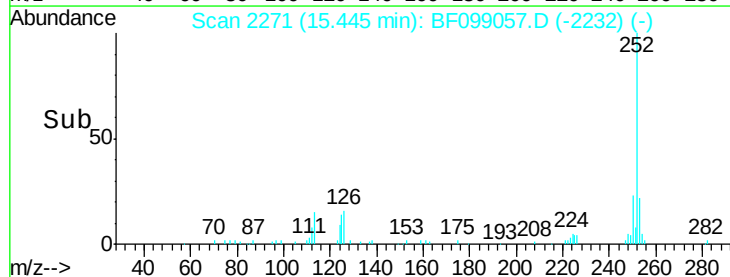
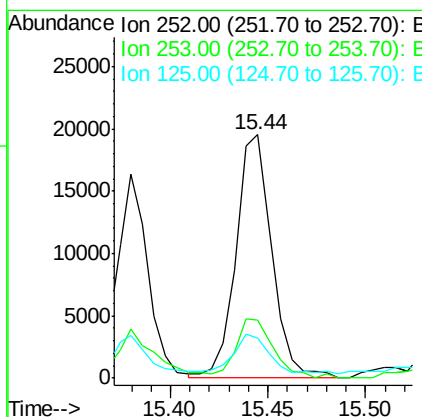
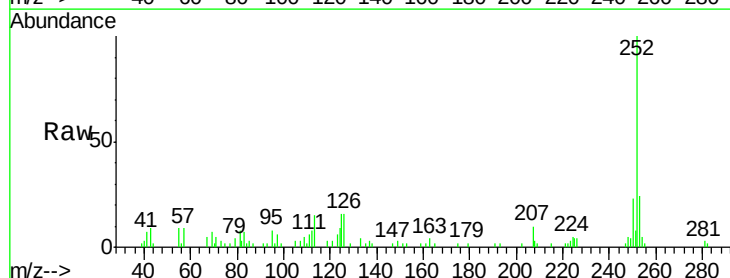
Instrument :
BNA_F
ClientSampleId :

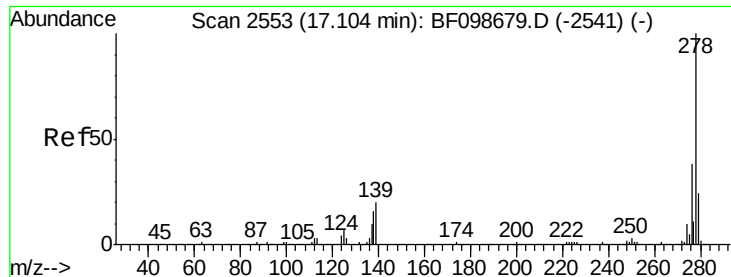
Tot Ion:252 Resp: 45940
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 15.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 1.81 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099057.D
Acq: 4 Oct 2017 3:43

Tgt Ion:252 Resp: 24916
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 16.2 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 0.35 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.11 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

Instrument :

BNA_F

ClientSampleId :

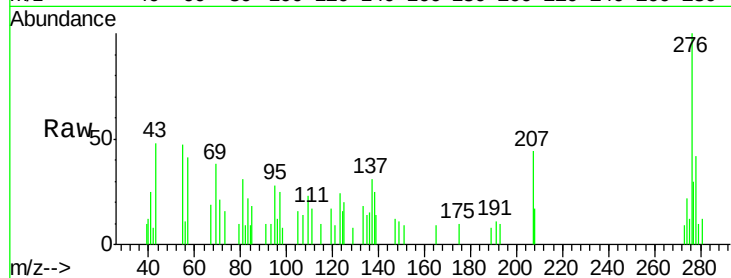
Tot Ion:278 Resp: 3825

Ion Ratio Lower Upper

278 100

139 34.2 15.9 23.9#

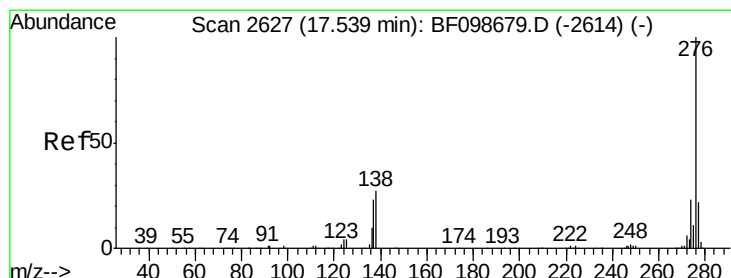
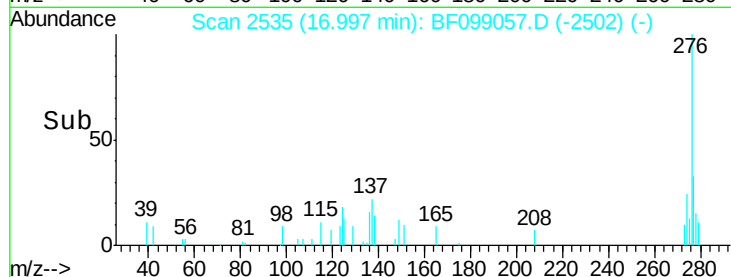
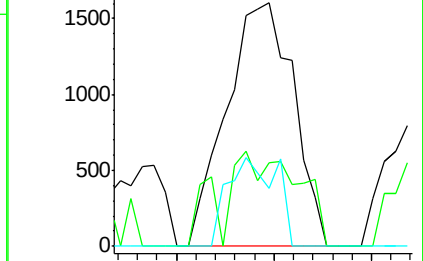
279 23.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 1.12 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.11 min

Lab File: BF099057.D

Acq: 4 Oct 2017 3:43

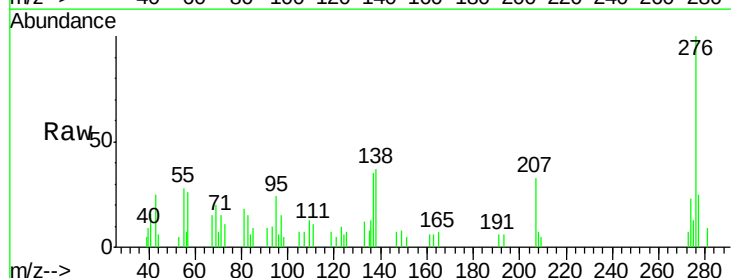
Tgt Ion:276 Resp: 12188

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 37.5 21.8 32.8#



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

