

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101637.D
 Acq On : 22 Dec 2017 6:14
 Operator : SJ/JU
 Sample : I6966-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 08:05:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118432	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	503097	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	177314	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	283843	20.00	ng	0.00
75) Chrysene-d12	14.04	240	59090	20.00	ng	0.07
86) Perylene-d12	15.54	264	86896	20.00	ng	0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	906095	113.96	ng	0.00
7) Phenol-d6	6.44	99	1098161	110.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	592500	65.56	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	172726	101.09	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	950720	83.17	ng	0.00
78) Terphenyl-d14	12.93	244	393577	160.57	ng	0.02

Target Compounds

						Qvalue
10) Phenol	6.45	94	56541	5.013	ng	# 64
15) Benzyl Alcohol	6.95	79	20238	2.971	ng	# 39
18) Hexachloroethane	7.32	117	43755	13.056	ng	# 1
19) n-Nitroso-di-n-propylamine	7.21	70	35780	5.506	ng	# 64
22) Acetophenone	7.19	105	136628	11.902	ng	# 60
25) Isophorone	7.59	82	38730	2.136	ng	# 1
31) Naphthalene	8.10	128	602706	23.796	ng	99
32) Benzoic acid	7.90	122	5290	8.858	ng	# 1
33) 4-Chloroaniline	8.10	127	82137	7.461	ng	# 36
37) 2-Methylnaphthalene	8.79	142	276467	16.754	ng	99
49) Dimethylphthalate	9.55	163	60736	4.258	ng	# 98
51) Acenaphthene	9.87	154	285471	25.002	ng	99
53) 2,4-Dinitrophenol	10.02	184	544	10.790	ng	# 1
54) Dibenzofuran	10.04	168	282584	19.475	ng	# 89
55) 4-Nitrophenol	9.97	139	3989	2.531	ng	# 12
56) 2,4-Dinitrotoluene	10.03	165	9017	2.761	ng	# 38
57) Fluorene	10.39	166	383326	31.229	ng	98
65) n-Nitrosodiphenylamine	10.49	169	74385	7.097	ng	# 42
69) Pentachlorophenol	11.15	266	669	7.025	ng	# 49
70) Phenanthrene	11.36	178	1879021	119.039	ng	99
71) Anthracene	11.41	178	492023	30.515	ng	98
72) Carbazole	11.57	167	223151	14.782	ng	95
74) Fluoranthene	12.57	202	1583800	95.591	ng	95
77) Pyrene	12.81	202	1201543	270.942	ng	97
80) Benzo(a)anthracene	14.04	228	375947	96.352	ng	# 93
82) Chrysene	14.04	228	375947	102.048	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.98	149	40578	15.966	ng	# 71
85) Indeno(1,2,3-cd)pyrene	17.04	276	326923	99.653	ng	# 85
87) Benzo(b)fluoranthene	15.11	252	469219	88.590	ng	# 80
88) Benzo(k)fluoranthene	15.11	252	469219	91.117	ng	# 82
89) Benzo(a)pyrene	15.49	252	265946	54.468	ng	# 77
90) Dibenzo(a,h)anthracene	17.03	278	74832	17.850	ng	# 61
91) Benzo(a,h,i)perylene	17.50	276	314760	75.825	ng	# 93

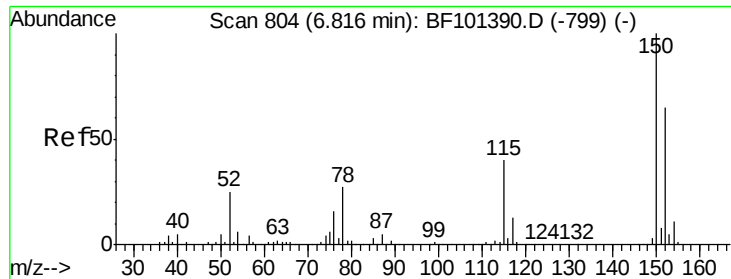
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101637.D
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Operator : SJ/JU
Sample : I6966-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

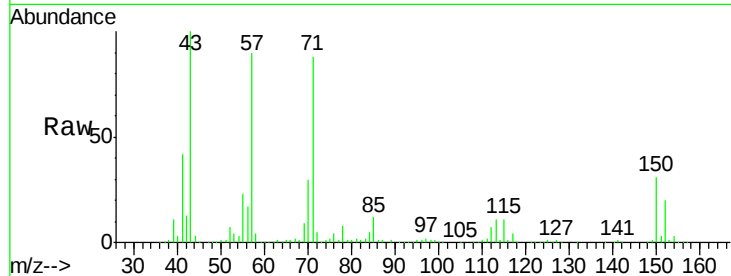


#1

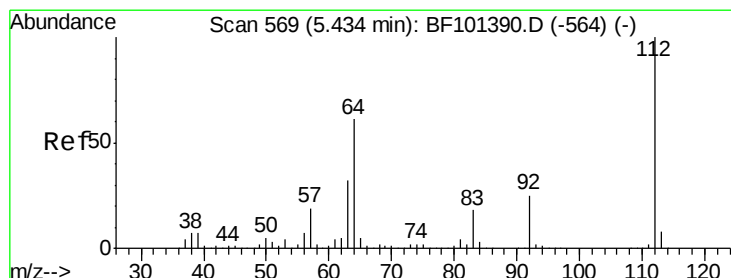
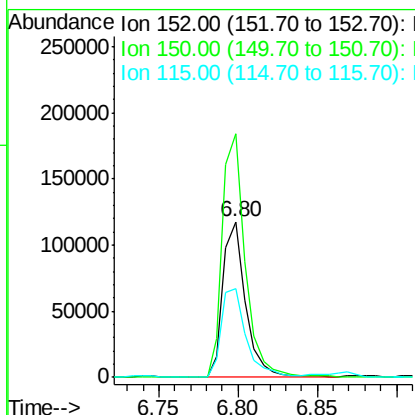
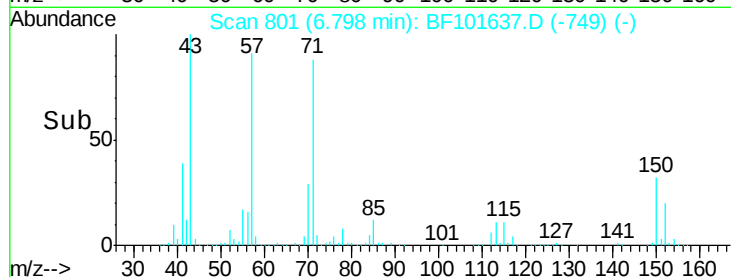
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	56.9	50.1	75.1



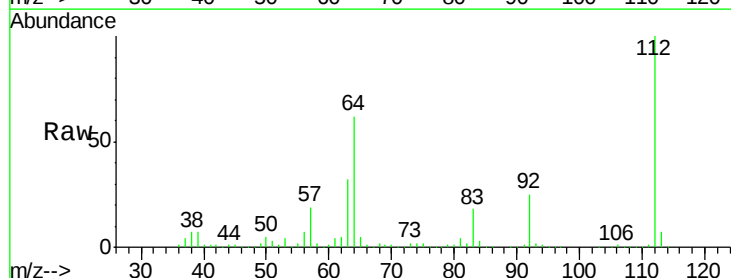
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



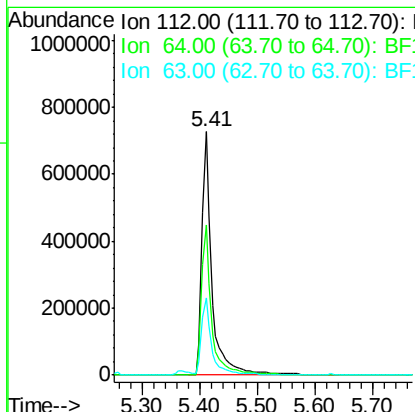
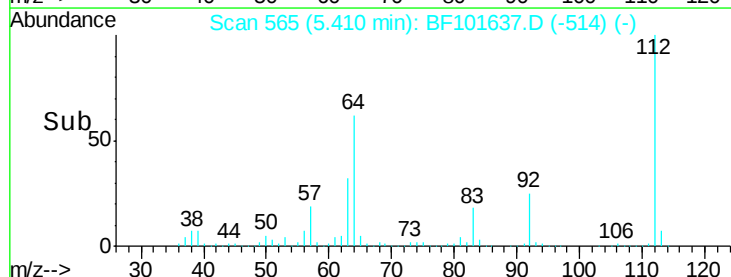
#5

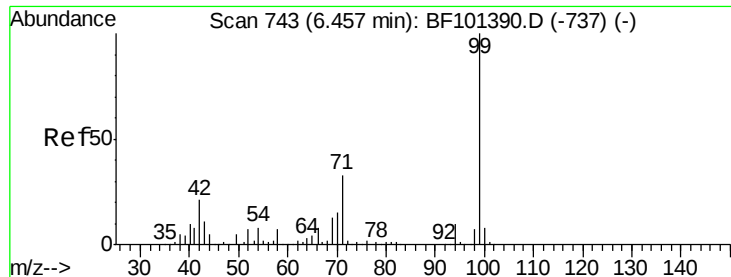
2-Fluorophenol
 Concen: 113.964 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.9	71.9
63	31.9	23.7	35.5



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





#7

Phenol-d6

Concen: 110.982 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampled :

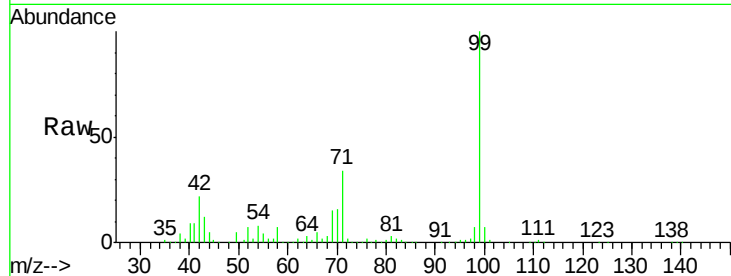
Tot Ion: 99 Resp: 1098161

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

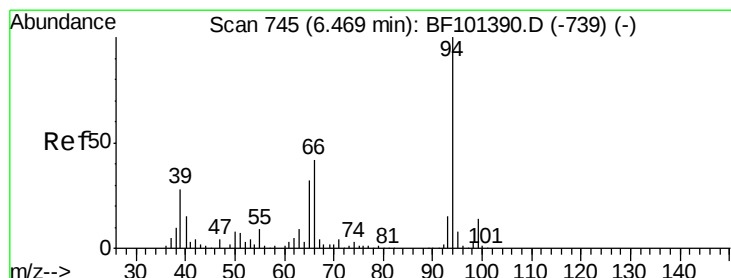
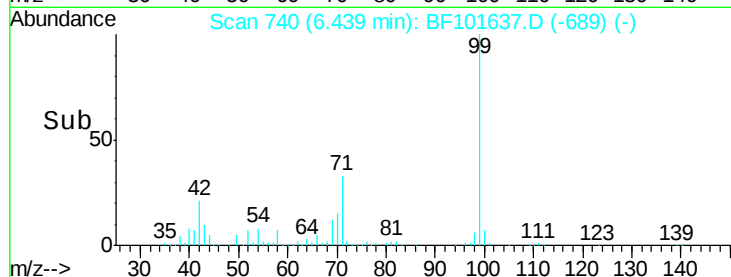
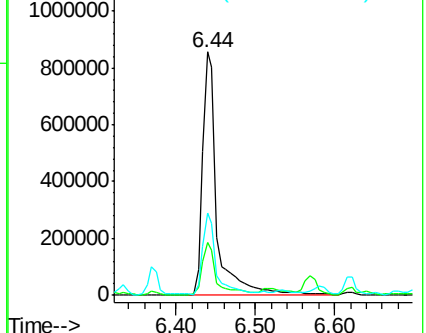
71 33.8 25.4 38.0



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



#10

Phenol

Concen: 5.013 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

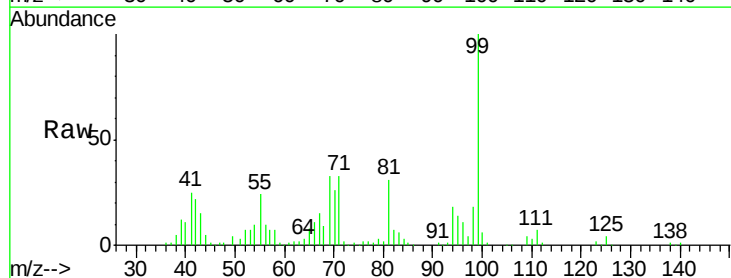
Tgt Ion: 94 Resp: 56541

Ion Ratio Lower Upper

94 100

65 42.2 7.9 47.9

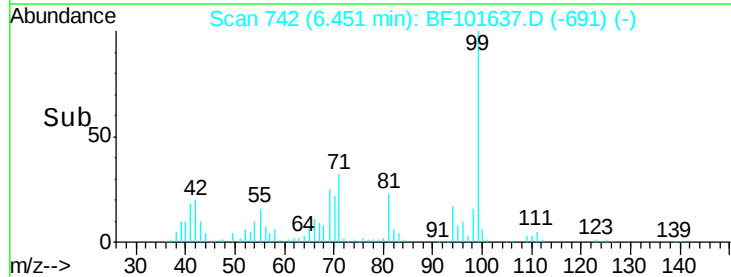
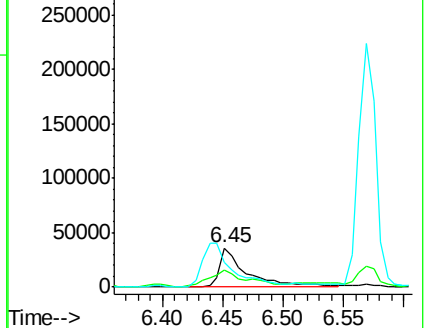
66 61.6 16.2 56.2#

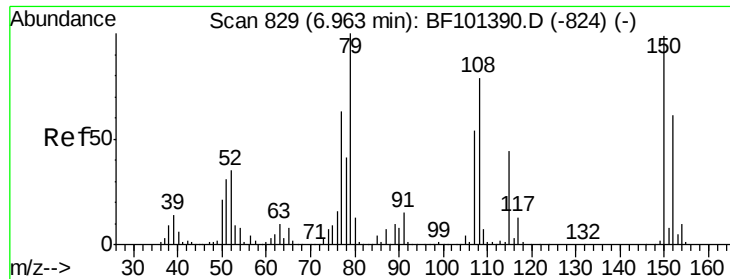


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

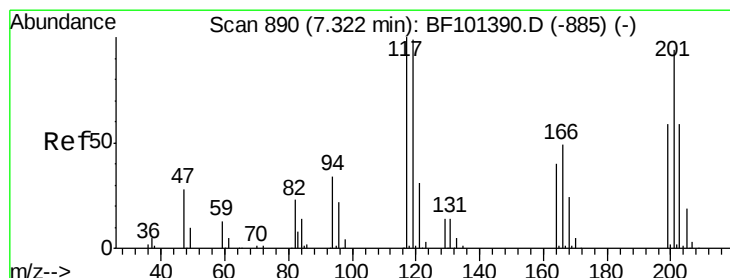
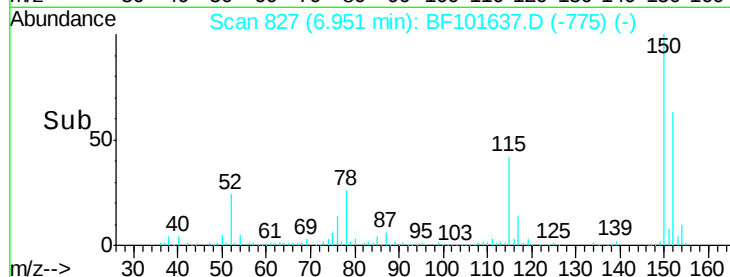
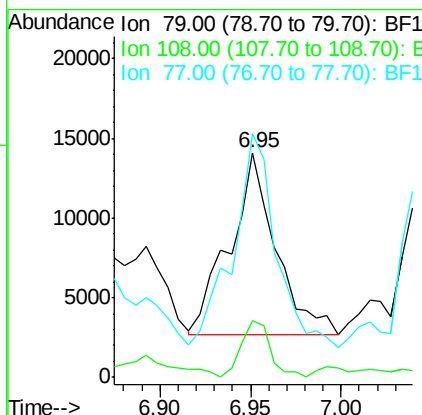
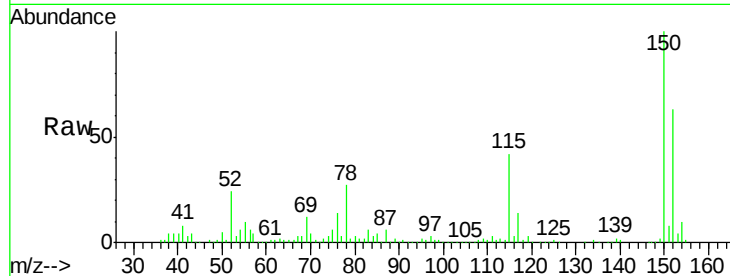




#15
Benzyl Alcohol
Concen: 2.971 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

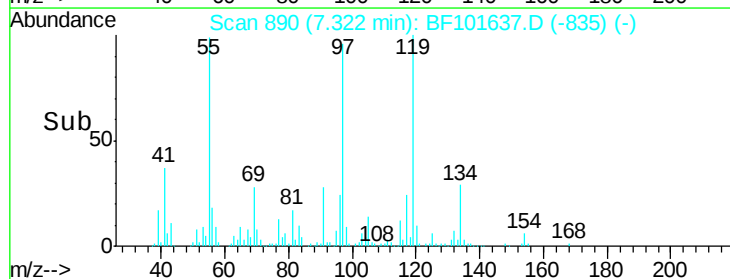
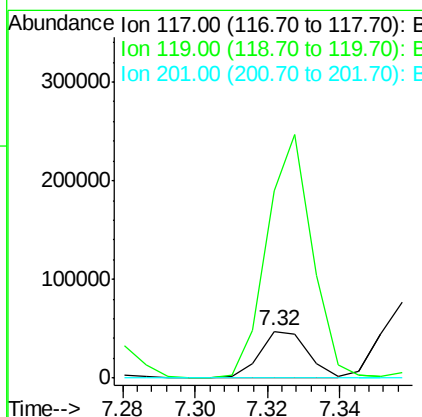
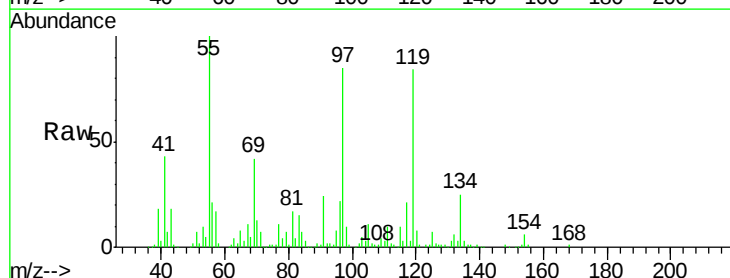
Instrument :
BNA_F
ClientSampleId :

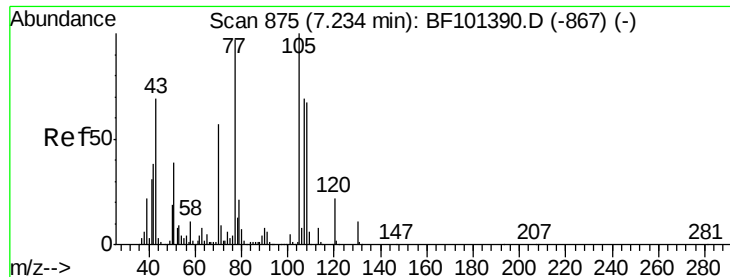
Tot Ion: 79 Resp: 20238
Ion Ratio Lower Upper
79 100
108 25.4 65.1 97.7#
77 108.4 50.6 75.8#



#18
Hexachloroethane
Concen: 13.056 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion: 117 Resp: 43755
Ion Ratio Lower Upper
117 100
119 398.1 75.8 113.8#
201 0.0 75.7 113.5#

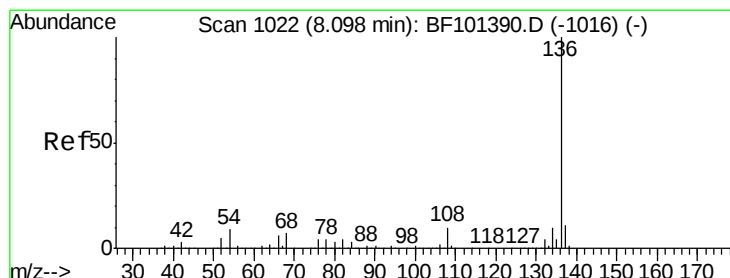
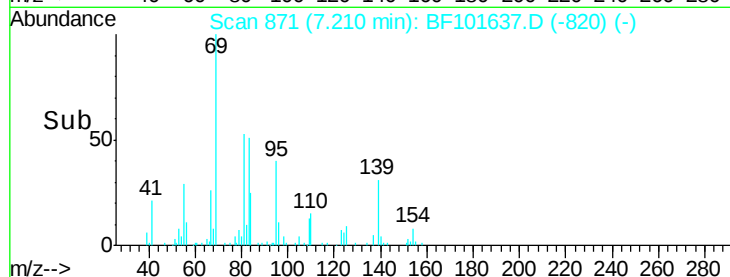
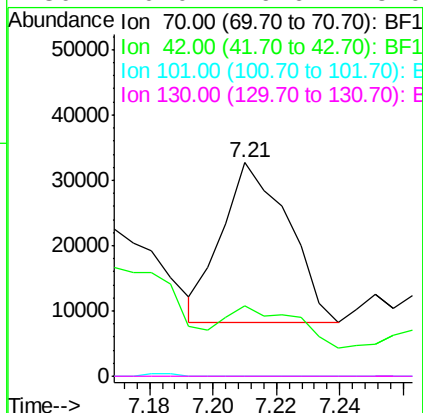
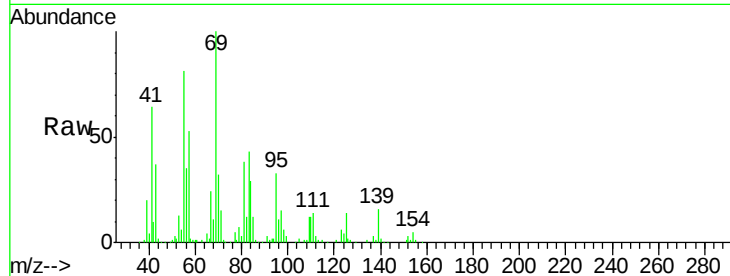




#19
n-Nitroso-di-n-propylamine
Concen: 5.506 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

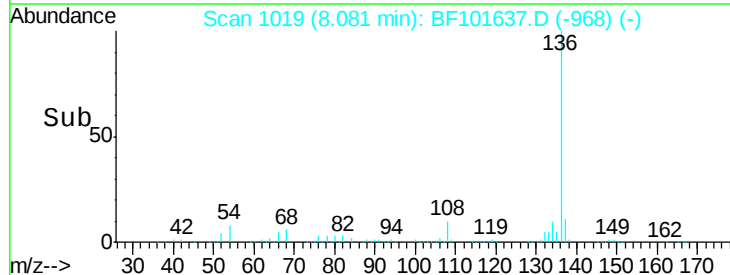
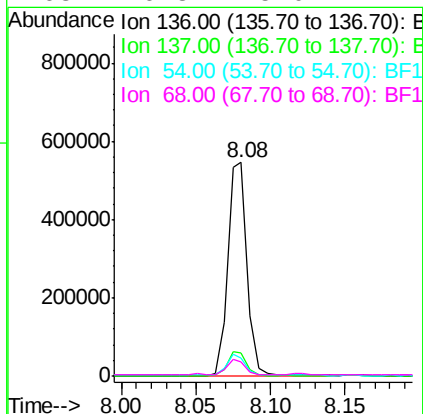
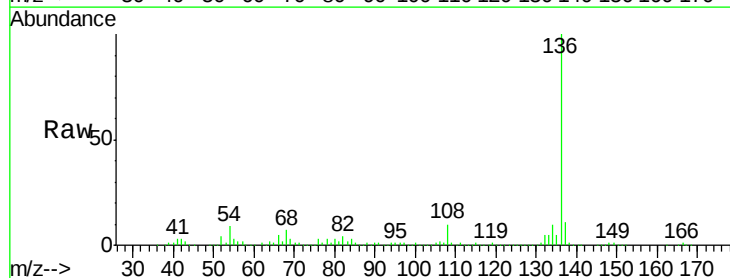
Instrument :
BNA_F
ClientSampleId :

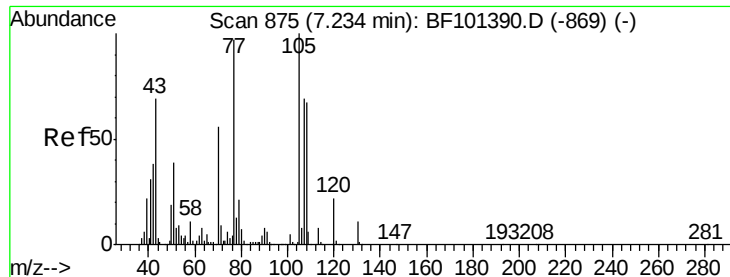
Tot Ion: 70 Resp: 35780
Ion Ratio Lower Upper
70 100
42 33.0 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion: 136 Resp: 503097
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.7 6.6 9.8
68 6.8 5.0 7.4





#22

Acetophenone

Concen: 11.902 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.03 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 136628

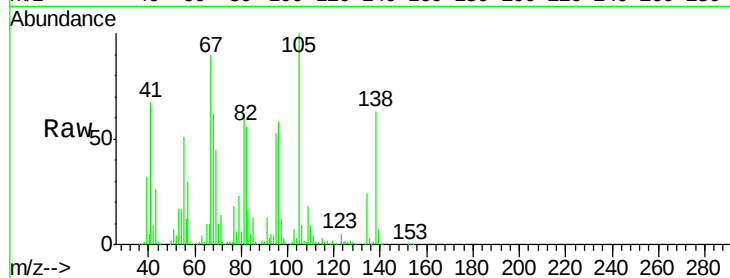
Ion Ratio Lower Upper

105 100

71 13.9 4.4 6.6#

51 7.3 22.3 33.5#

120 0.3 16.9 25.3#

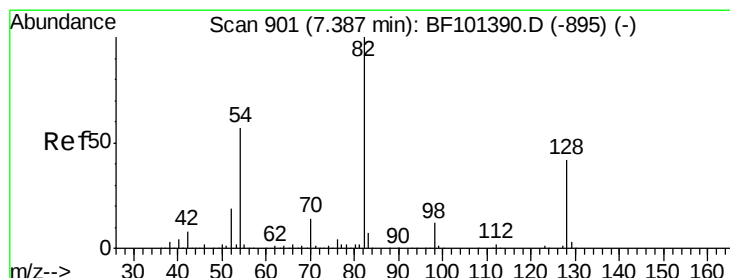
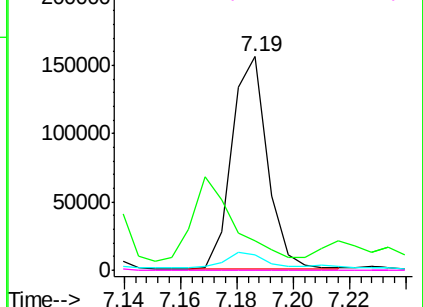
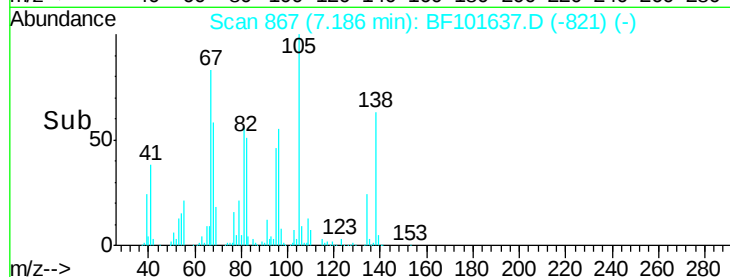


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 65.558 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

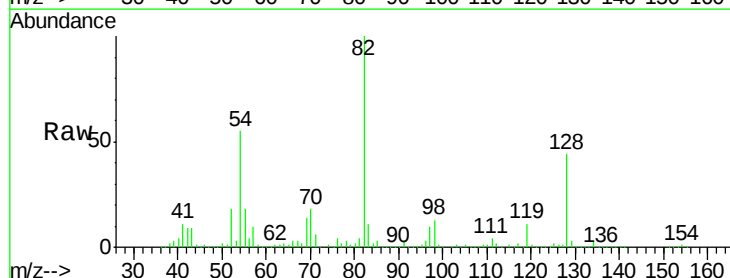
Tgt Ion: 82 Resp: 592500

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

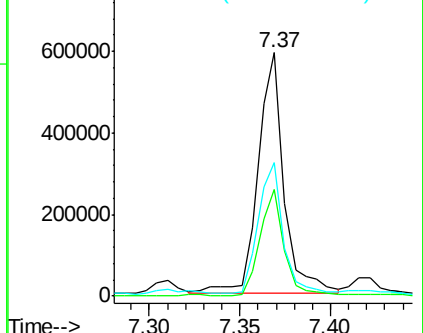
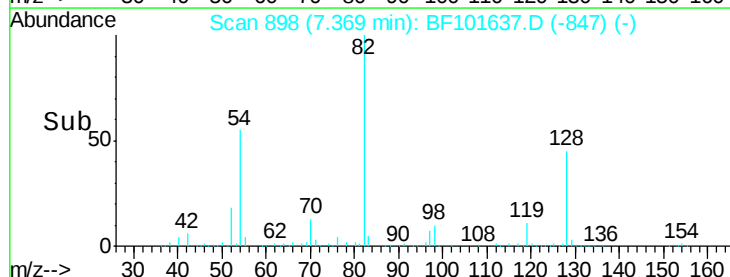
54 55.1 41.4 62.2

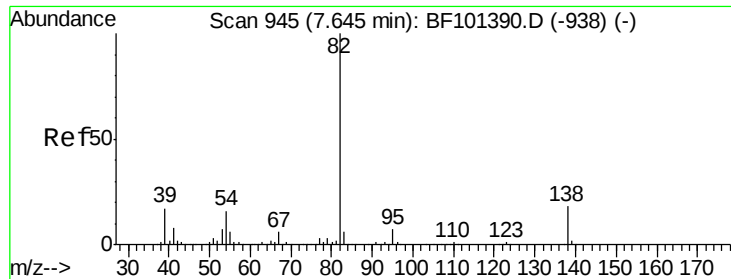


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

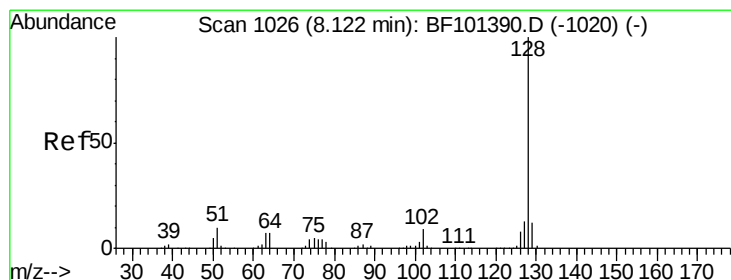
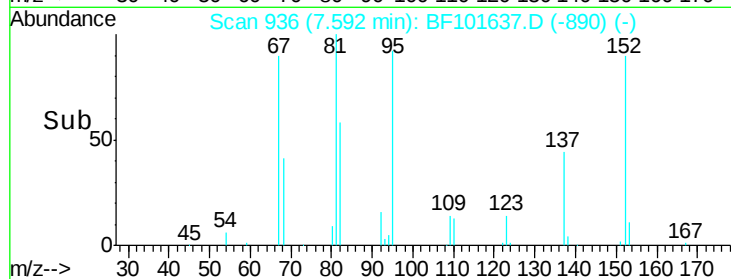
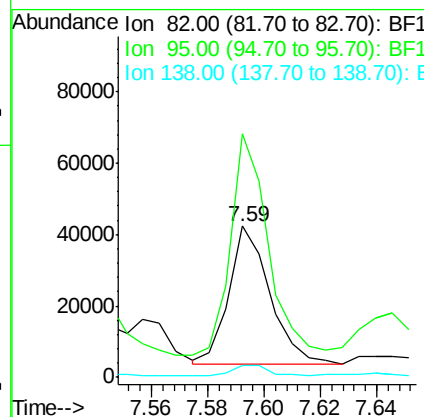
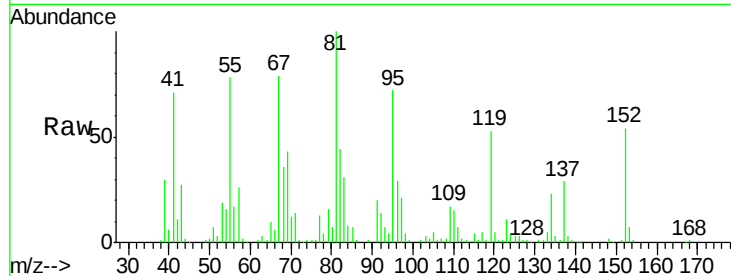




#25
Isophorone
Concen: 2.136 ng
RT: 7.59 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

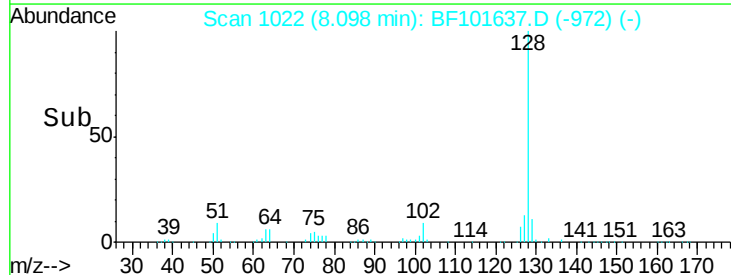
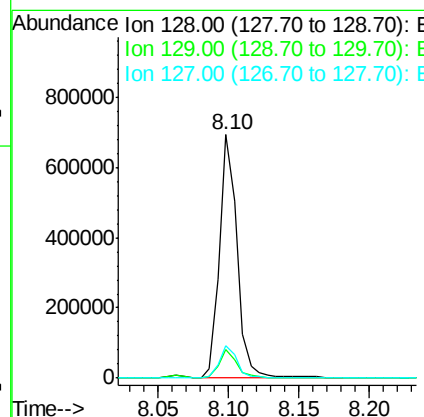
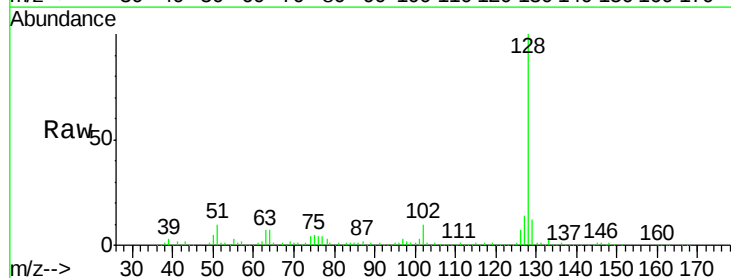
Instrument :
BNA_F
ClientSampled :

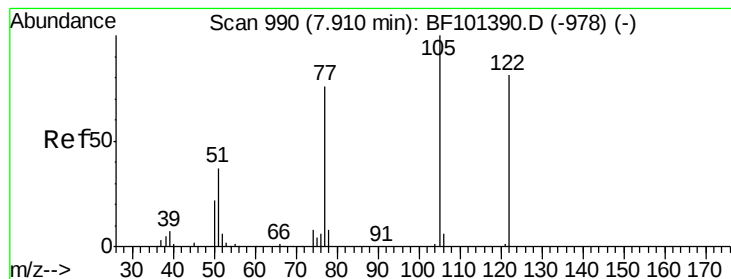
Tot Ion: 82 Resp: 38730
Ion Ratio Lower Upper
82 100
95 161.0 5.2 7.8#
138 7.7 14.9 22.3#



#31
Naphthalene
Concen: 23.796 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion: 128 Resp: 602706
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.5 10.9 16.3





#32

Benzoic acid

Concen: 8.858 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

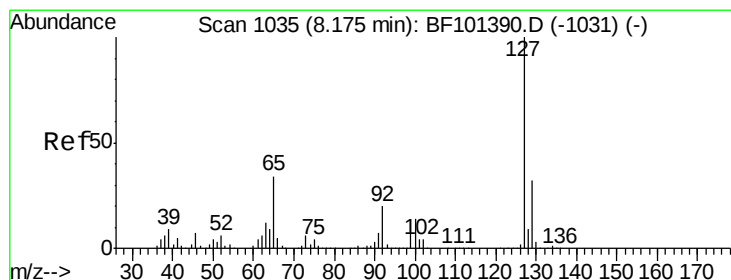
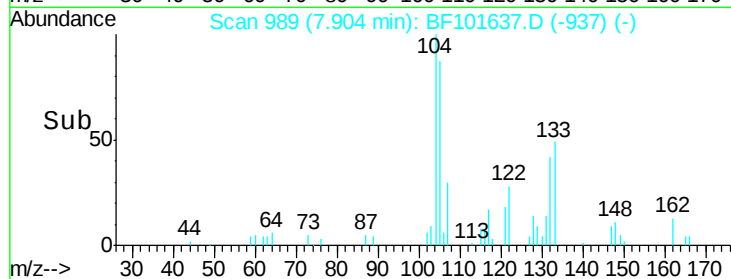
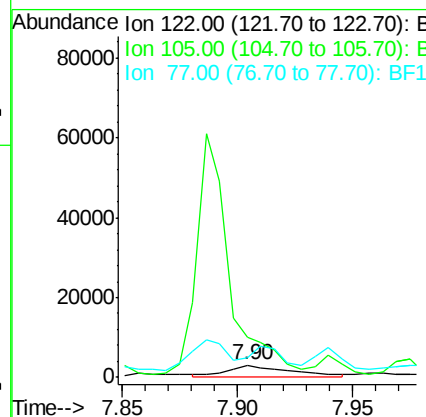
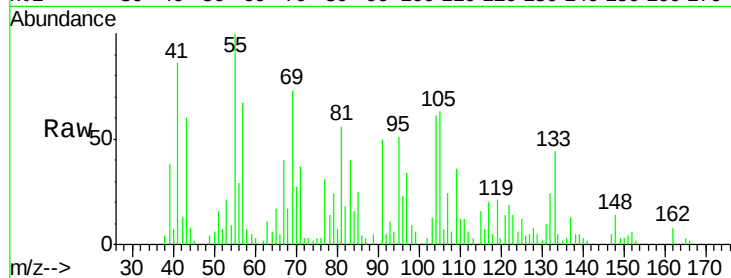
Tot Ion:122 Resp: 5290

Ion Ratio Lower Upper

122 100

105 326.5 101.1 141.1#

77 160.7 70.7 110.7#



#33

4-Chloroaniline

Concen: 7.461 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.06 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Tgt Ion:127 Resp: 82137

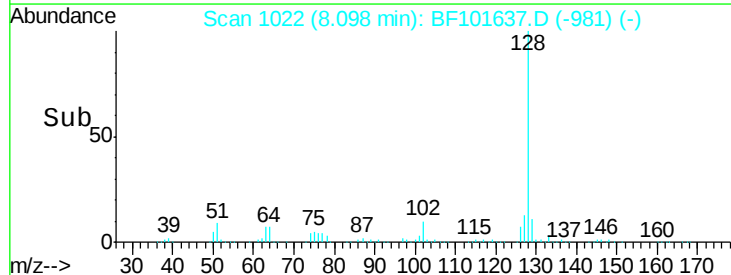
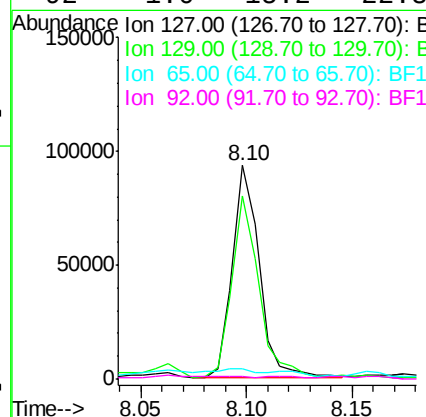
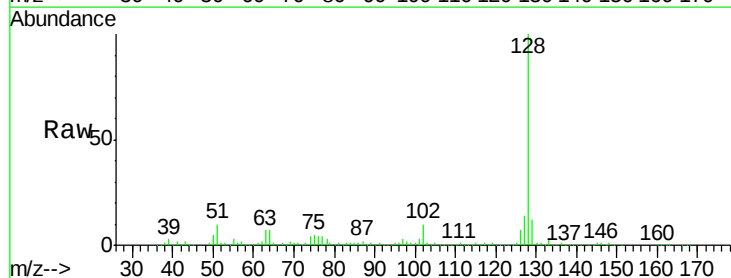
Ion Ratio Lower Upper

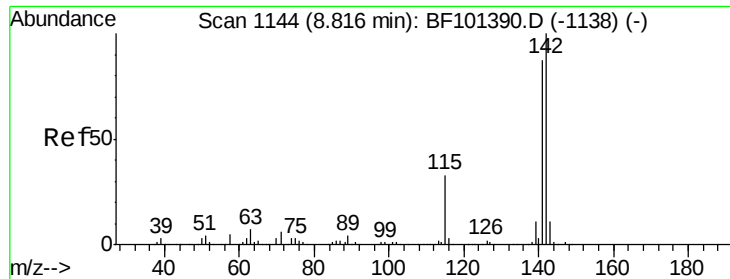
127 100

129 85.6 25.9 38.9#

65 5.0 25.0 37.4#

92 1.0 15.2 22.8#

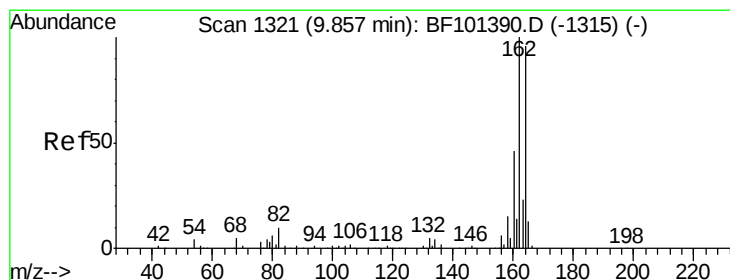
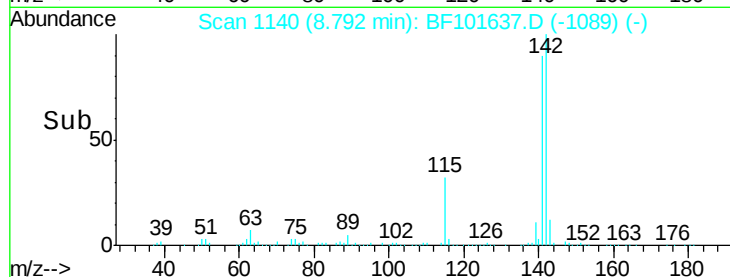
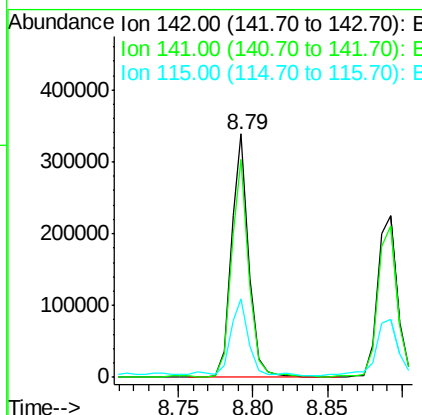
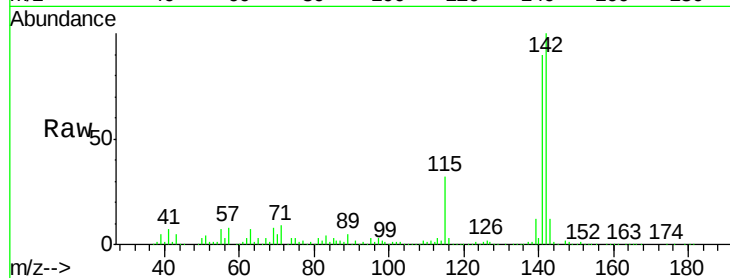




#37
 2-Methylnaphthalene
 Concen: 16.754 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

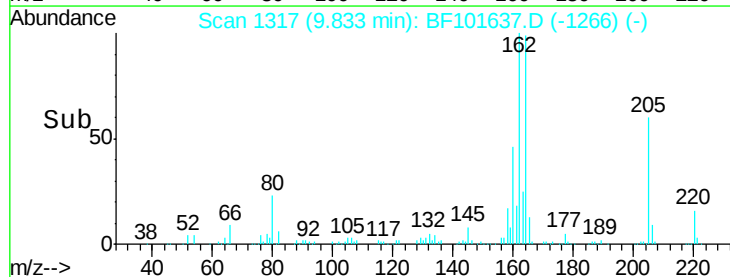
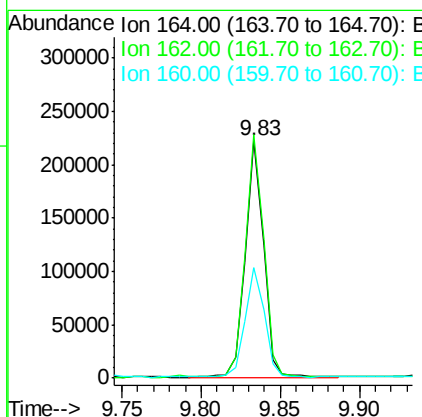
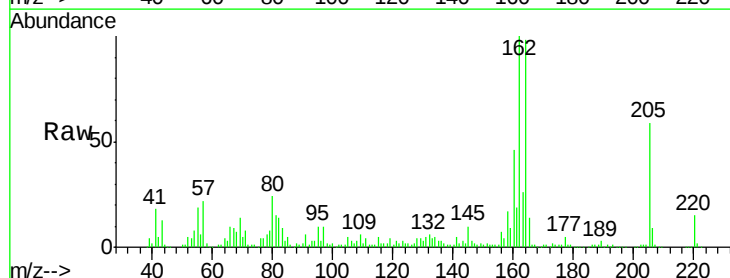
Instrument :
 BNA_F
 ClientSampleId :

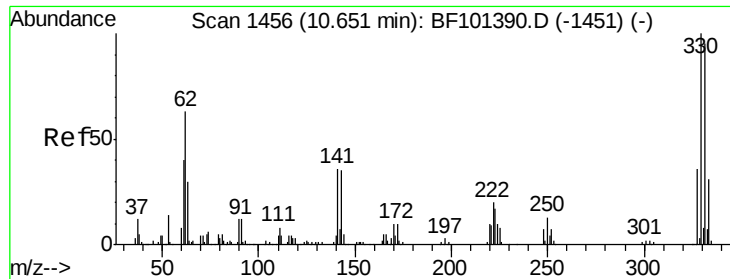
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	32.3	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	46.7	38.3	57.5

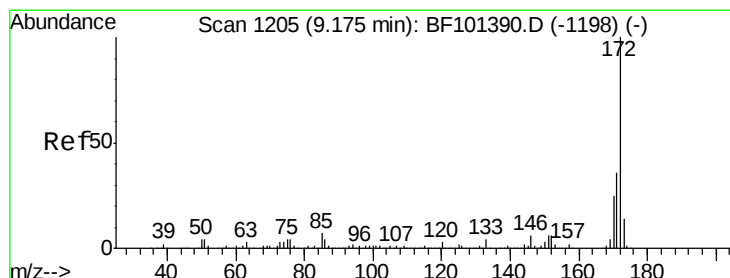
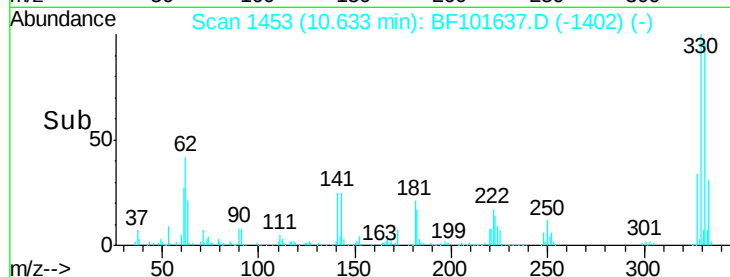
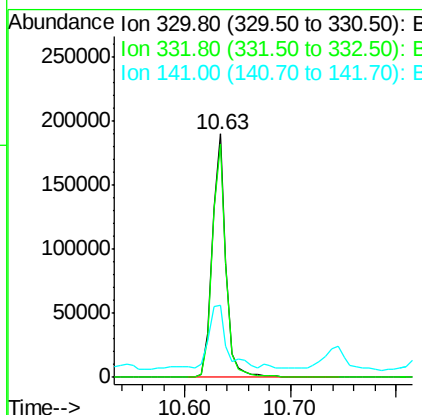
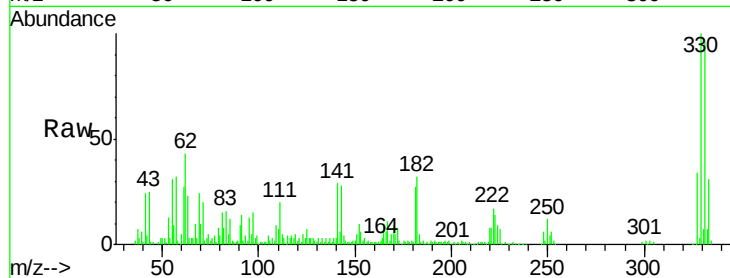




#41
 2,4,6-Tribromophenol
 Concen: 101.095 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

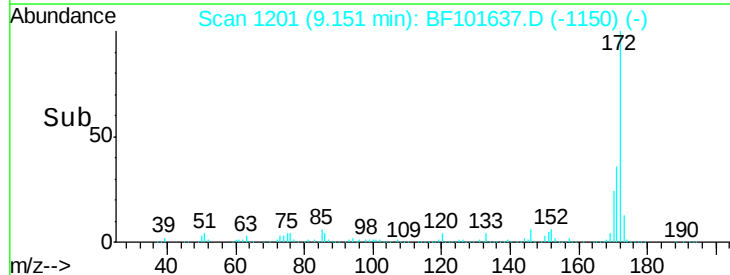
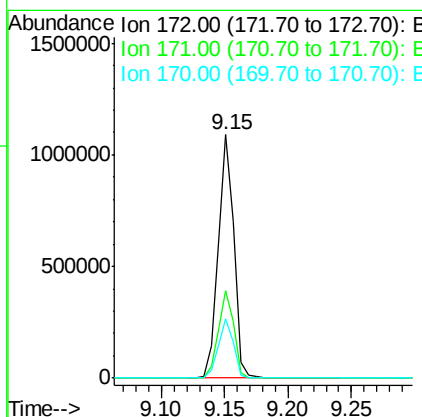
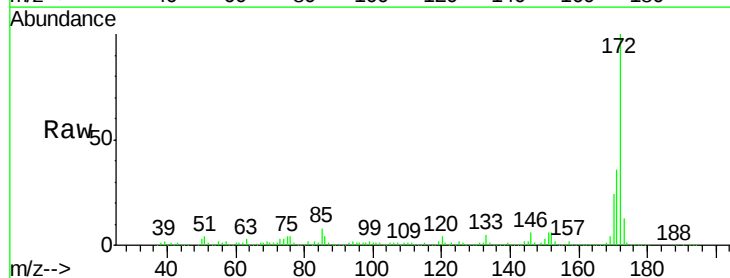
Instrument :
 BNA_F
 ClientSampleId :

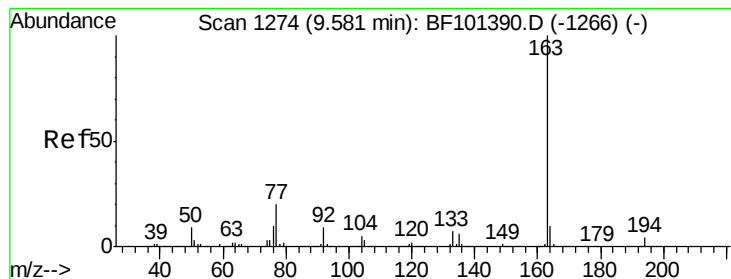
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 83.174 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 4.258 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

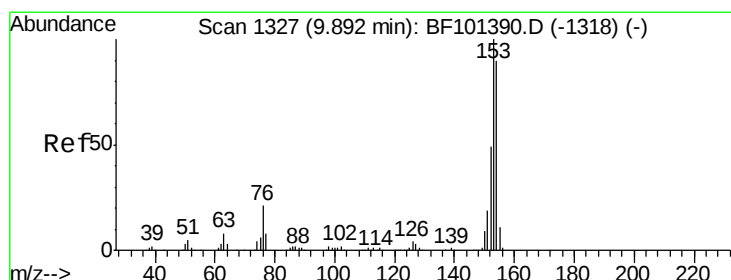
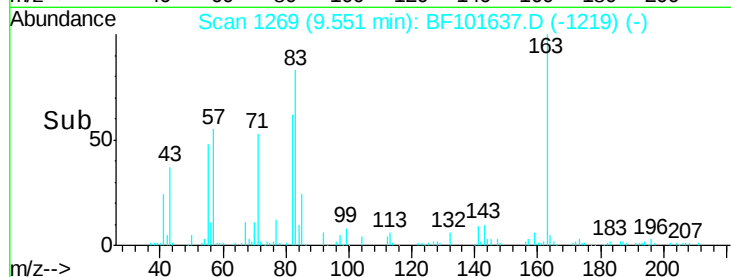
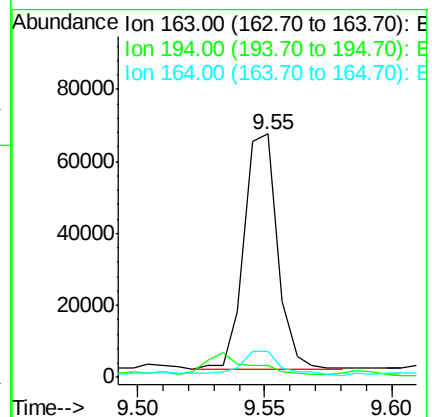
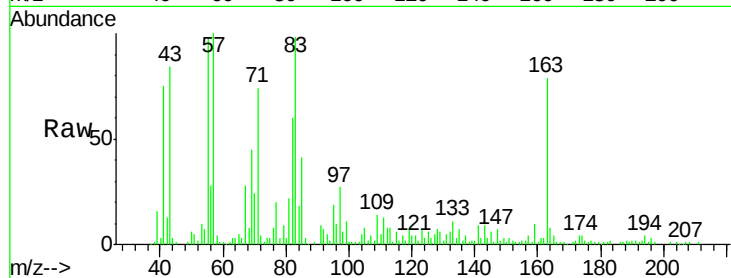
Tot Ion:163 Resp: 60736

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

164 10.7 8.2 12.2



#51

Acenaphthene

Concen: 25.002 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

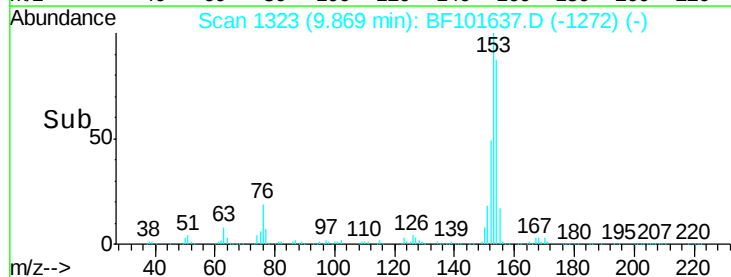
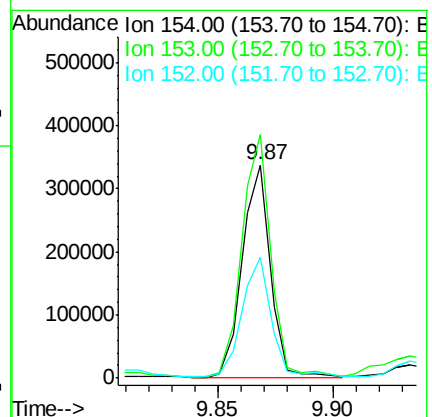
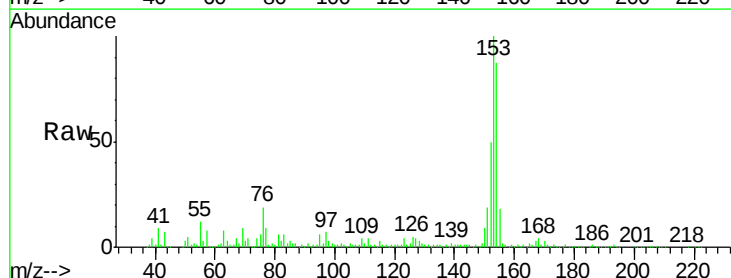
Tgt Ion:154 Resp: 285471

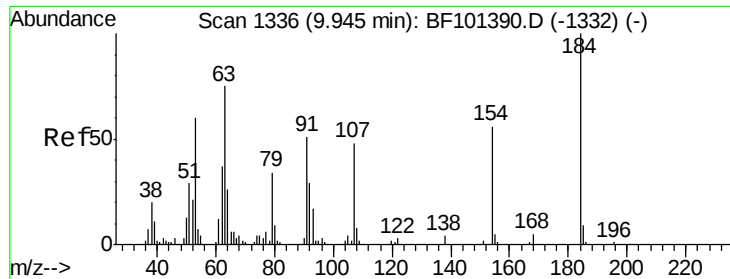
Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

152 56.6 43.8 65.8

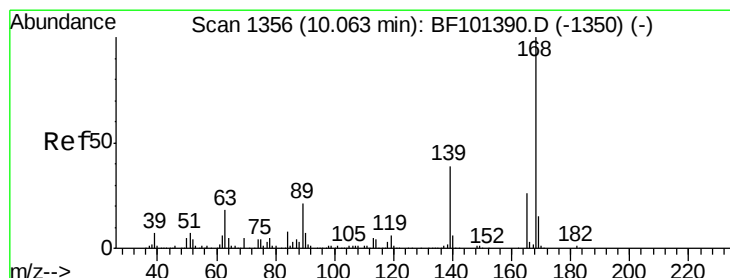
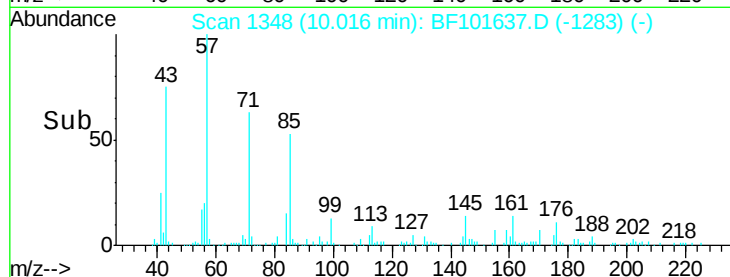
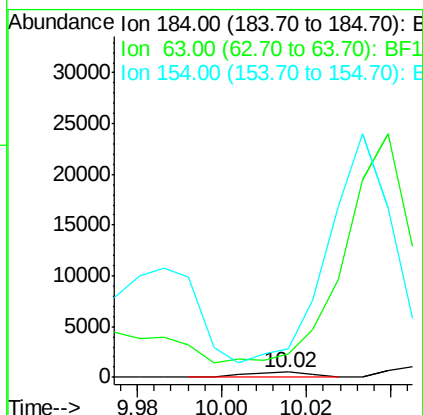
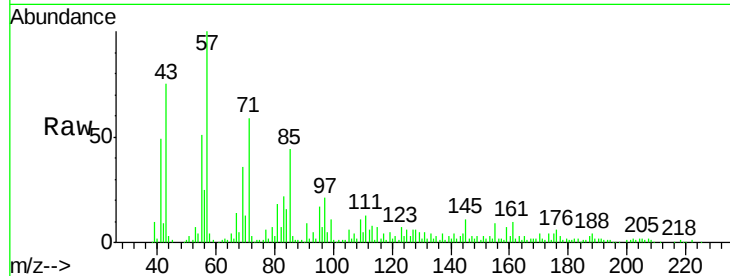




#53
2,4-Dinitrophenol
Concen: 10.790 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.08 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

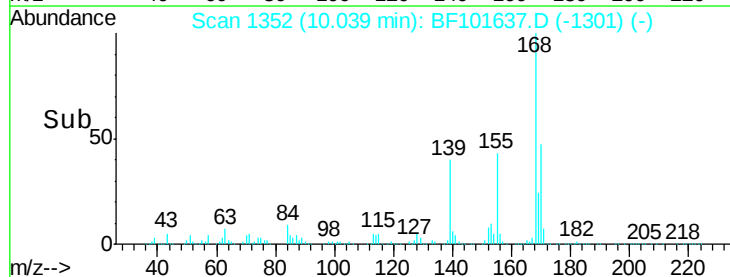
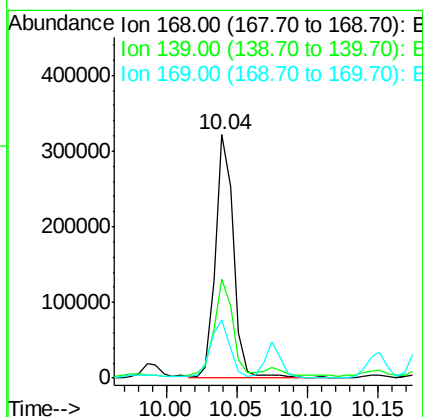
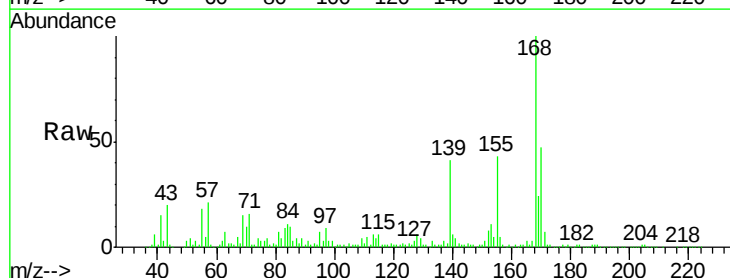
Instrument :
BNA_F
ClientSampleId :

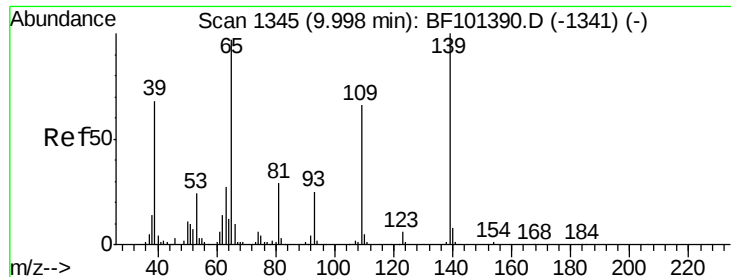
Tot Ion:184 Resp: 544
Ion Ratio Lower Upper
184 100
63 475.7 54.2 81.2#
154 576.5 184.0 276.0#



#54
Dibenzofuran
Concen: 19.475 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion:168 Resp: 282584
Ion Ratio Lower Upper
168 100
139 40.8 30.1 45.1
169 23.9 10.9 16.3#

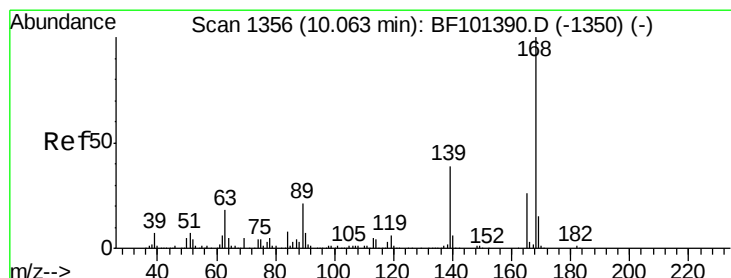
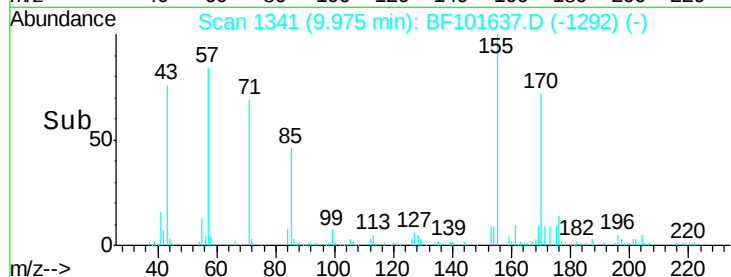
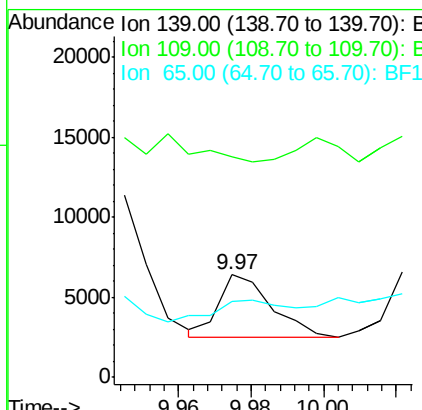
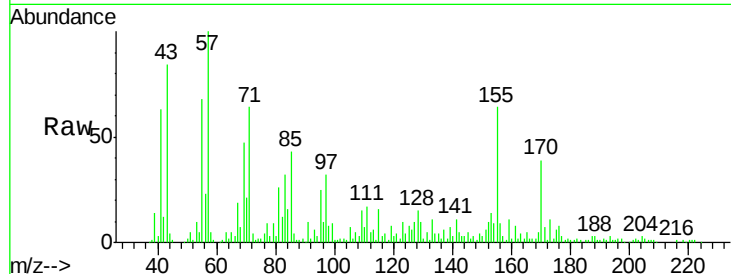




#55
4-Nitrophenol
Concen: 2.531 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

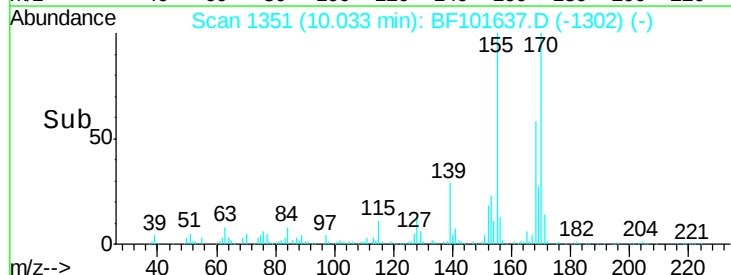
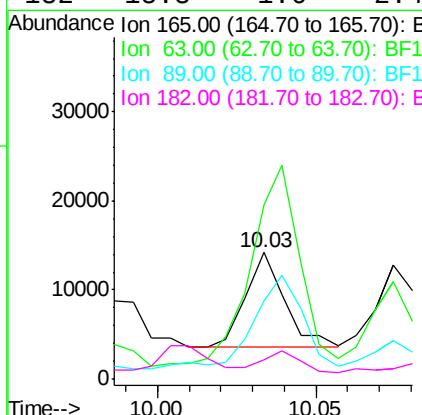
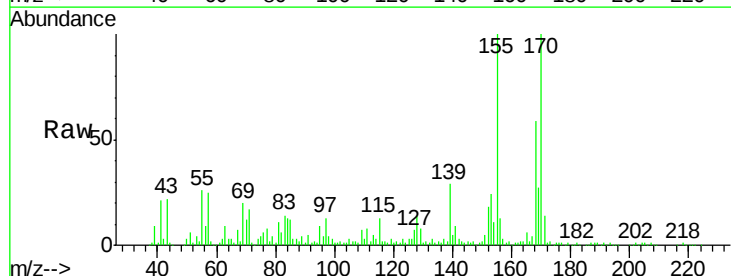
Instrument :
BNA_F
ClientSampleId :

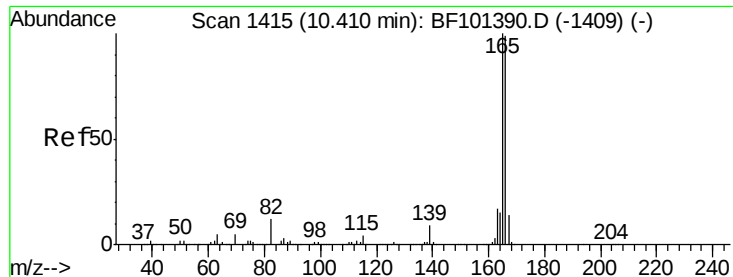
Tot Ion:139 Resp: 3989
Ion Ratio Lower Upper
139 100
109 215.2 48.4 88.4#
65 73.8 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 2.761 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion:165 Resp: 9017
Ion Ratio Lower Upper
165 100
63 137.8 36.4 54.6#
89 61.6 57.8 86.6
182 15.8 1.6 2.4#

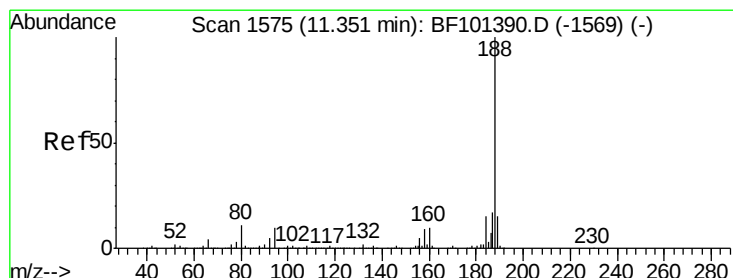
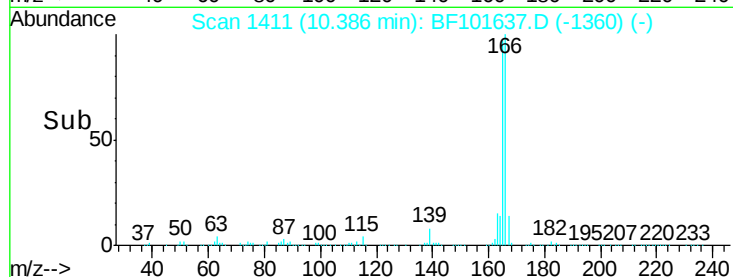
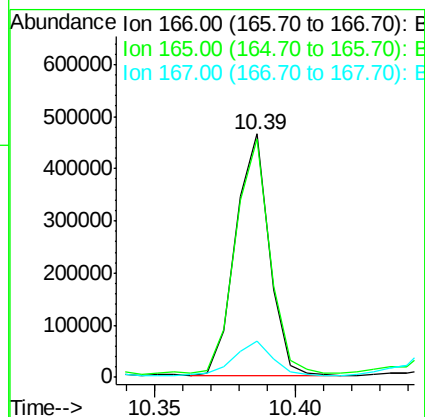
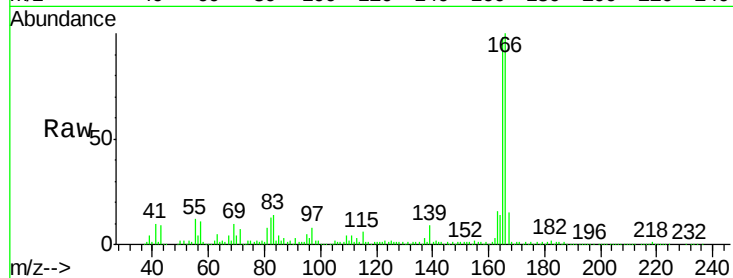




#57
Fluorene
 Concen: 31.229 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

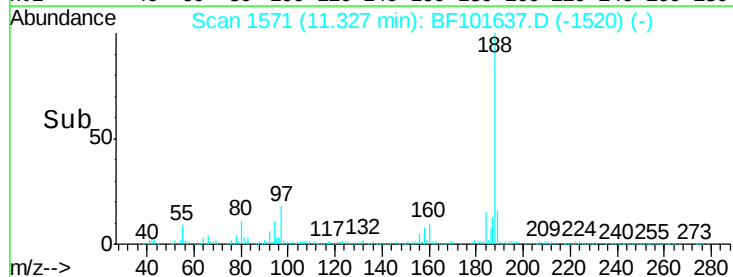
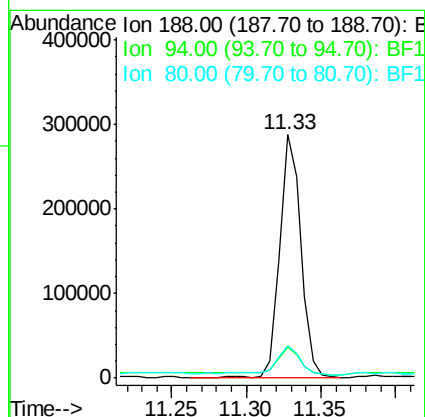
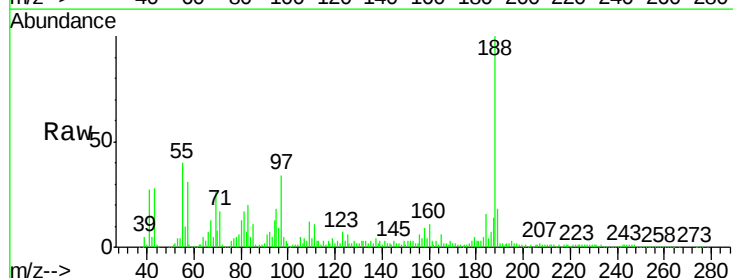
Instrument :
 BNA_F
 ClientSampleId :

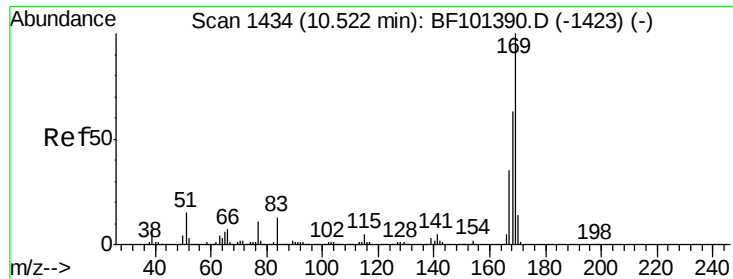
Tot Ion:166 Resp: 383326
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.8 119.8
 167 14.8 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Tgt Ion:188 Resp: 283843
 Ion Ratio Lower Upper
 188 100
 94 12.6 8.5 12.7
 80 13.2 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 7.097 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

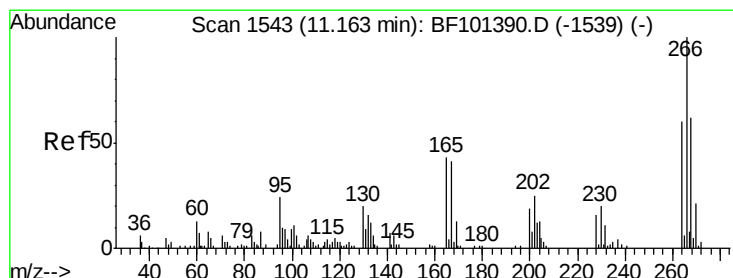
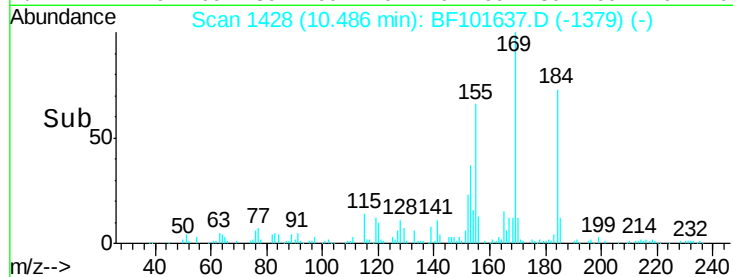
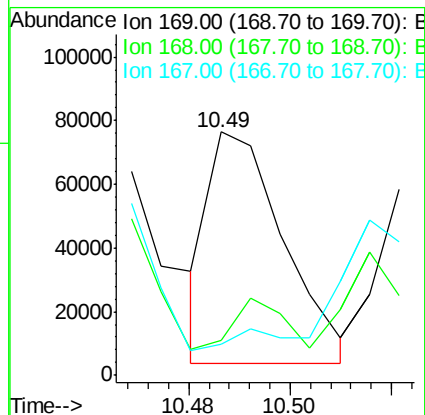
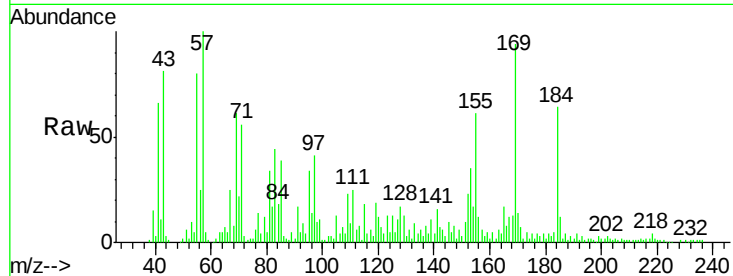
Tot Ion:169 Resp: 74385

Ion Ratio Lower Upper

169 100

168 14.2 54.4 81.6#

167 12.6 29.8 44.6#



#69

Pentachlorophenol

Concen: 7.025 ng

RT: 11.15 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

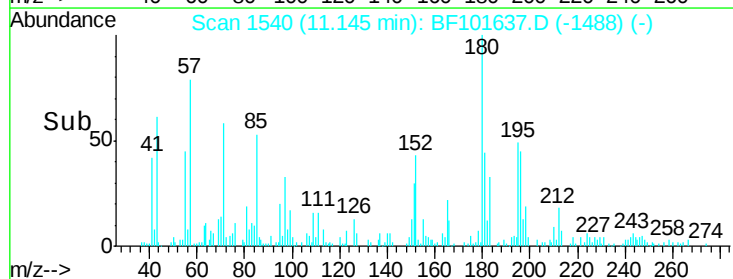
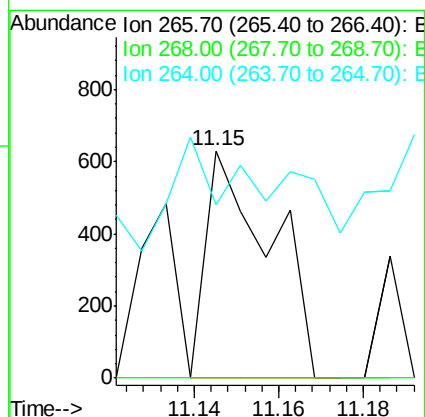
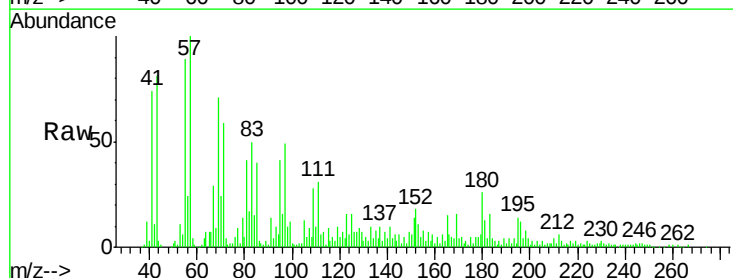
Tgt Ion:266 Resp: 669

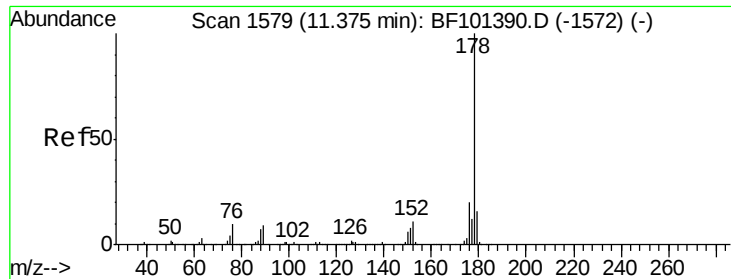
Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

264 76.2 49.5 74.3#





#70

Phenanthrene

Concen: 119.039 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

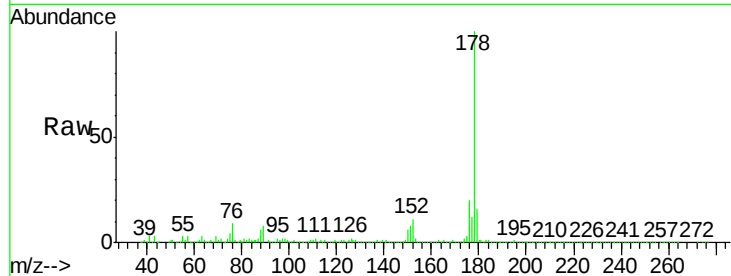
Tot Ion:178 Resp: 1879021

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

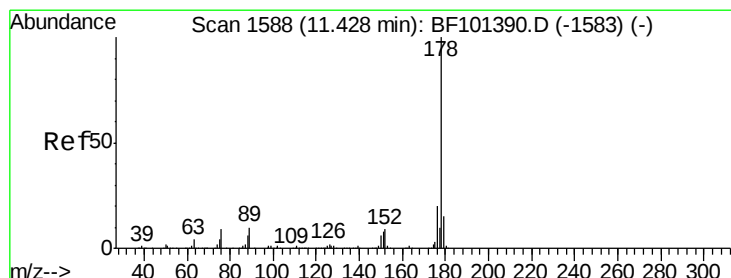
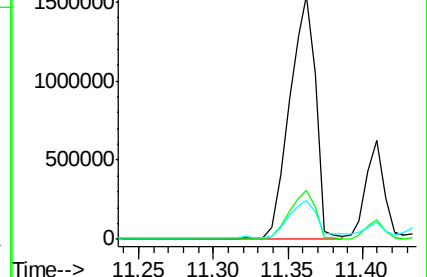
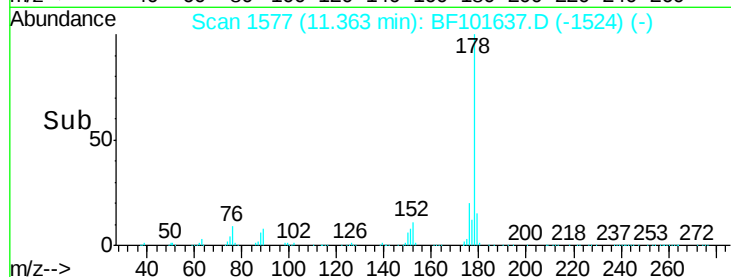
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 30.515 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

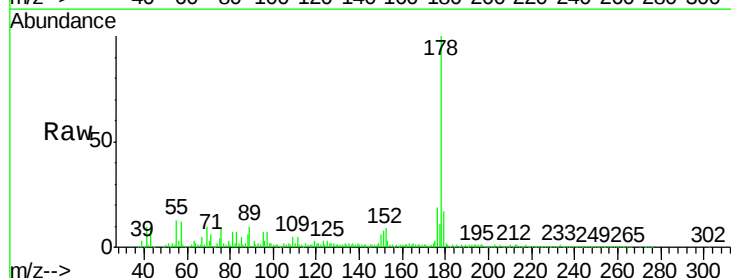
Tgt Ion:178 Resp: 492023

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

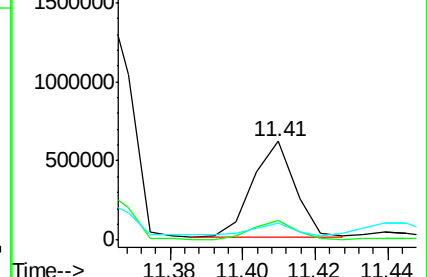
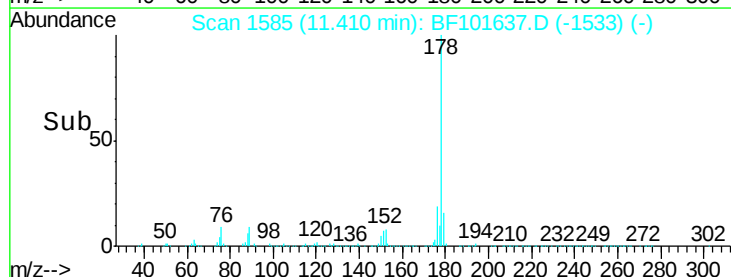
179 17.3 12.6 19.0

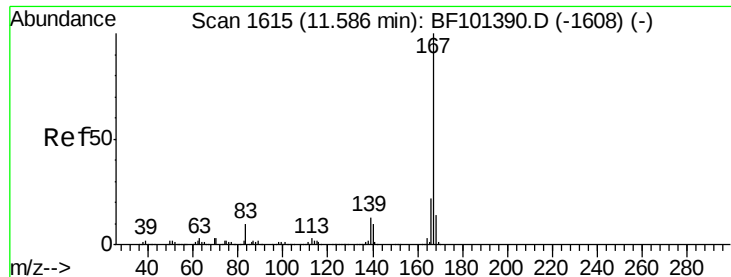


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 14.782 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

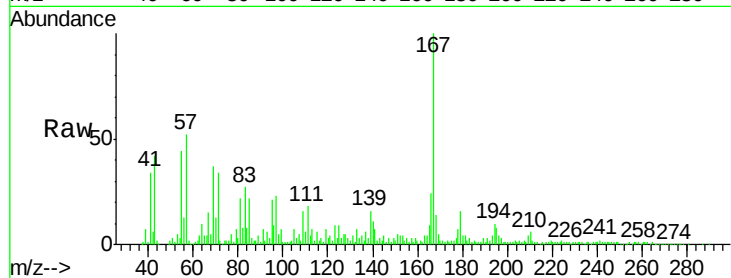
Tot Ion:167 Resp: 223151

Ion Ratio Lower Upper

167 100

166 24.2 17.6 26.4

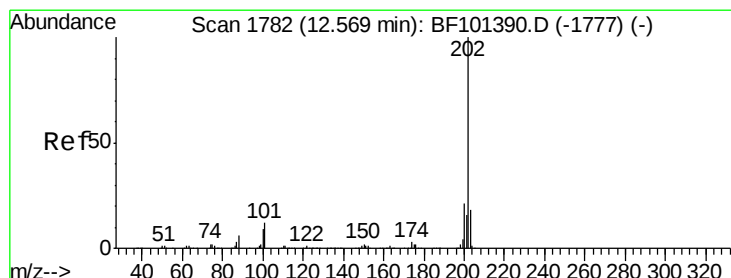
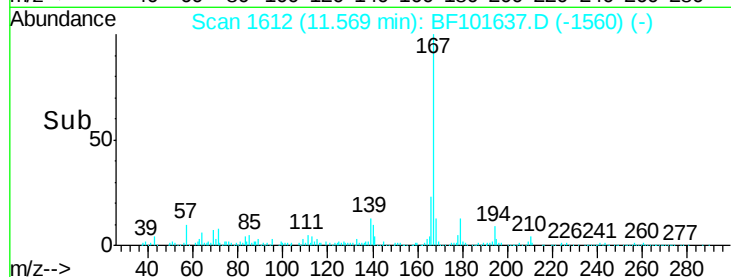
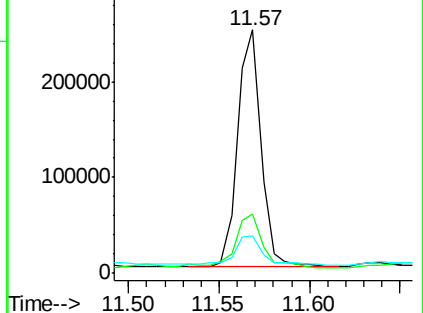
139 15.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 95.591 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.04 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

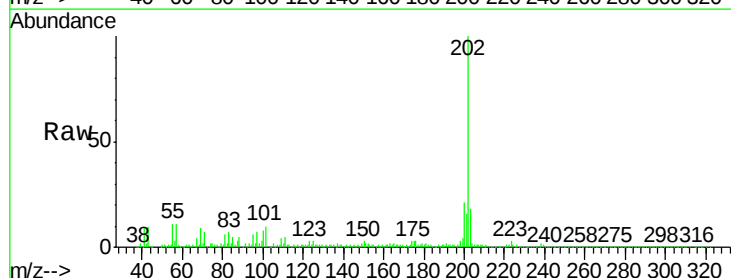
Tgt Ion:202 Resp: 1583800

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

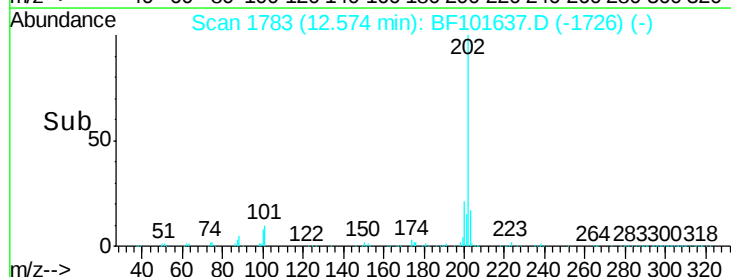
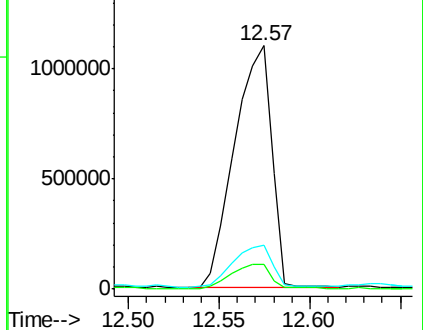
203 17.8 0.0 38.1

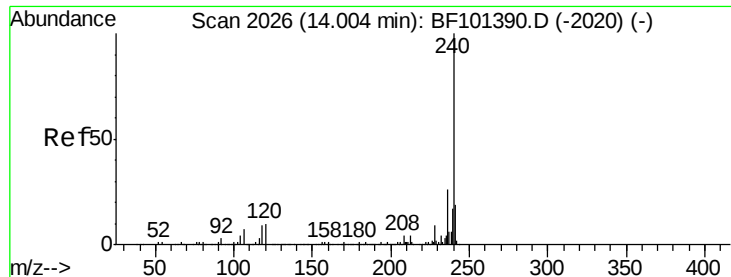


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.07 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

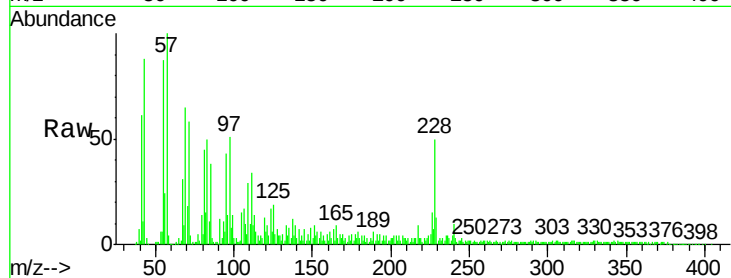
Tot Ion:240 Resp: 59090

Ion Ratio Lower Upper

240 100

120 53.5 9.5 14.3#

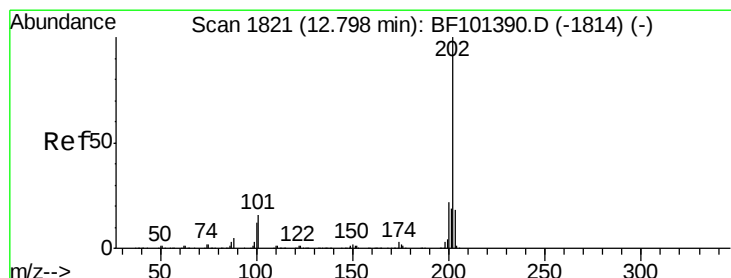
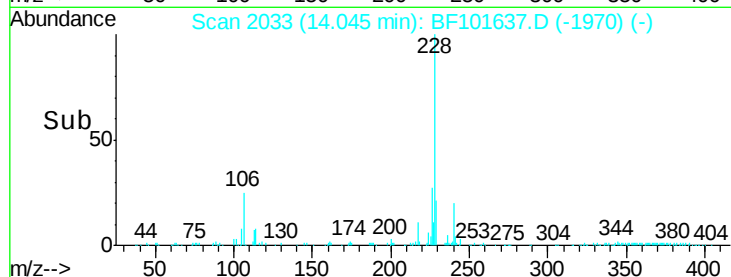
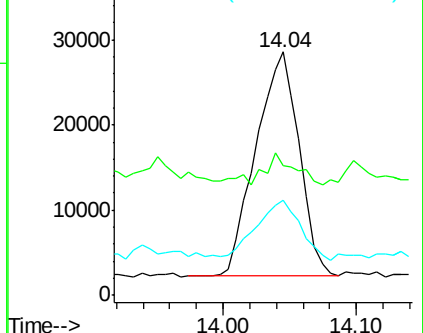
236 39.0 20.7 31.1#



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

Pyrene

Concen: 270.942 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.04 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

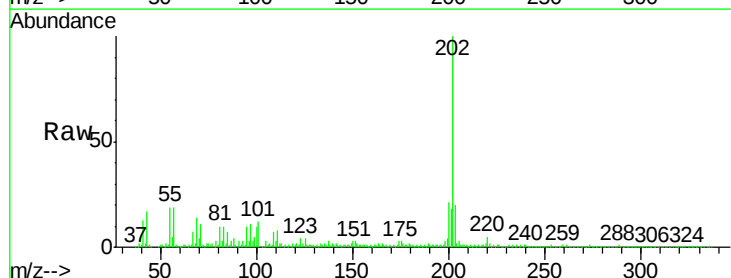
Tgt Ion:202 Resp: 1201543

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

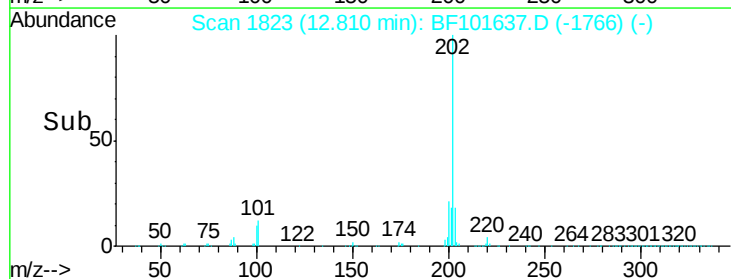
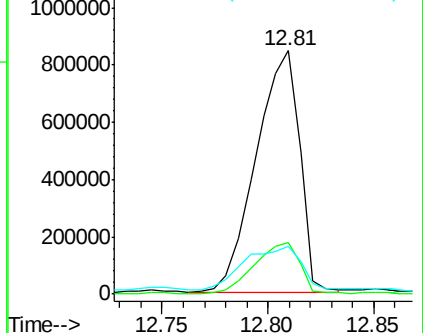
203 19.8 14.3 21.5

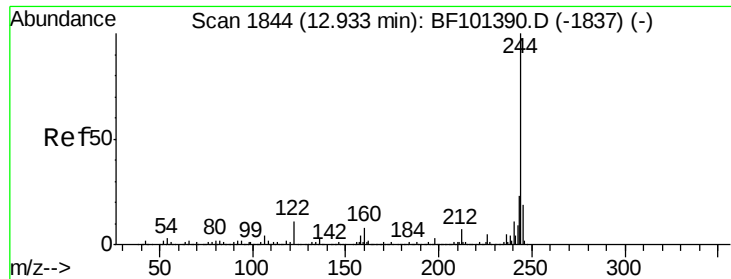


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 160.573 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.02 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

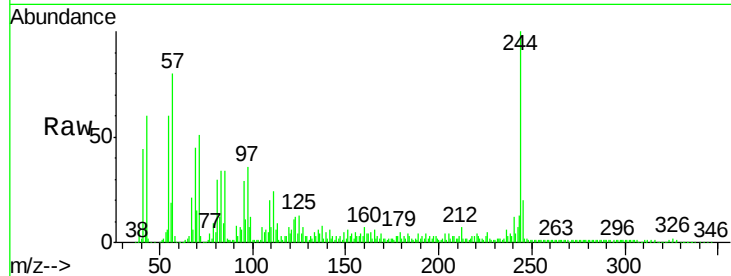
Tot Ion:244 Resp: 393577

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

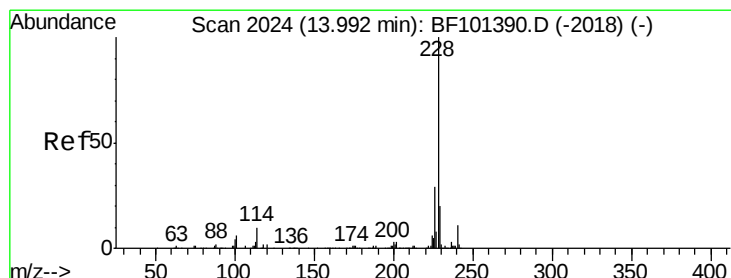
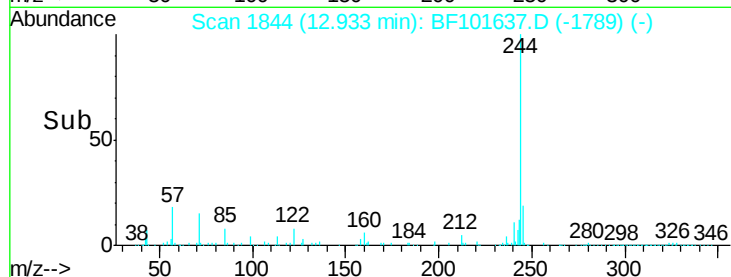
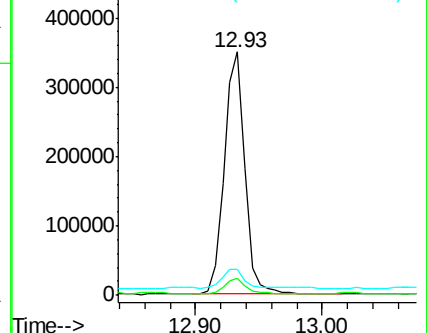
122 10.7 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 96.352 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.08 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

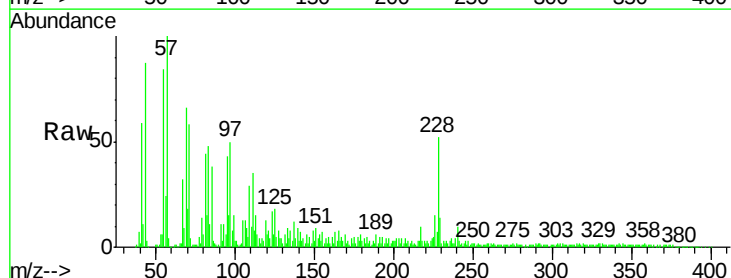
Tgt Ion:228 Resp: 375947

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

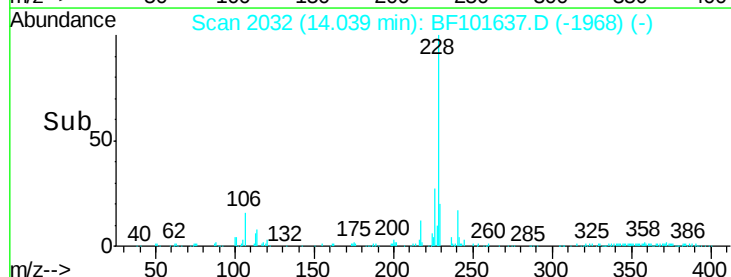
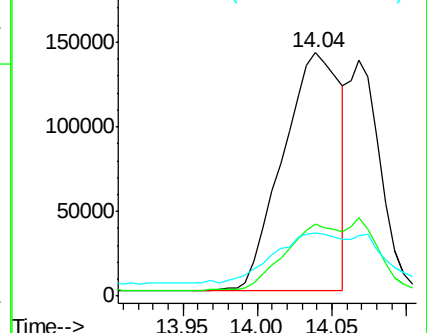
229 26.0 15.8 23.6#

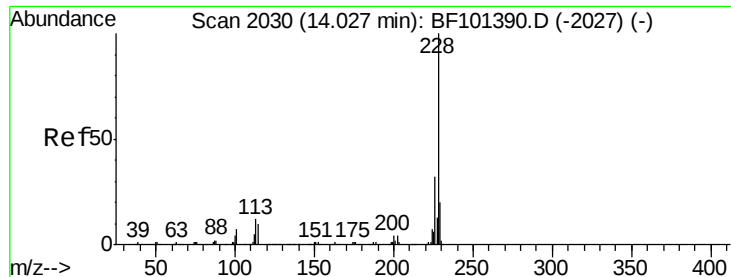


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 102.048 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.04 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

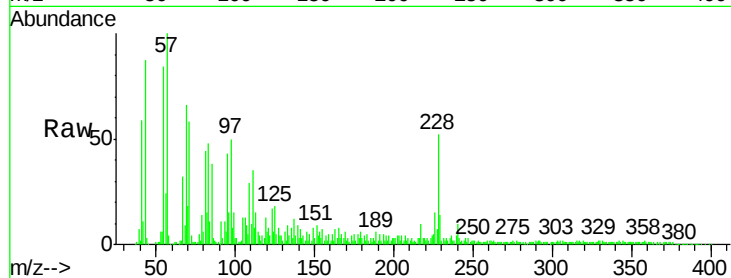
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 375947

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	26.0	16.2	24.4

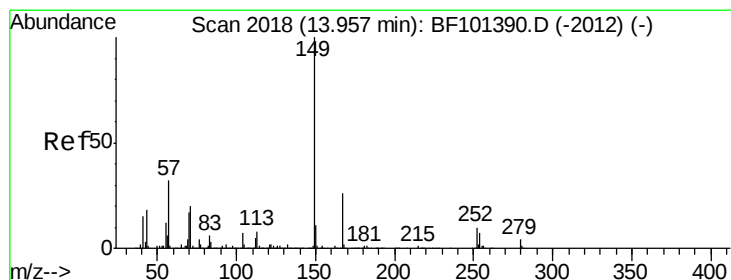
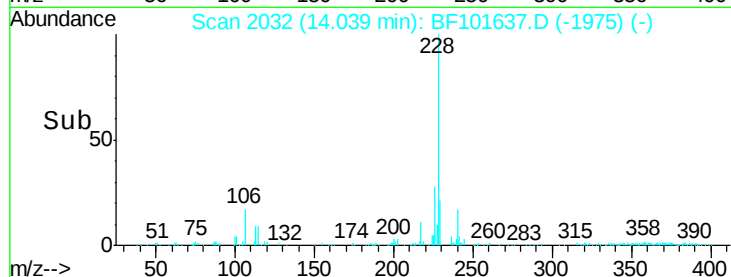
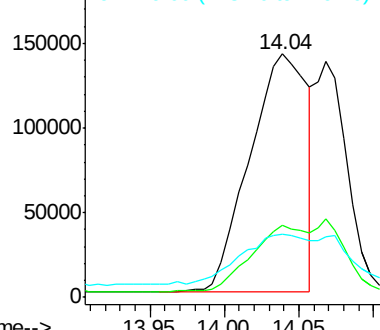


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 15.966 ng

RT: 13.98 min Scan# 2022

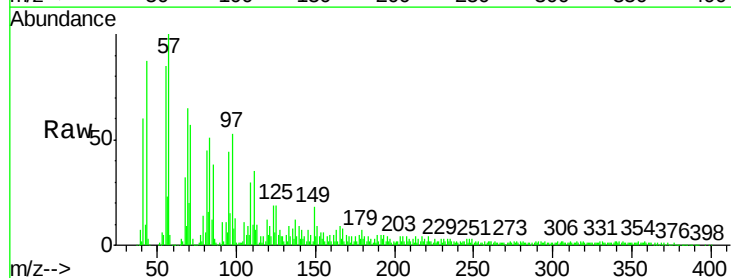
Delta R.T. 0.05 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Tgt Ion:149 Resp: 40578

Ion	Ratio	Lower	Upper
149	100		
167	42.0	21.3	31.9
279	10.1	3.0	4.4

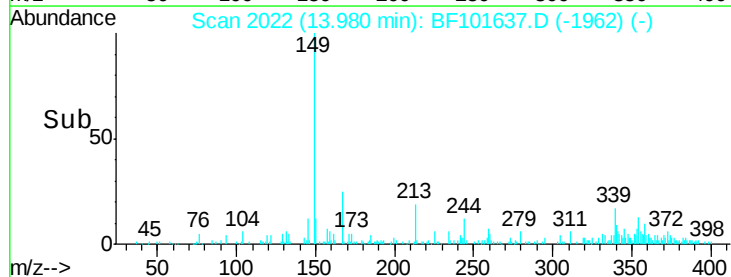
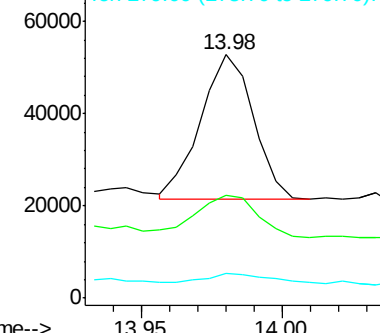


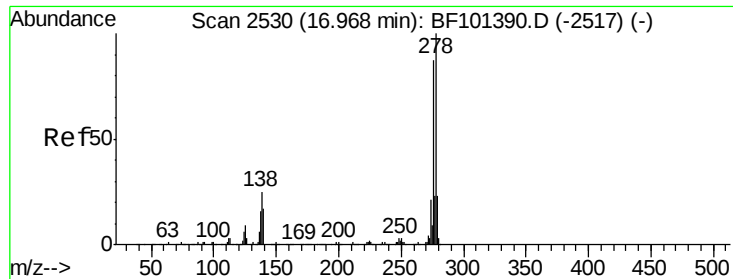
Abundance

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

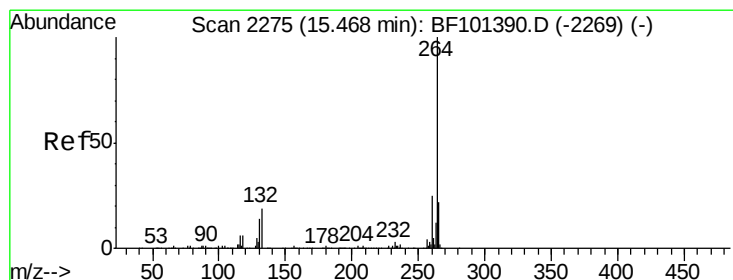
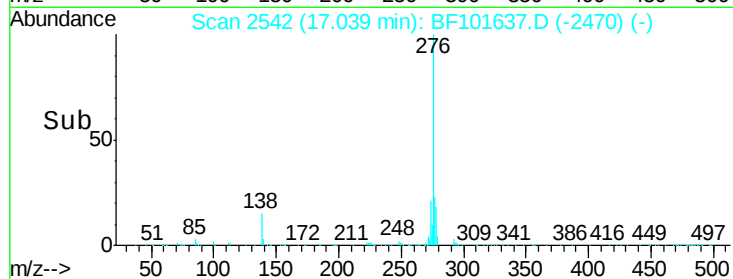
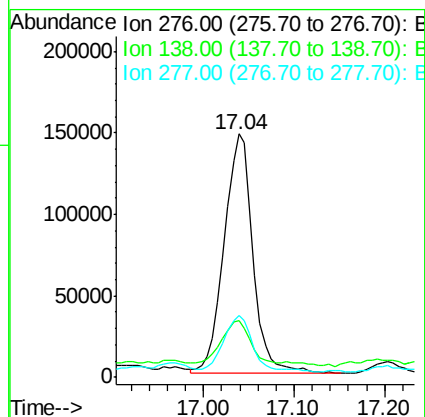
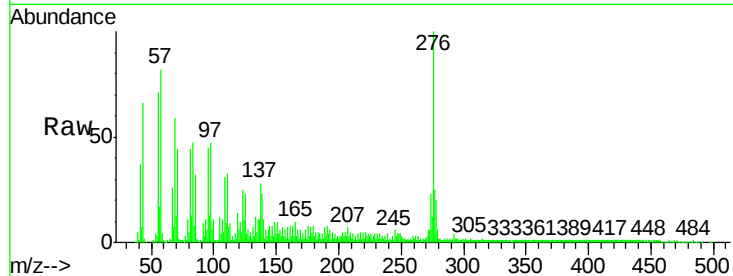




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 99.653 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.12 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

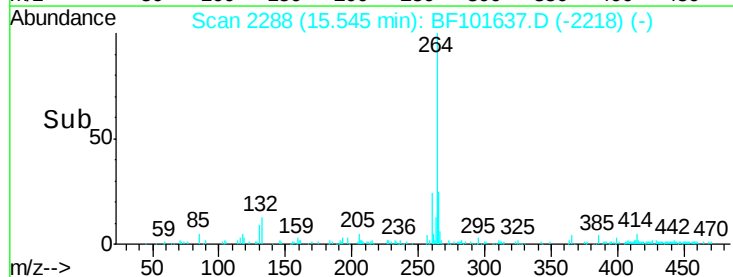
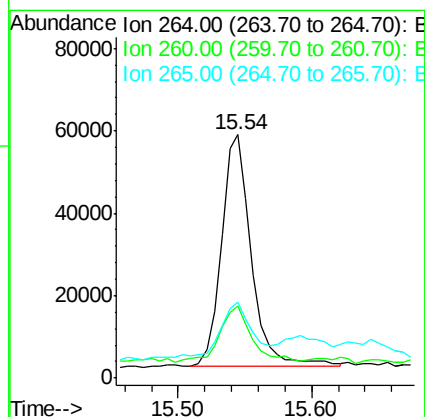
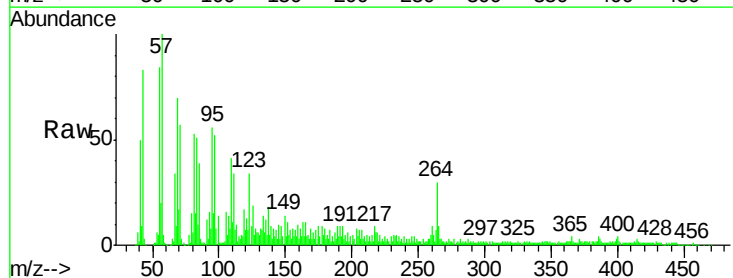
Instrument :
 BNA_F
 ClientSampleId :

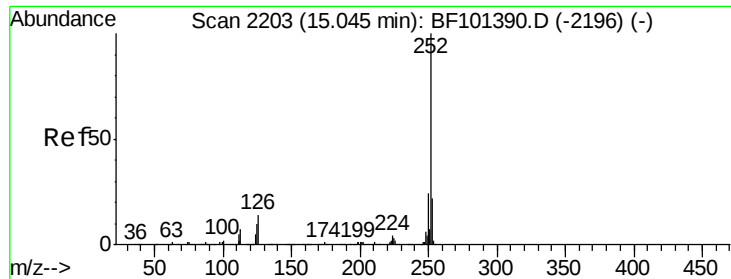
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	25.0	37.6#
277	24.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.11 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.6	19.2	28.8#
265	31.3	17.5	26.3#

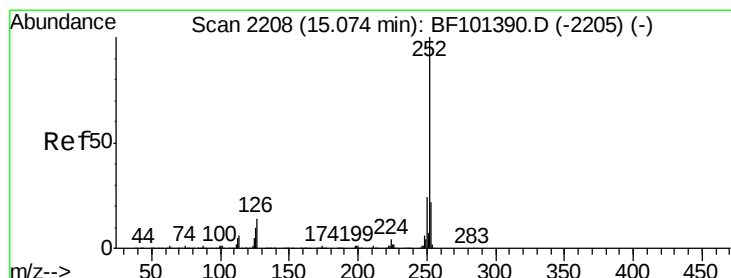
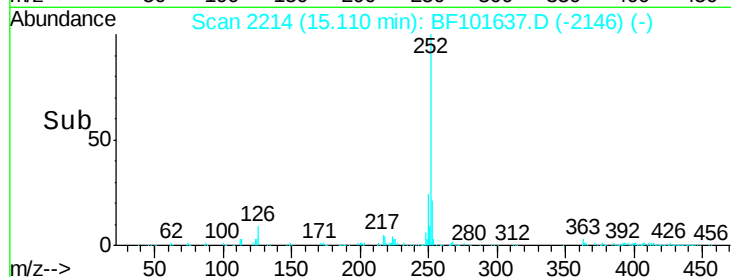
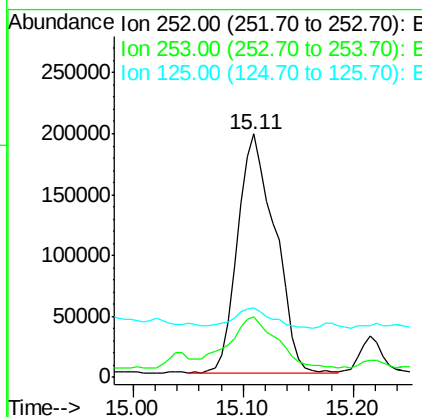
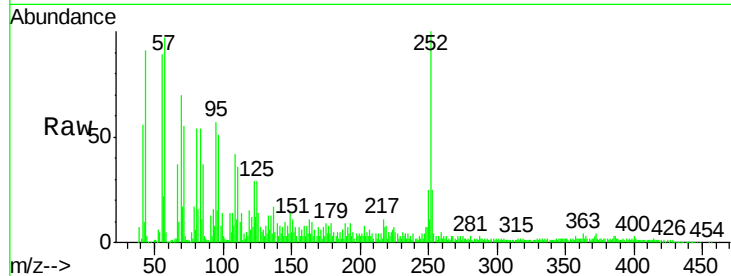




#87
Benzo(b)fluoranthene
Concen: 88.590 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.10 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

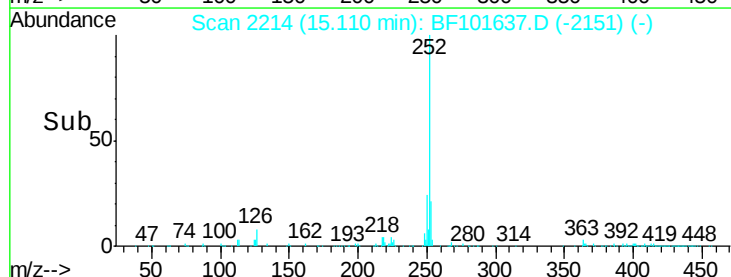
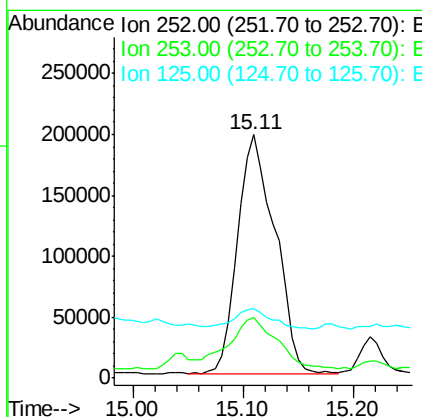
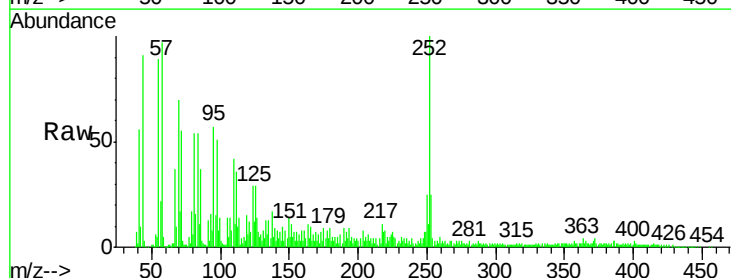
Instrument :
BNA_F
ClientSampled :

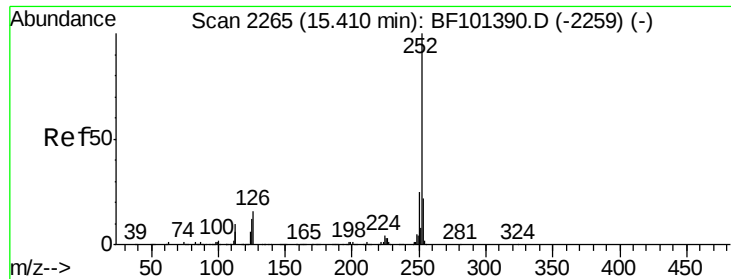
Tot Ion:252 Resp: 469219
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 28.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 91.117 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.07 min
Lab File: BF101637.D
Acq: 22 Dec 2017 6:14

Tgt Ion:252 Resp: 469219
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 28.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 54.468 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.11 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

Instrument :

BNA_F

ClientSampleId :

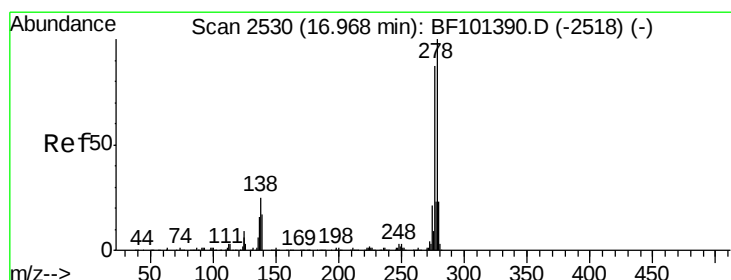
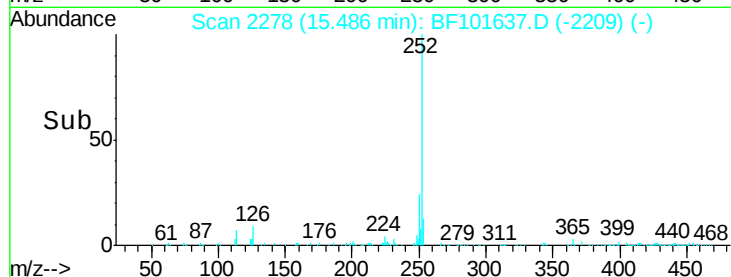
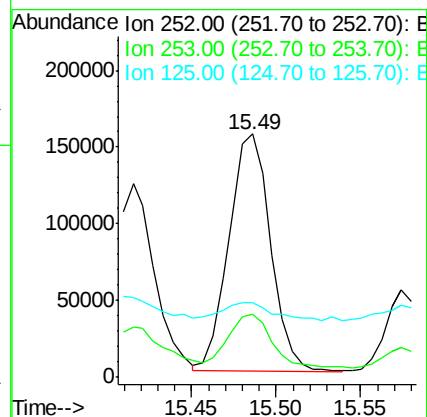
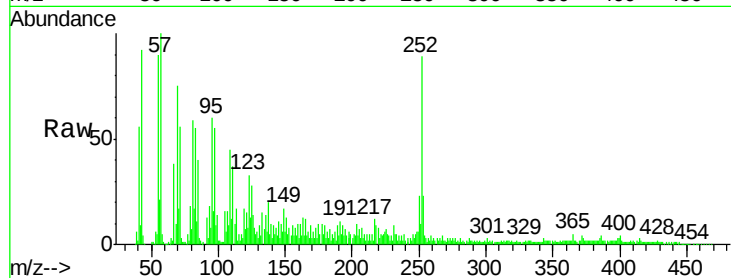
Tot Ion:252 Resp: 265946

Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

125 30.9 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 17.850 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.12 min

Lab File: BF101637.D

Acq: 22 Dec 2017 6:14

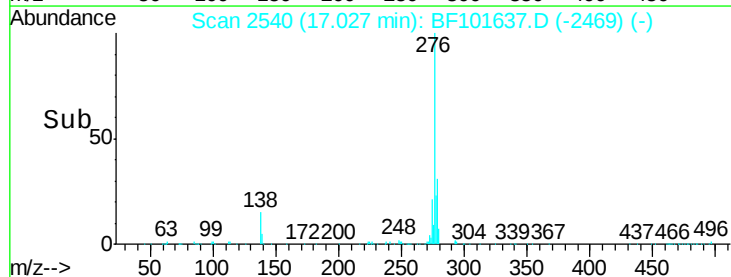
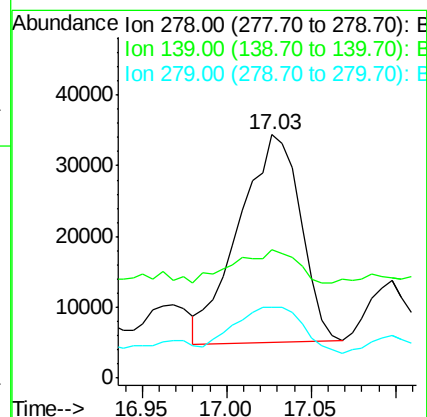
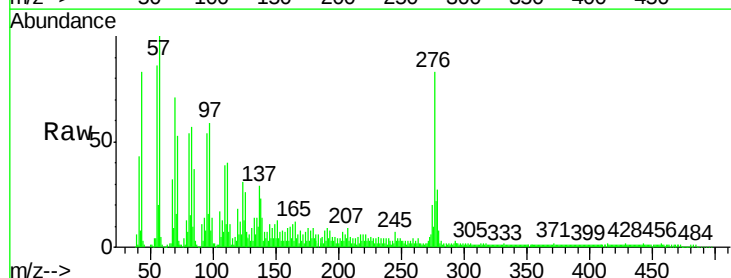
Tgt Ion:278 Resp: 74832

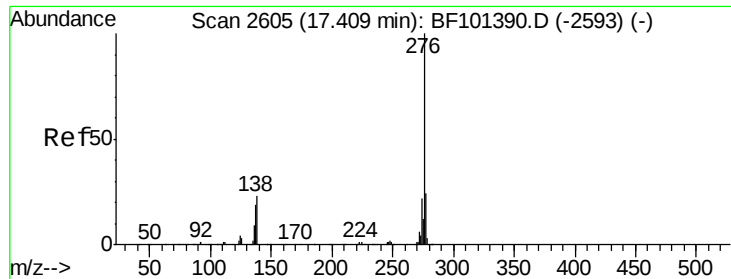
Ion Ratio Lower Upper

278 100

139 52.8 15.9 23.9#

279 29.0 19.0 28.4#

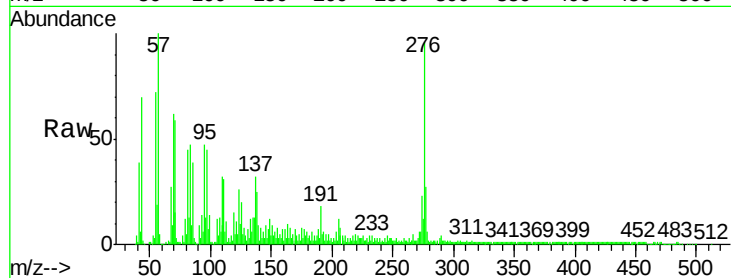




#91
 Benzo(a,h,i)perylene
 Concen: 75.825 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. 0.15 min
 Lab File: BF101637.D
 Acq: 22 Dec 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9
138	25.8	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

