

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102155.D
 Acq On : 17 Jan 2018 17:39
 Operator : SJ/JU
 Sample : J1152-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 01:07:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	135185	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	463019	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	170539	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	236470	20.00	ng	0.00
75) Chrysene-d12	13.87	240	243056	20.00	ng	0.00
86) Perylene-d12	15.28	264	277817	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	885610	92.51	ng	0.01
7) Phenol-d6	6.36	99	1040625	91.11	ng	0.00
23) Nitrobenzene-d5	7.29	82	635741	80.69	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	149525	100.47	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	852337	78.08	ng	0.00
78) Terphenyl-d14	12.82	244	574455	49.07	ng	0.00

Target Compounds

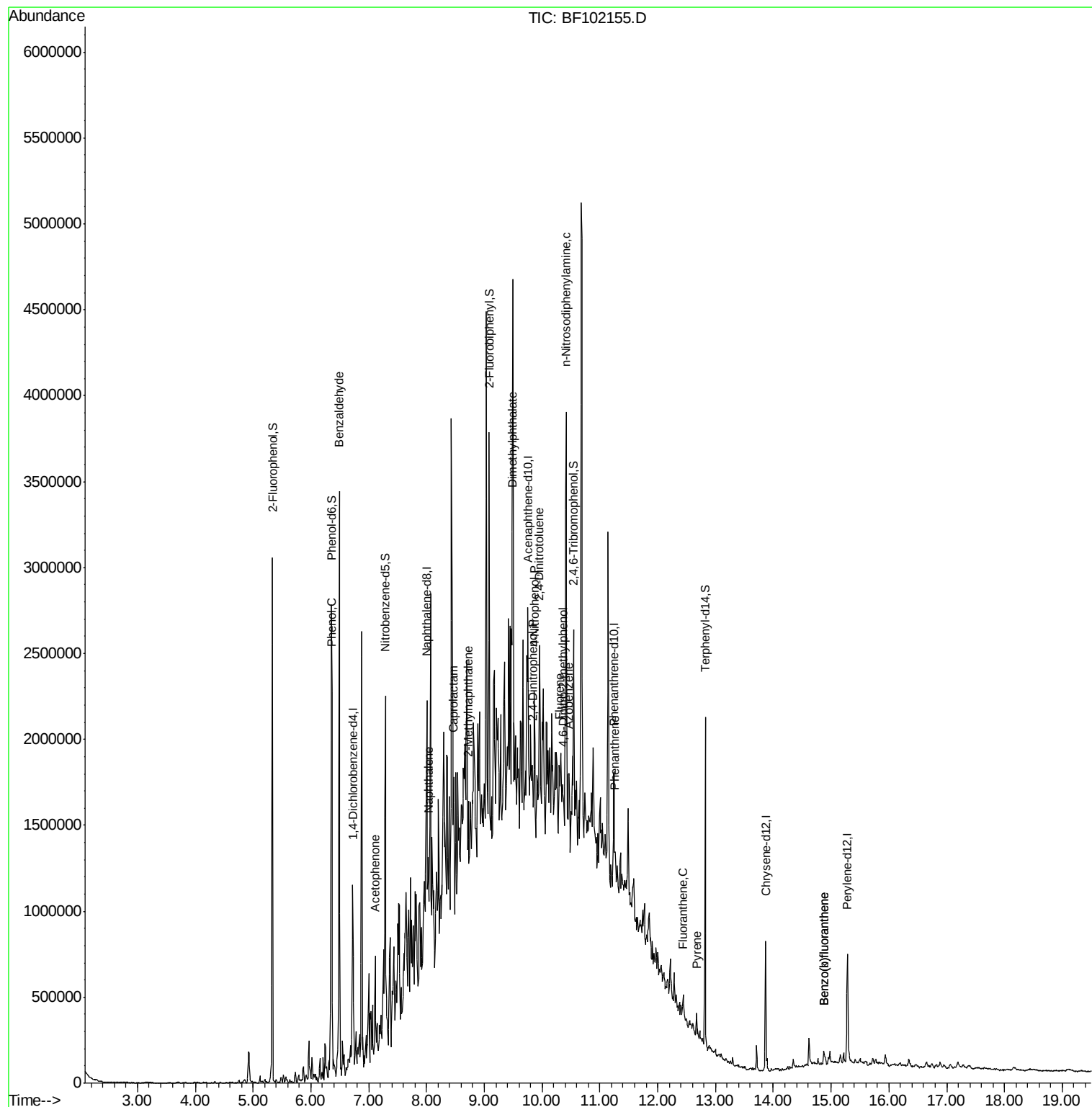
						Qvalue
9) Benzaldehyde	6.49	77	22113	2.788	ng	85
10) Phenol	6.37	94	50231	3.891	ng	99
22) Acetophenone	7.12	105	46640	4.181	ng	# 55
31) Naphthalene	8.03	128	48791	2.109	ng	# 82
35) Caprolactam	8.47	113	9730	4.510	ng	# 1
37) 2-Methylnaphthalene	8.72	142	123218	8.090	ng	99
49) Dimethylphthalate	9.47	163	105344	7.700	ng	# 91
53) 2,4-Dinitrophenol	9.83	184	270	8.888	ng	# 1
55) 4-Nitrophenol	9.86	139	14166	5.512	ng	# 19
56) 2,4-Dinitrotoluene	9.96	165	12139	3.544	ng	# 59
57) Fluorene	10.30	166	26472	2.478	ng	# 73
62) Azobenzene	10.47	77	38096	2.814	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	1444	6.654	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	67303	7.601	ng	# 47
70) Phenanthrene	11.26	178	72964	5.282	ng	# 94
74) Fluoranthene	12.44	202	50349	3.705	ng	98
77) Pyrene	12.67	202	47173	2.196	ng	99
87) Benzo(b)fluoranthene	14.87	252	49305	2.722	ng	# 90
88) Benzo(k)fluoranthene	14.87	252	49305	2.822	ng	# 93

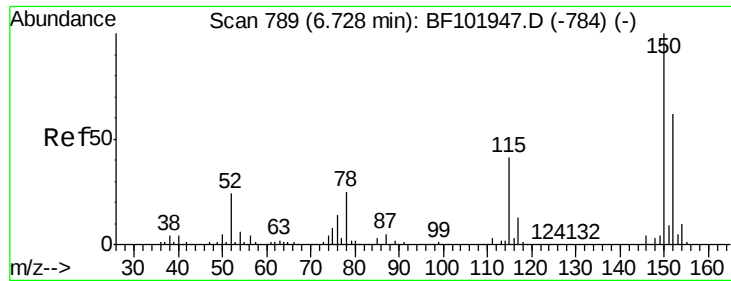
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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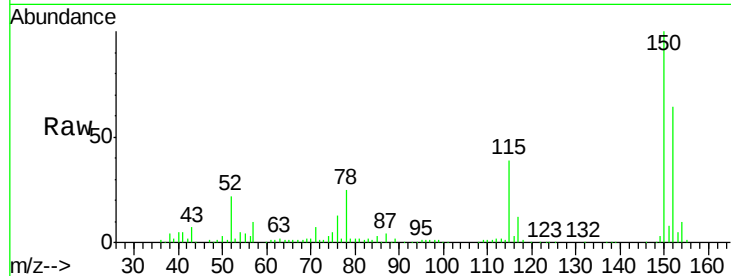


#1

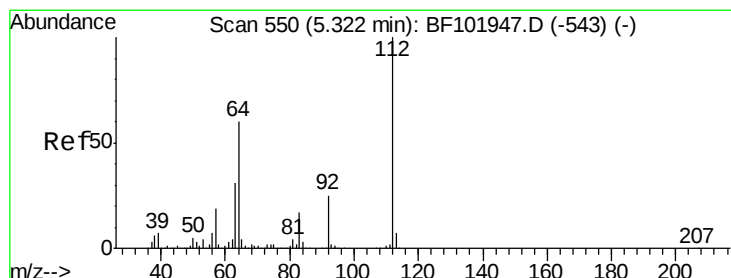
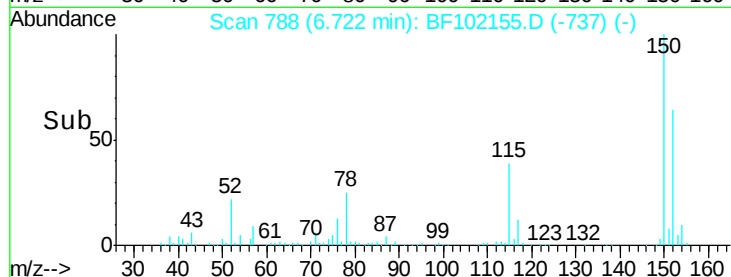
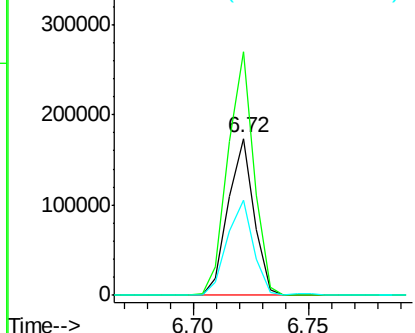
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135185
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.8 50.1 75.1



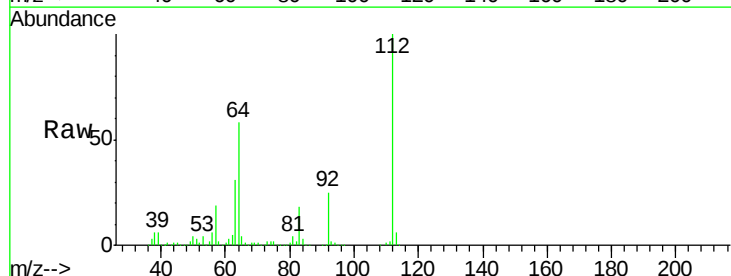
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



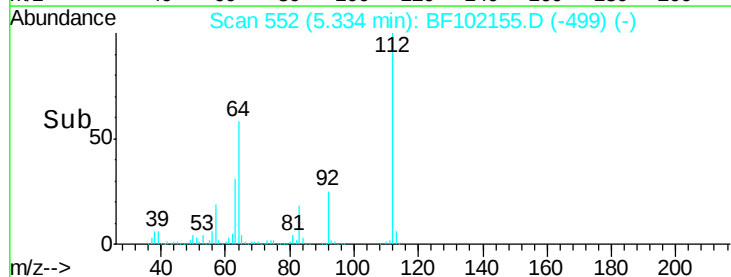
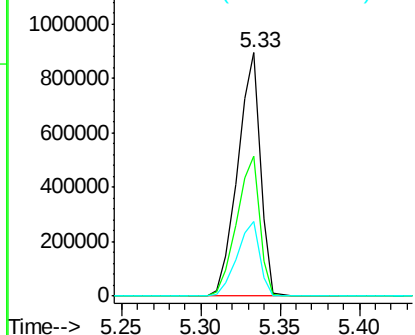
#5

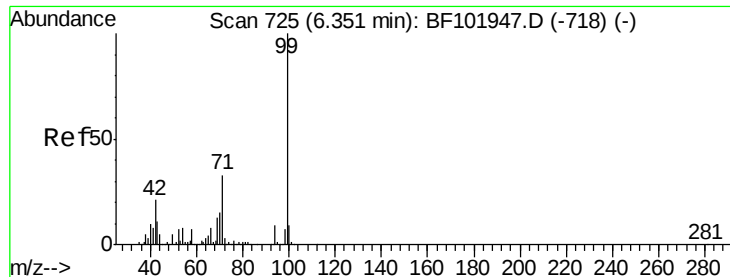
2-Fluorophenol
Concen: 92.507 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion:112 Resp: 885610
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 30.6 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: 91.106 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

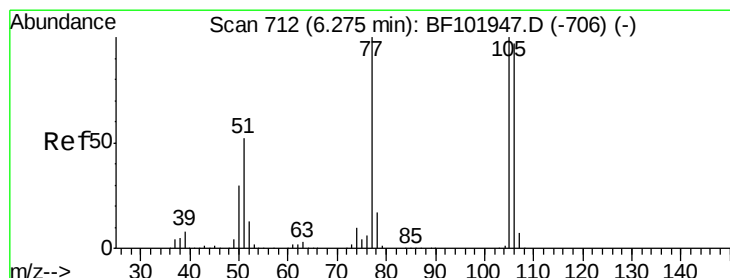
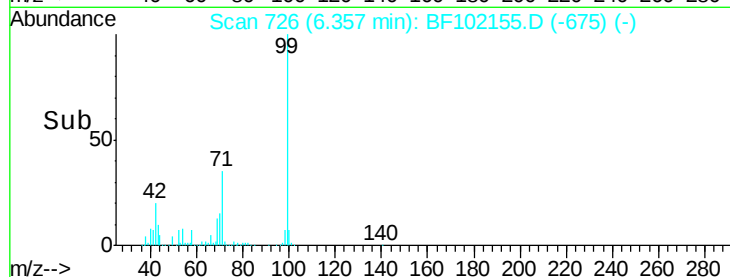
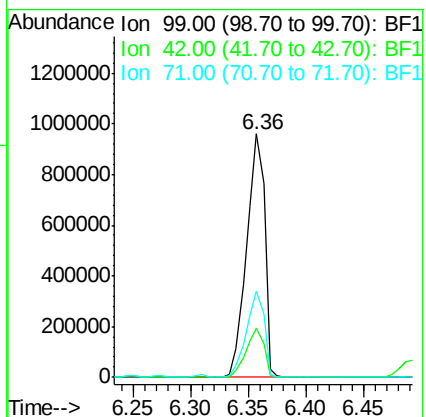
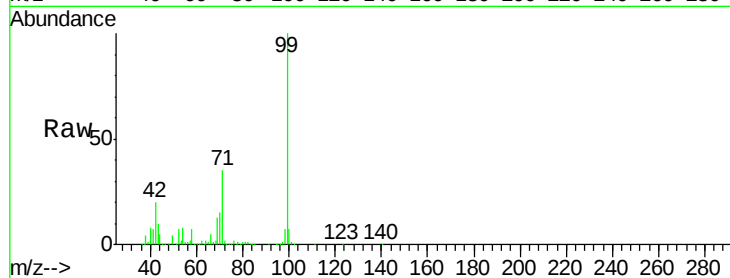
Tot Ion: 99 Resp: 1040625

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 35.3 25.4 38.0



#9

Benzaldehyde

Concen: 2.788 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

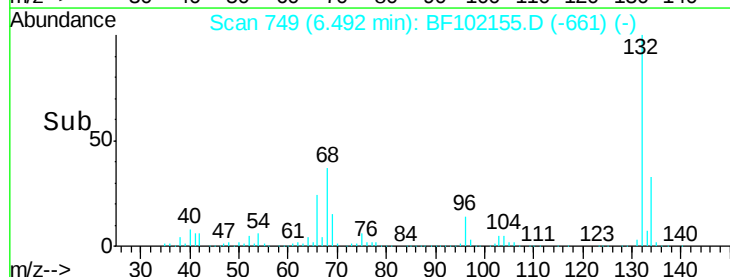
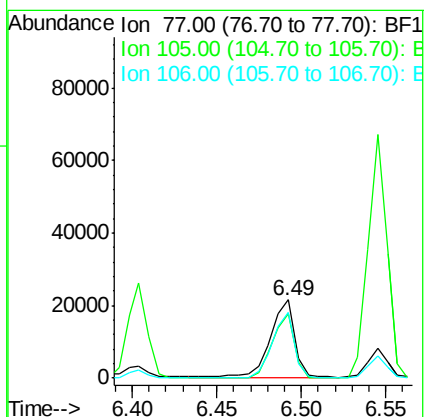
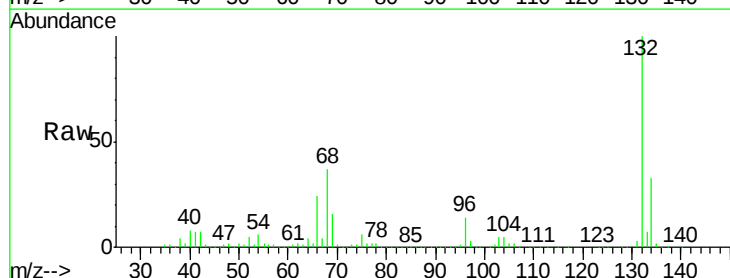
Tgt Ion: 77 Resp: 22113

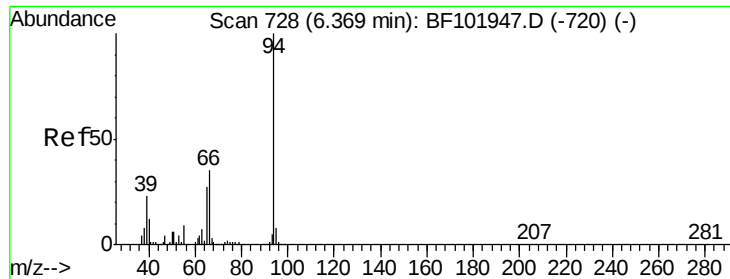
Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

106 83.8 74.5 114.5





#10

Phenol

Concen: 3.891 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

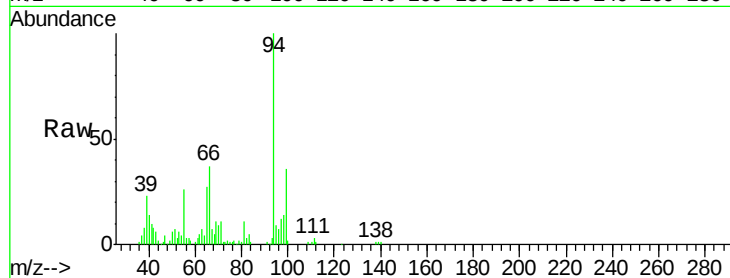
Tot Ion: 94 Resp: 50231

Ion Ratio Lower Upper

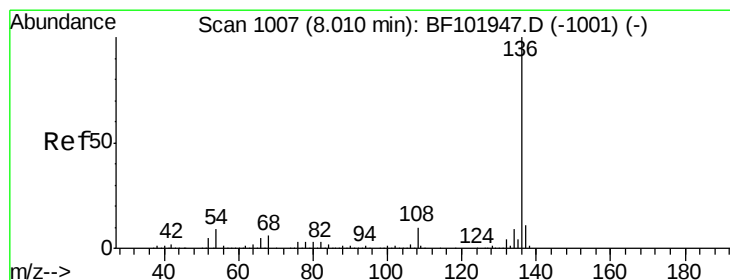
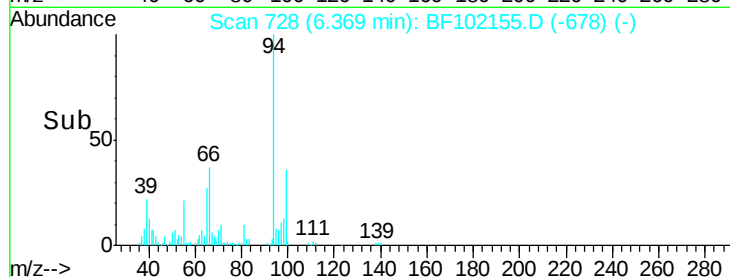
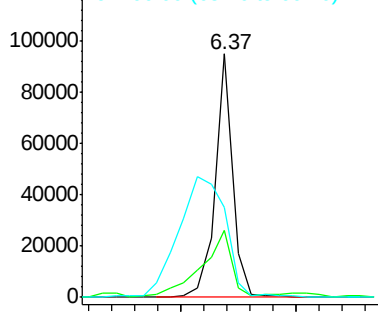
94 100

65 27.4 7.9 47.9

66 36.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Tgt Ion: 136 Resp: 463019

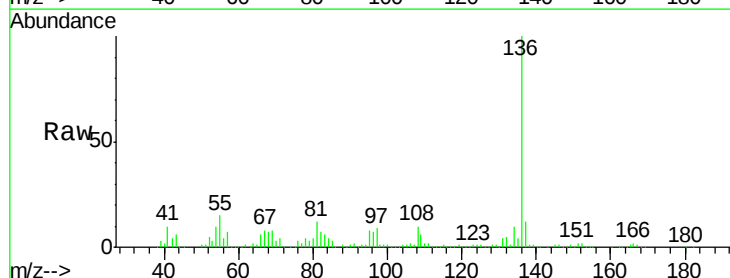
Ion Ratio Lower Upper

136 100

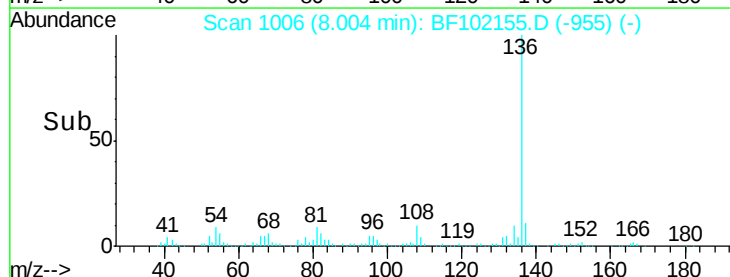
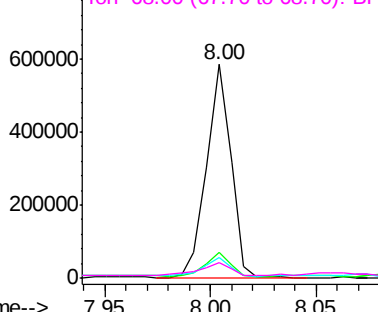
137 11.9 8.9 13.3

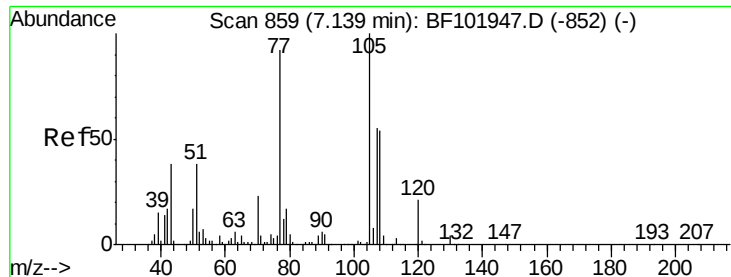
54 9.8 6.6 9.8

68 7.3 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 4.181 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 46640

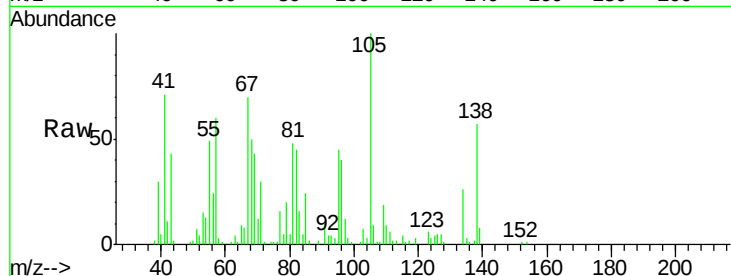
Ion Ratio Lower Upper

105 100

71 29.7 4.4 6.6#

51 6.9 22.3 33.5#

120 0.0 16.9 25.3#

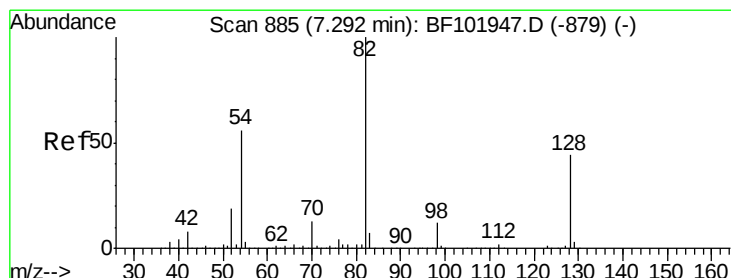
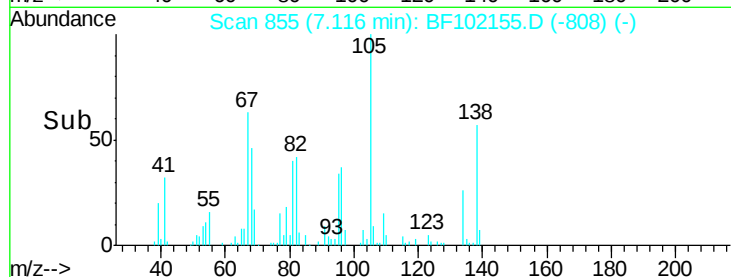
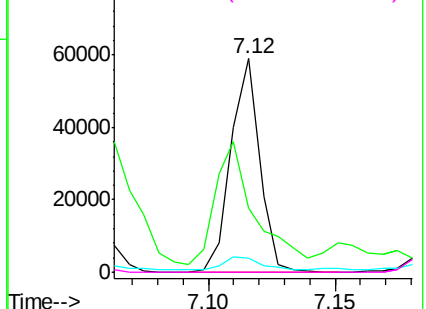


Abundance Ion 105.00 (104.70 to 105.70): E

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: 80.685 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

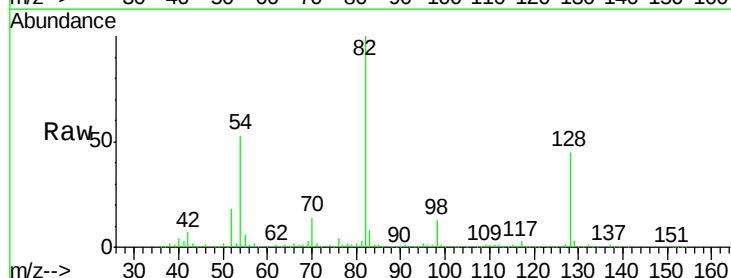
Tgt Ion: 82 Resp: 635741

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

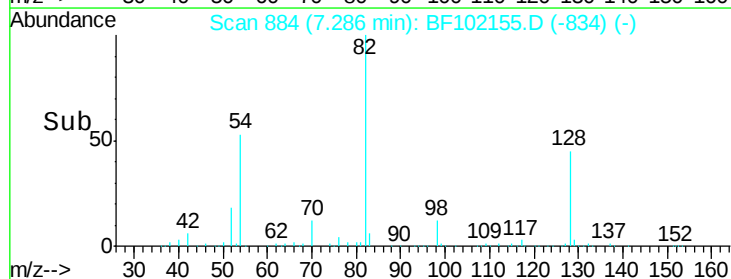
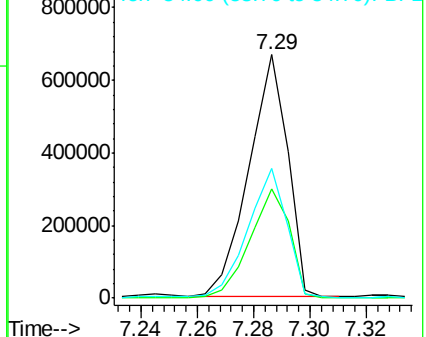
54 53.1 41.4 62.2

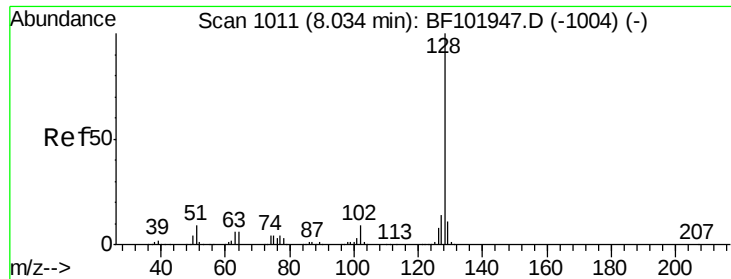


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

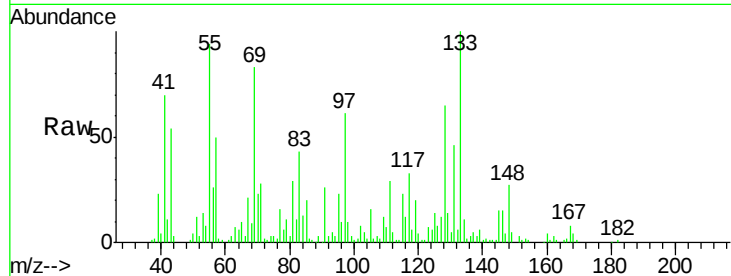




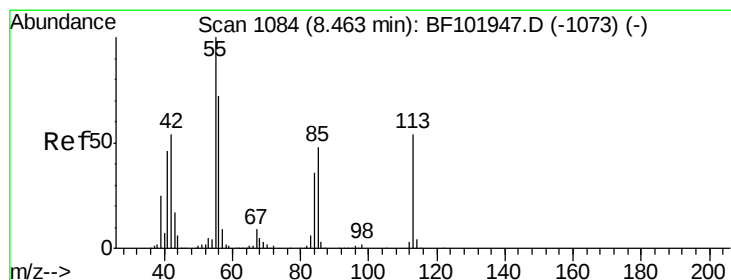
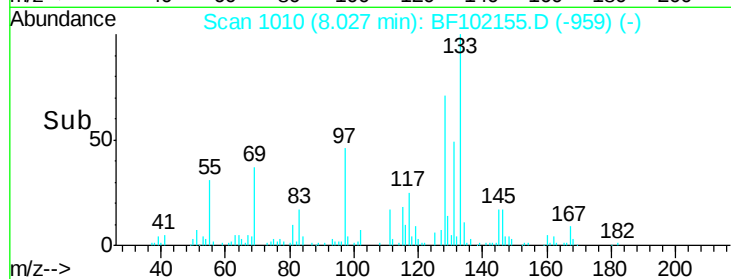
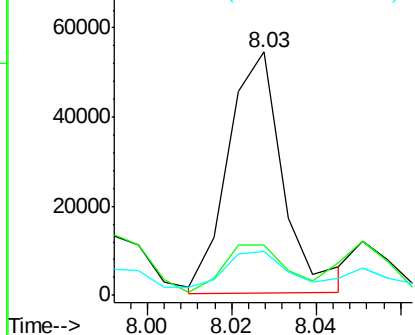
#31
Naphthalene
Concen: 2.109 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 48791
Ion Ratio Lower Upper
128 100
129 20.8 8.8 13.2#
127 18.2 10.9 16.3#

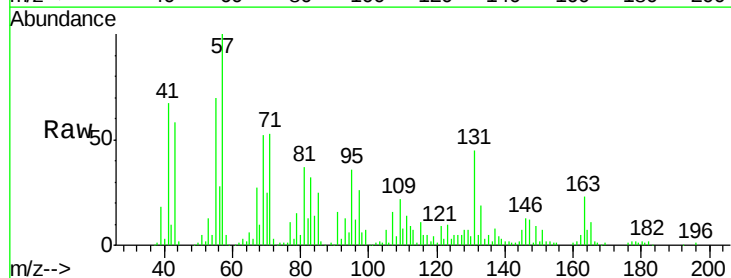


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

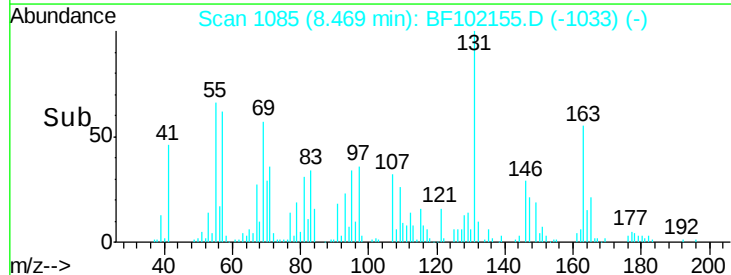
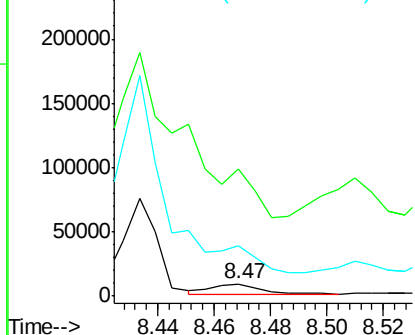


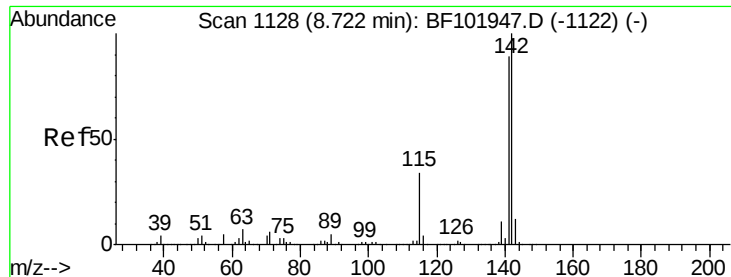
#35
Caprolactam
Concen: 4.510 ng
RT: 8.47 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion:113 Resp: 9730
Ion Ratio Lower Upper
113 100
55 1059.4 163.3 203.3#
56 423.1 115.7 155.7#



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

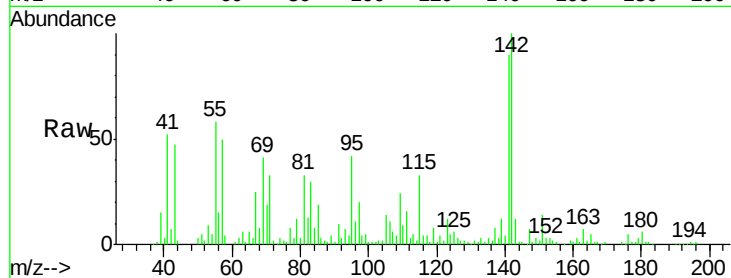




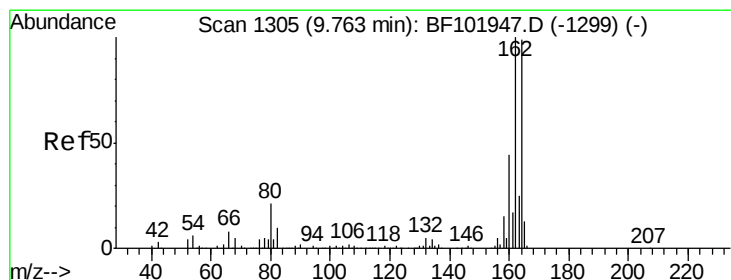
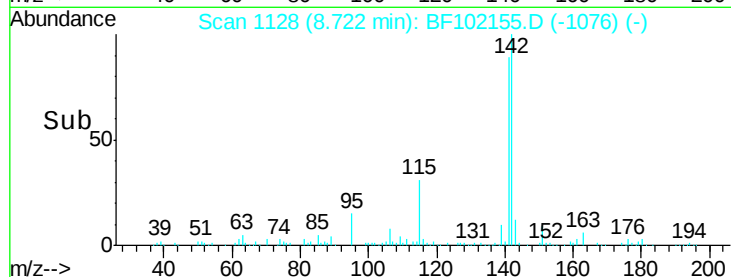
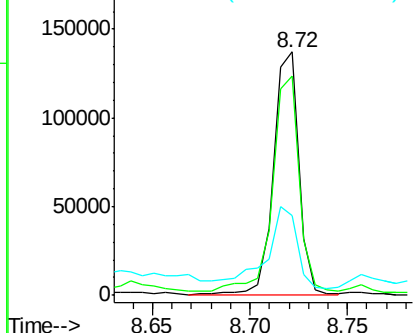
#37
 2-Methylnaphthalene
 Concen: 8.090 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	32.5	26.1	39.1

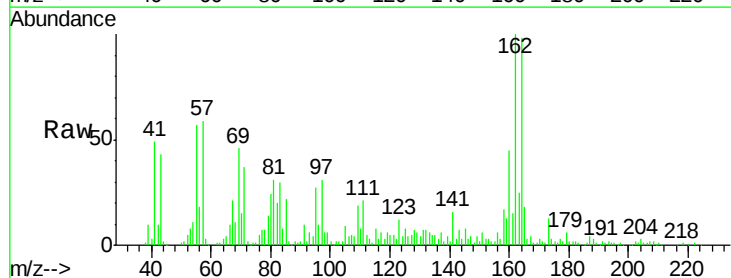


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

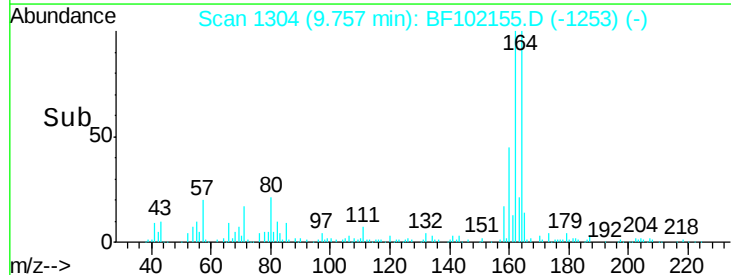
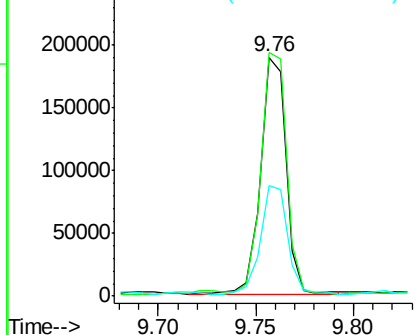


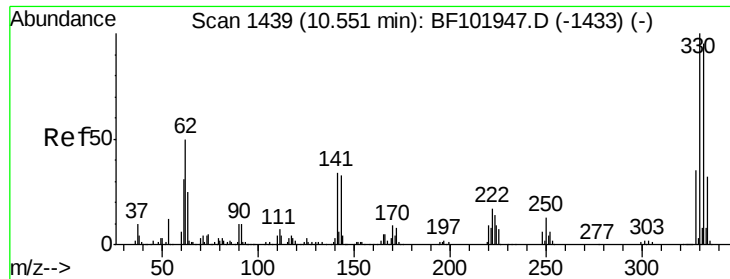
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	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

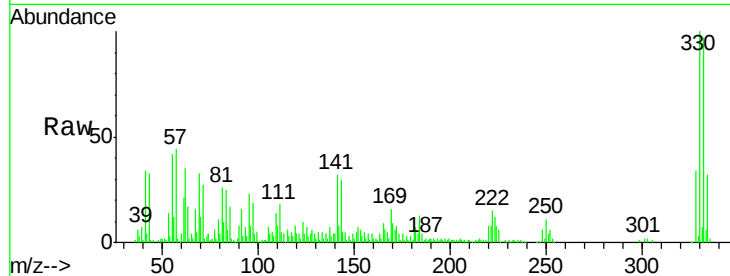




#41
 2,4,6-Tribromophenol
 Concen: 100.469 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	36.0	29.9	44.9

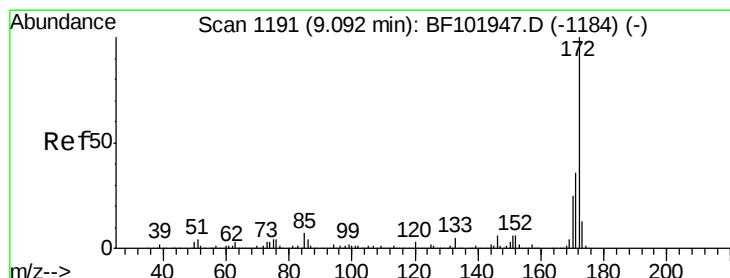
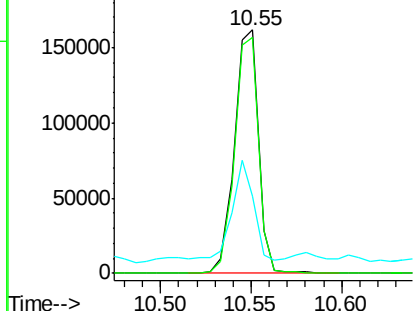
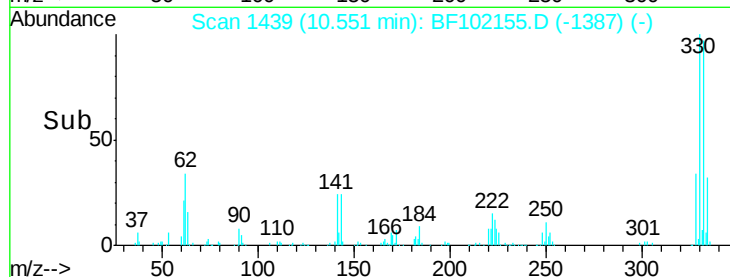


Abundance

Ion 329.80 (329.50 to 330.50): E

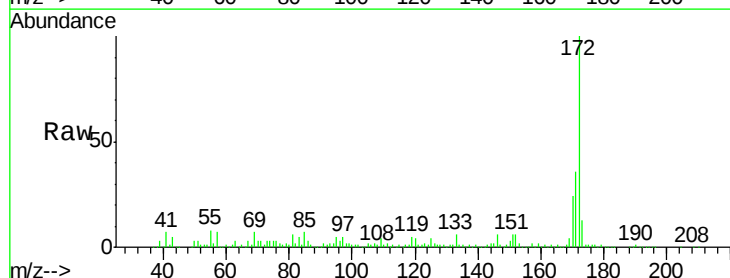
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.081 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.8	19.6	29.4

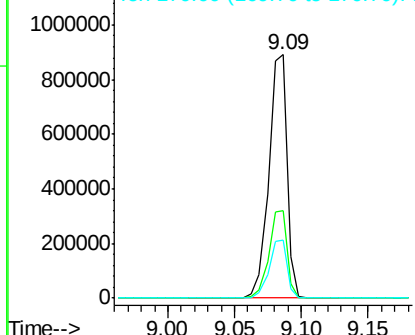
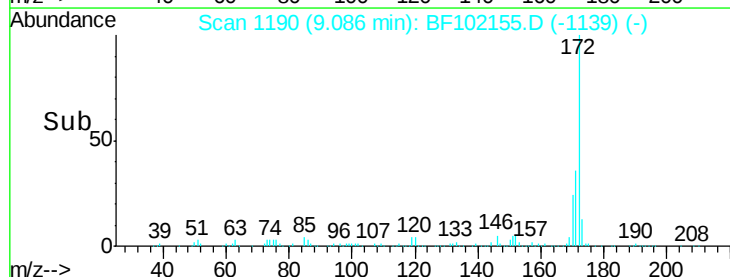


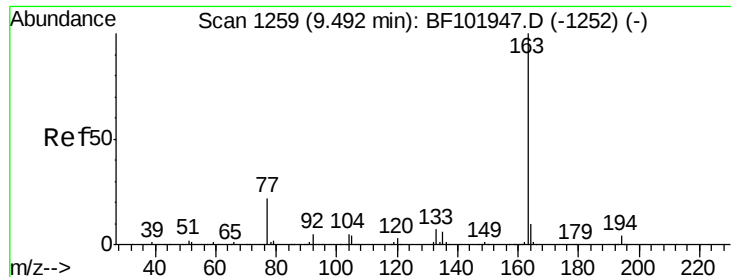
Abundance

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





#49

Dimethylphthalate

Concen: 7.700 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

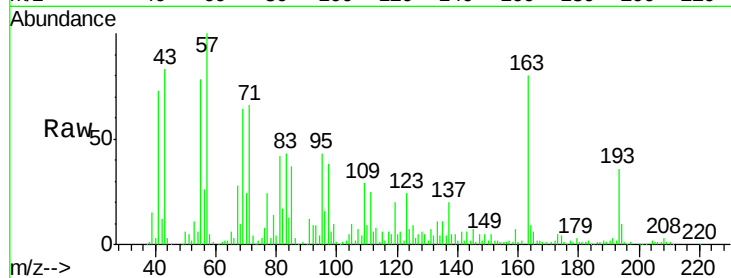
Tot Ion:163 Resp: 105344

Ion Ratio Lower Upper

163 100

194 12.5 2.7 4.1#

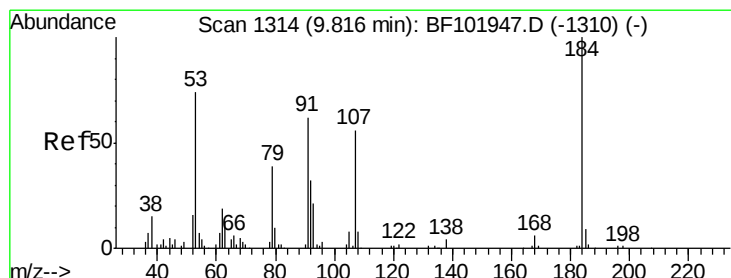
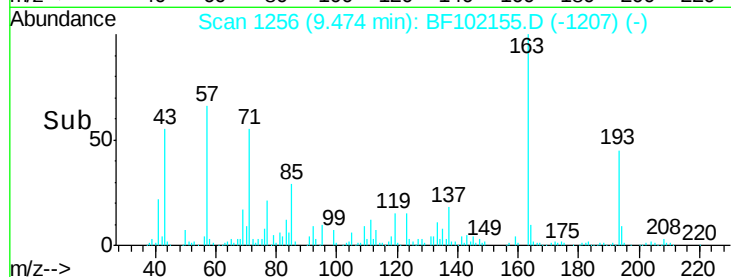
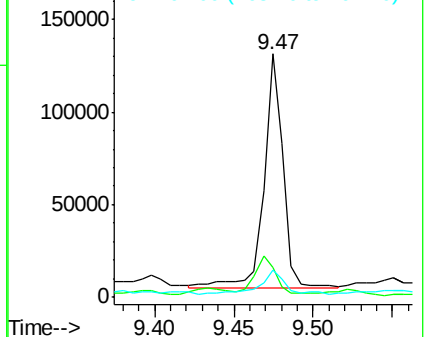
164 11.4 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.888 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

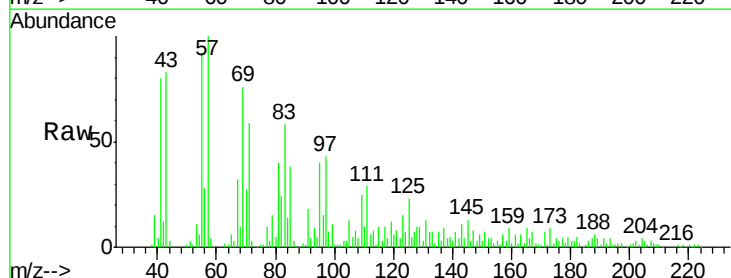
Tgt Ion:184 Resp: 270

Ion Ratio Lower Upper

184 100

63 411.2 54.2 81.2#

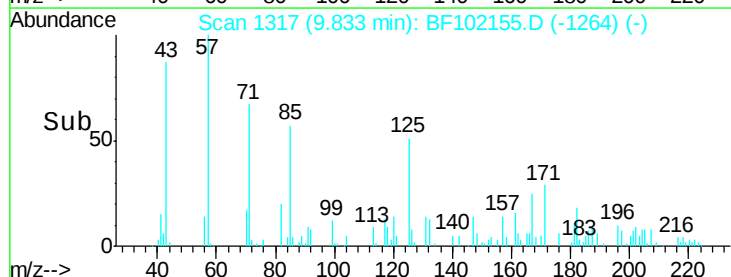
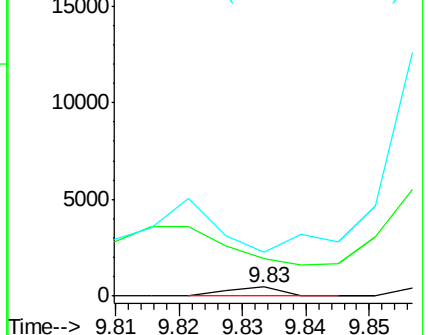
154 492.7 184.0 276.0#

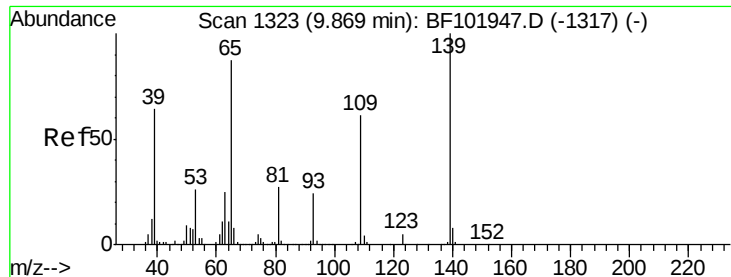


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

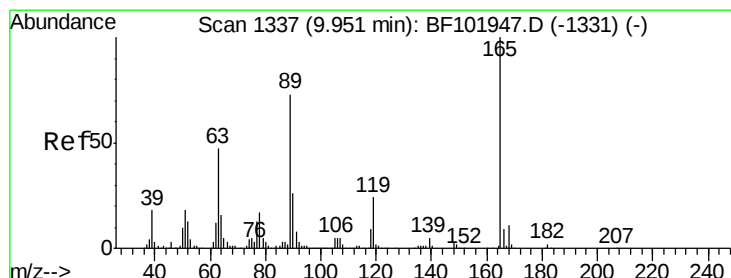
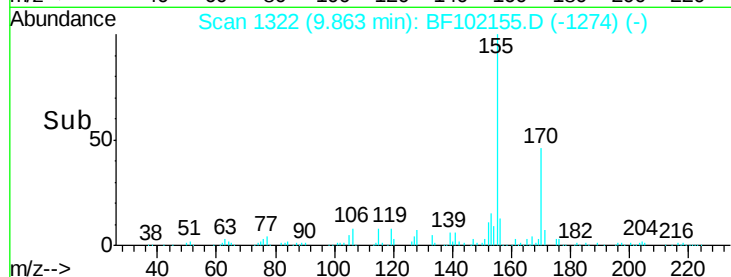
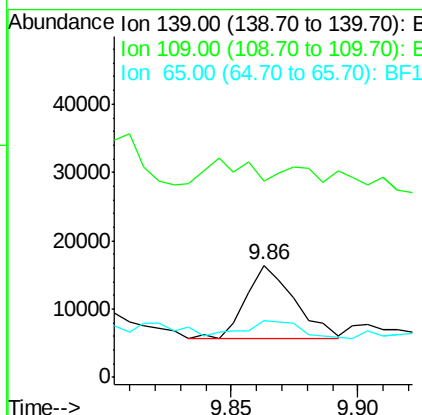
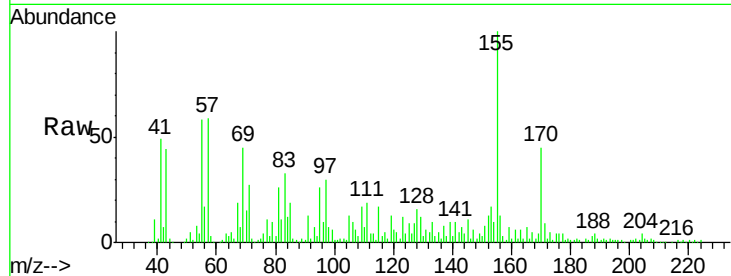




#55
4-Nitrophenol
Concen: 5.512 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

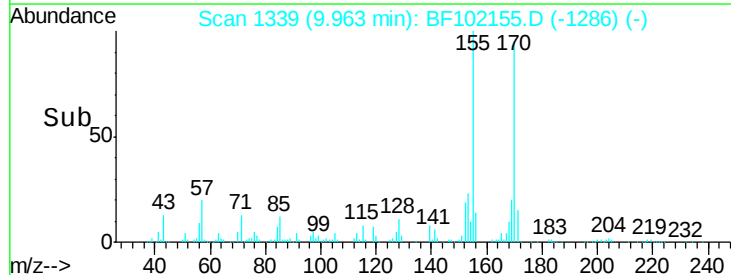
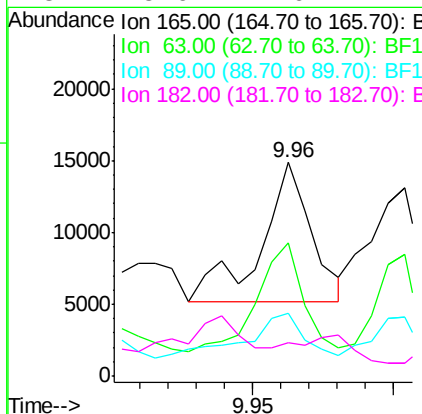
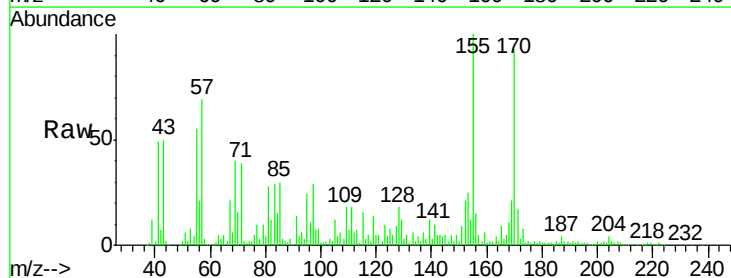
Instrument :
BNA_F
ClientSampleId :

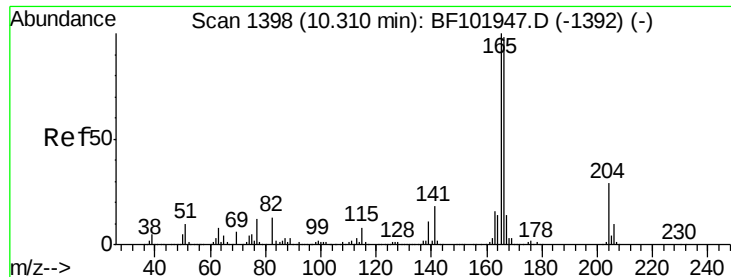
Tot Ion:139 Resp: 14166
Ion Ratio Lower Upper
139 100
109 175.4 48.4 88.4#
65 51.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.544 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion:165 Resp: 12139
Ion Ratio Lower Upper
165 100
63 62.5 36.4 54.6#
89 29.7 57.8 86.6#
182 15.6 1.6 2.4#

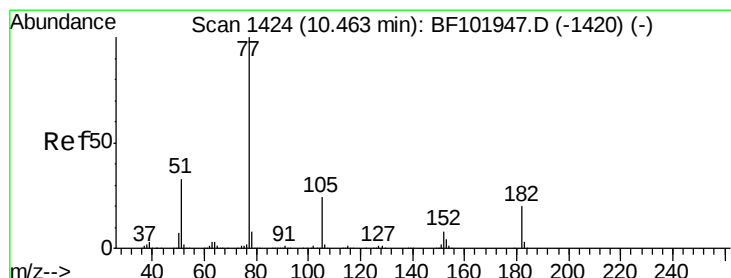
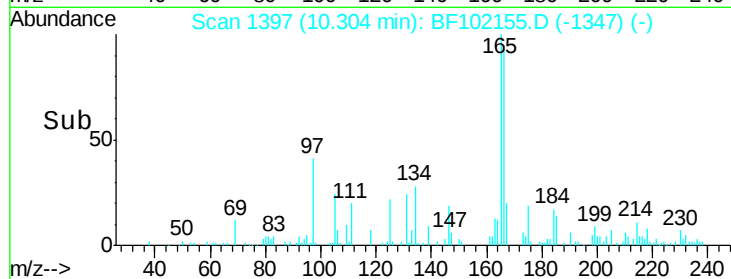
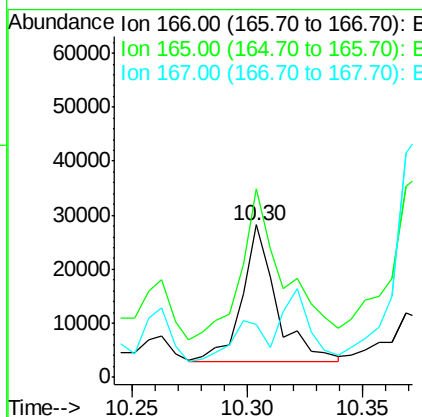
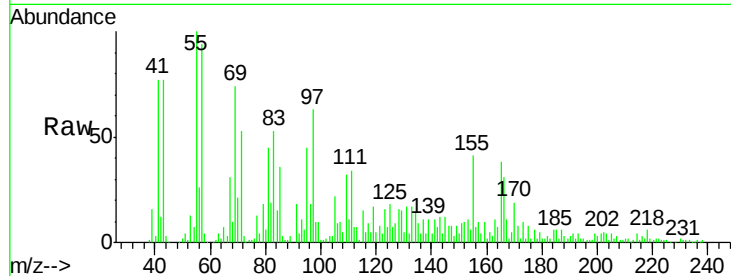




#57
Fluorene
 Concen: 2.478 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

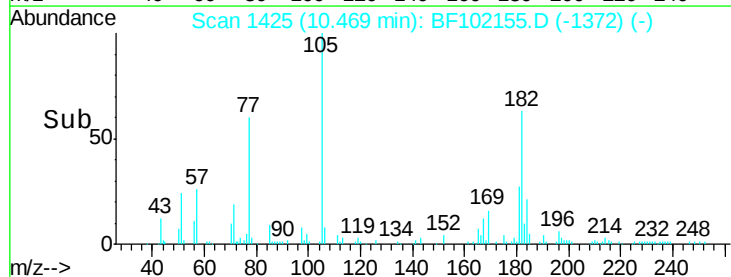
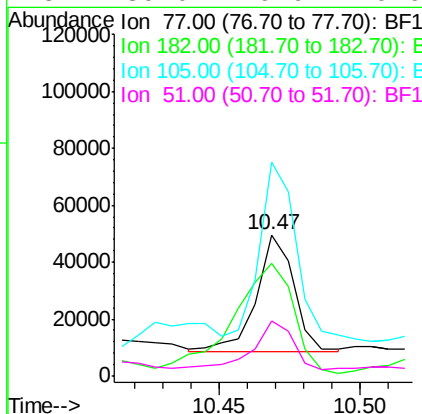
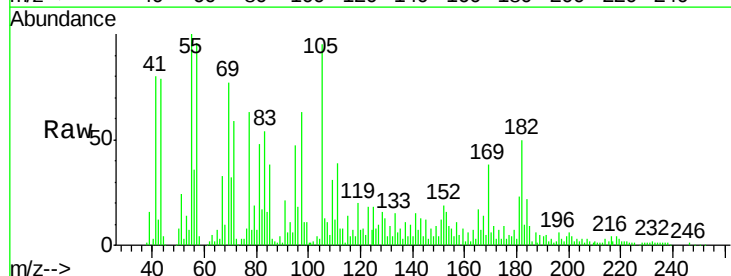
Instrument :
 BNA_F
 ClientSampled :

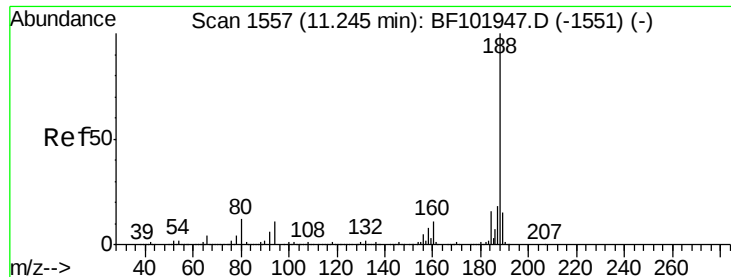
Tot Ion:166 Resp: 26472
 Ion Ratio Lower Upper
 166 100
 165 123.3 79.8 119.8#
 167 34.4 10.6 16.0#



#62
Azobenzene
 Concen: 2.814 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Tgt Ion: 77 Resp: 38096
 Ion Ratio Lower Upper
 77 100
 182 79.6 1.7 41.7#
 105 151.3 3.0 43.0#
 51 39.0 9.9 49.9

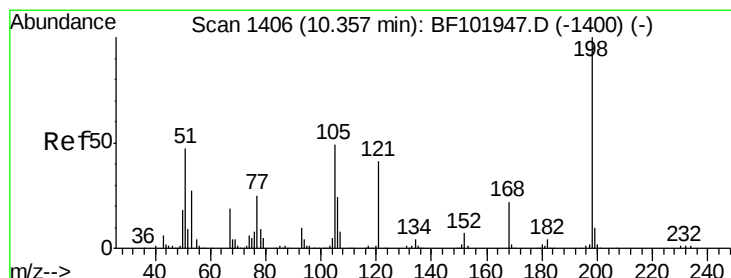
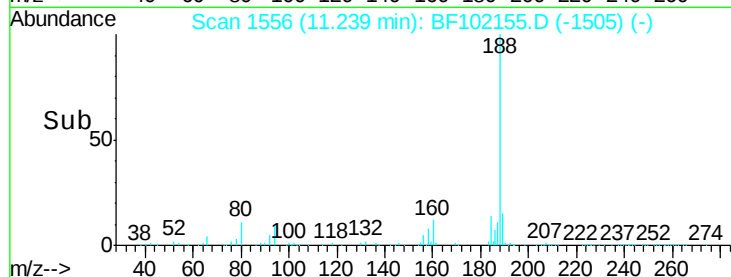
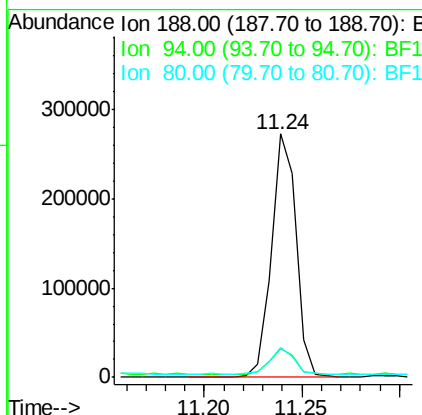
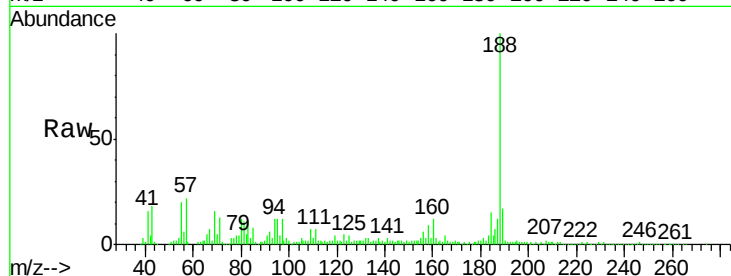




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

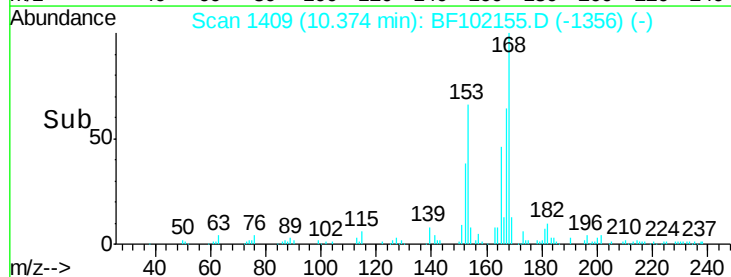
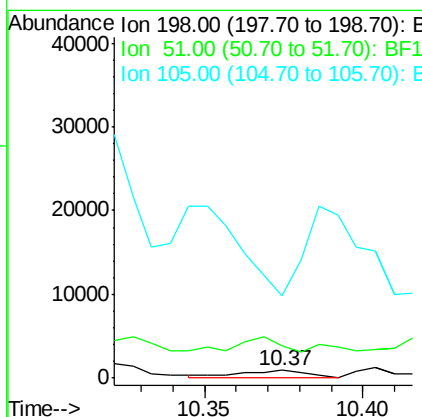
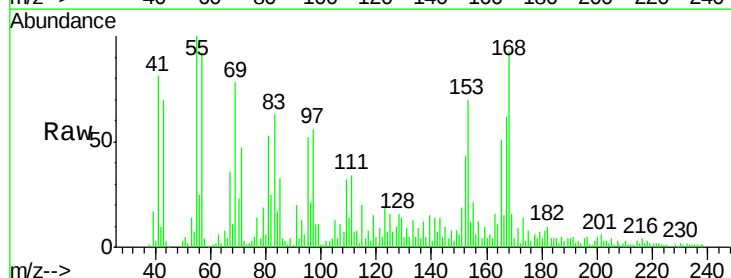
Instrument :
BNA_F
ClientSampleId :

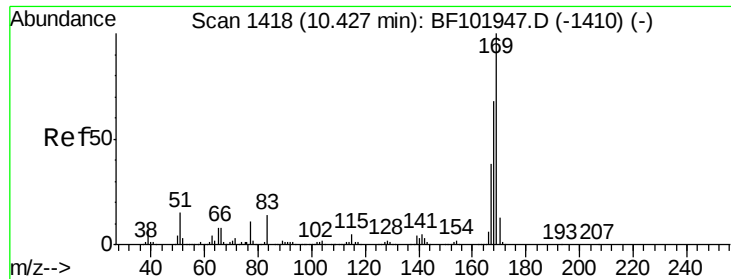
Tot Ion:188 Resp: 236470
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.654 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion:198 Resp: 1444
Ion Ratio Lower Upper
198 100
51 405.1 37.7 77.7#
105 1034.6 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 7.601 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampled :

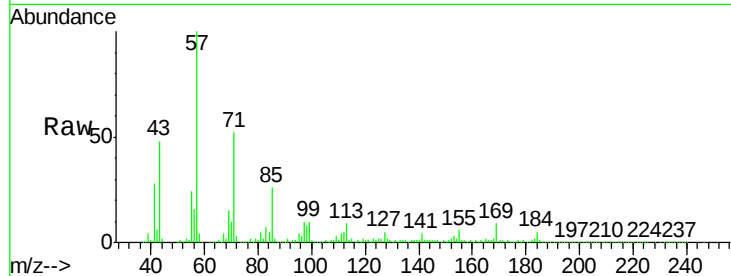
Tot Ion:169 Resp: 67303

Ion Ratio Lower Upper

169 100

168 20.8 54.4 81.6#

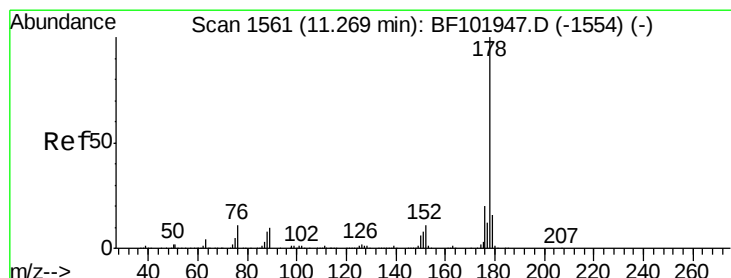
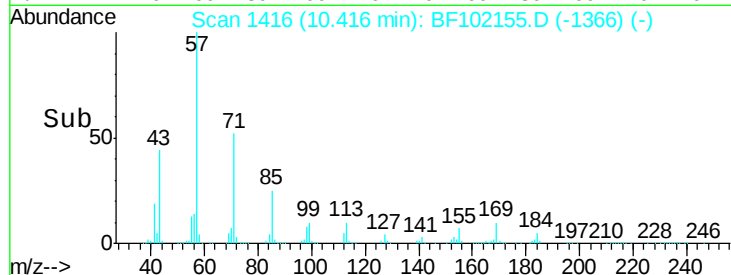
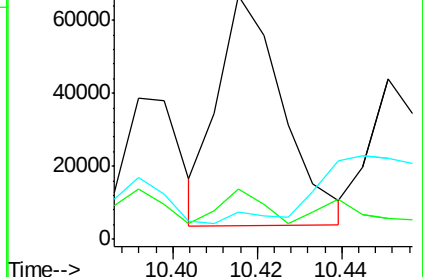
167 11.0 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 5.282 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

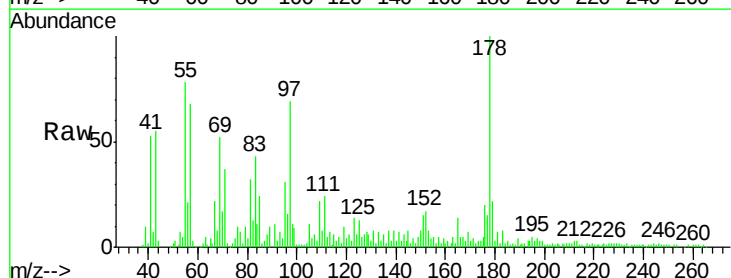
Tgt Ion:178 Resp: 72964

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

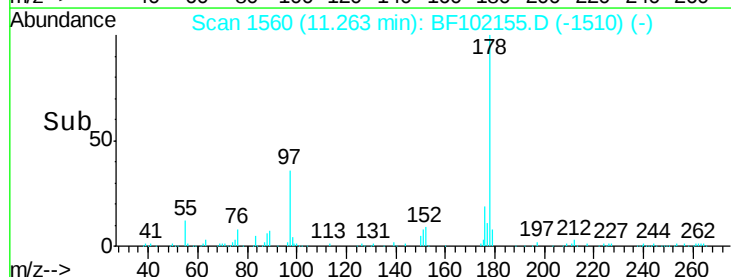
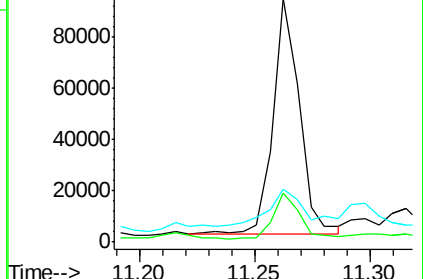
179 21.7 13.0 19.6#

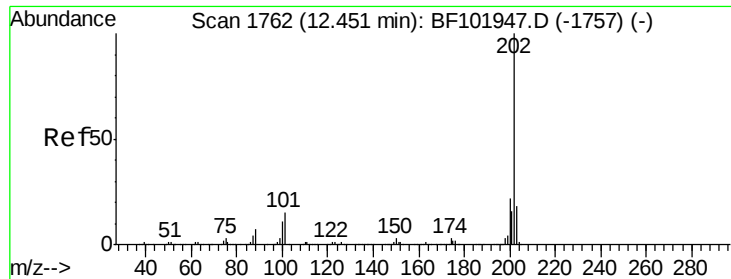


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.705 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

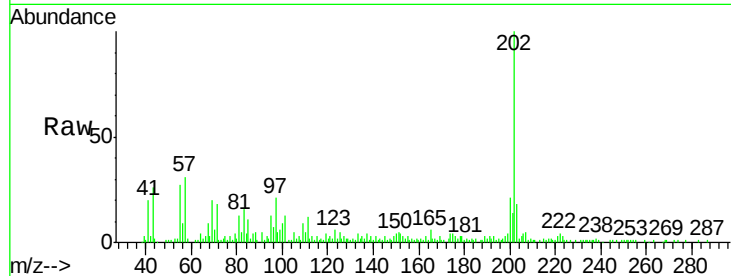
Tot Ion:202 Resp: 50349

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

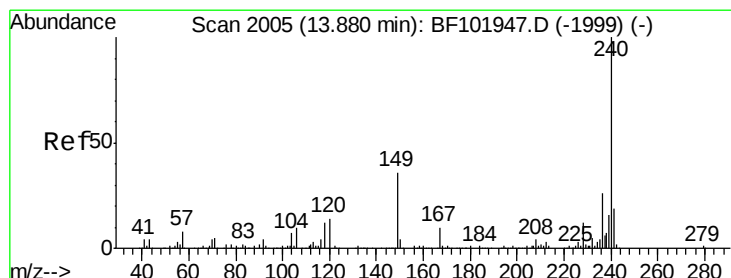
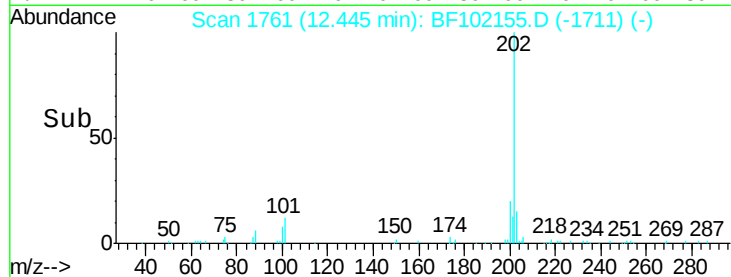
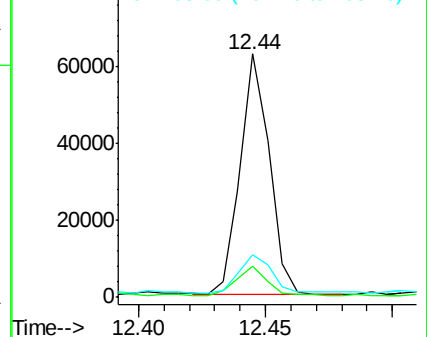
203 17.6 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

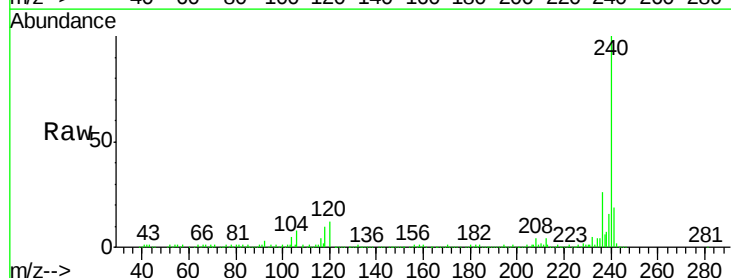
Tgt Ion:240 Resp: 243056

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

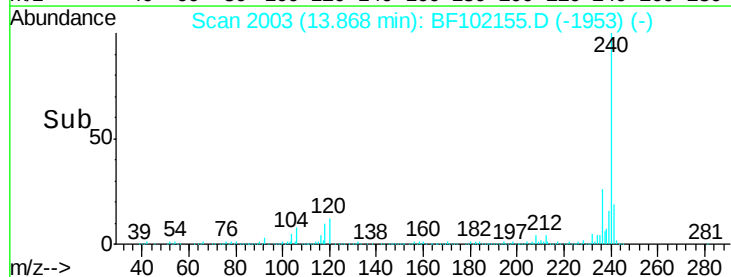
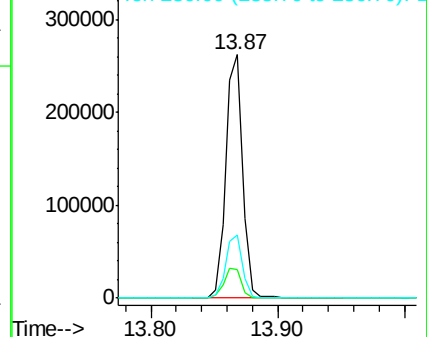
236 26.0 20.7 31.1

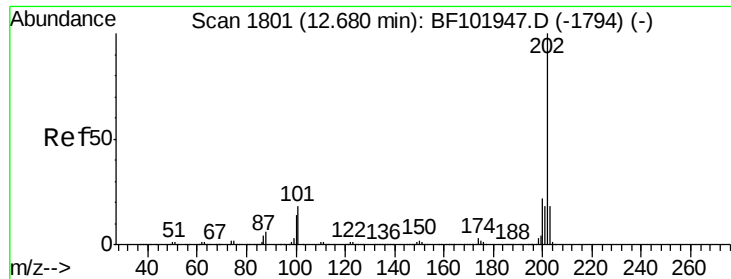


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.196 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

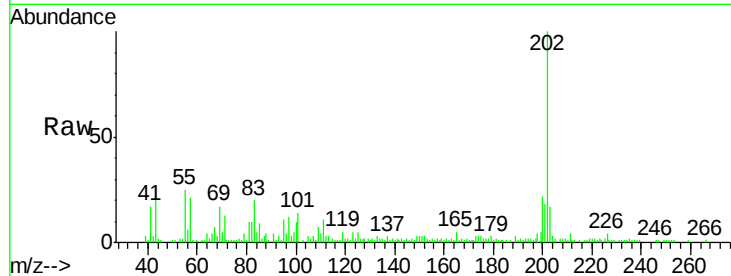
Tot Ion:202 Resp: 47173

Ion Ratio Lower Upper

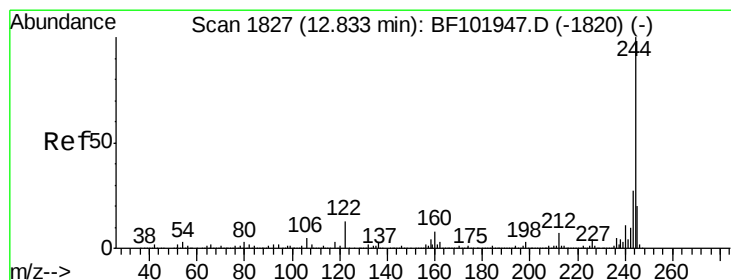
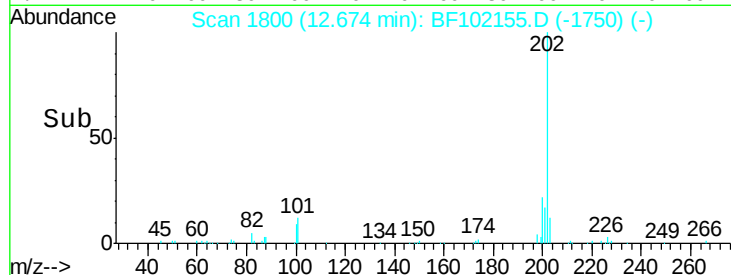
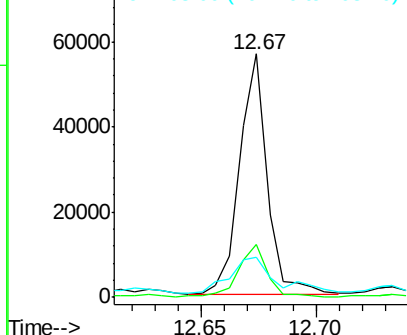
202 100

200 21.8 17.4 26.2

203 16.6 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: 49.072 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

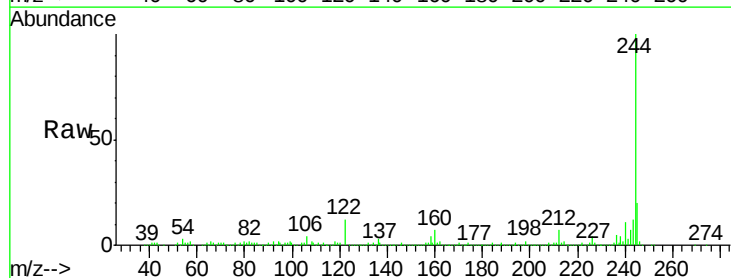
Tgt Ion:244 Resp: 574455

Ion Ratio Lower Upper

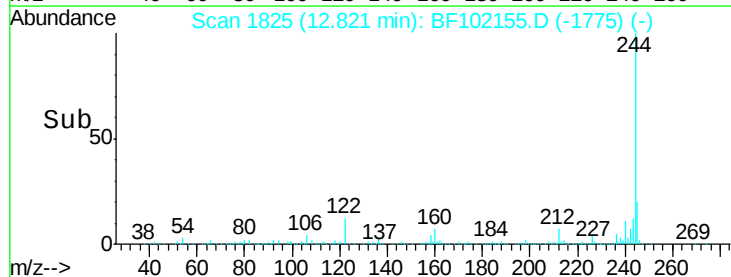
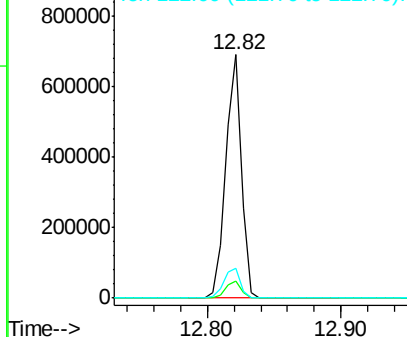
244 100

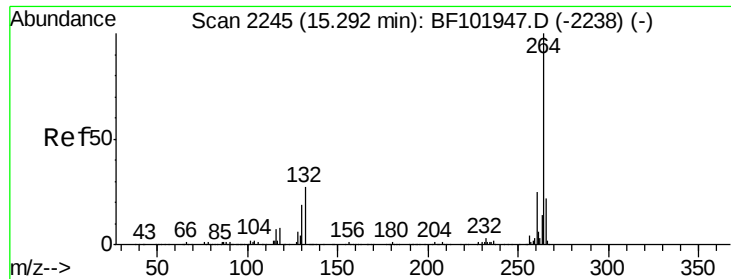
212 6.9 5.4 8.0

122 12.1 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

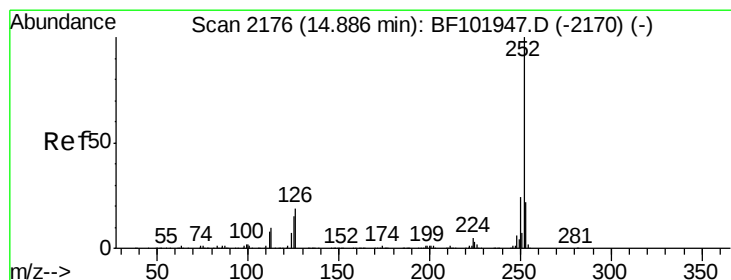
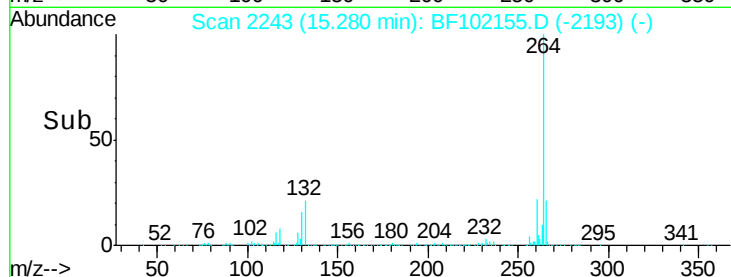
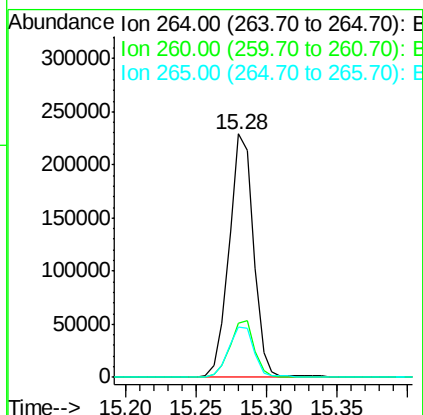
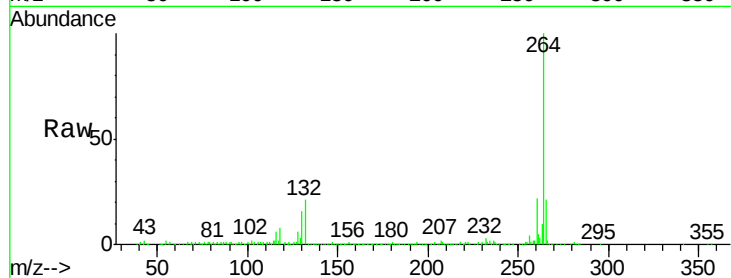




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

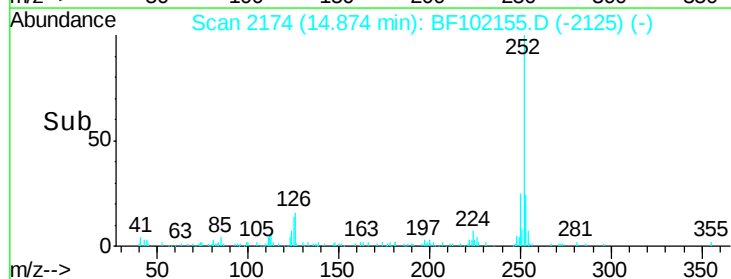
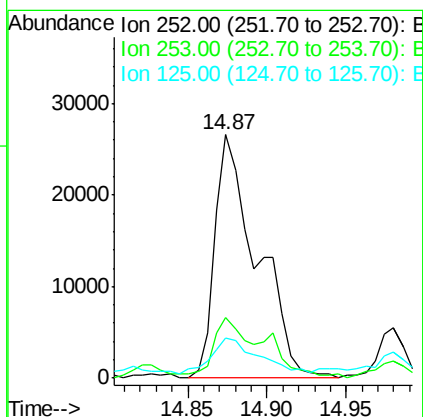
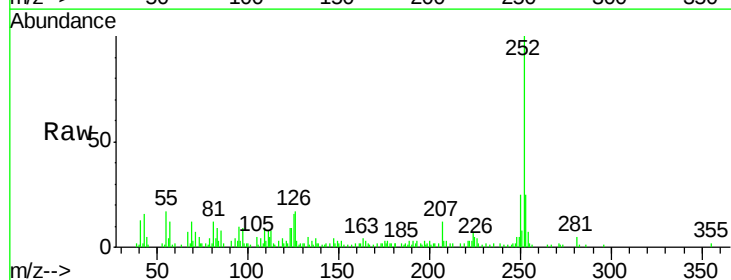
Instrument :
BNA_F
ClientSampleId :

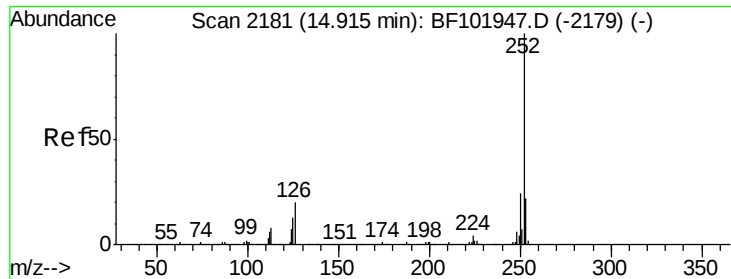
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	20.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.722 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	16.4	9.0	13.6

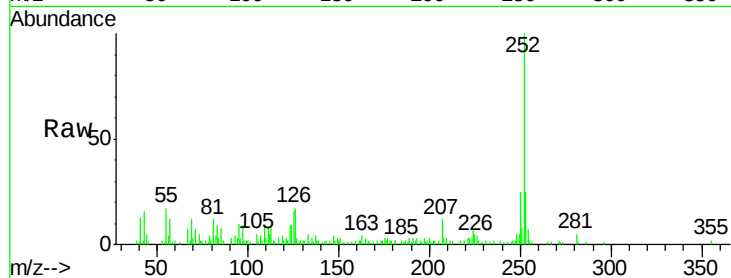




#88
 Benzo(k)fluoranthene
 Concen: 2.822 ng
 RT: 14.87 min Scan# 2174
 Delta R.T. -0.04 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	16.4	10.2	15.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

