

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021618\
 Data File : BF103050.D
 Acq On : 16 Feb 2018 14:19
 Operator : SJ/JU
 Sample : J1402-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-021418-C

Quant Time: Feb 16 16:16:00 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	171893	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	704297	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	285743	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	417465	20.00	ng	0.00
75) Chrysene-d12	14.05	240	308544	20.00	ng	0.00
86) Perylene-d12	15.54	264	249084	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	906608	80.10	ng	0.00
7) Phenol-d6	6.50	99	1066915	78.29	ng	0.00
23) Nitrobenzene-d5	7.44	82	632855	62.33	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	163193	70.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	811059	47.10	ng	0.00
78) Terphenyl-d14	12.99	244	557718	42.80	ng	0.00

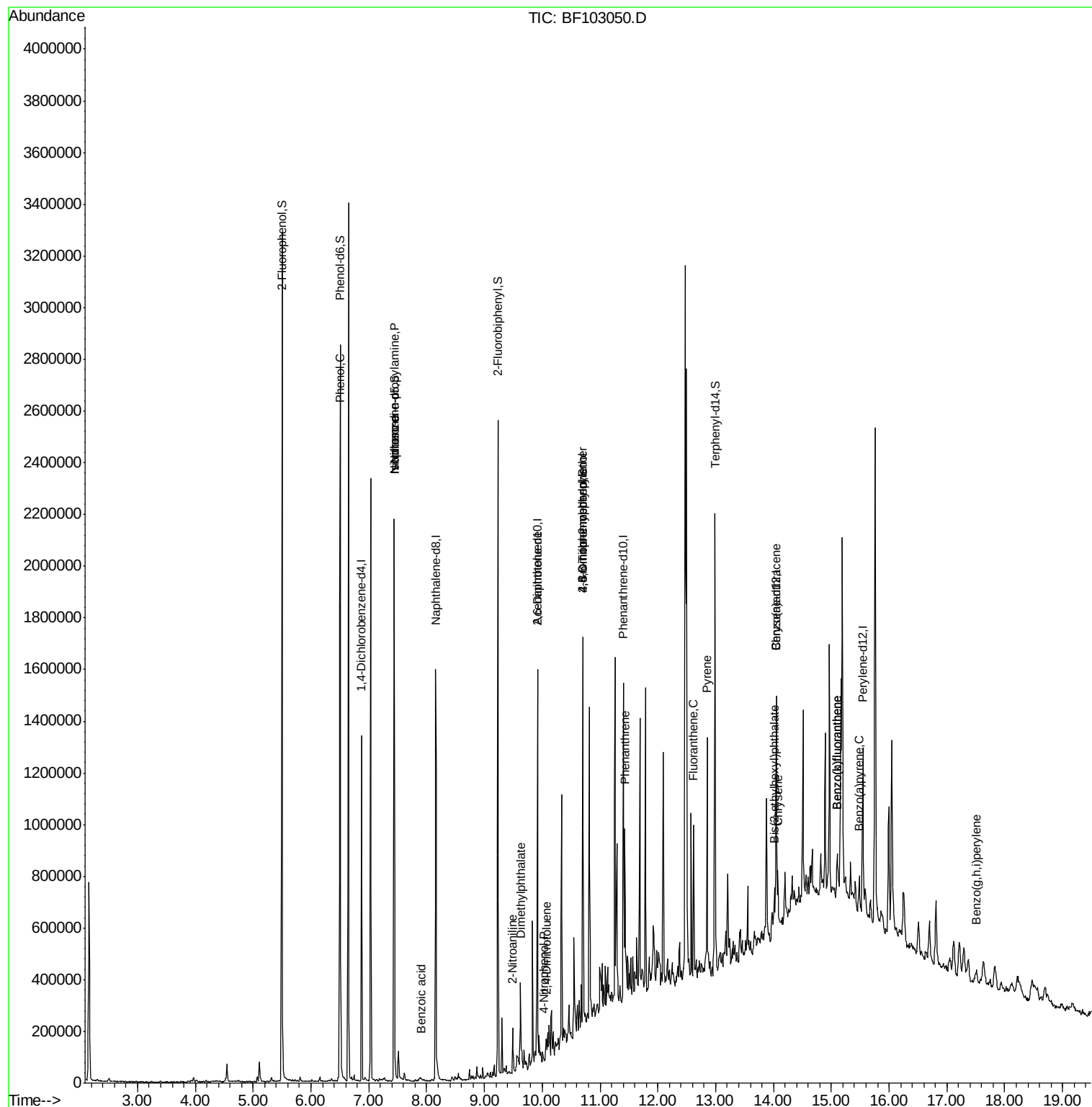
Target Compounds				Qvalue		
10) Phenol	6.52	94	31007	2.123	ng	86
19) n-Nitroso-di-n-propylamine	7.44	70	85058	9.466	ng	# 81
25) Isophorone	7.44	82	632848	27.070	ng	# 64
32) Benzoic acid	7.90	122	243	8.577	ng	# 80
47) 2-Nitroaniline	9.50	65	881	3.612	ng	# 2
49) Dimethylphthalate	9.62	163	81987	3.680	ng	99
50) 2,6-Dinitrotoluene	9.92	165	38711	9.133	ng	# 26
55) 4-Nitrophenol	10.03	139	1398	4.334	ng	# 28
56) 2,4-Dinitrotoluene	10.07	165	1295	3.289	ng	# 41
64) 4,6-Dinitro-2-methylphenol	10.70	198	186	8.891	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10797	2.445	ng	# 1
70) Phenanthrene	11.43	178	186116	8.005	ng	99
74) Fluoranthene	12.62	202	216701	9.264	ng	97
77) Pyrene	12.85	202	184711	7.634	ng	99
80) Benzo(a)anthracene	14.04	228	77541	3.996	ng	99
82) Chrysene	14.07	228	85063	4.349	ng	93
83) Bis(2-ethylhexyl)phthalate	14.02	149	45394	3.063	ng	95
87) Benzo(b)fluoranthene	15.10	252	112321	6.955	ng	# 84
88) Benzo(k)fluoranthene	15.10	252	112321	7.279	ng	# 87
89) Benzo(a)pyrene	15.48	252	51548	3.546	ng	# 81
91) Benzo(g,h,i)perylene	17.51	276	28941	2.506	ng	# 92

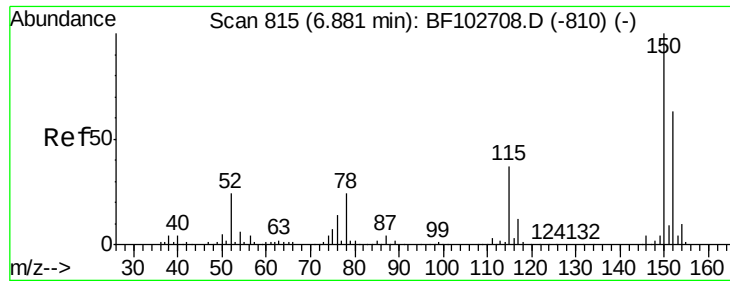
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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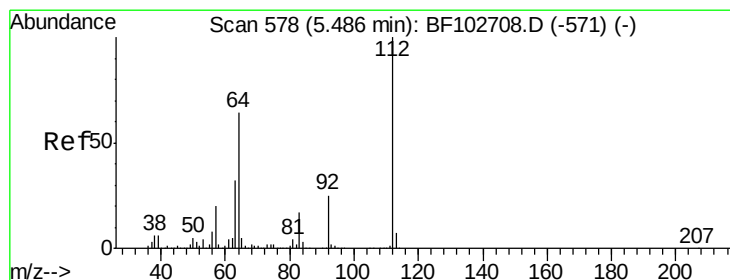
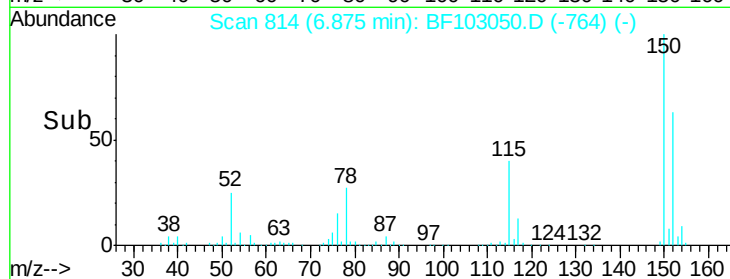
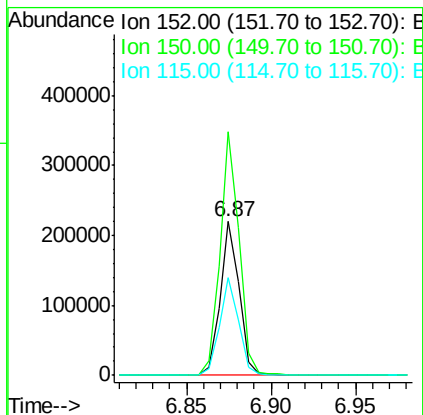
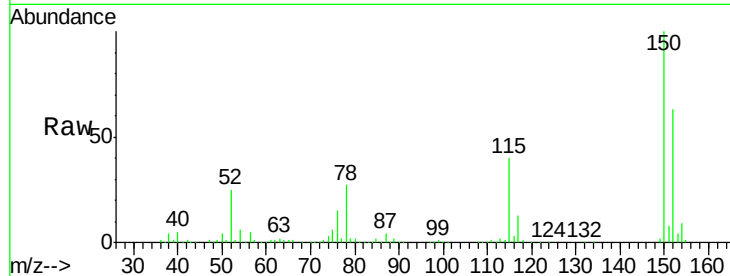


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Instrument :
BNA_F
ClientSampleId :
PL-01-021418-C

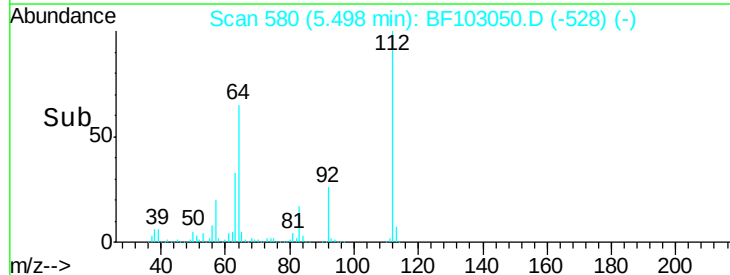
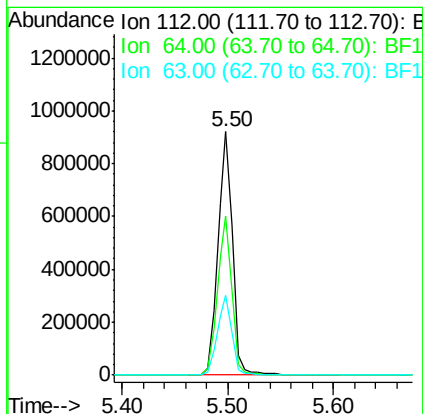
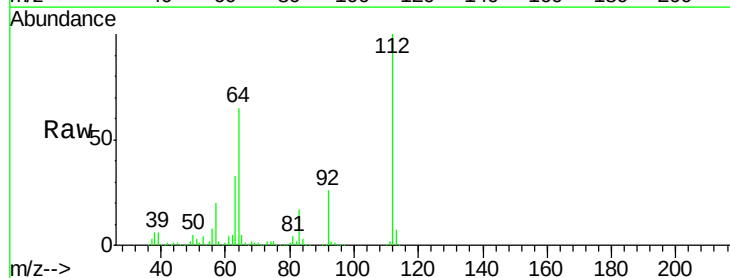
Tgt Ion:152 Resp: 171893
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 63.4 50.1 75.1

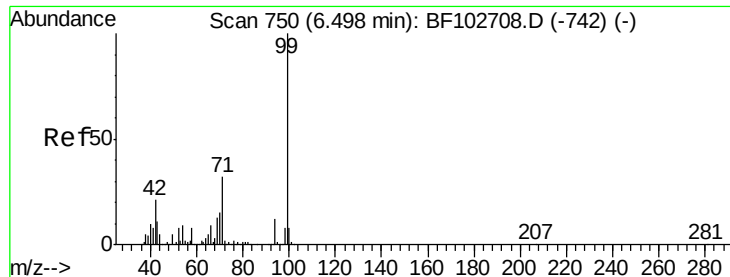


#5

2-Fluorophenol
Concen: 80.098 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Tgt Ion:112 Resp: 906608
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.0 23.7 35.5





#7

Phenol-d6

Concen: 78.286 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

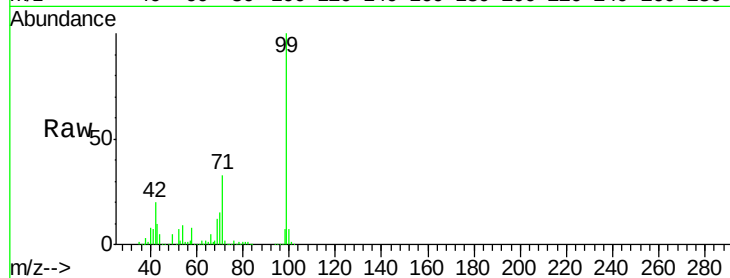
Tgt Ion: 99 Resp: 1066915

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

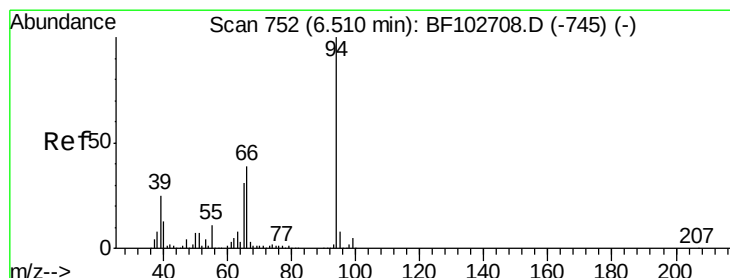
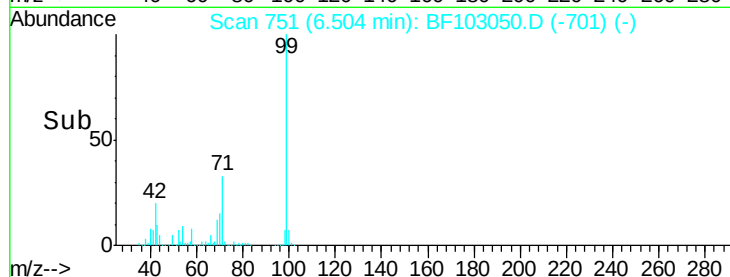
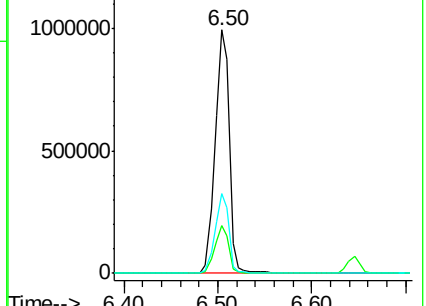
71 32.6 25.4 38.0



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: 2.123 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

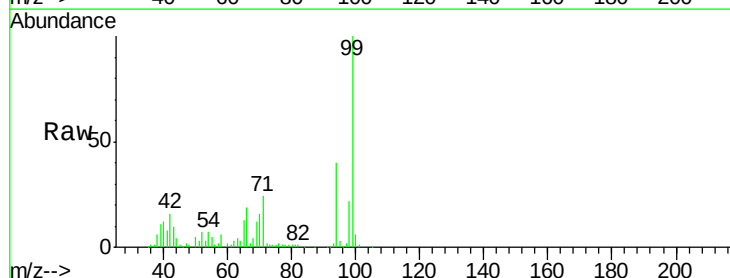
Tgt Ion: 94 Resp: 31007

Ion Ratio Lower Upper

94 100

65 31.4 7.9 47.9

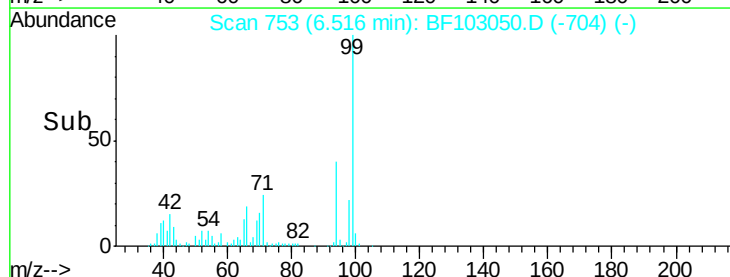
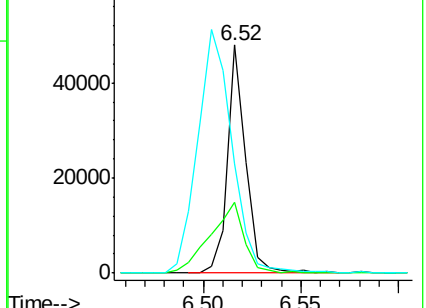
66 48.2 16.2 56.2

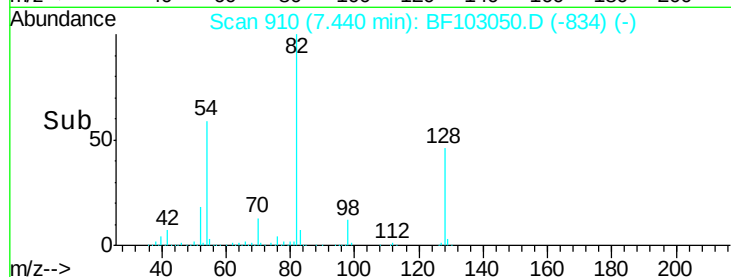
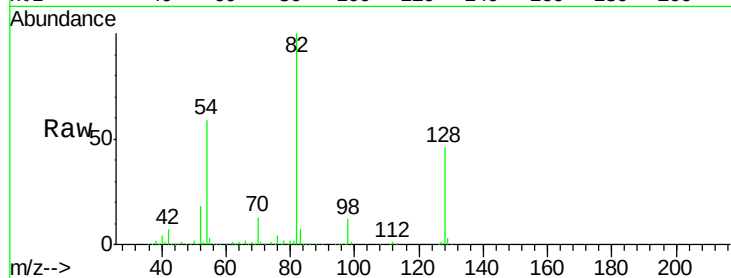
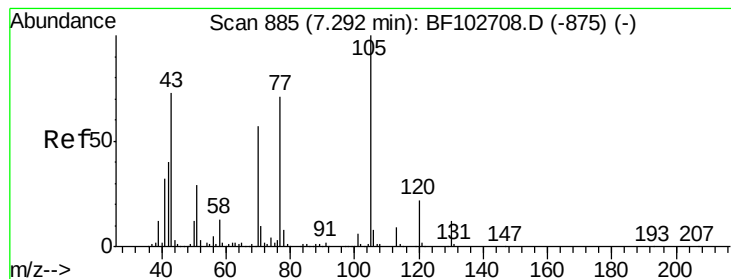


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.466 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

Tgt Ion: 70 Resp: 85058

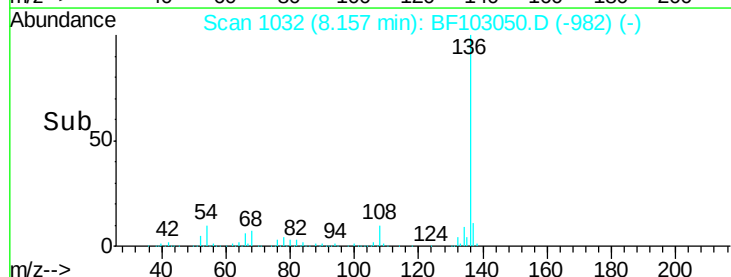
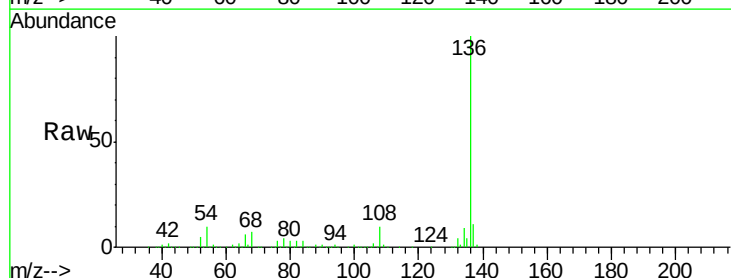
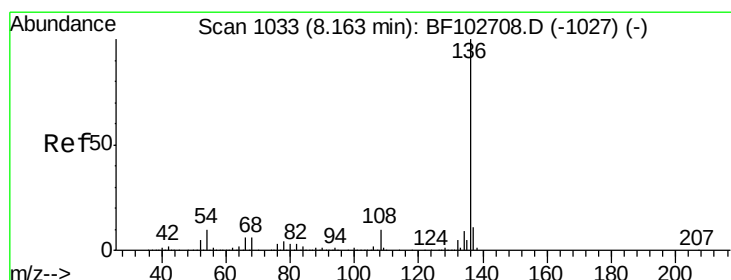
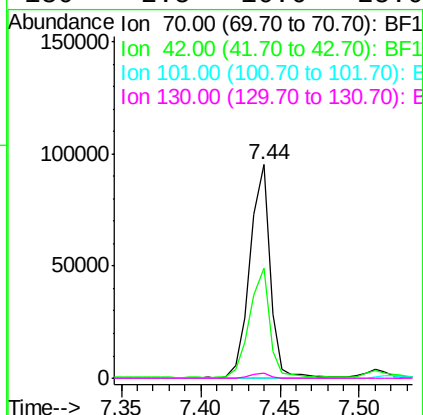
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Tgt Ion: 136 Resp: 704297

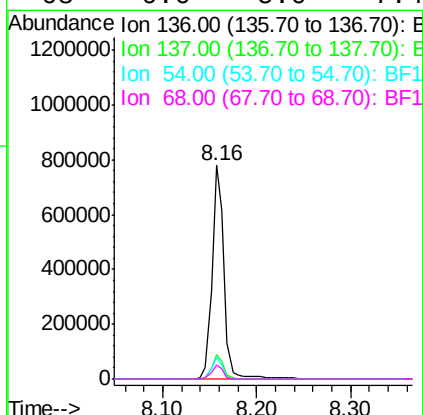
Ion Ratio Lower Upper

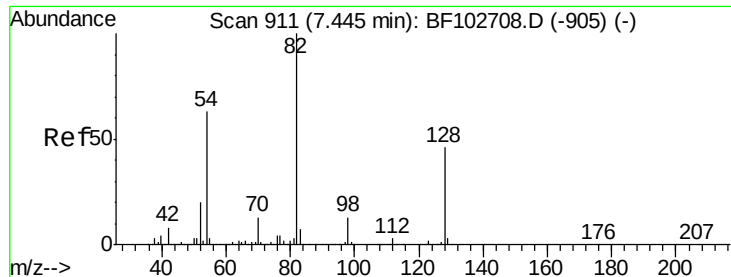
136 100

137 11.2 8.9 13.3

54 10.2 6.6 9.8#

68 6.6 5.0 7.4

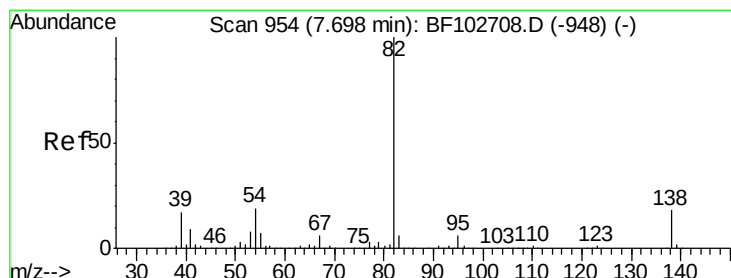
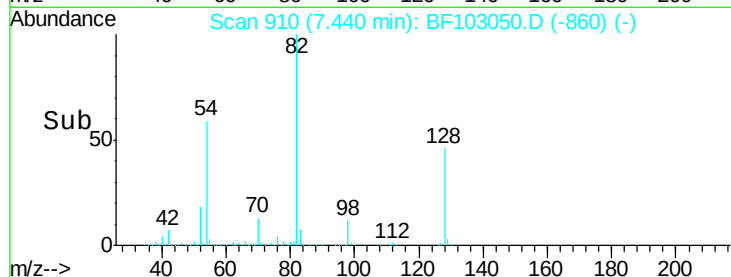
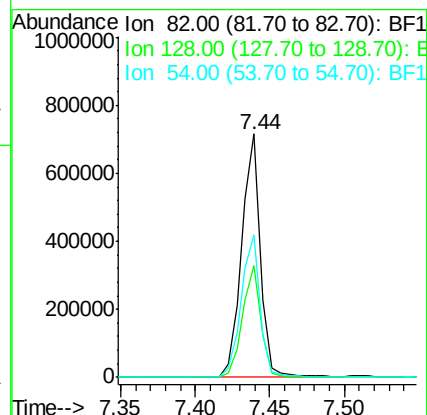
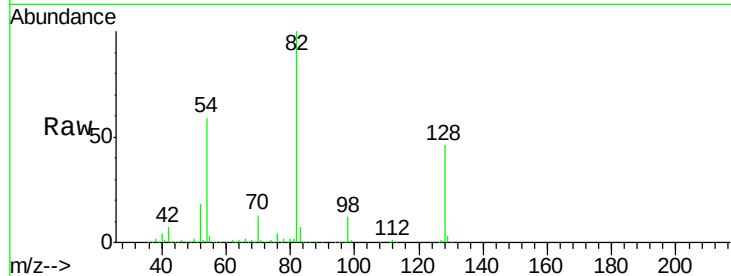




#23
Nitrobenzene-d5
Concen: 62.334 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

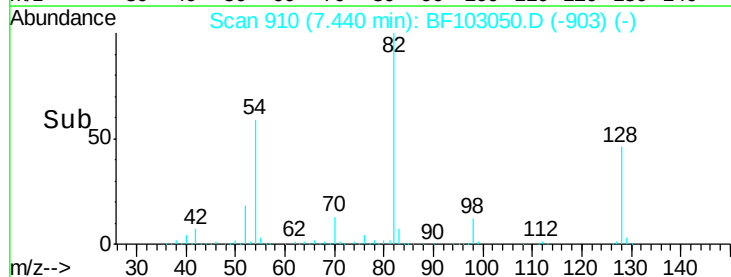
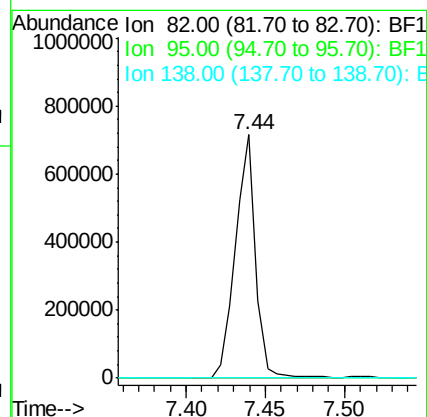
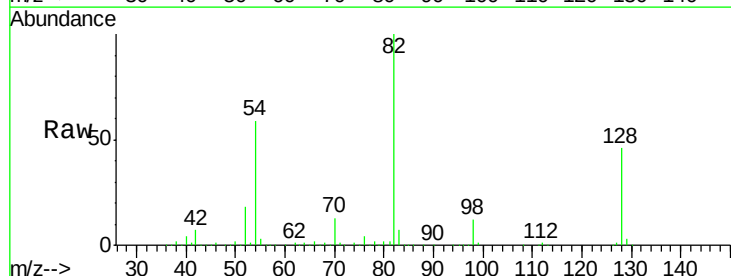
Instrument :
BNA_F
ClientSampleId :
PL-01-021418-C

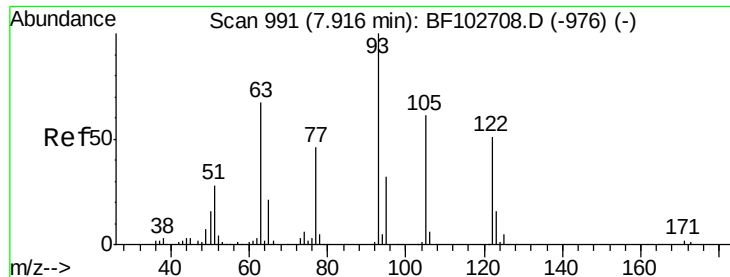
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	58.6	41.4	62.2



#25
Isophorone
Concen: 27.070 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 8.577 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.04 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

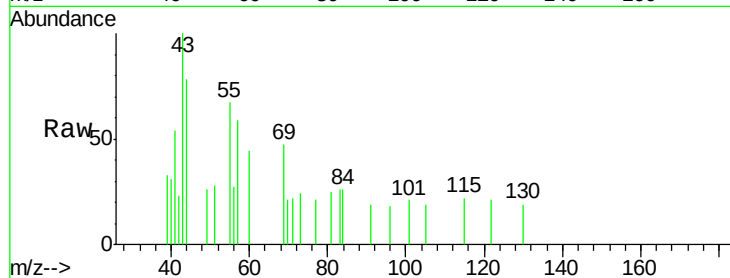
Tgt Ion:122 Resp: 243

Ion Ratio Lower Upper

122 100

105 90.2 101.1 141.1#

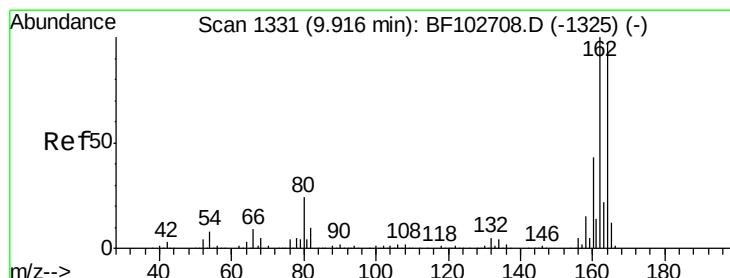
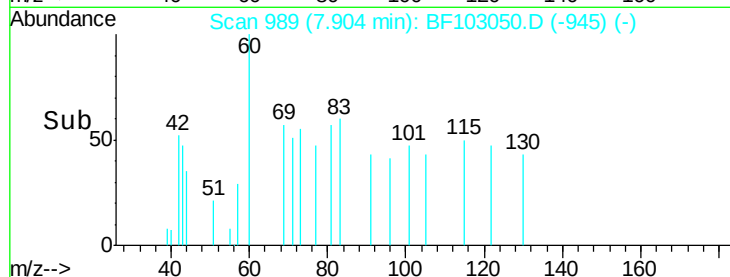
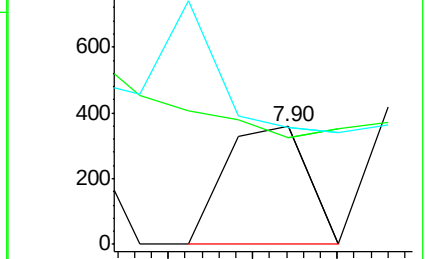
77 99.2 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

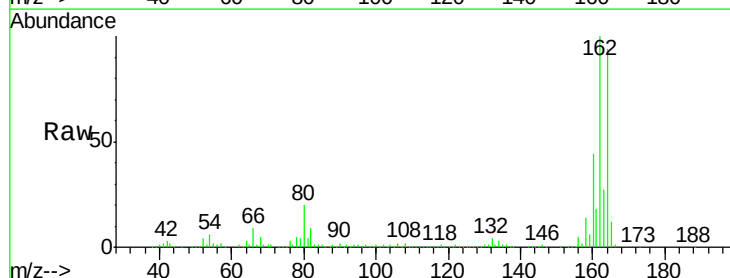
Tgt Ion:164 Resp: 285743

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

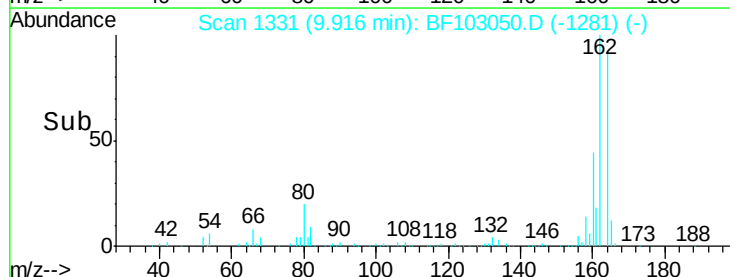
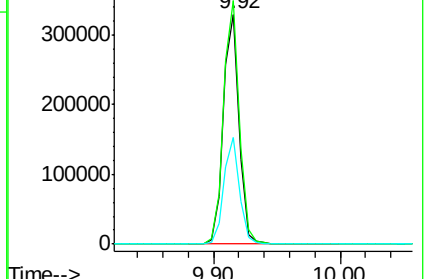
160 46.2 38.3 57.5

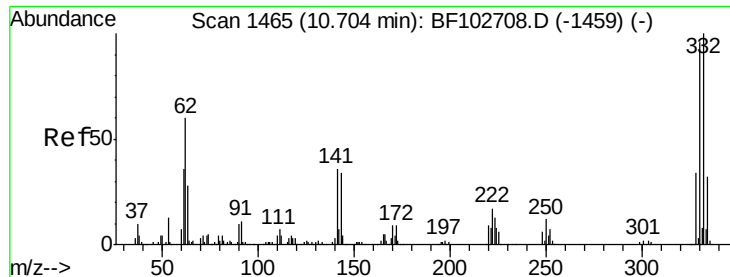


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

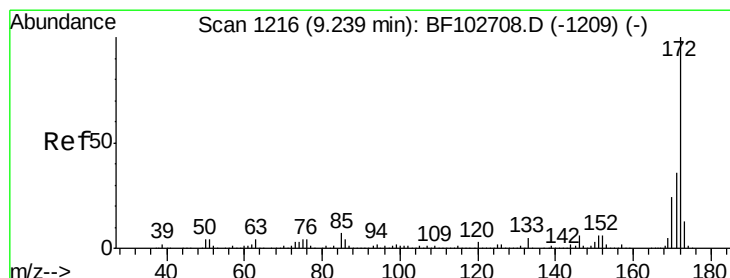
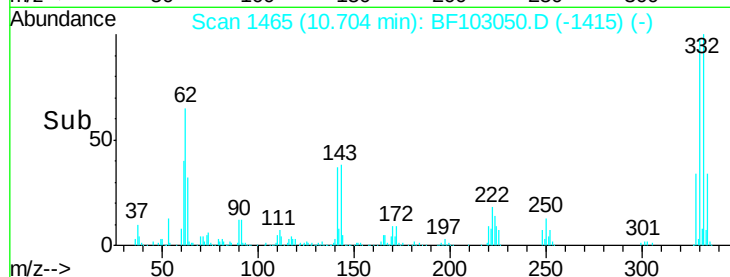
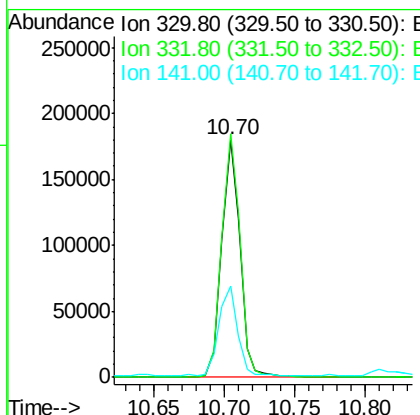
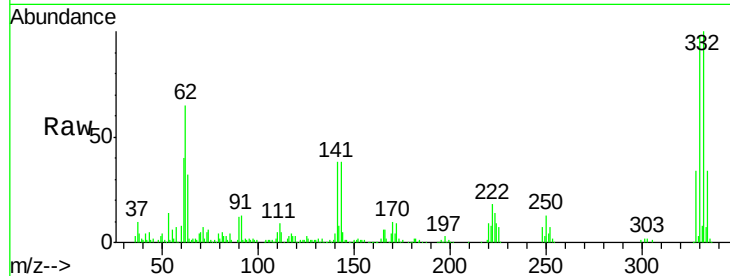




#41
 2,4,6-Tribromophenol
 Concen: 70.957 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

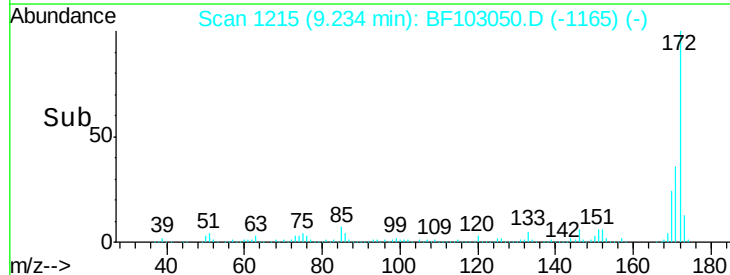
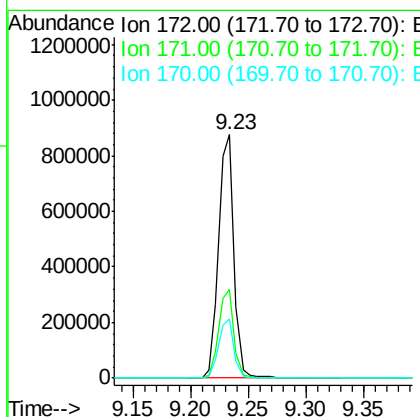
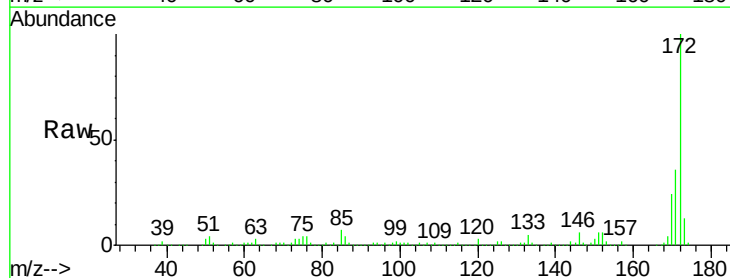
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 PL-01-021418-C

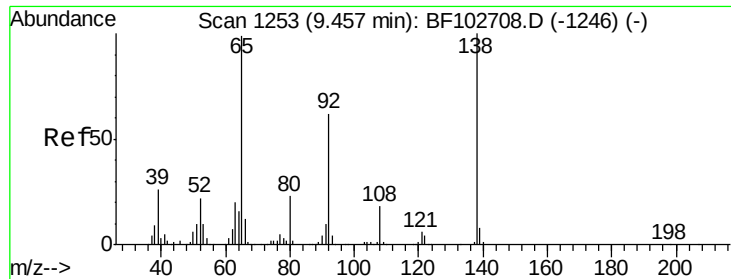
Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	39.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 47.099 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4





#47

2-Nitroaniline

Concen: 3.612 ng

RT: 9.50 min Scan# 1260

Delta R.T. 0.04 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

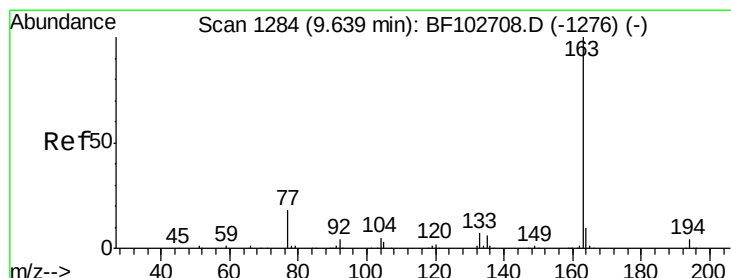
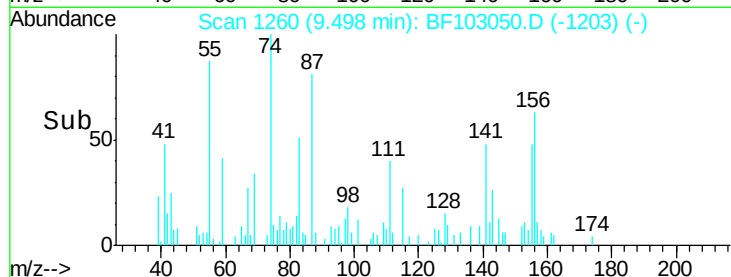
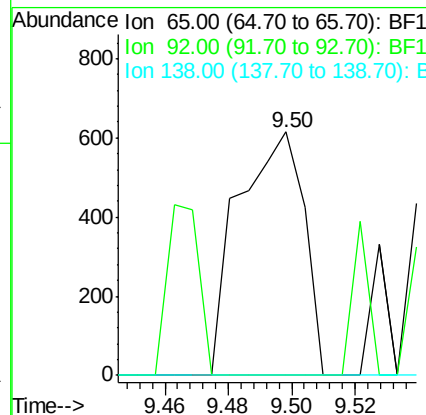
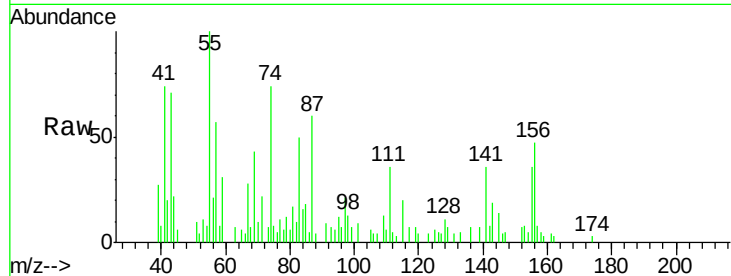
Tgt Ion: 65 Resp: 881

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 3.680 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

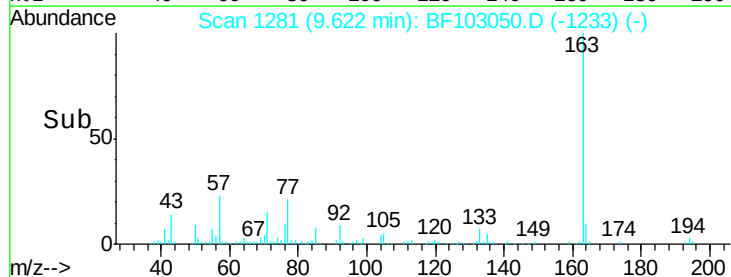
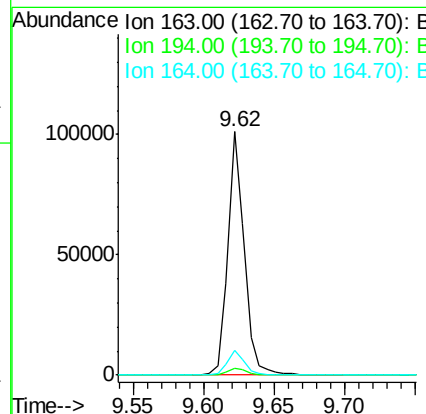
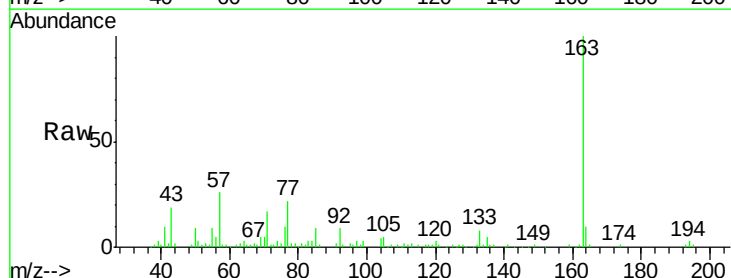
Tgt Ion: 163 Resp: 81987

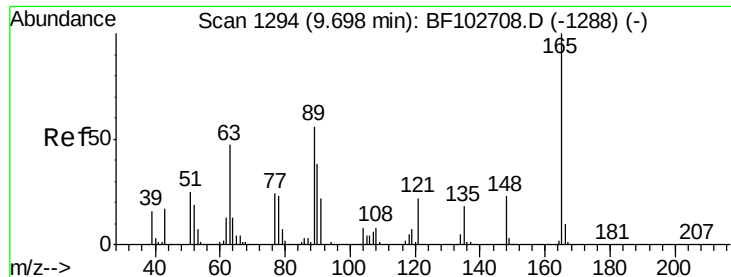
Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

164 10.1 8.2 12.2

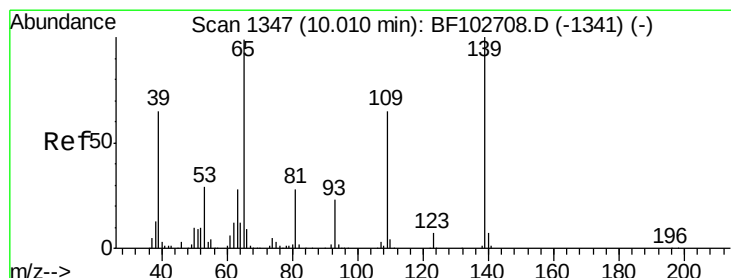
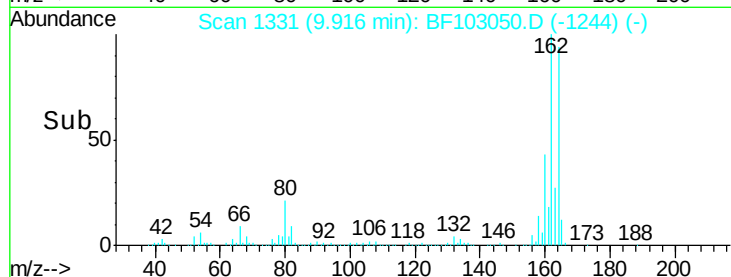
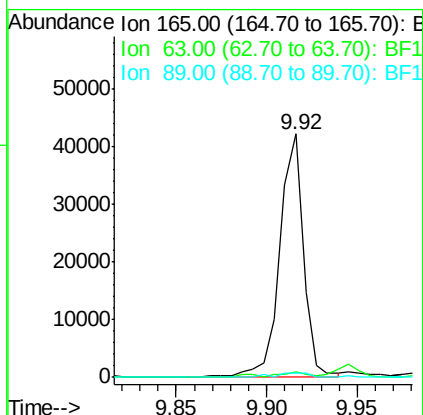
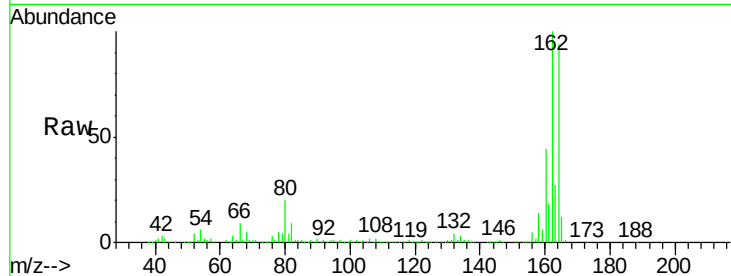




#50
 2,6-Dinitrotoluene
 Concen: 9.133 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

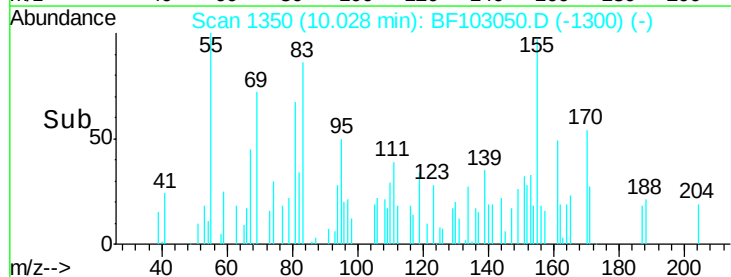
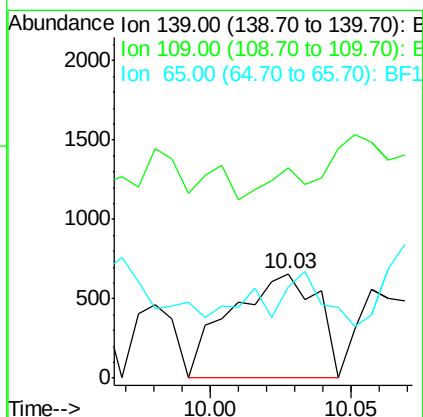
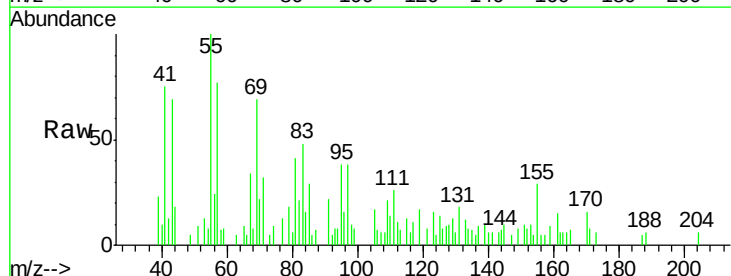
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-021418-C

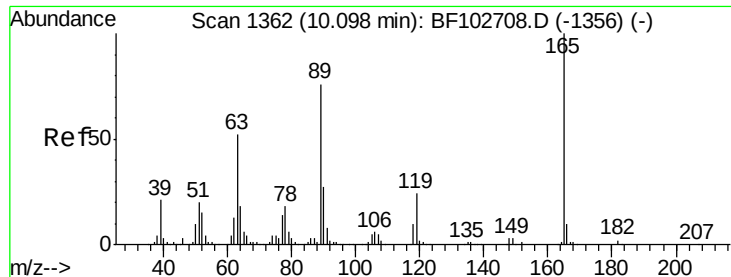
Tgt Ion:165 Resp: 38711
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.7 67.1#
 89 1.9 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.334 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

Tgt Ion:139 Resp: 1398
 Ion Ratio Lower Upper
 139 100
 109 200.5 48.4 88.4#
 65 87.3 72.6 112.6

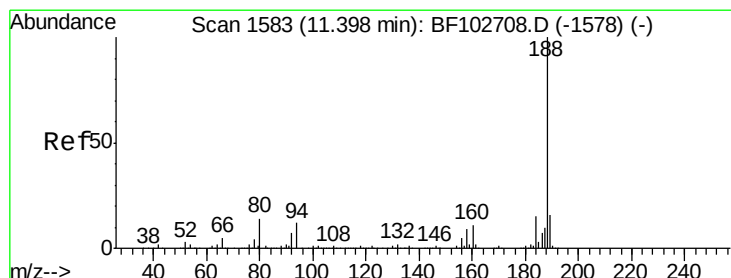
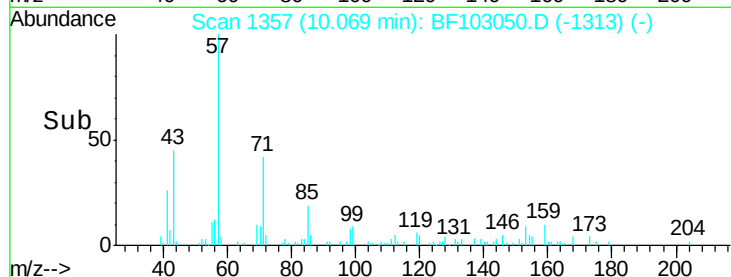
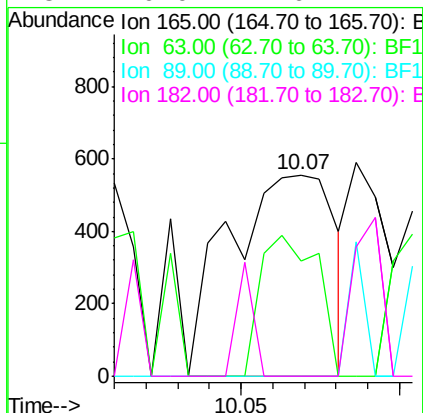
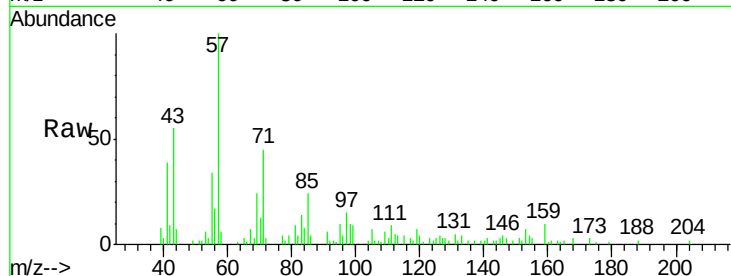




#56
2,4-Dinitrotoluene
Concen: 3.289 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.04 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

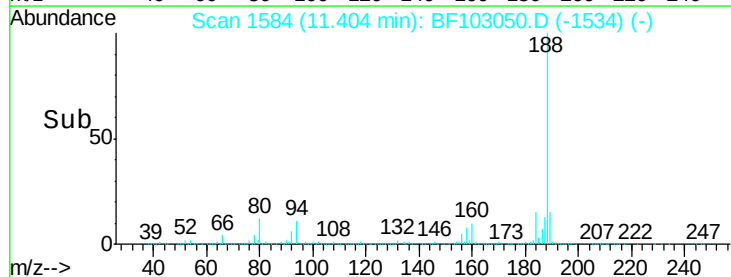
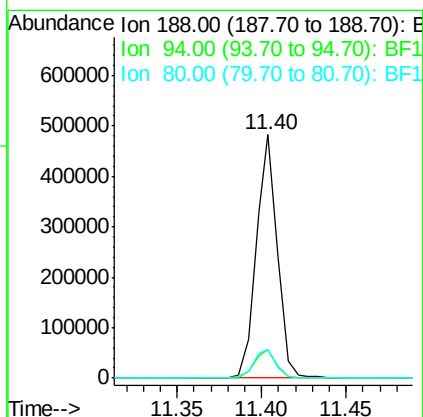
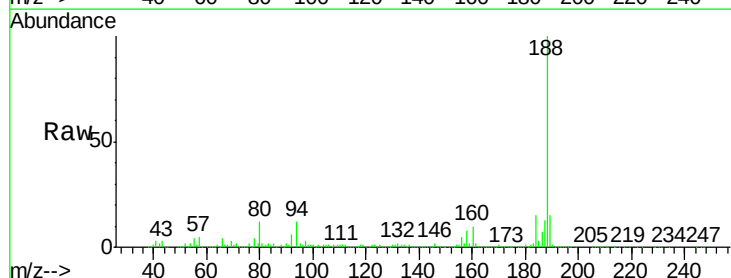
Instrument :
BNA_F
ClientSampleId :
PL-01-021418-C

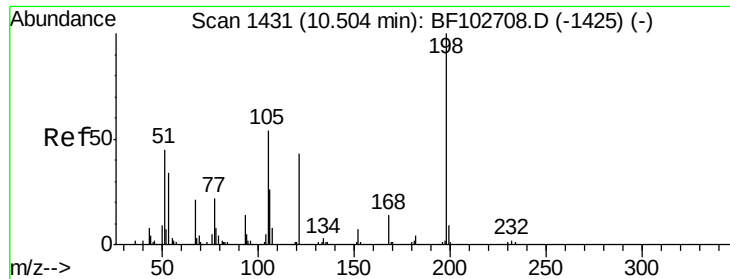
Tgt Ion:165 Resp: 1295
Ion Ratio Lower Upper
165 100
63 57.4 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Tgt Ion:188 Resp: 417465
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.0 9.2 13.8

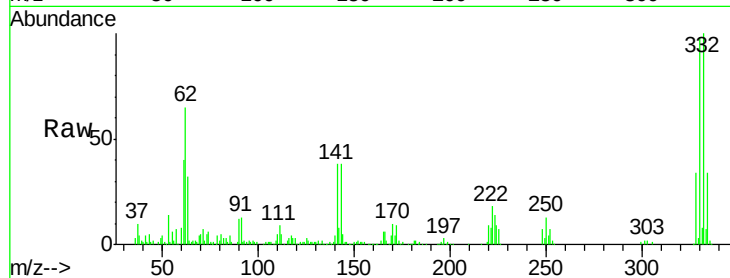




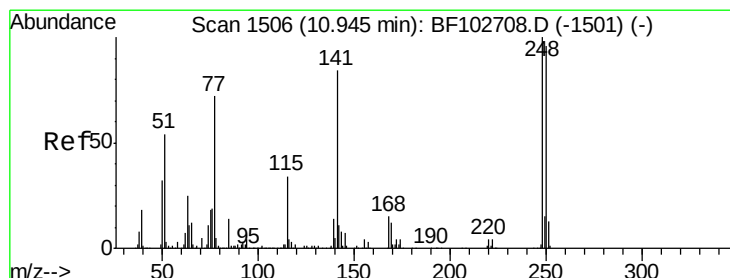
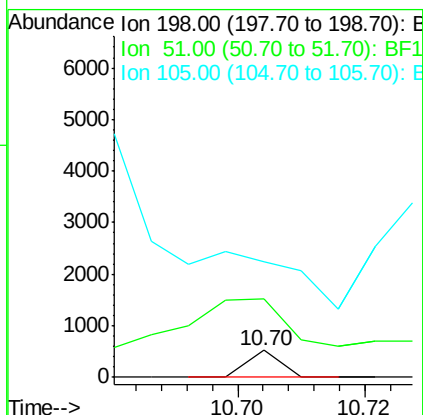
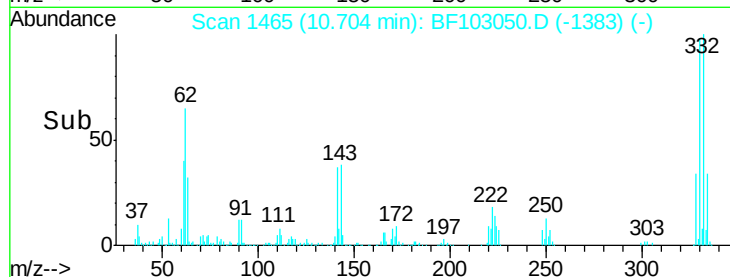
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.891 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-021418-C

Tgt Ion:198 Resp: 186
 Ion Ratio Lower Upper
 198 100
 51 288.8 37.7 77.7#
 105 425.2 36.3 76.3#

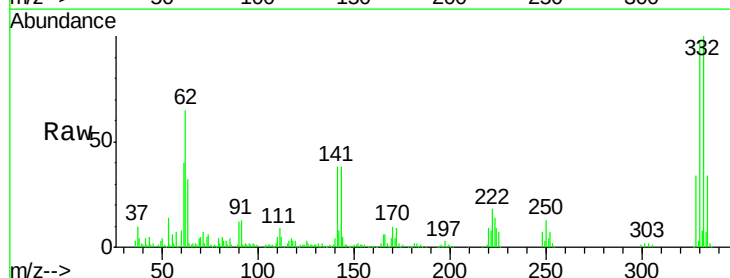


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

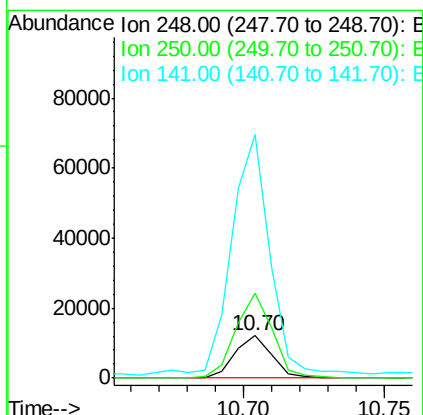
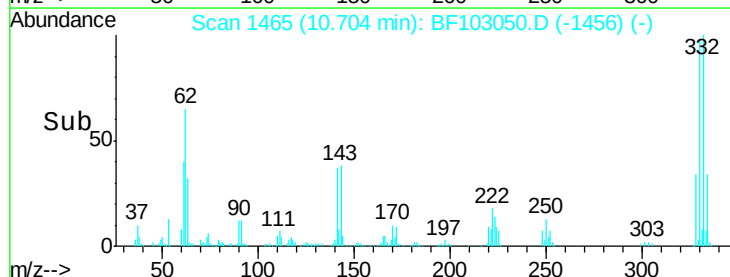


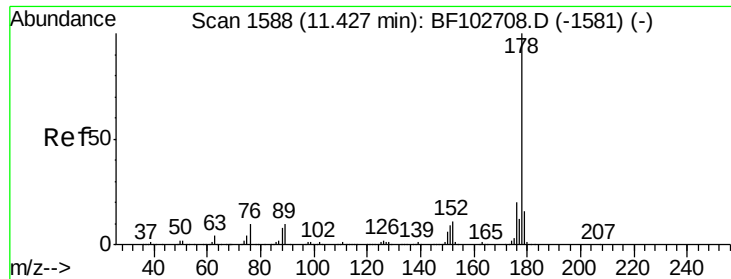
#66
 4-Bromophenyl-phenylether
 Concen: 2.445 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

Tgt Ion:248 Resp: 10797
 Ion Ratio Lower Upper
 248 100
 250 200.9 76.9 115.3#
 141 578.3 74.4 111.6#



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





#70

Phenanthrene

Concen: 8.005 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

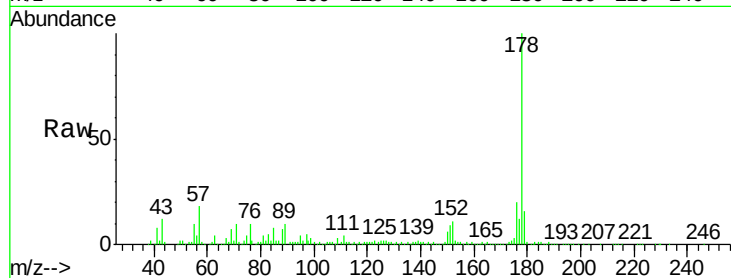
Tgt Ion:178 Resp: 186116

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

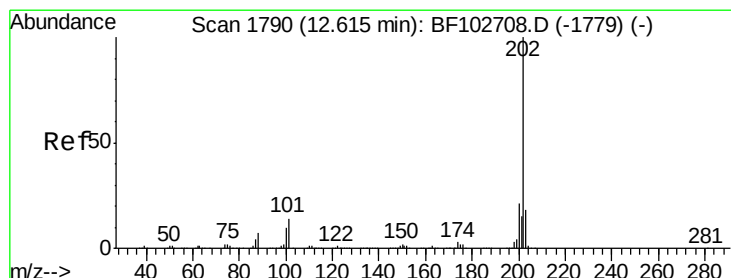
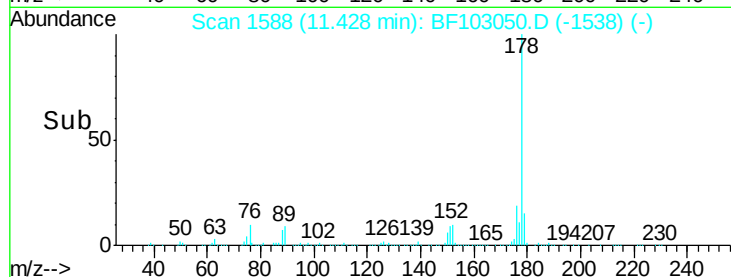
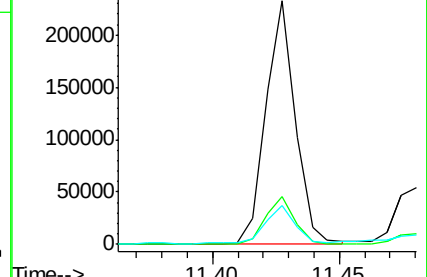
179 15.8 13.0 19.6



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: 9.264 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

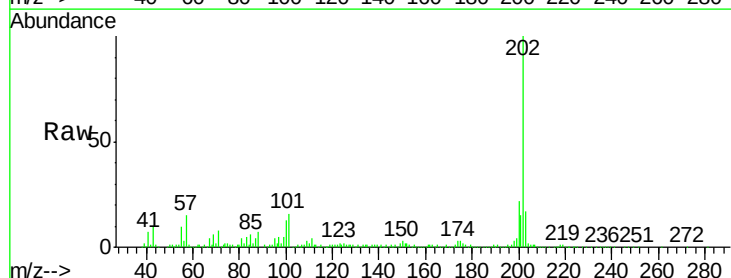
Tgt Ion:202 Resp: 216701

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.1

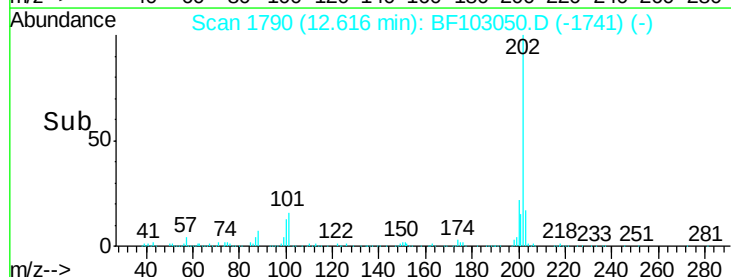
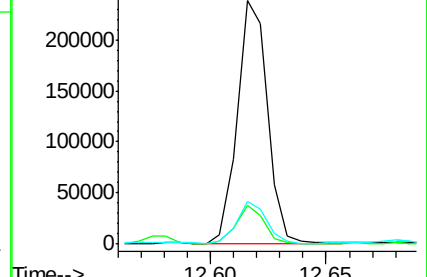
203 17.4 0.0 38.1

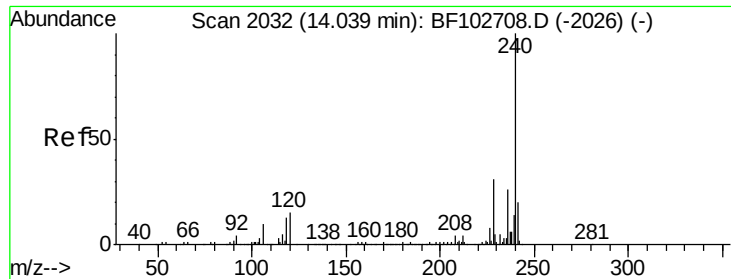


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

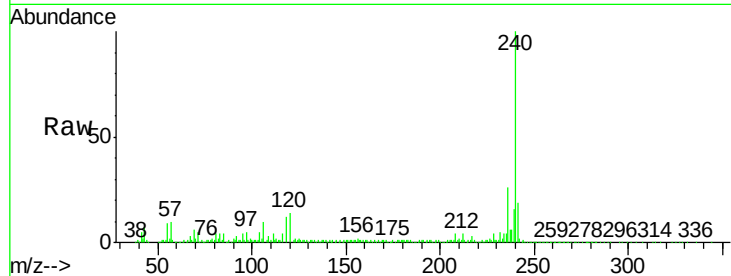
Tgt Ion:240 Resp: 308544

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

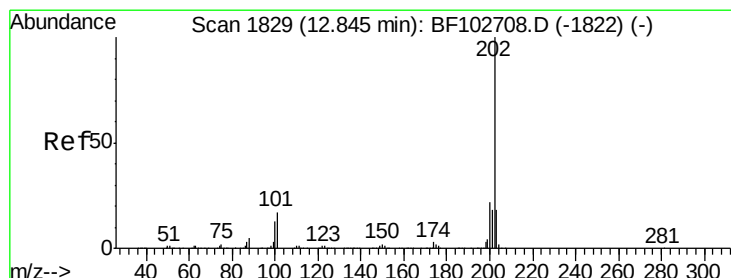
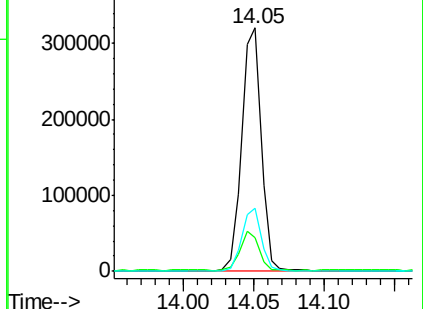
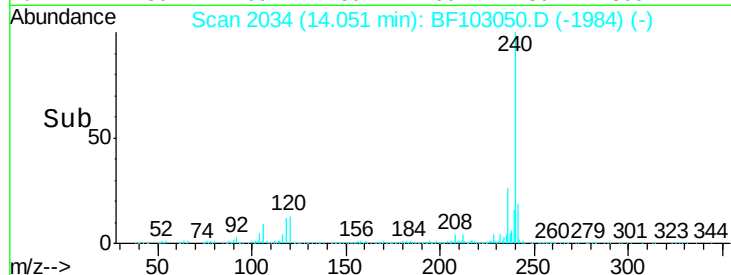
236 25.7 20.7 31.1



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: 7.634 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

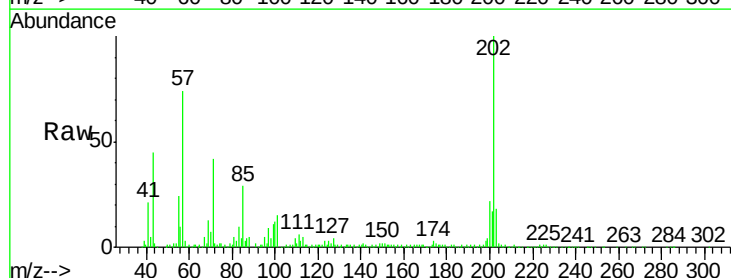
Tgt Ion:202 Resp: 184711

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

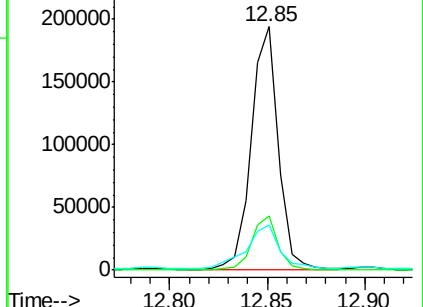
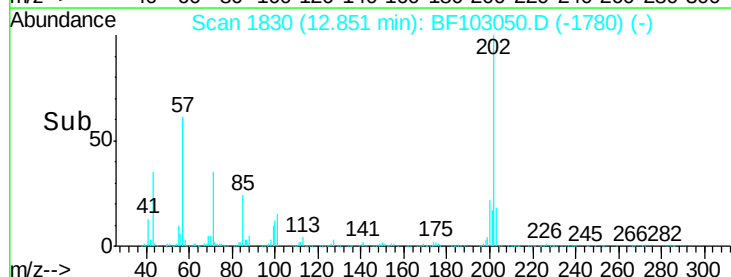
203 18.4 14.3 21.5

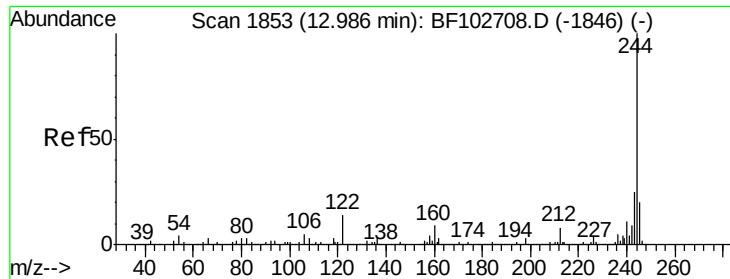


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.799 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

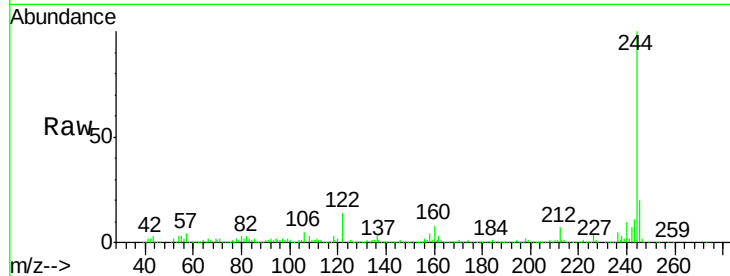
Tgt Ion:244 Resp: 557718

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

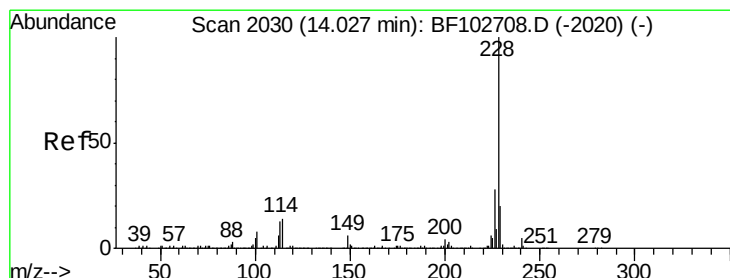
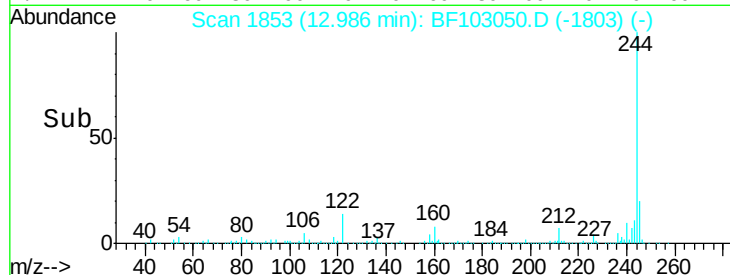
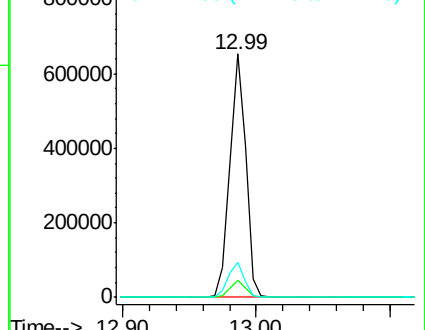
122 14.2 11.0 16.4



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: 3.996 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

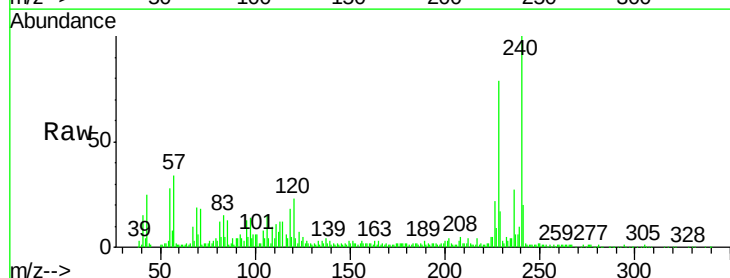
Tgt Ion:228 Resp: 77541

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

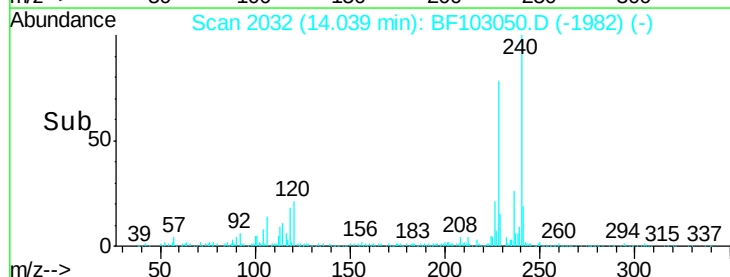
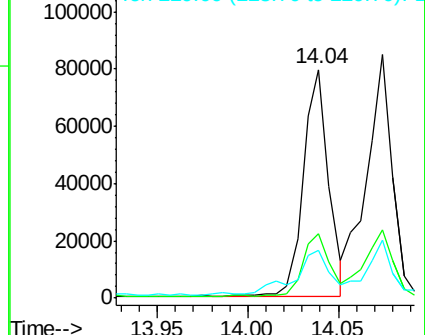
229 21.0 15.8 23.6

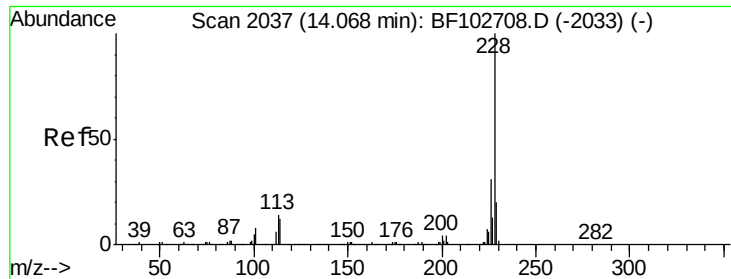


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

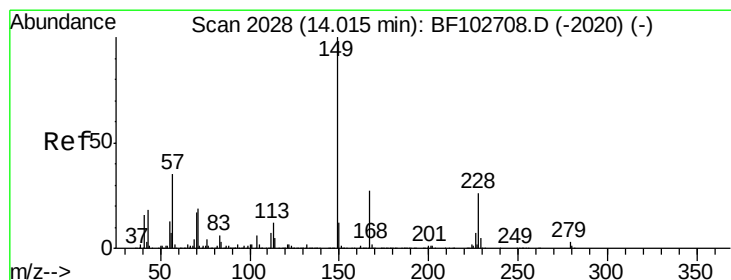
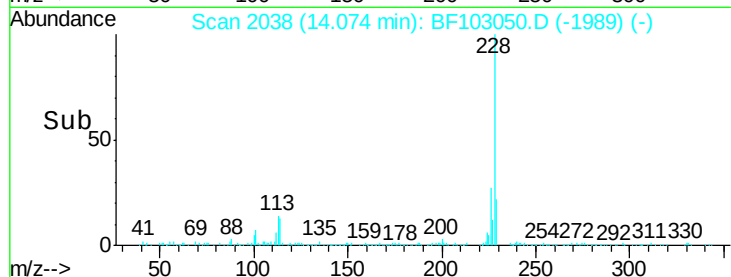
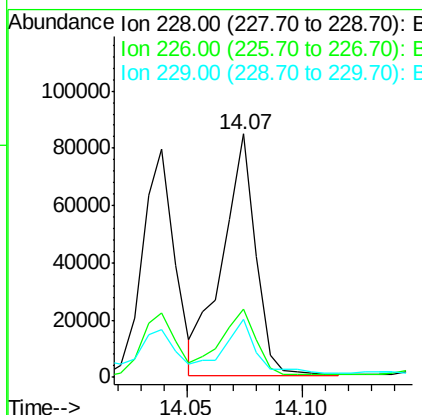
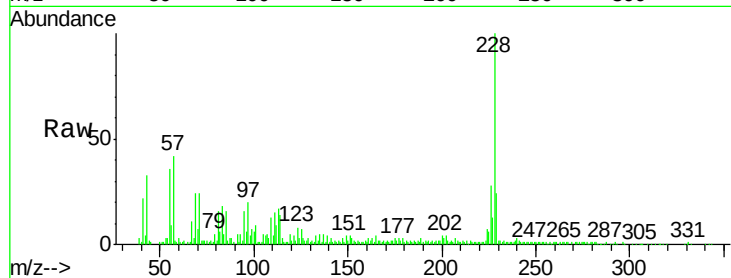




#82
Chrysene
 Concen: 4.349 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

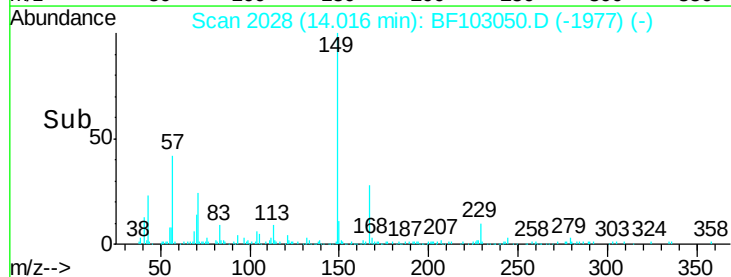
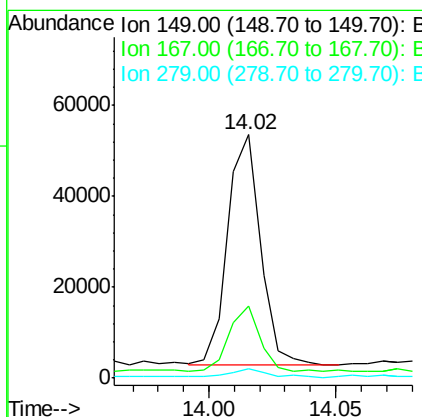
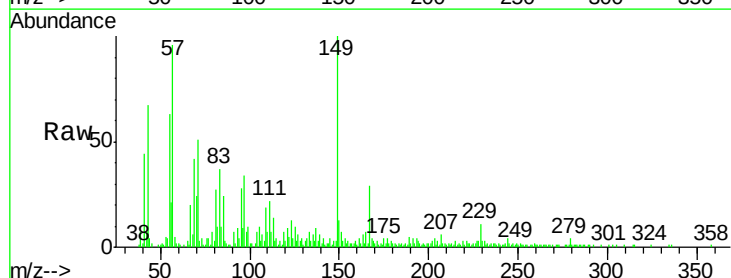
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-021418-C

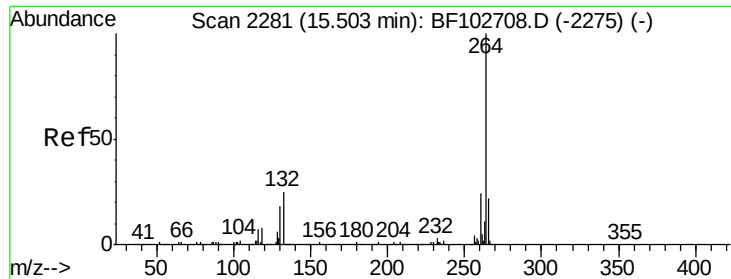
Tgt Ion: 228 Resp: 85063
 Ion Ratio Lower Upper
 228 100
 226 27.8 25.0 37.6
 229 24.0 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
 Concen: 3.063 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF103050.D
 Acq: 16 Feb 2018 14:19

Tgt Ion: 149 Resp: 45394
 Ion Ratio Lower Upper
 149 100
 167 29.4 21.3 31.9
 279 3.8 3.0 4.4

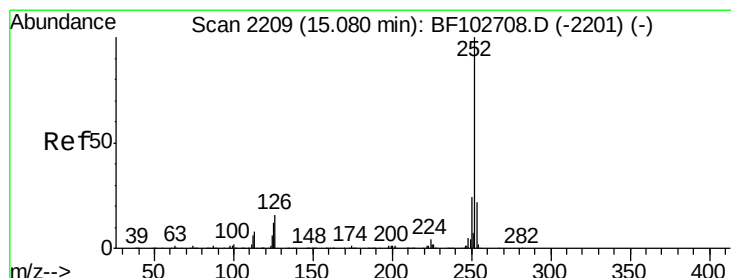
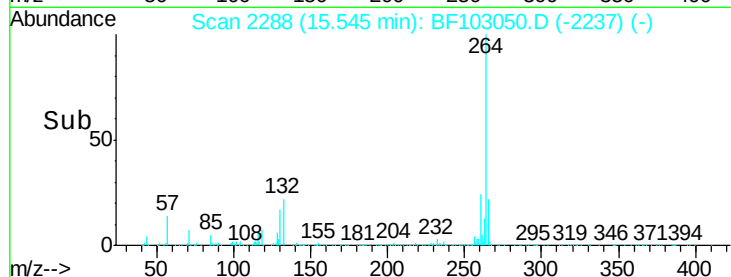
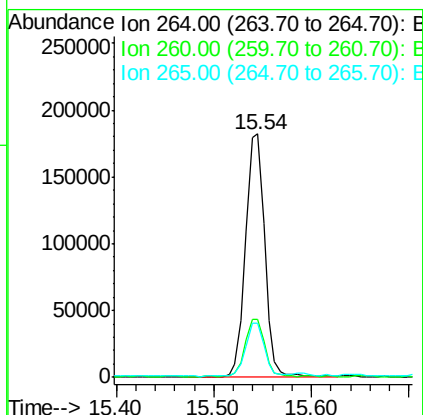
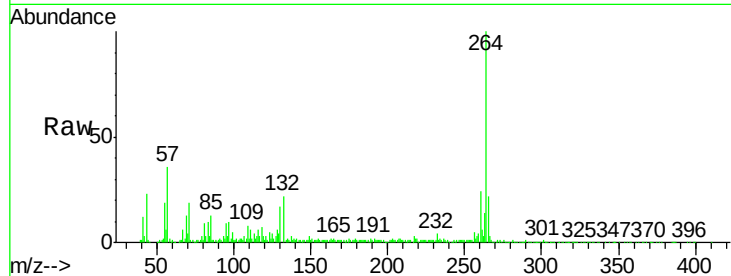




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

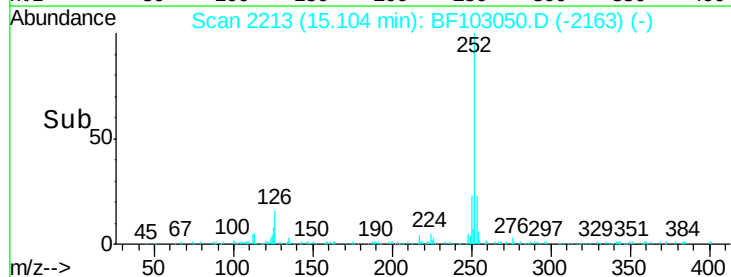
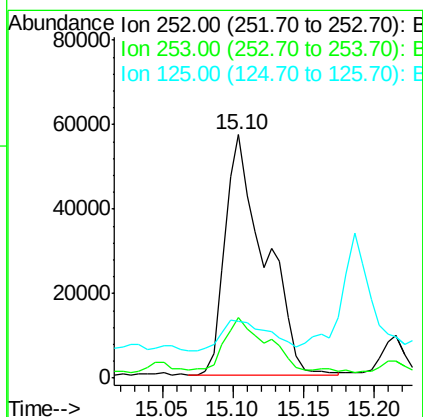
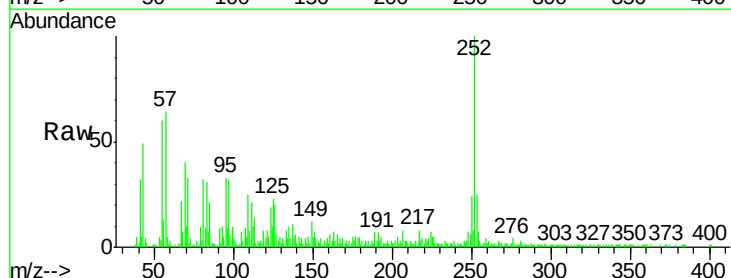
Instrument :
BNA_F
ClientSampleId :
PL-01-021418-C

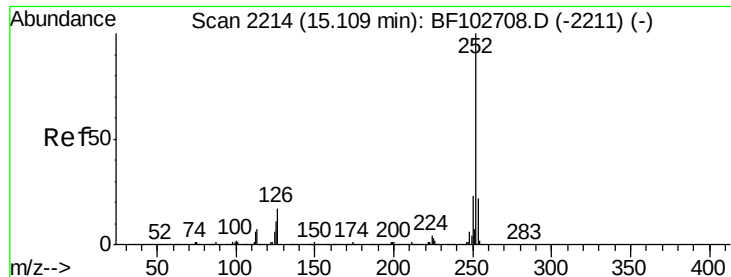
Tgt Ion: 264 Resp: 249084
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.955 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Tgt Ion: 252 Resp: 112321
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 23.3 9.0 13.6#

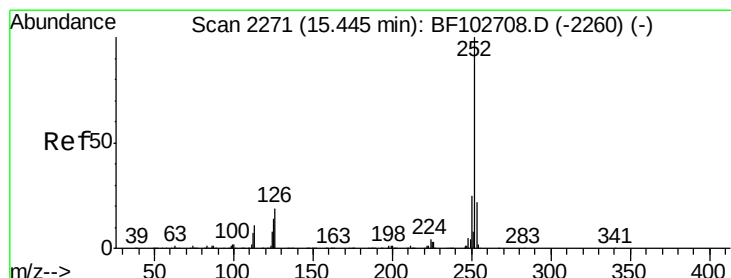
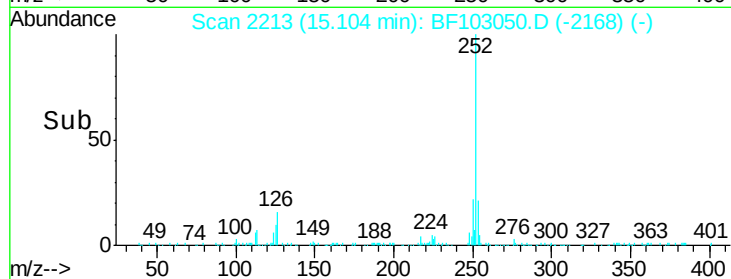
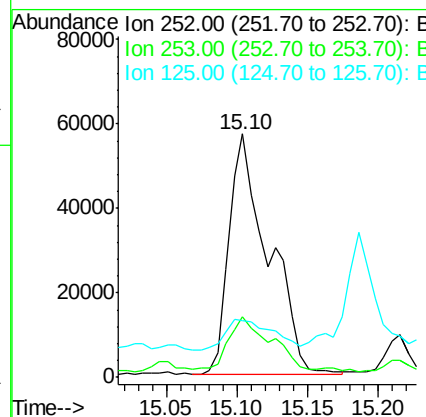
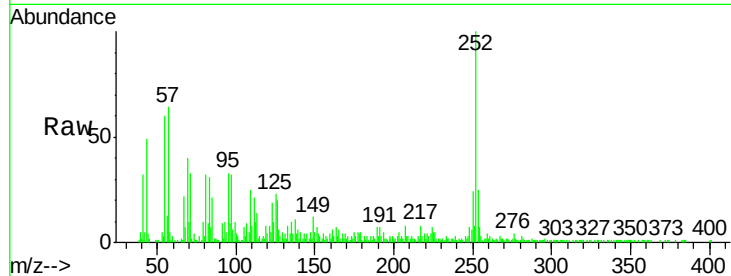




#88
Benzo(k)fluoranthene
Concen: 7.279 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

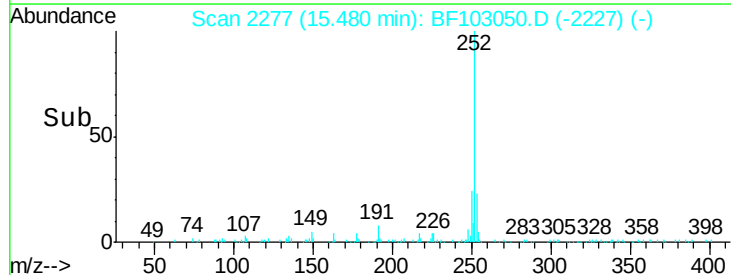
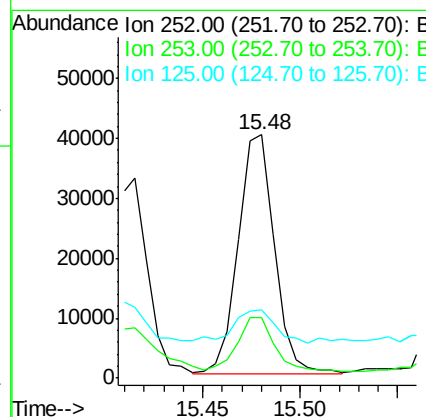
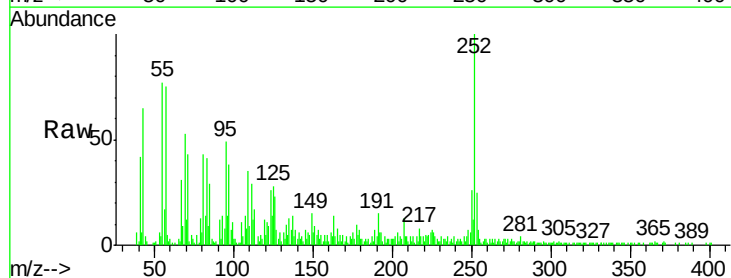
Instrument :
BNA_F
ClientSampleId :
PL-01-021418-C

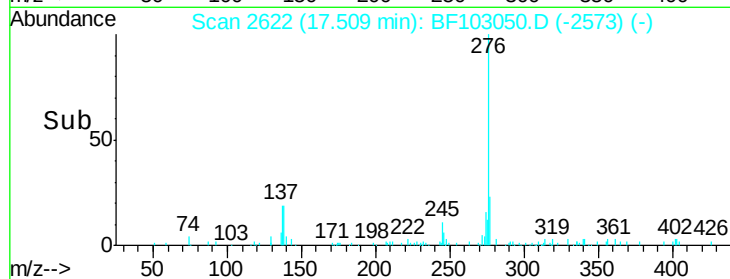
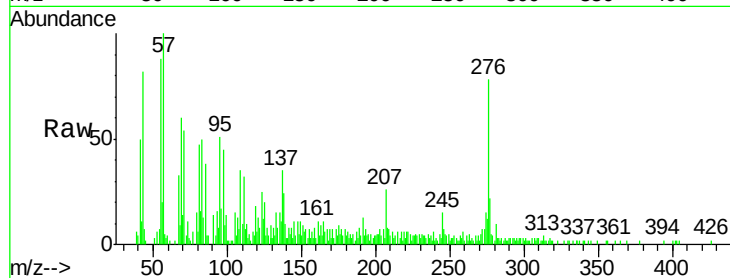
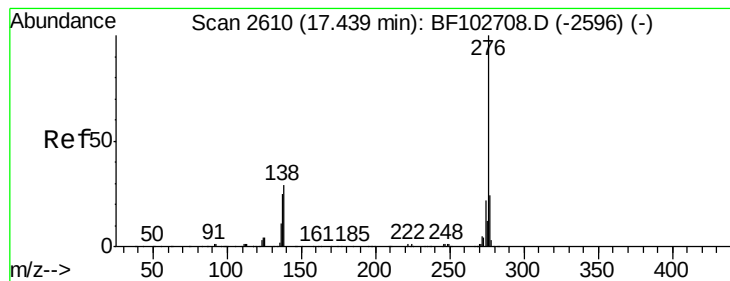
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	23.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.546 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF103050.D
Acq: 16 Feb 2018 14:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	27.9	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 2.506 ng

RT: 17.51 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BF103050.D

Acq: 16 Feb 2018 14:19

Instrument :

BNA_F

ClientSampleId :

PL-01-021418-C

Tgt Ion: 276 Resp: 28941

Ion Ratio Lower Upper

276 100

277 27.6 17.9 26.9#

138 30.6 21.8 32.8

