

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103361.D
 Acq On : 2 Mar 2018 12:51
 Operator : SJ/JU
 Sample : J1402-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Quant Time: Mar 02 13:31:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146811	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	621384	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	266684	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	414365	20.00	ng	0.00
75) Chrysene-d12	14.06	240	242318	20.00	ng	0.00
86) Perylene-d12	15.57	264	260826	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	812418	83.69	ng	0.00
7) Phenol-d6	6.51	99	961171	80.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	629657	57.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	154137	68.28	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	919357	54.31	ng	0.00
78) Terphenyl-d14	12.99	244	600725	59.59	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	84537	11.436	ng	# 81
25) Isophorone	7.44	82	629653	29.382	ng	# 64
32) Benzoic acid	7.98	122	509	6.982	ng	92
49) Dimethylphthalate	9.63	163	59808	2.796	ng	99
50) 2,6-Dinitrotoluene	9.92	165	33724	7.512	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	33724	5.939	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	279	5.045	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	10490	2.430	ng	# 1
70) Phenanthrene	11.43	178	96826	4.246	ng	97
74) Fluoranthene	12.63	202	215981	9.425	ng	98
77) Pyrene	12.86	202	188680	9.987	ng	99
80) Benzo(a)anthracene	14.05	228	87651	5.575	ng	99
82) Chrysene	14.09	228	88262	5.782	ng	99
85) Indeno(1,2,3-cd)pyrene	17.10	276	63644	5.266	ng	99
87) Benzo(b)fluoranthene	15.13	252	179996	10.496	ng	# 96
88) Benzo(k)fluoranthene	15.13	252	179996	11.146	ng	# 95
89) Benzo(a)pyrene	15.50	252	96824	6.323	ng	# 96
91) Benzo(g,h,i)perylene	17.57	276	67061	5.798	ng	93

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

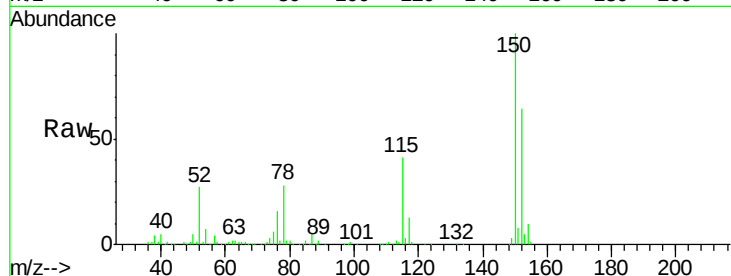


#1

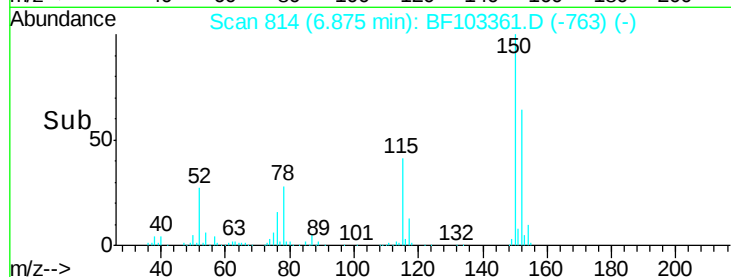
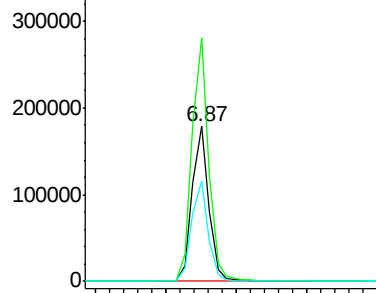
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	65.0	50.1	75.1



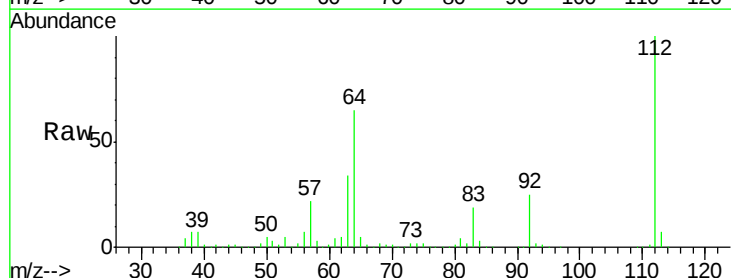
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



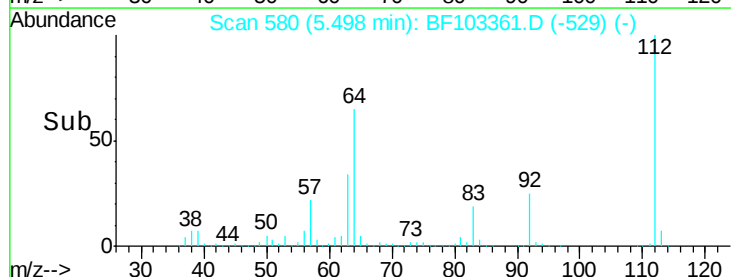
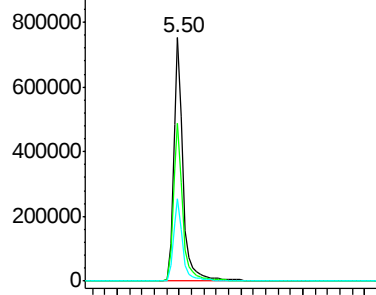
#5

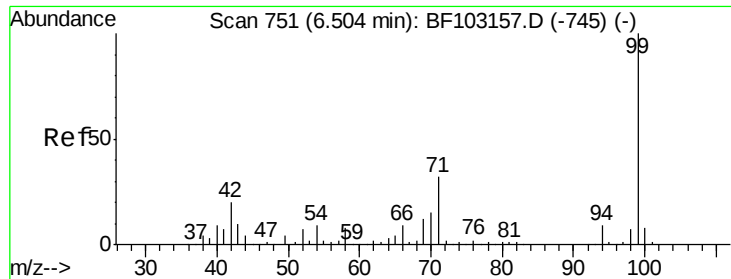
2-Fluorophenol
 Concen: 83.694 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	34.0	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: 80.921 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-A

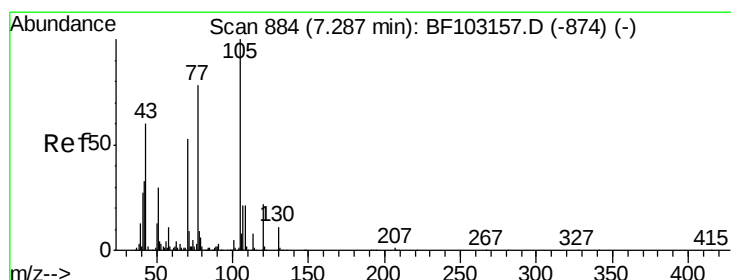
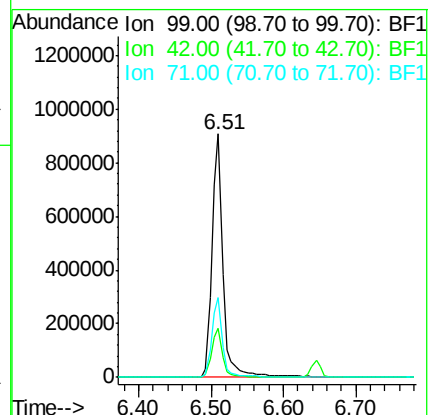
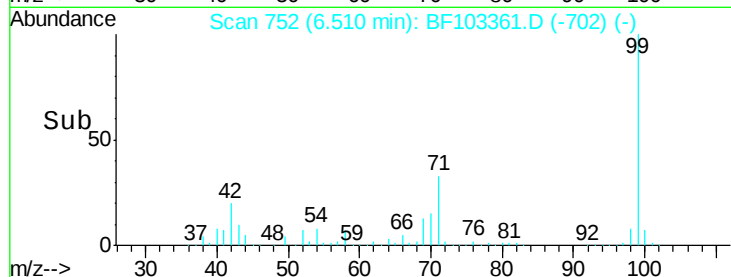
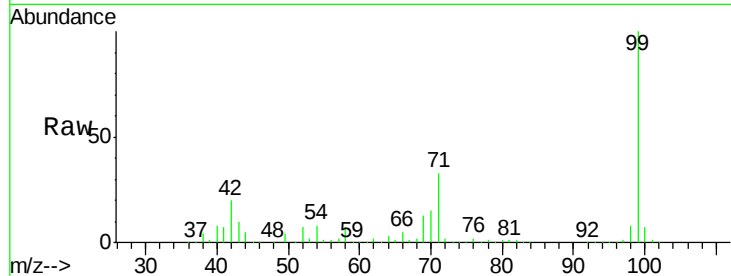
Tot Ion: 99 Resp: 961171

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.436 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Tgt Ion: 70 Resp: 84537

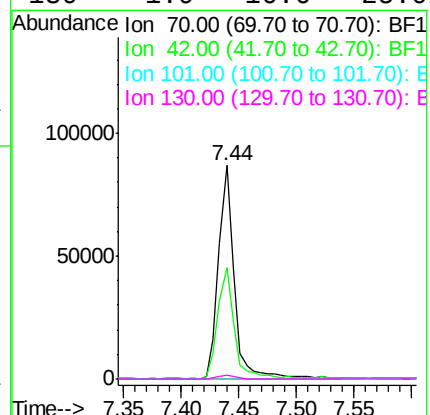
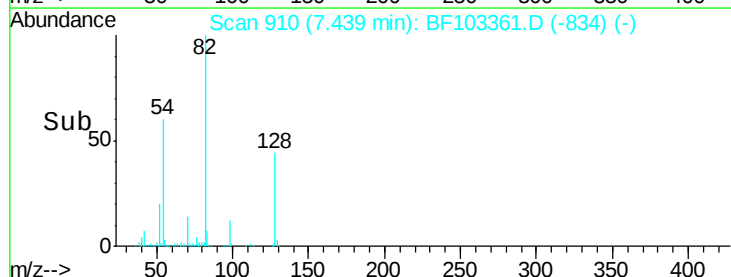
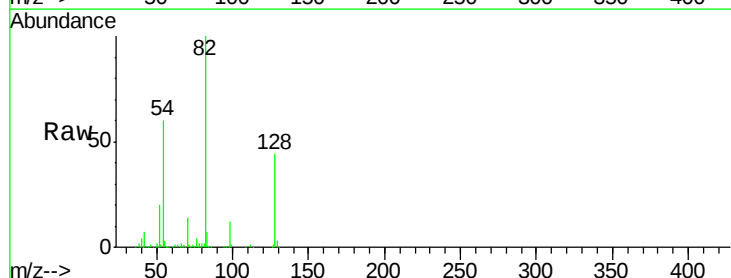
Ion Ratio Lower Upper

70 100

42 52.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

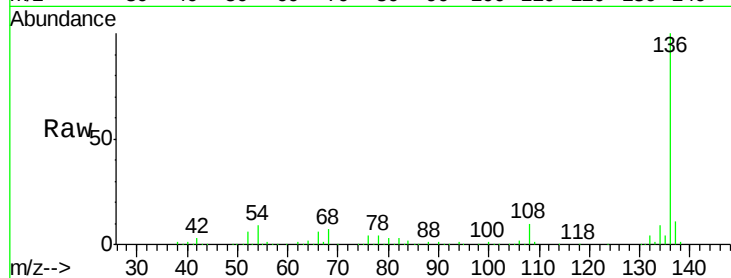




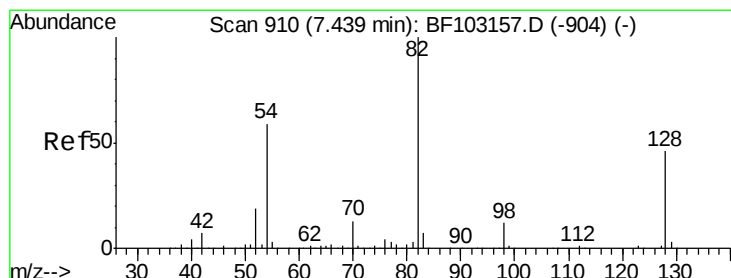
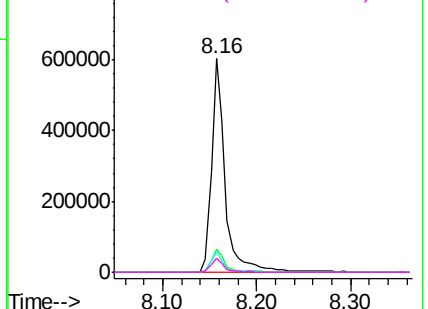
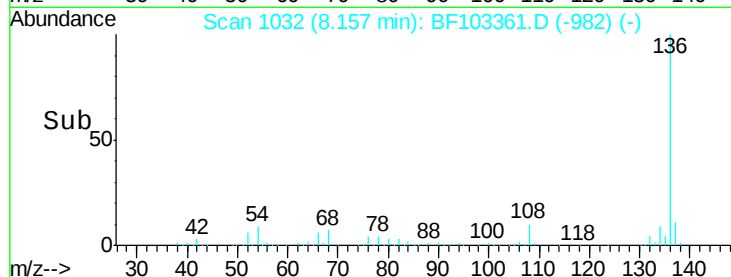
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

Tot Ion:136 Resp: 621384
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.4 6.6 9.8
68 6.5 5.0 7.4

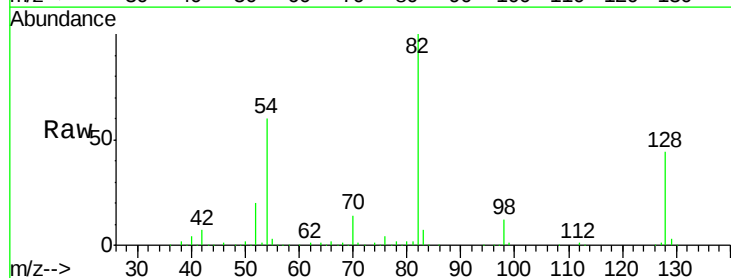


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

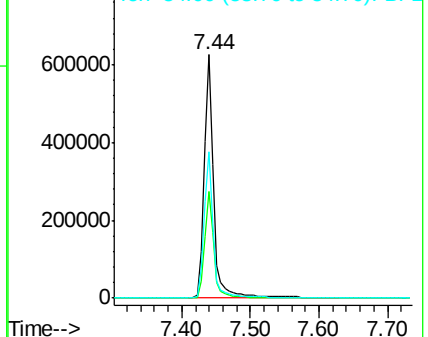
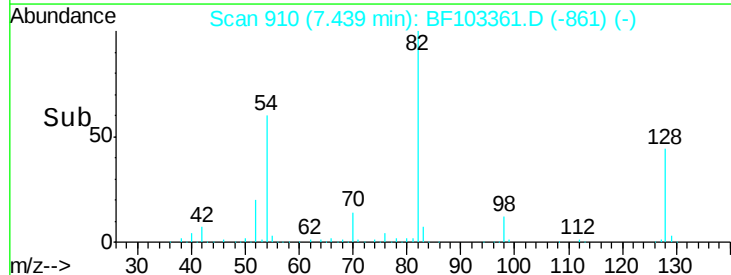


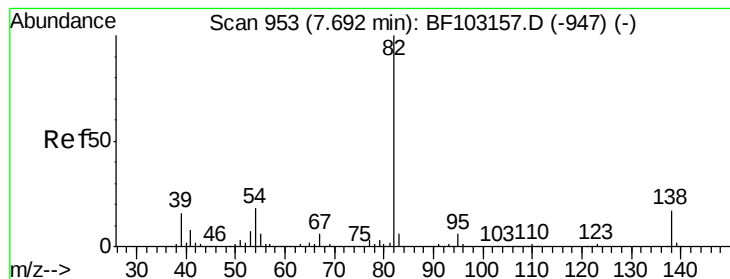
#23
Nitrobenzene-d5
Concen: 57.869 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion: 82 Resp: 629657
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 60.2 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: 29.382 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-A

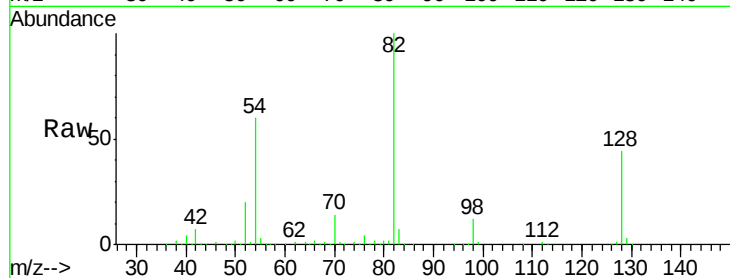
Tot Ion: 82 Resp: 629653

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

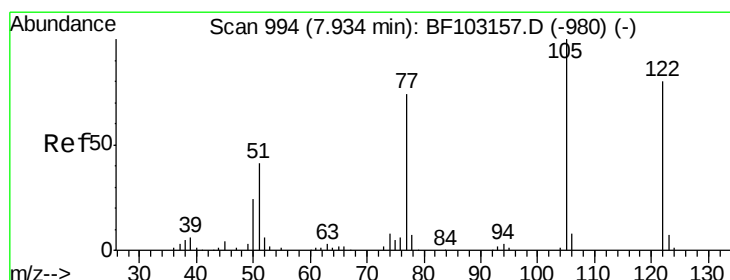
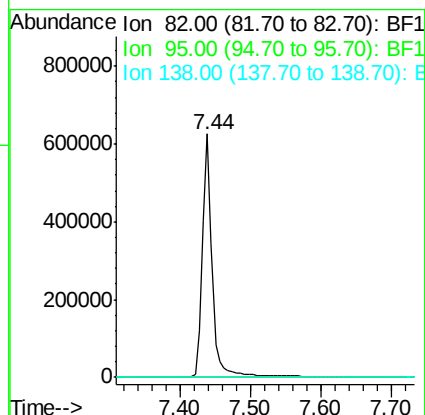
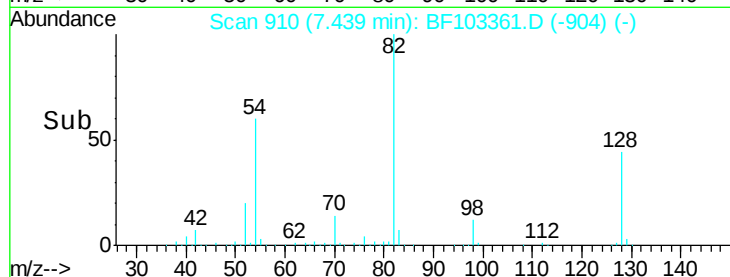


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#32

Benzoic acid

Concen: 6.982 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

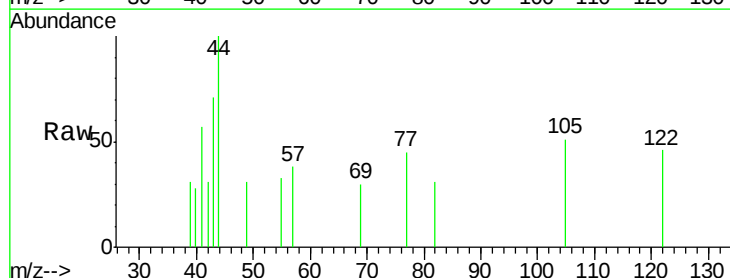
Tgt Ion: 122 Resp: 509

Ion Ratio Lower Upper

122 100

105 112.1 101.1 141.1

77 97.9 70.7 110.7

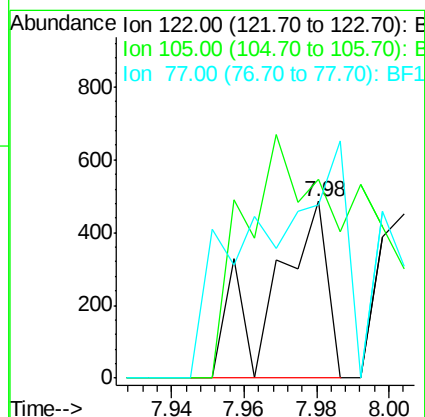
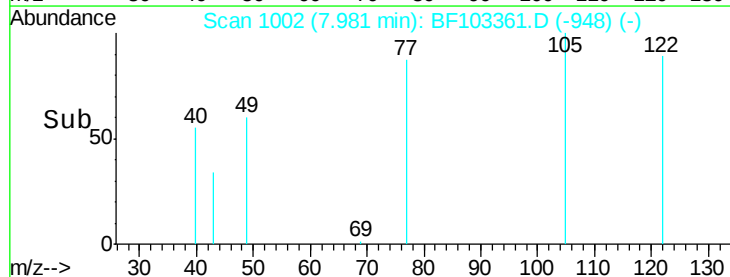


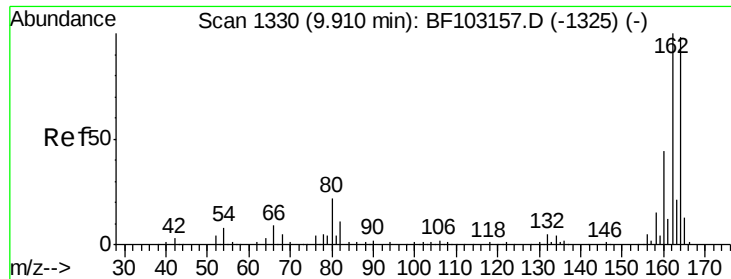
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->

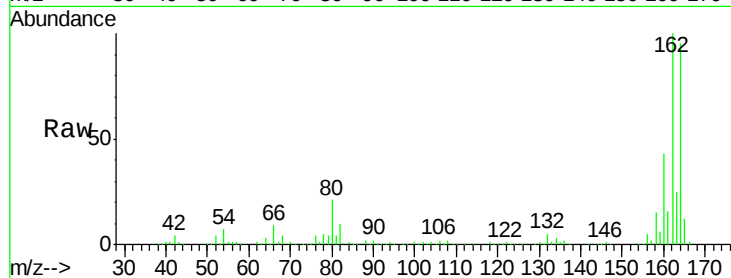




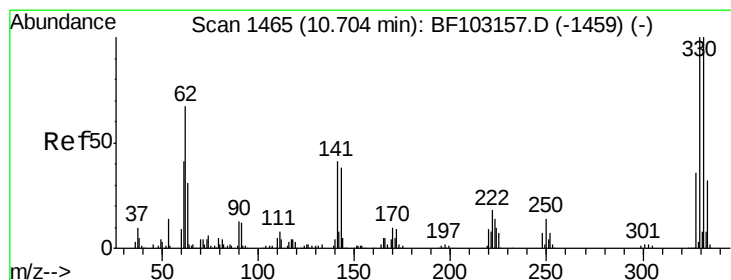
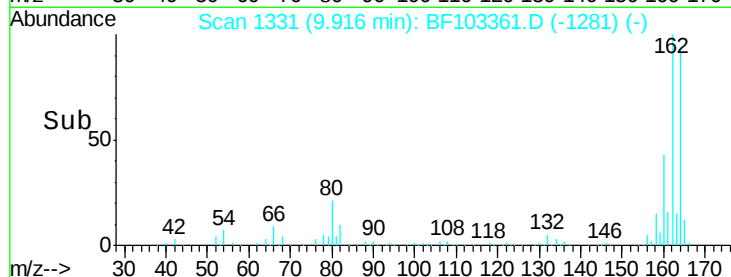
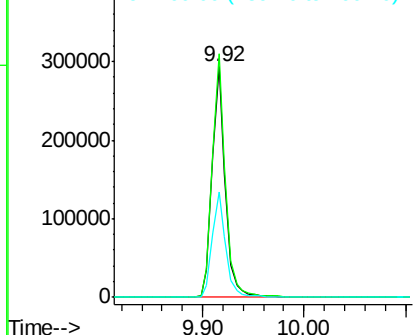
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Tot Ion:164 Resp: 266684
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 45.8 38.3 57.5

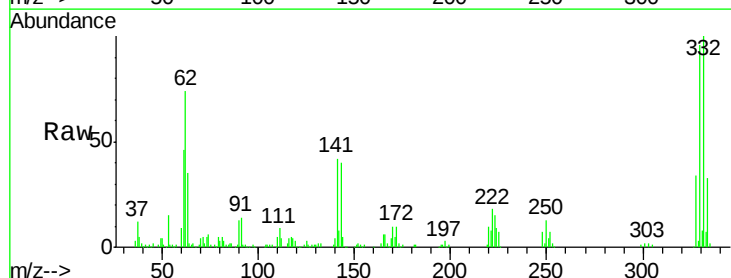


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

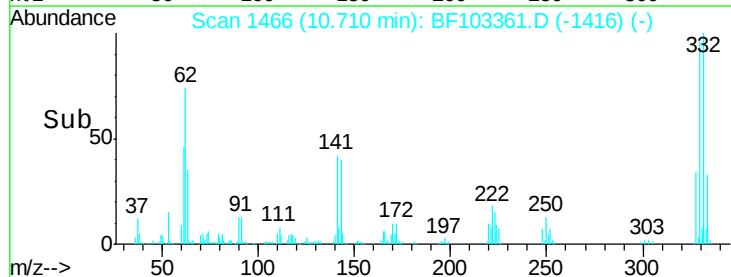
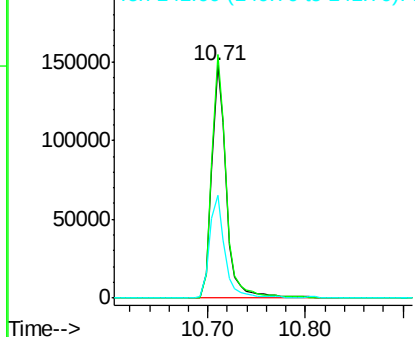


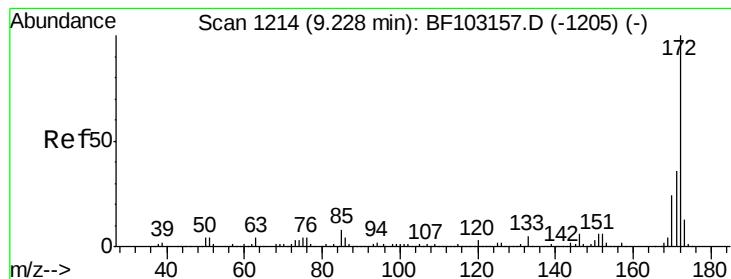
#41
 2,4,6-Tribromophenol
 Concen: 68.283 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Tgt Ion:330 Resp: 154137
 Ion Ratio Lower Upper
 330 100
 332 103.9 77.0 115.6
 141 46.3 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: 54.314 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

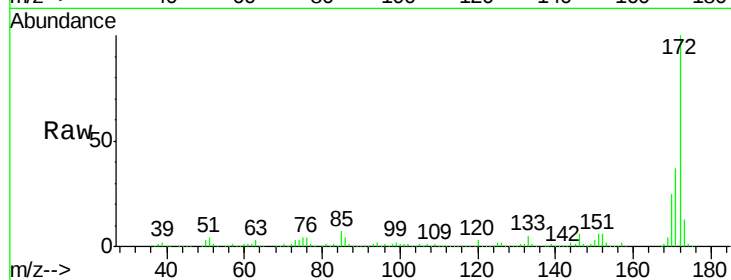
BNA_F

ClientSampleId :

PL-01-022818-A

Tot Ion:172 Resp: 919357

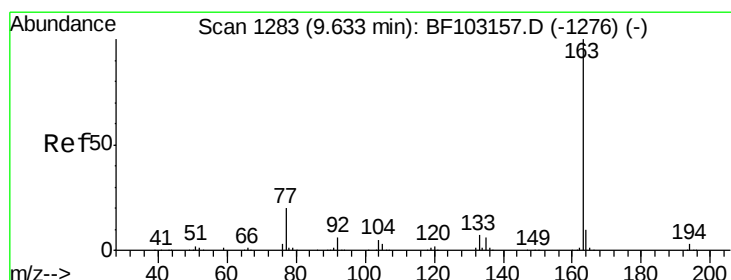
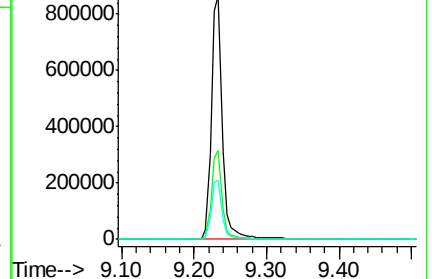
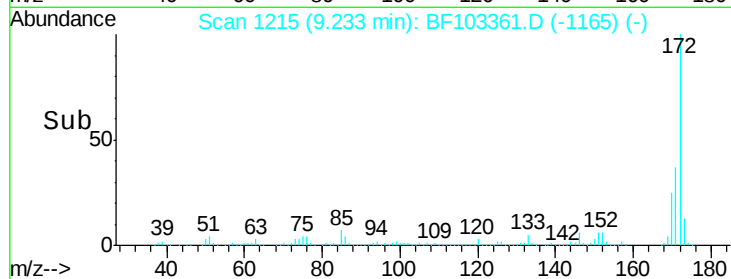
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.5	19.6	29.4



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: 2.796 ng

RT: 9.63 min Scan# 1282

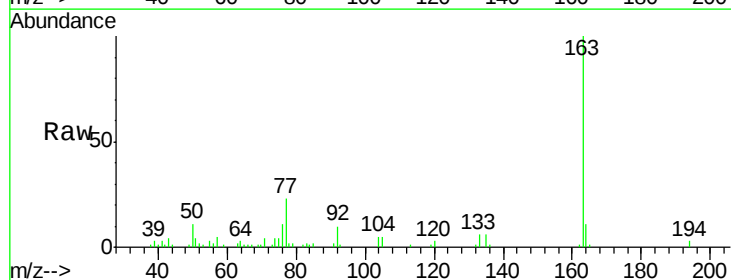
Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Tgt Ion:163 Resp: 59808

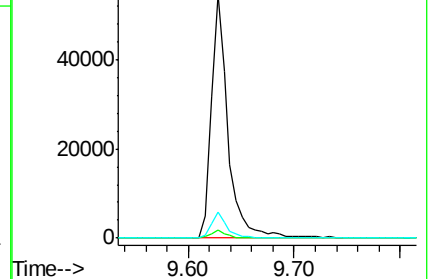
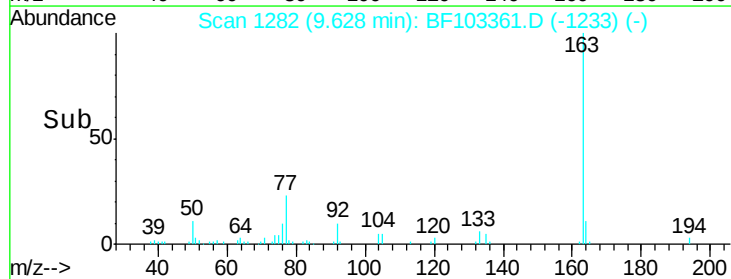
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.9	8.2	12.2

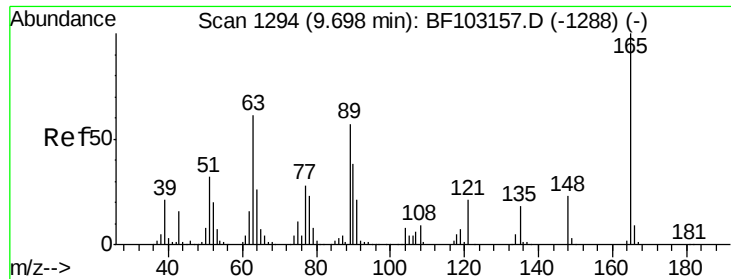


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

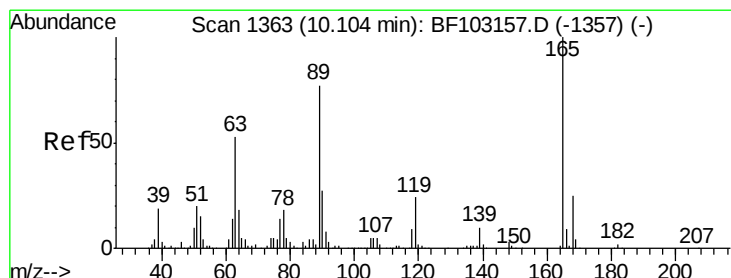
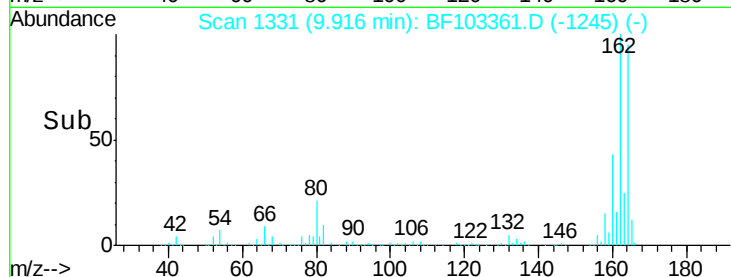
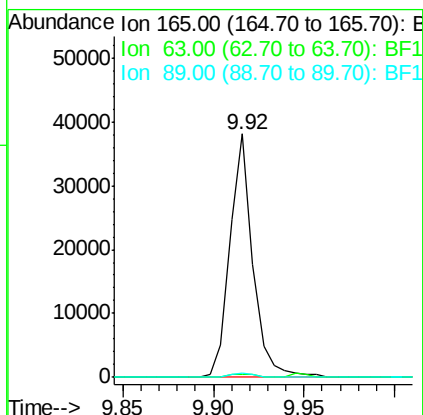
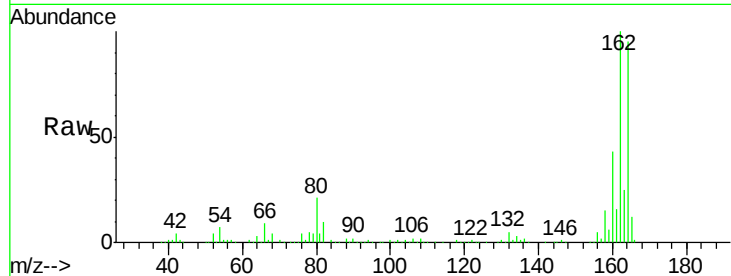




#50
2,6-Dinitrotoluene
Concen: 7.512 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

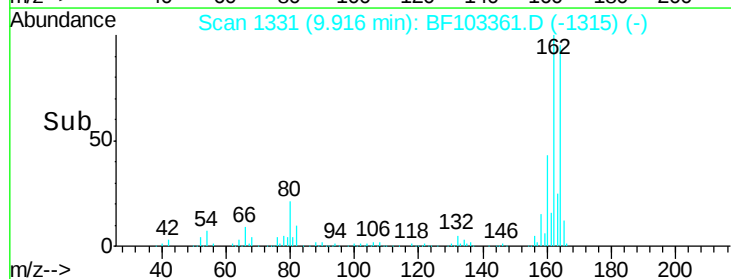
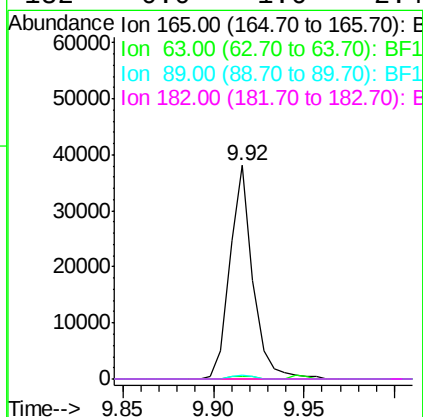
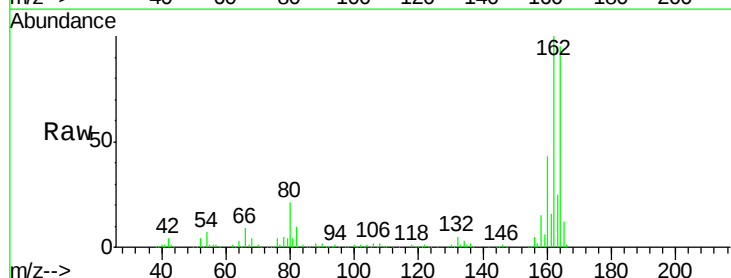
Instrument :
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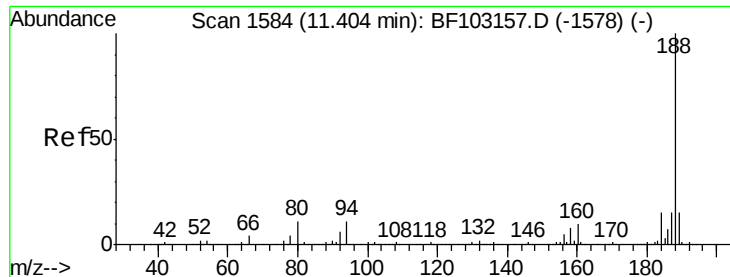
Tot Ion:165 Resp: 33724
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.7 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 5.939 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.21 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion:165 Resp: 33724
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-A

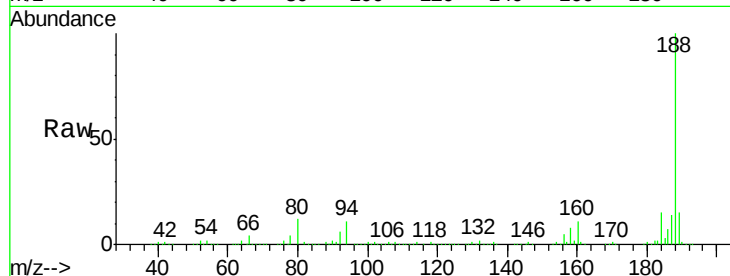
Tot Ion:188 Resp: 414365

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

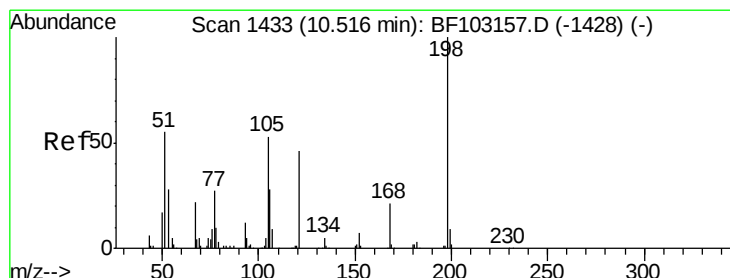
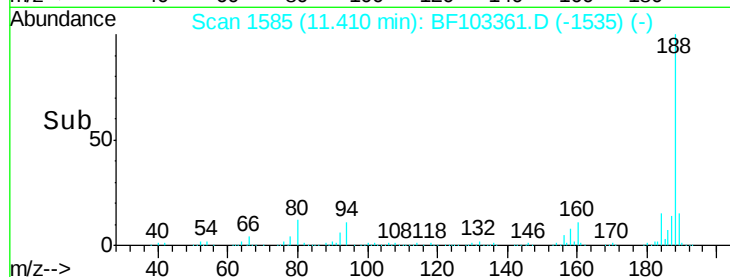
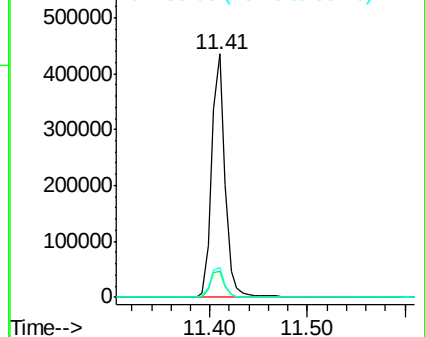
80 12.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.045 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

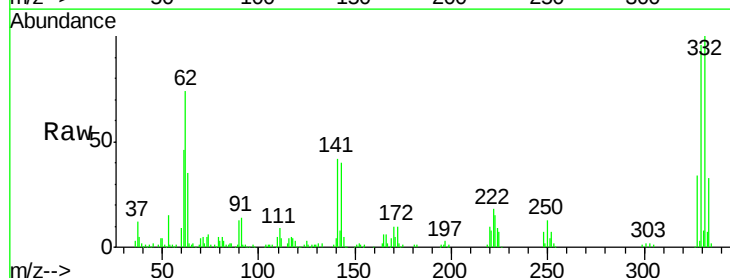
Tgt Ion:198 Resp: 279

Ion Ratio Lower Upper

198 100

51 274.6 37.7 77.7#

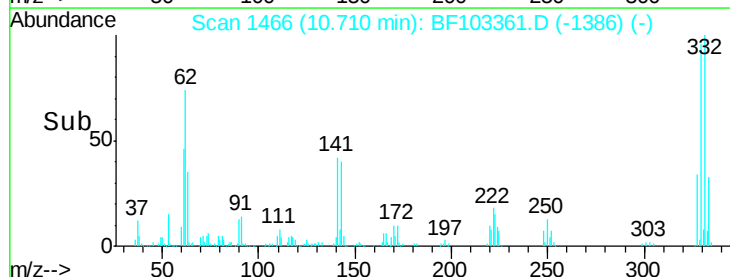
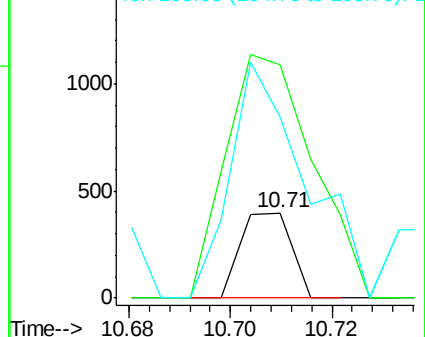
105 211.8 36.3 76.3#

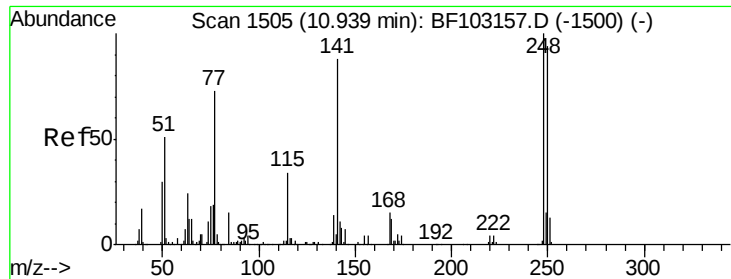


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

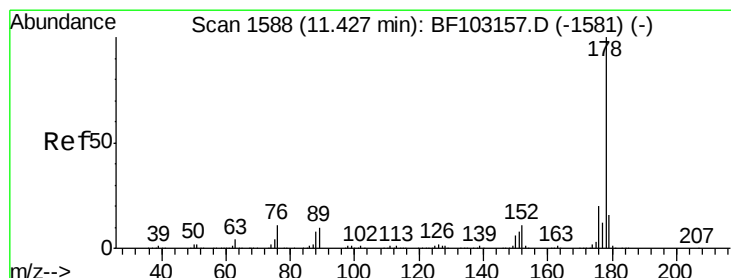
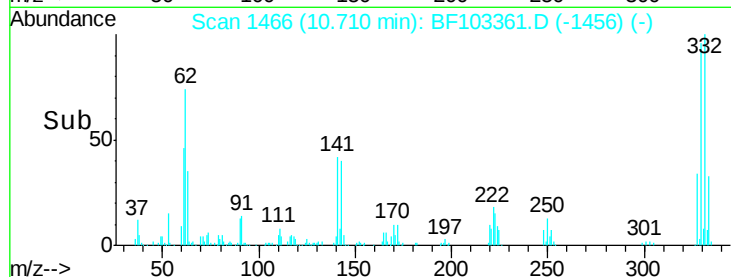
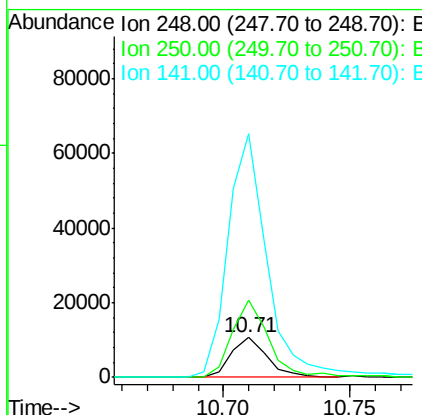
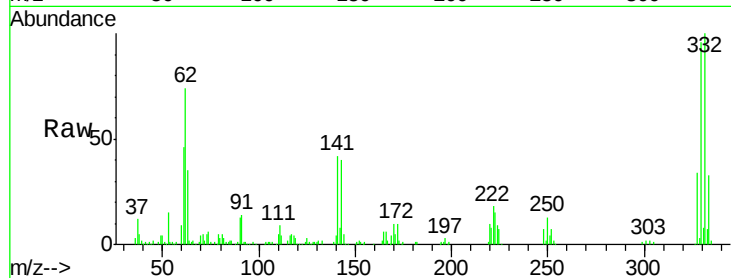




#66
 4-Bromophenyl-phenylether
 Concen: 2.430 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

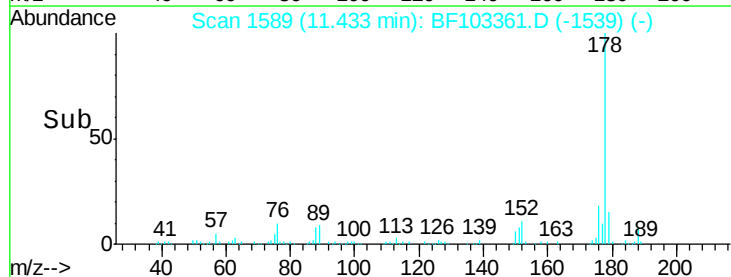
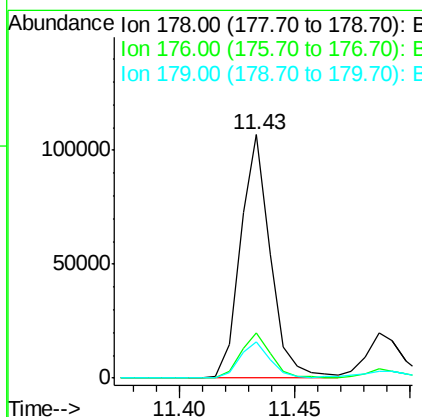
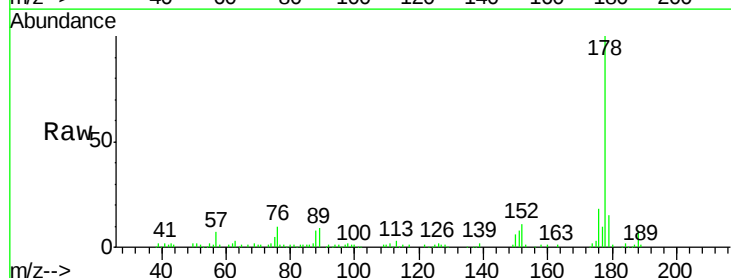
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

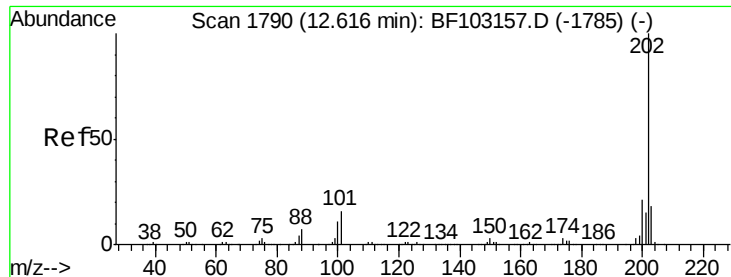
Tot Ion:248 Resp: 10490
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.9 115.3#
 141 613.1 74.4 111.6#



#70
 Phenanthrene
 Concen: 4.246 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Tgt Ion:178 Resp: 96826
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.0 13.0 19.6





#74

Fluoranthene

Concen: 9.425 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-A

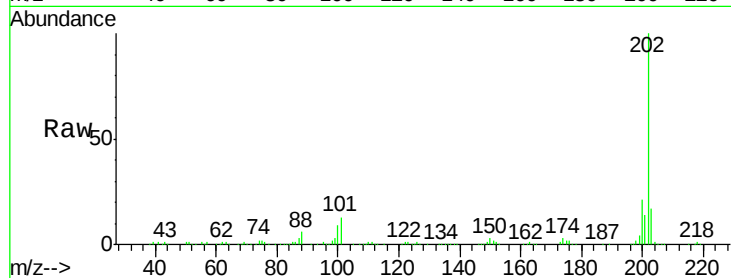
Tot Ion:202 Resp: 215981

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

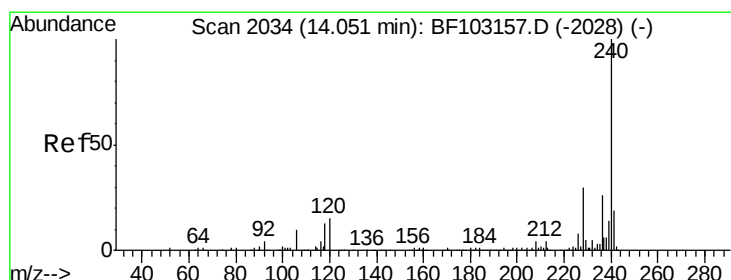
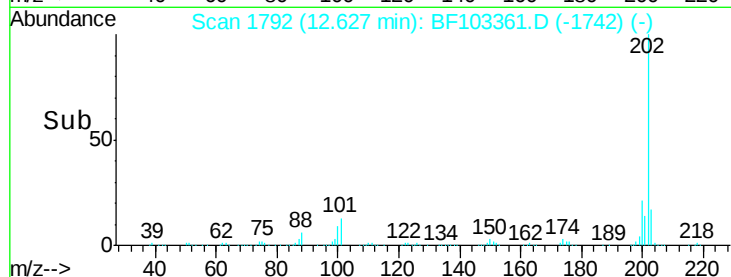
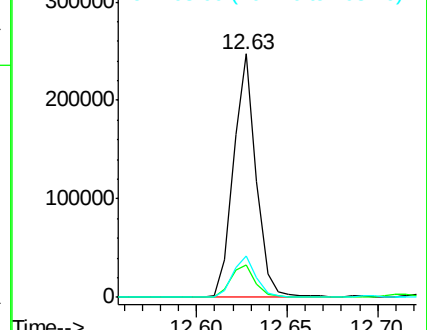
203 17.1 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

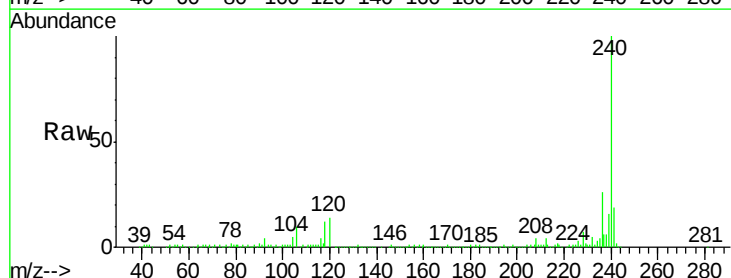
Tgt Ion:240 Resp: 242318

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

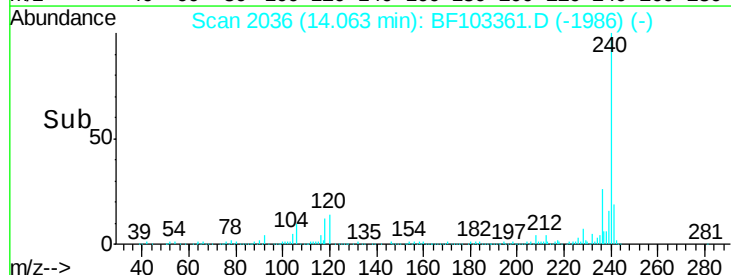
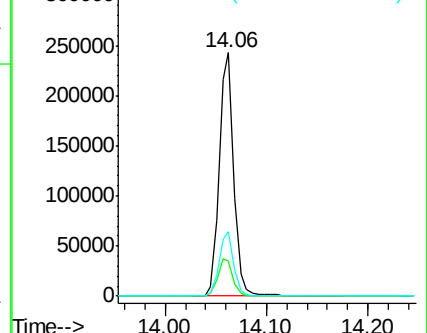
236 26.5 20.7 31.1

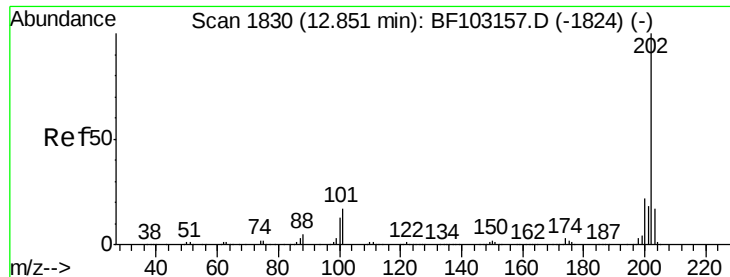


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

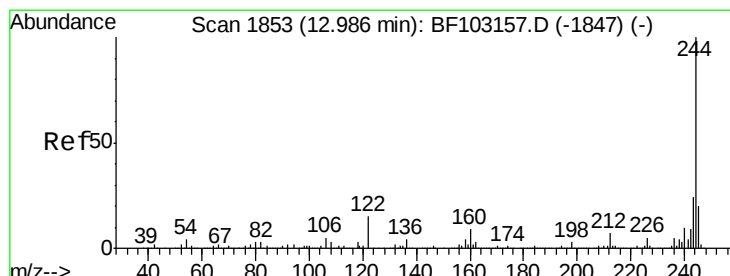
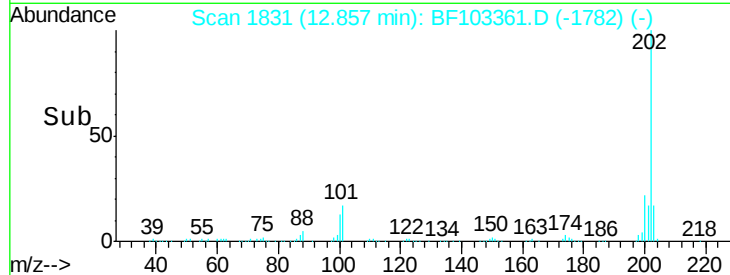
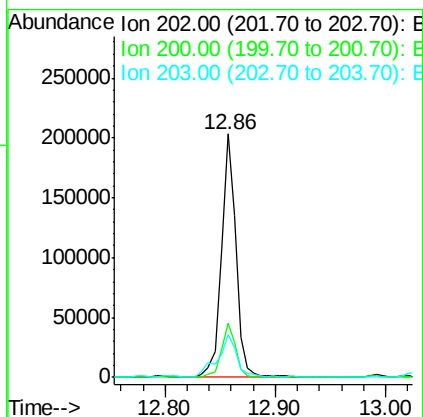
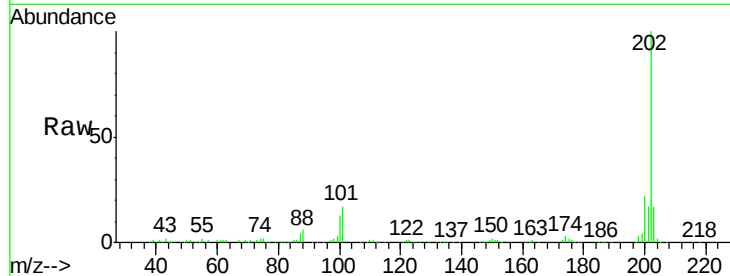




#77
Pvrene
Concen: 9.987 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

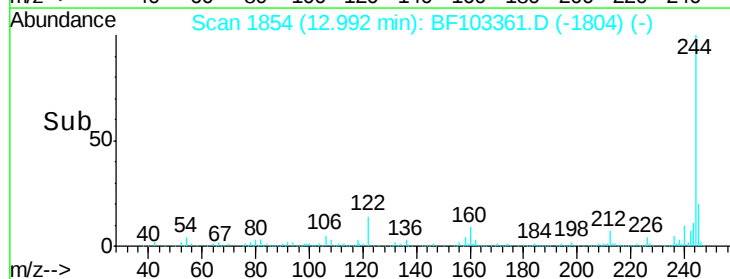
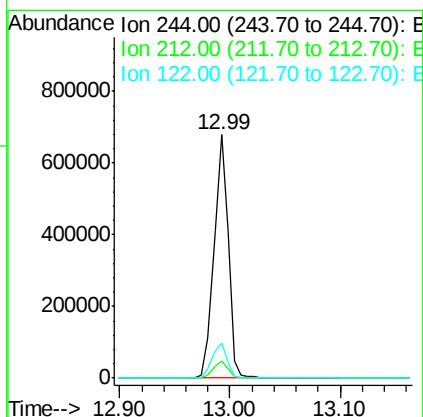
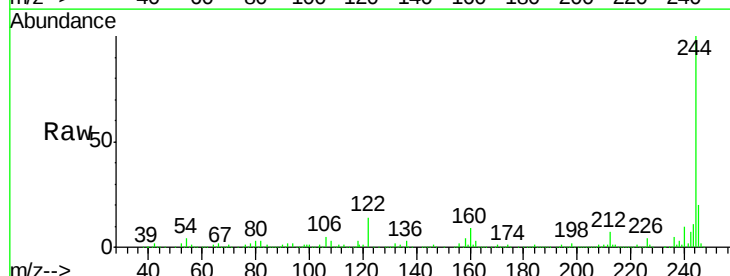
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

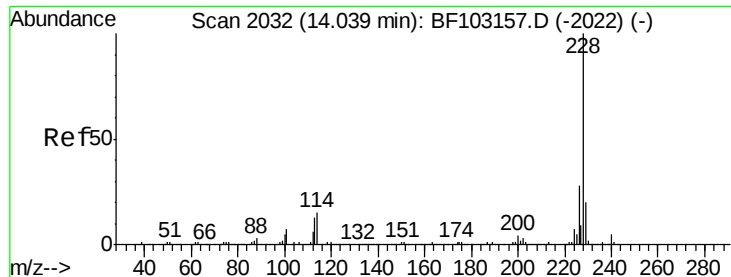
Tot Ion:202 Resp: 188680
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 59.594 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion:244 Resp: 600725
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 14.3 11.0 16.4





#80

Benzo(a)anthracene

Concen: 5.575 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-A

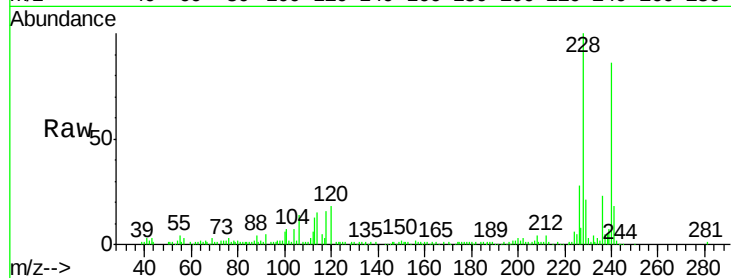
Tot Ion:228 Resp: 87651

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

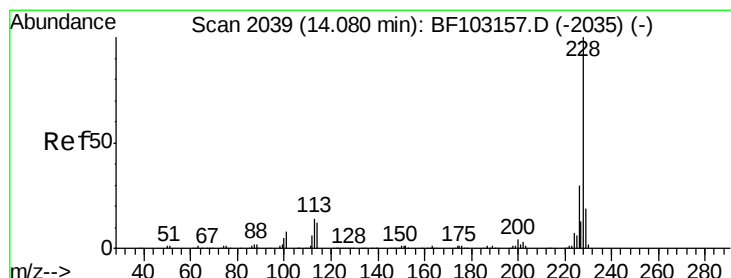
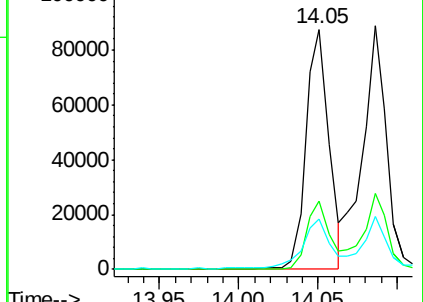
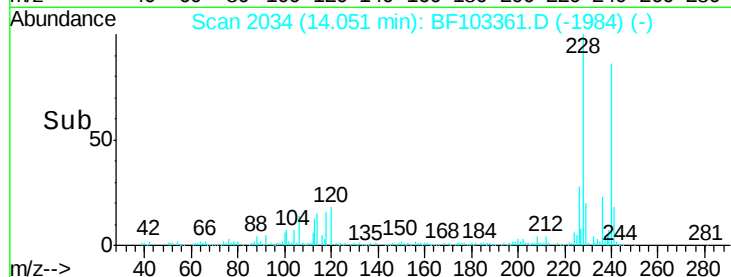
229 20.8 15.8 23.6



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: 5.782 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

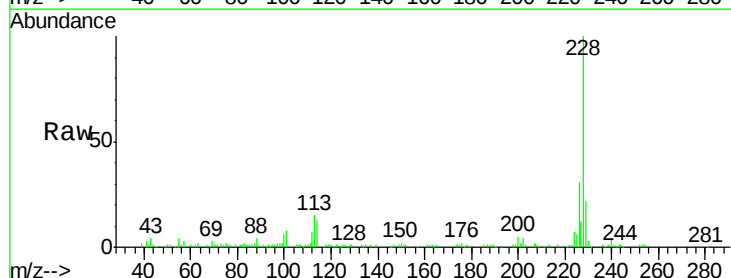
Tgt Ion:228 Resp: 88262

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

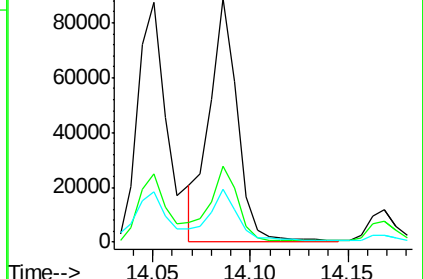
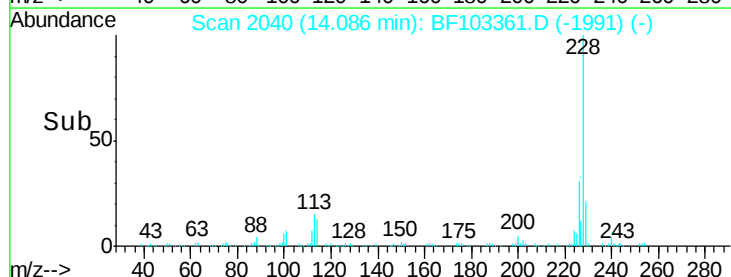
229 21.6 16.2 24.4

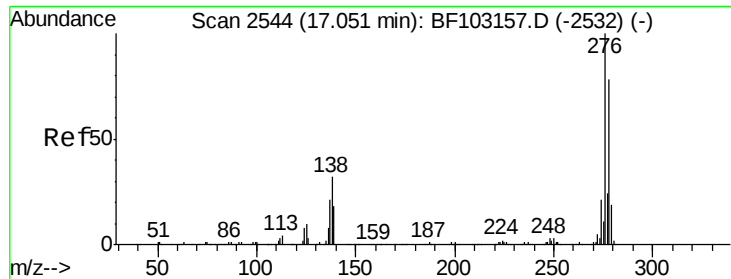


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

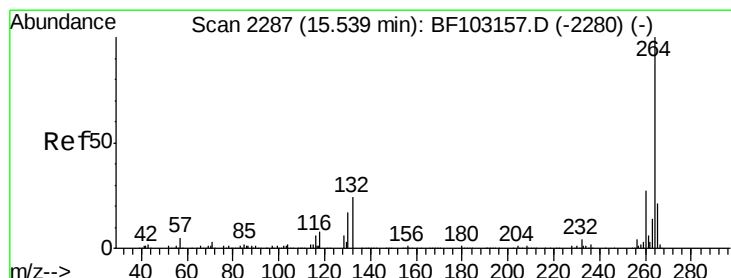
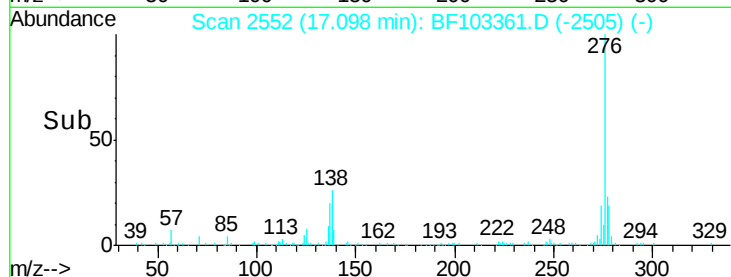
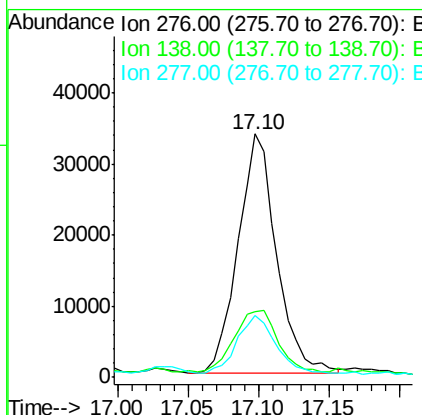
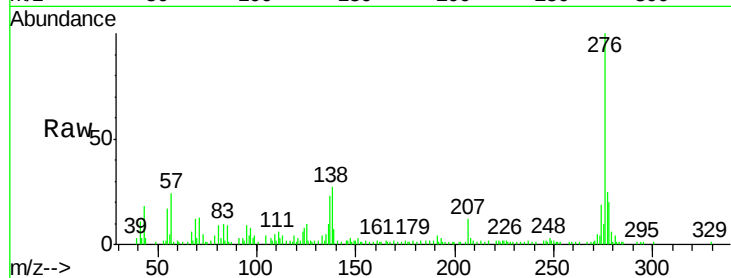




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.266 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

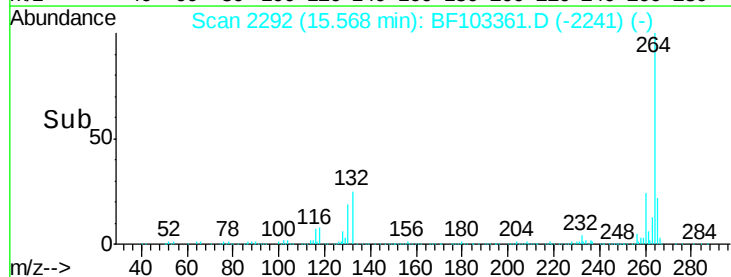
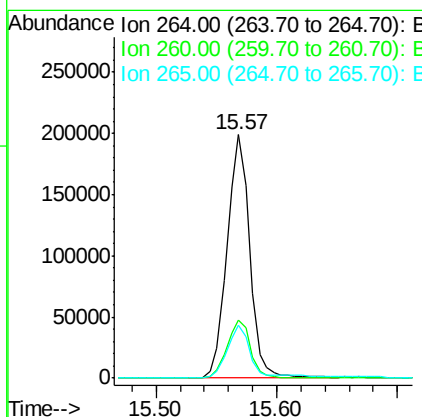
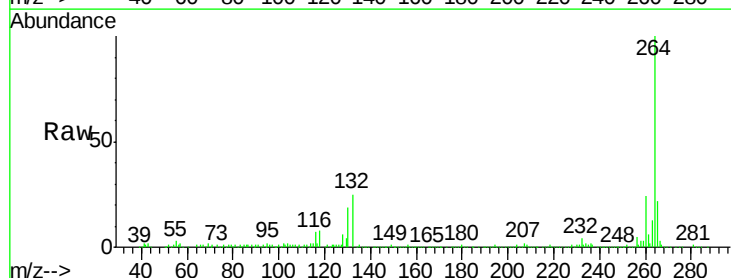
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

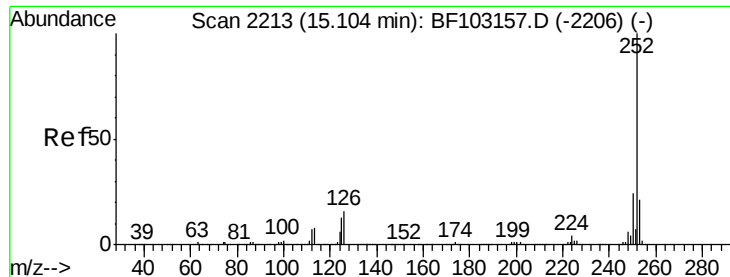
Tot Ion:276 Resp: 63644
Ion Ratio Lower Upper
276 100
138 30.0 25.0 37.6
277 25.1 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion:264 Resp: 260826
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.7 17.5 26.3

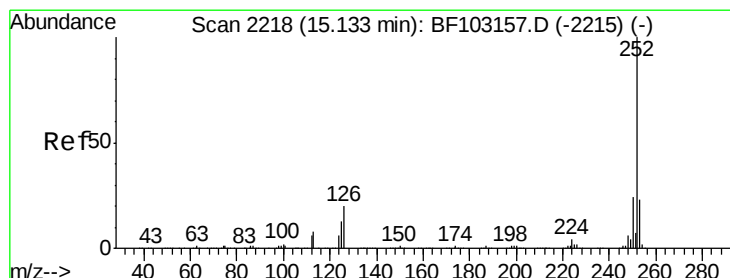
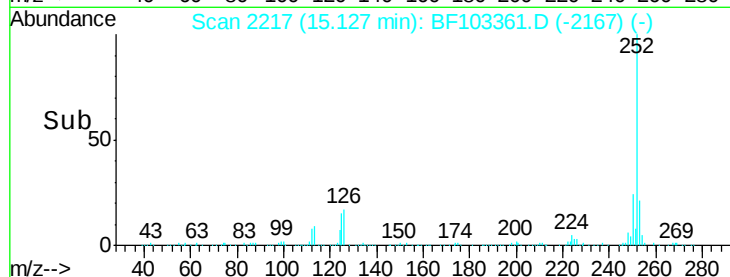
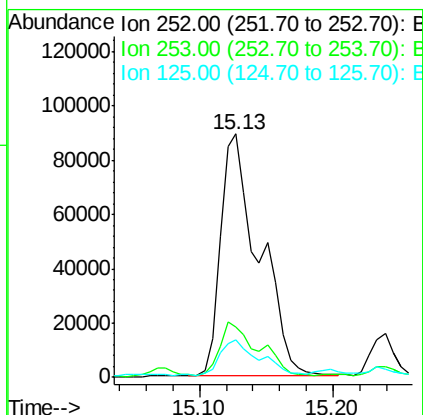
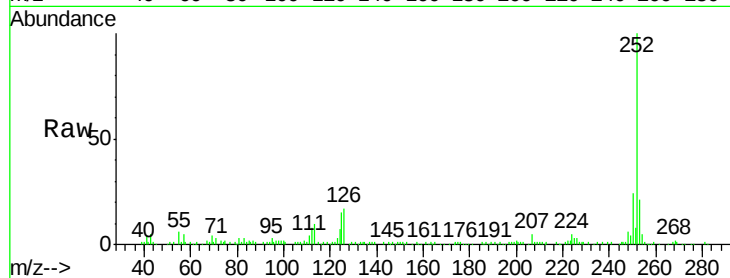




#87
Benzo(b)fluoranthene
Concen: 10.496 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

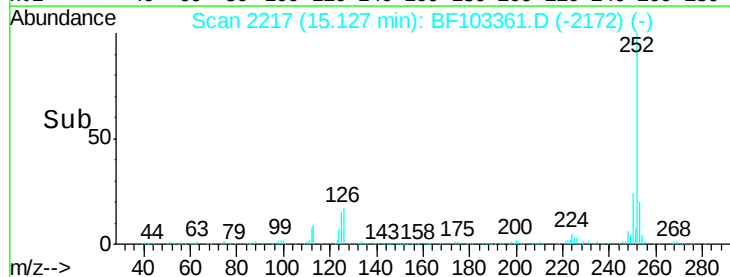
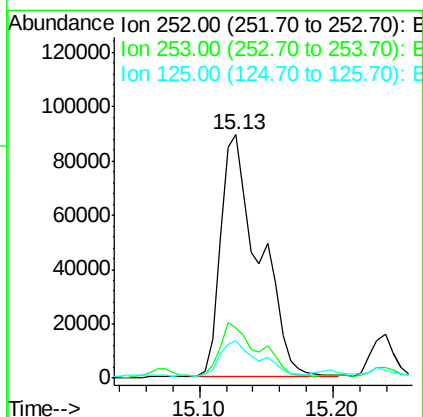
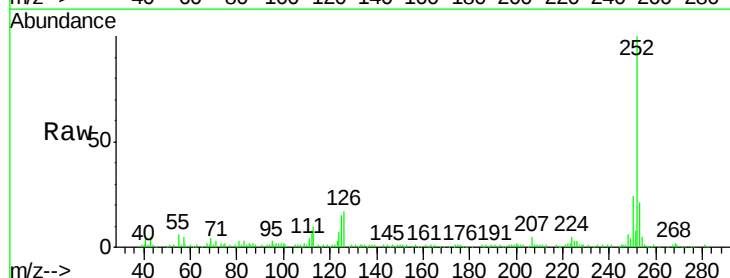
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

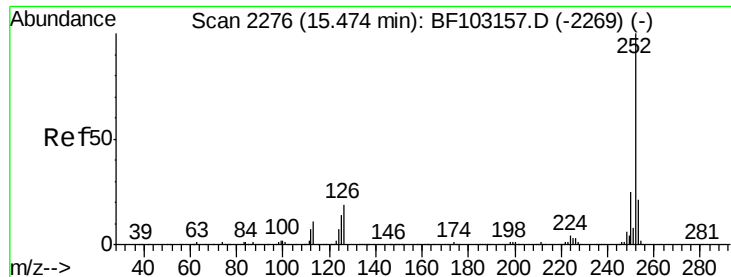
Tot Ion:252 Resp: 179996
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.6
125 15.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 11.146 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion:252 Resp: 179996
Ion Ratio Lower Upper
252 100
253 20.9 17.9 26.9
125 15.5 10.2 15.2#

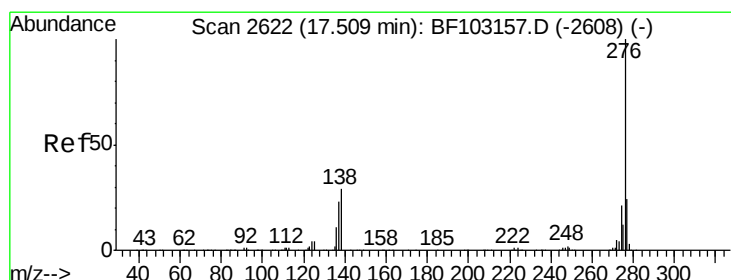
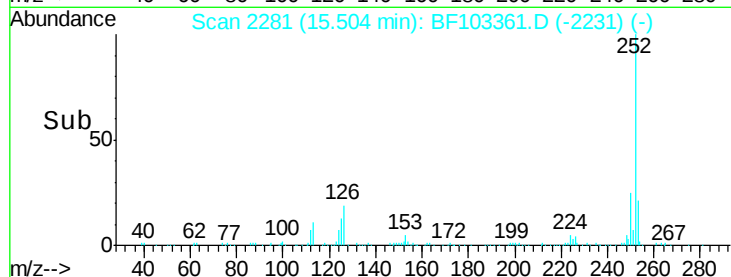
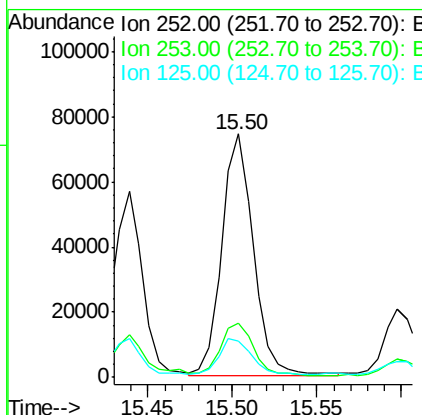
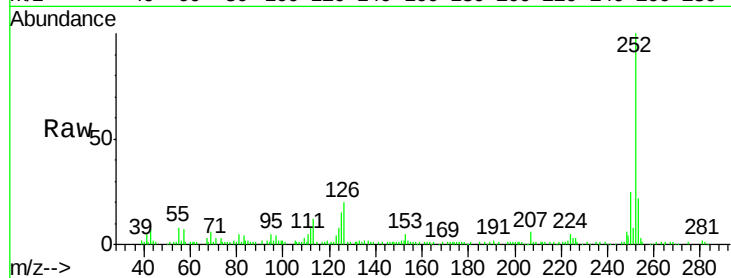




#89
Benzo(a)pyrene
Concen: 6.323 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

Tot Ion:252 Resp: 96824
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 14.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 5.798 ng
RT: 17.57 min Scan# 2632
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion:276 Resp: 67061
Ion Ratio Lower Upper
276 100
277 26.2 17.9 26.9
138 31.0 21.8 32.8

