

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102960.D
 Acq On : 13 Feb 2018 14:36
 Operator : SJ/JU
 Sample : J1397-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:05:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	166172	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	717312	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	330192	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	557544	20.00	ng	0.00
75) Chrysene-d12	14.03	240	315805	20.00	ng	0.00
86) Perylene-d12	15.50	264	319842	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1044871	95.49	ng	0.00
7) Phenol-d6	6.50	99	1263365	95.89	ng	0.00
23) Nitrobenzene-d5	7.43	82	815237	78.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	275887	103.81	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1277194	64.18	ng	-0.01
78) Terphenyl-d14	12.98	244	1007819	75.56	ng	0.00

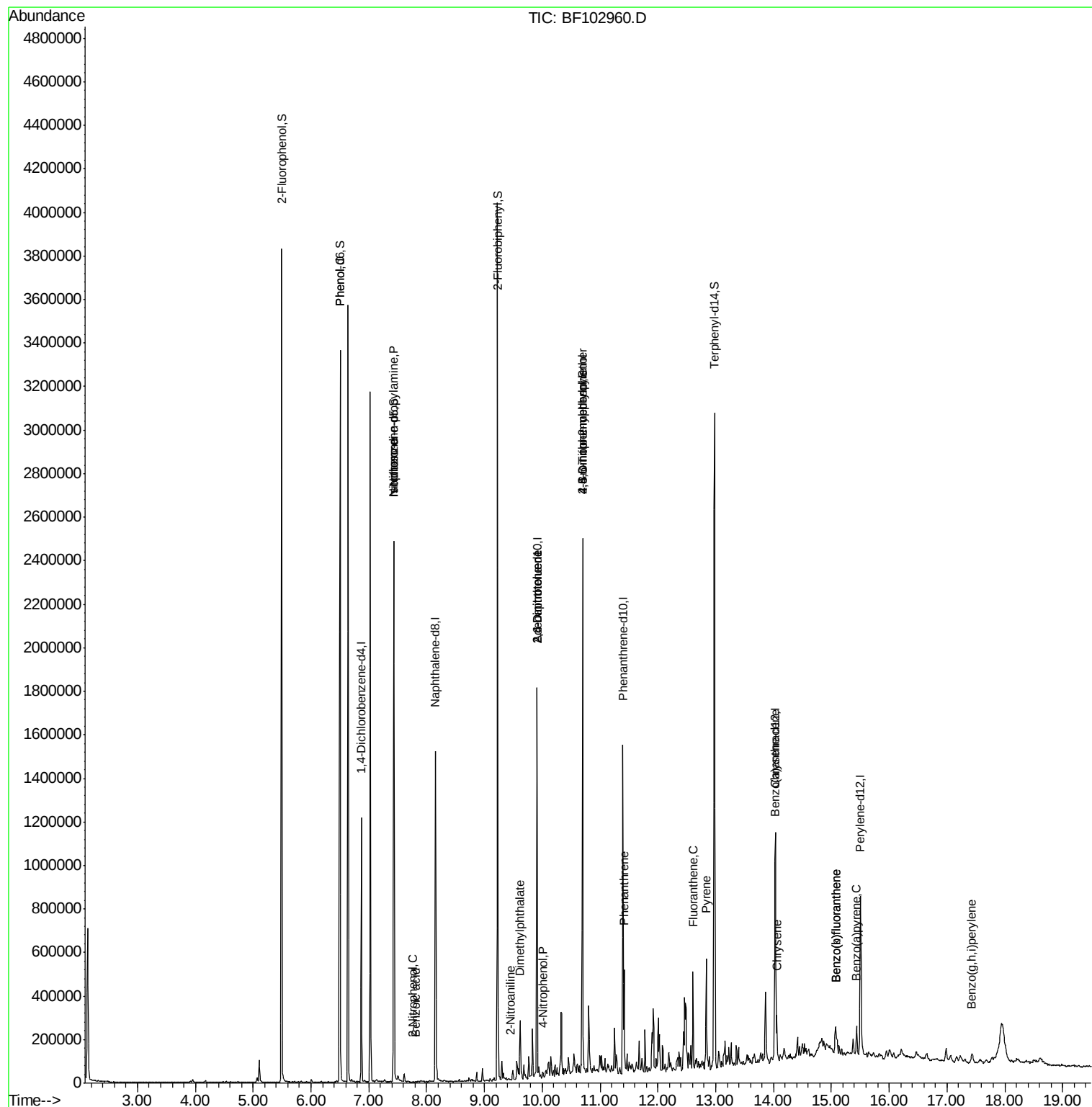
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.51	94	36499	2.59	ng	# 70
19) n-Nitroso-di-n-propylamine	7.43	70	107775	12.41	ng	# 83
25) Isophorone	7.43	82	815232	34.24	ng	# 64
26) 2-Nitrophenol	7.76	139	111	8.68	ng	# 34
32) Benzoic acid	7.80	122	439	8.60	ng	# 1
47) 2-Nitroaniline	9.46	65	480	3.54	ng	# 2
49) Dimethylphthalate	9.62	163	82556	3.21	ng	99
50) 2,6-Dinitrotoluene	9.91	165	43606	8.90	ng	# 26
55) 4-Nitrophenol	10.01	139	760	4.17	ng	# 36
56) 2,4-Dinitrotoluene	9.91	165	43606	9.29	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	557	9.01	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18087	3.07	ng	# 1
70) Phenanthrene	11.42	178	155764	5.02	ng	97
74) Fluoranthene	12.60	202	153364	4.91	ng	97
77) Pyrene	12.83	202	192340	7.77	ng	100
80) Benzo(a)anthracene	14.02	228	69494	3.50	ng	# 90
82) Chrysene	14.06	228	68178	3.41	ng	96
87) Benzo(b)fluoranthene	15.07	252	92249	4.45	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	92249	4.66	ng	# 96
89) Benzo(a)pyrene	15.44	252	53714	2.88	ng	# 93
91) Benzo(a,h,i)perylene	17.43	276	35542	2.40	ng	96

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

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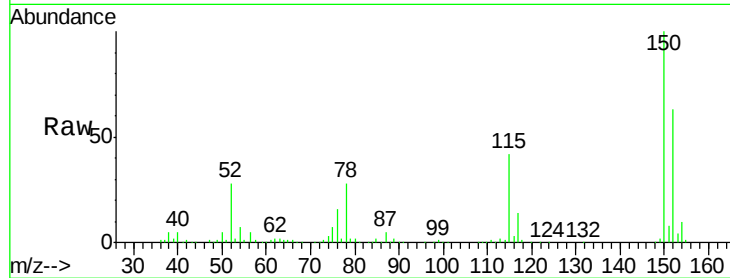


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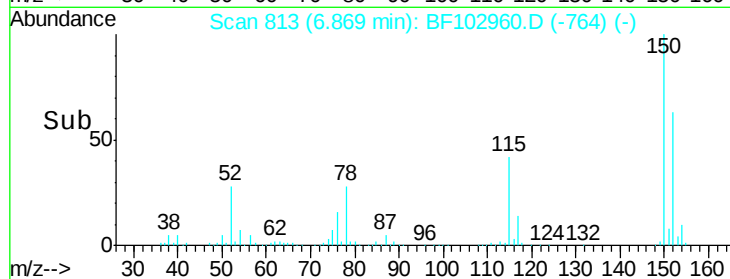
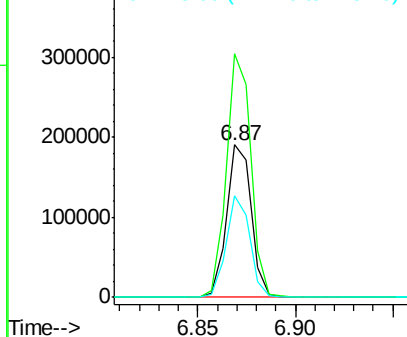
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166172
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 66.9 50.1 75.1



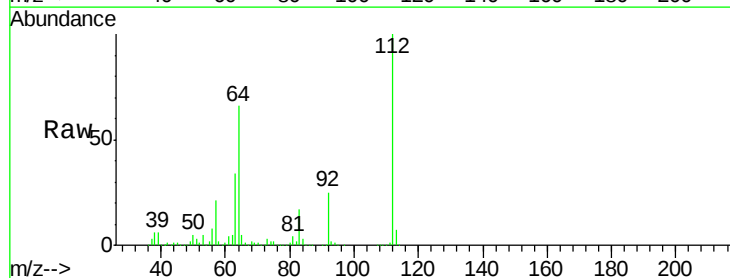
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



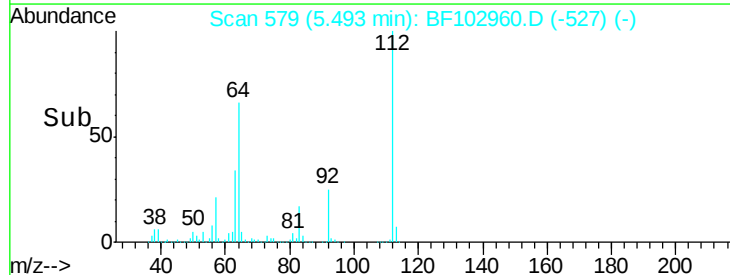
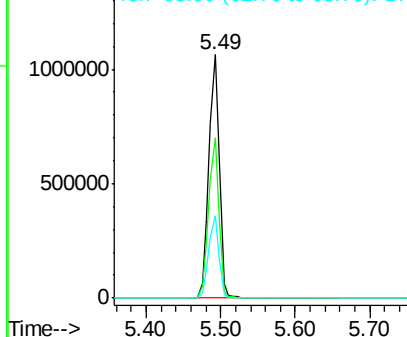
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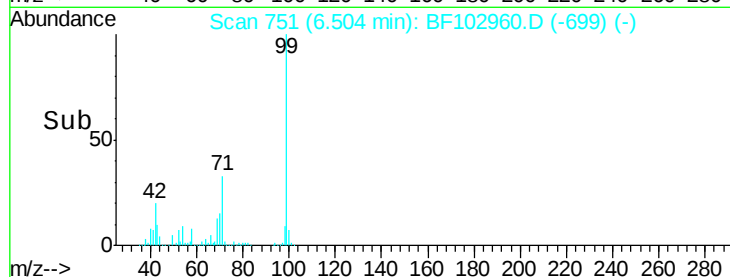
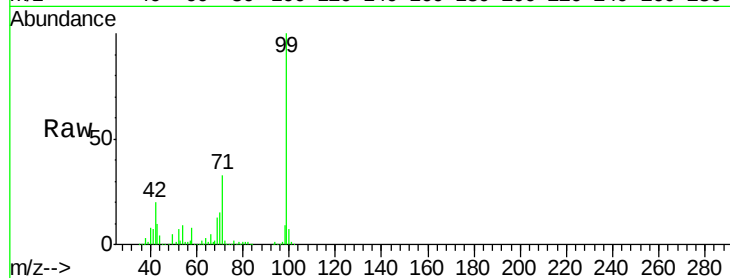
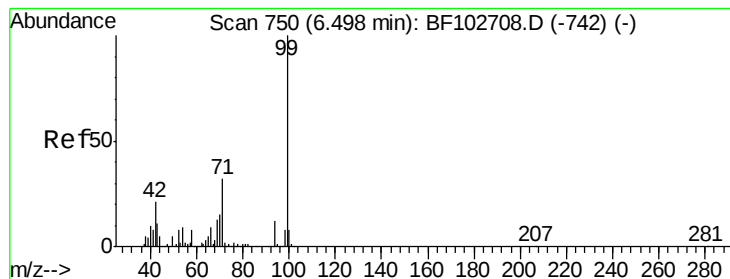
2-Fluorophenol
Concen: 95.49 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:112 Resp: 1044871
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 33.7 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: 95.89 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

Instrument :

BNA_F

ClientSampleId :

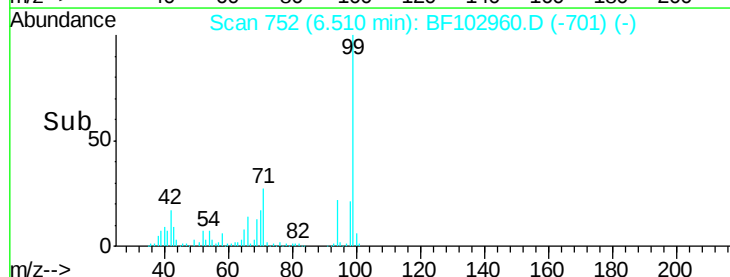
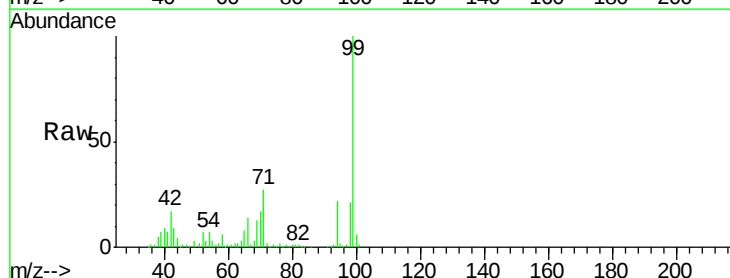
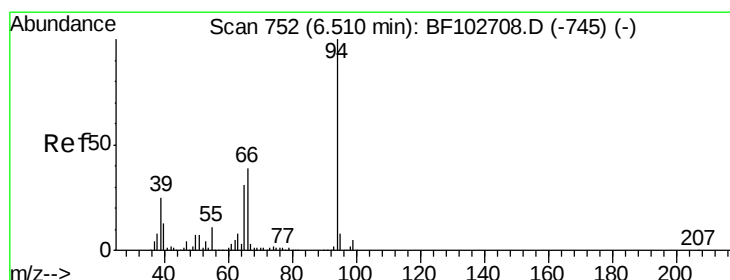
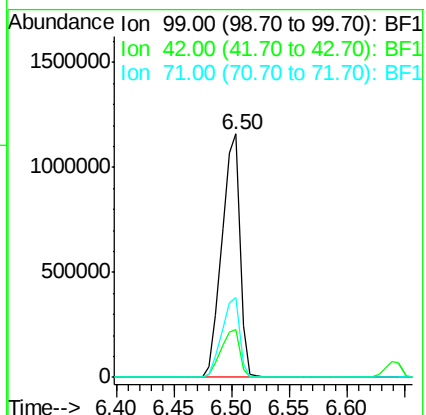
Tot Ion: 99 Resp: 1263365

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.6 25.4 38.0



#10

Phenol

Concen: 2.59 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

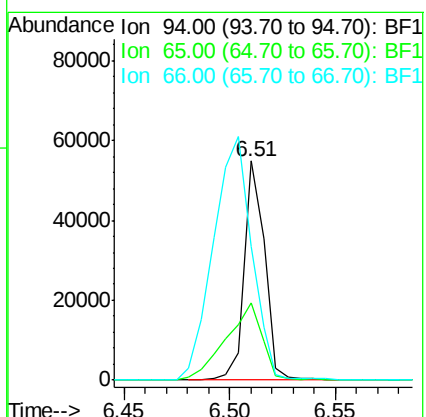
Tgt Ion: 94 Resp: 36499

Ion Ratio Lower Upper

94 100

65 35.1 7.9 47.9

66 60.8 16.2 56.2#

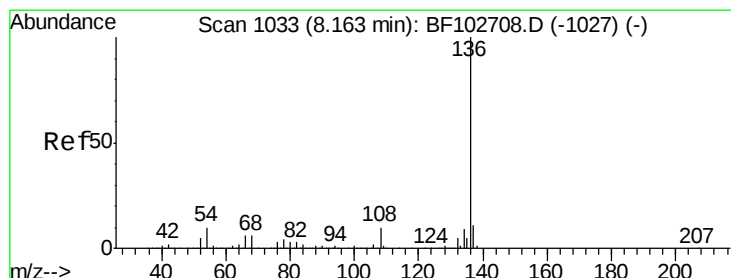
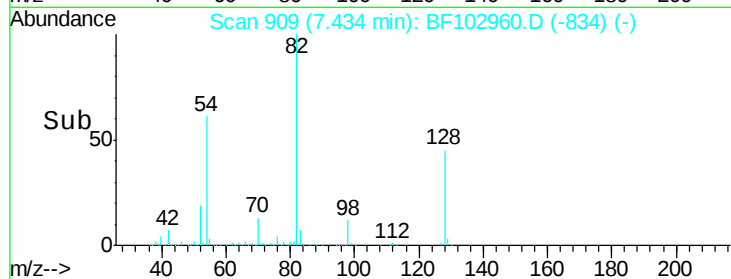
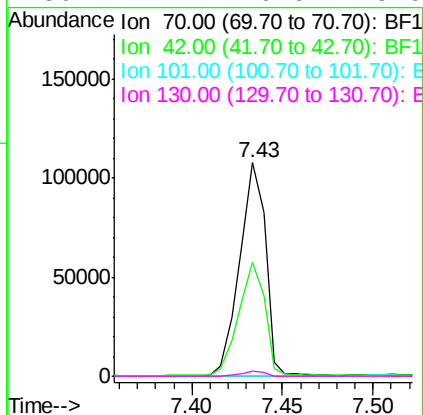
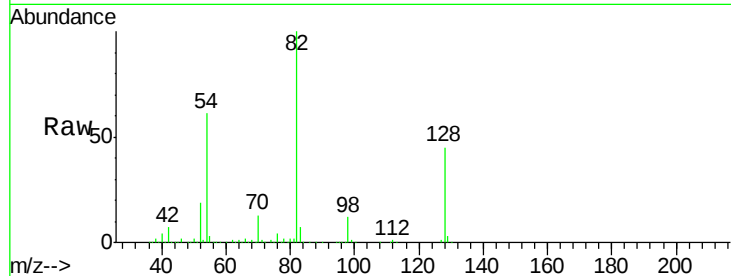




#19
n-Nitroso-di-n-propylamine
Concen: 12.41 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

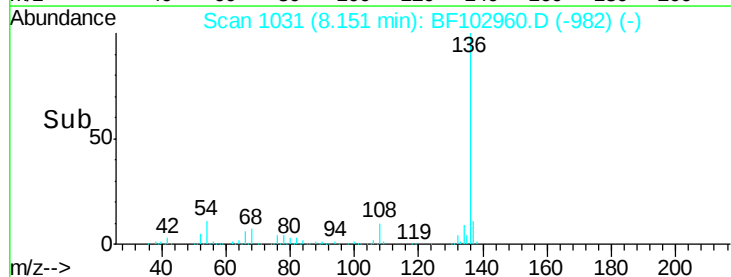
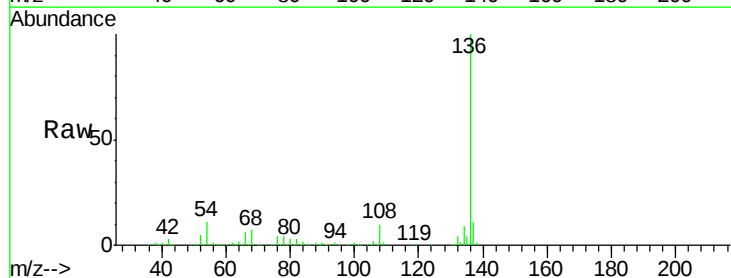
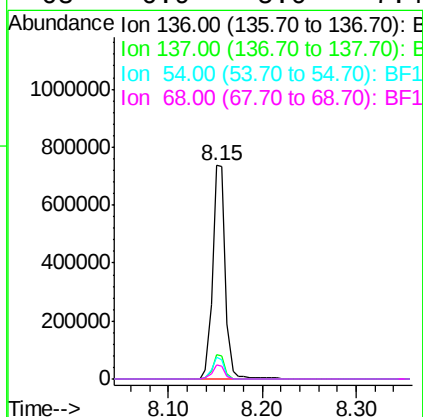
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 107775
Ion Ratio Lower Upper
70 100
42 53.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion: 136 Resp: 717312
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.5 6.6 9.8#
68 6.9 5.0 7.4

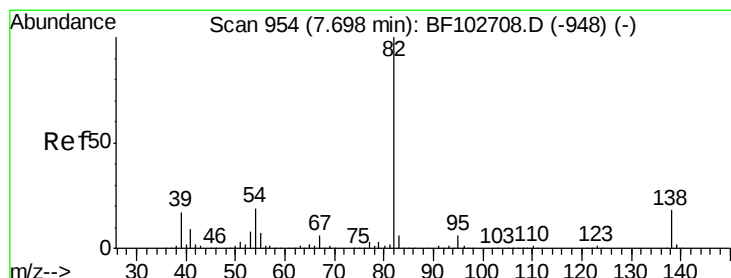
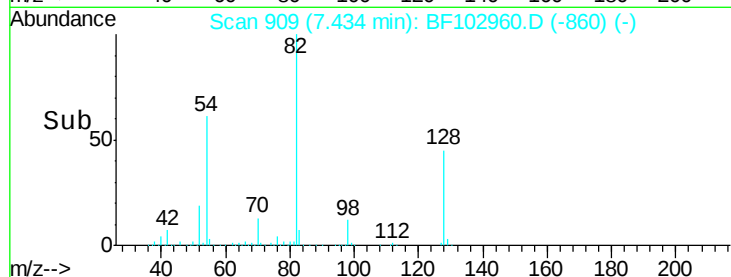
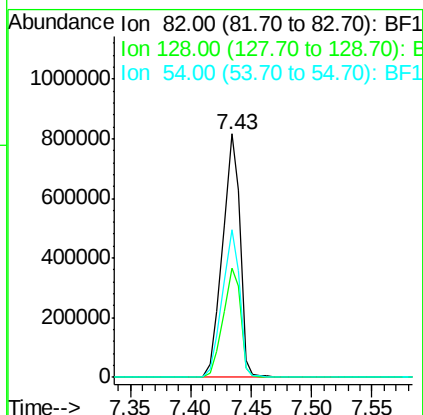
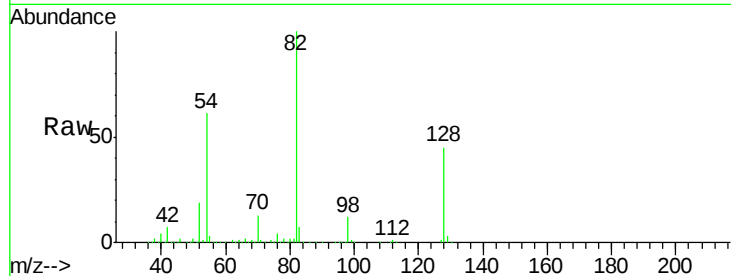




#23
 Nitrobenzene-d5
 Concen: 78.84 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF102960.D
 Acq: 13 Feb 2018 14:36

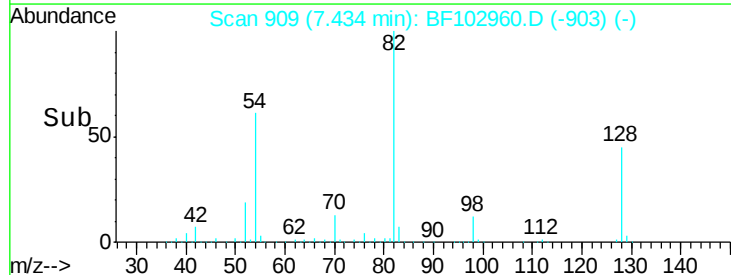
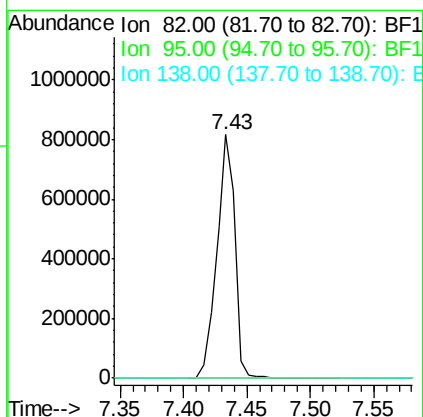
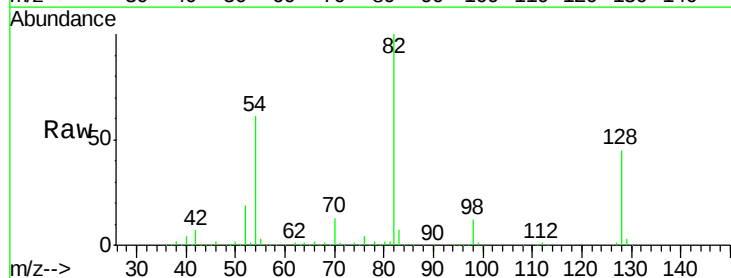
Instrument :
 BNA_F
 ClientSampled :

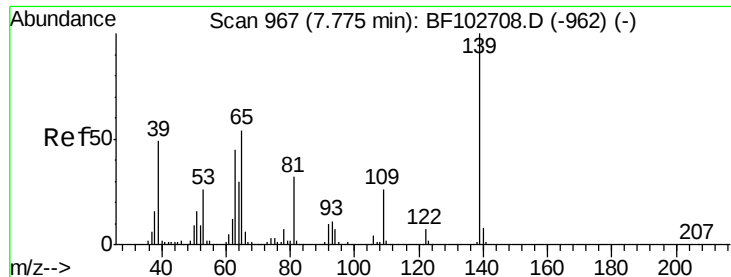
Tot Ion	82	Resp	815237
Ion Ratio	Lower	Upper	
82	100		
128	44.6	36.1	54.1
54	60.9	41.4	62.2



#25
 Isophorone
 Concen: 34.24 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF102960.D
 Acq: 13 Feb 2018 14:36

Tgt Ion	82	Resp	815232
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#26

2-Nitrophenol

Concen: 8.68 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

Instrument :

BNA_F

ClientSampleId :

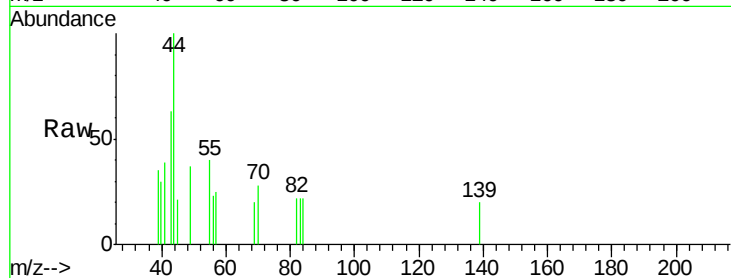
Tot Ion:139 Resp: 111

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

7.76

300

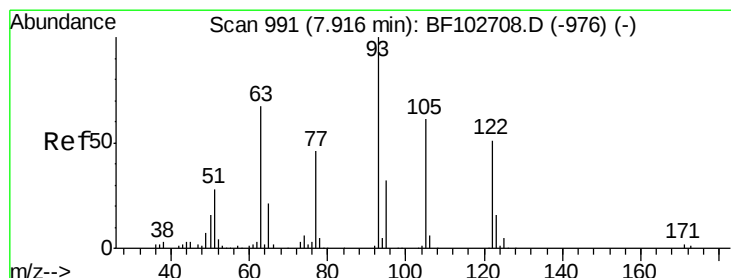
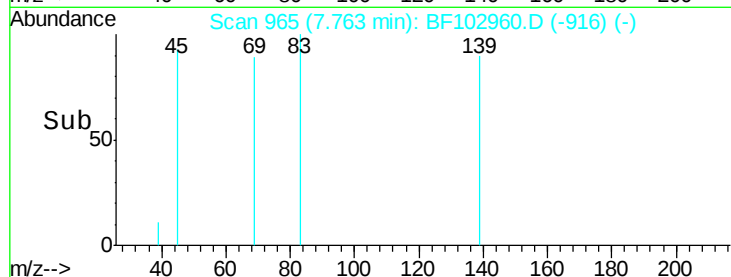
200

100

0

7.74 7.75 7.76 7.77 7.78

Time-->



#32

Benzoic acid

Concen: 8.60 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.11 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

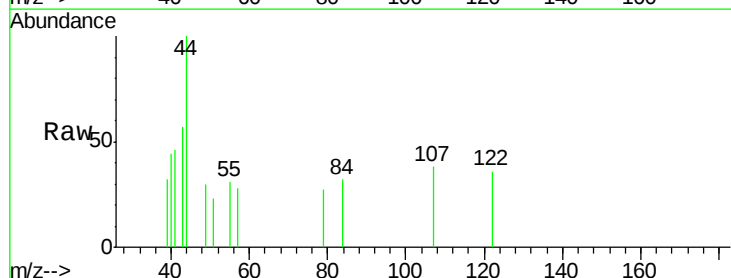
Tgt Ion:122 Resp: 439

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 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

7.80

600

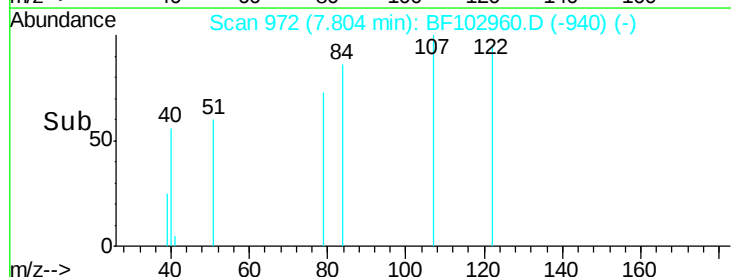
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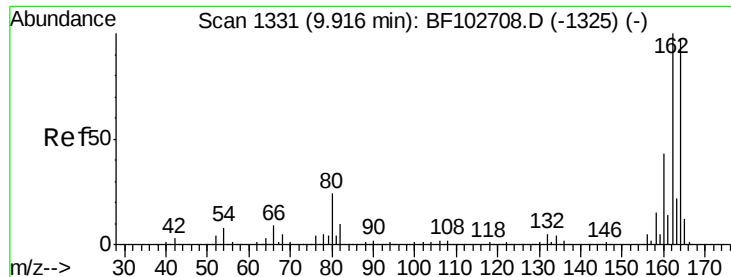
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0

7.78 7.80 7.82

Time-->

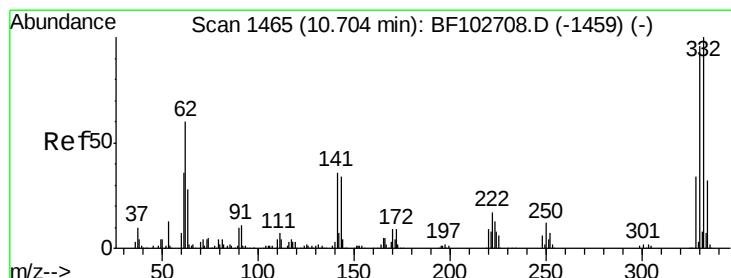
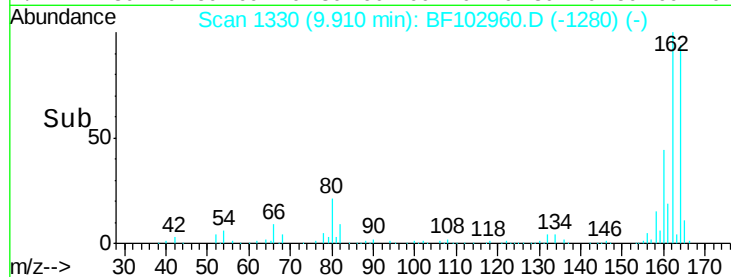
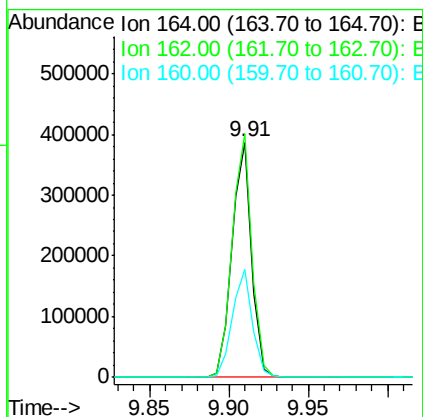
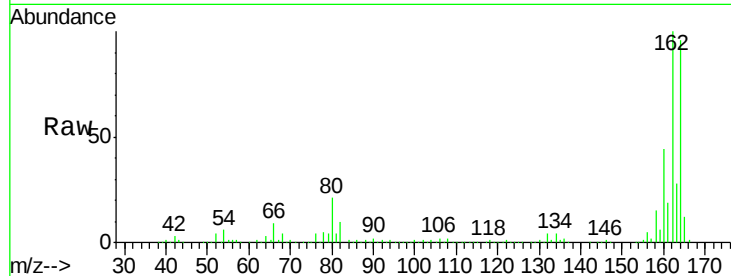




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

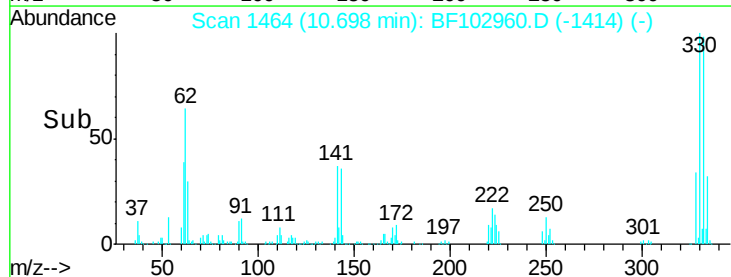
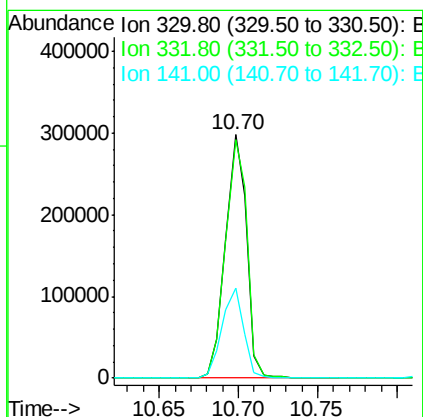
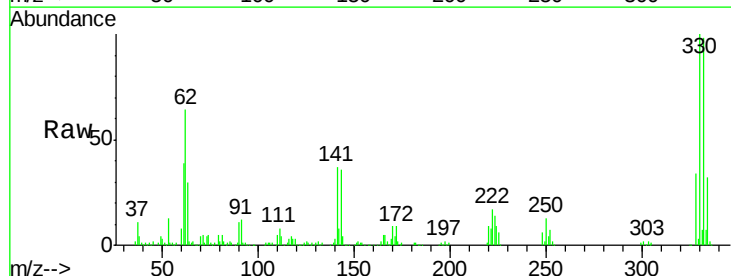
Instrument :
BNA_F
ClientSampleId :

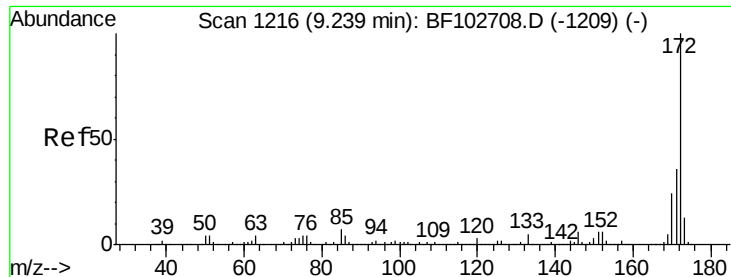
Tot Ion:164 Resp: 330192
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 46.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 103.81 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:330 Resp: 275887
Ion Ratio Lower Upper
330 100
332 100.8 77.0 115.6
141 38.2 29.9 44.9

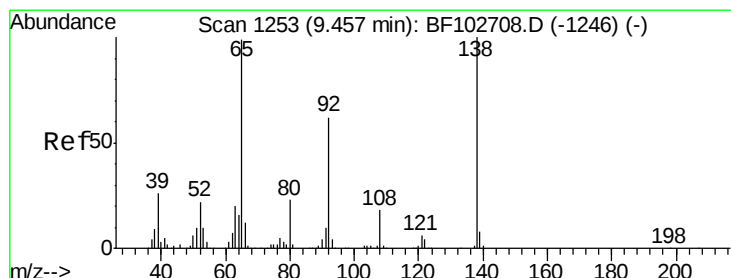
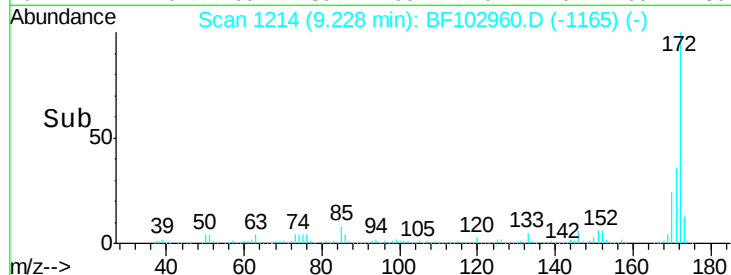
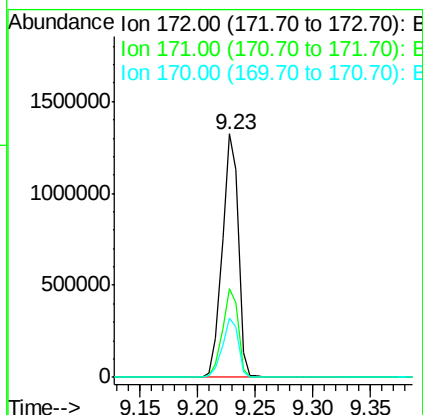
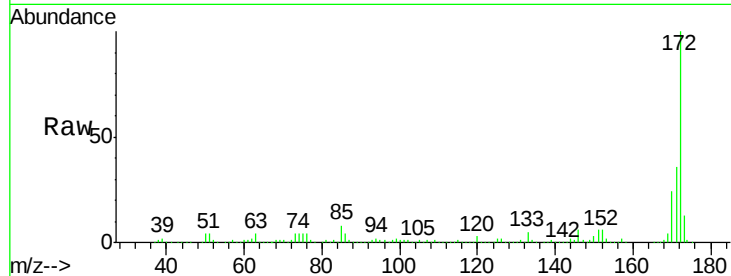




#44
2-Fluorobiphenyl
Concen: 64.18 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

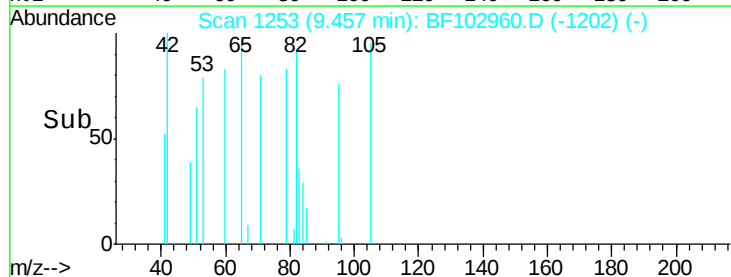
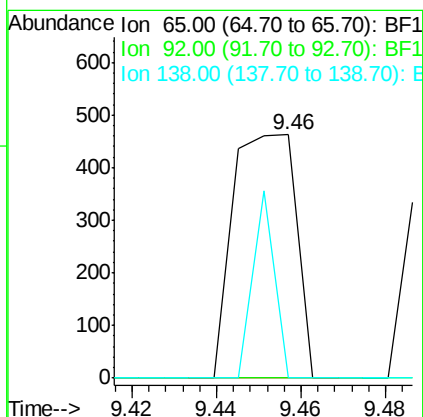
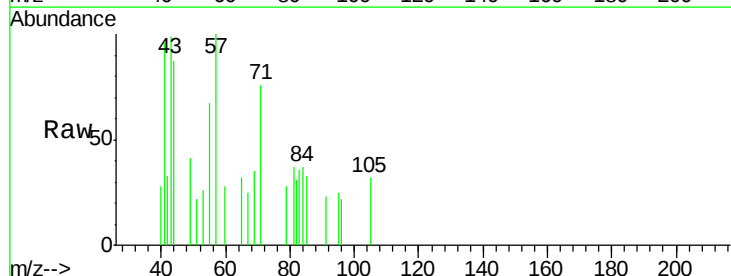
Instrument :
BNA_F
ClientSampleId :

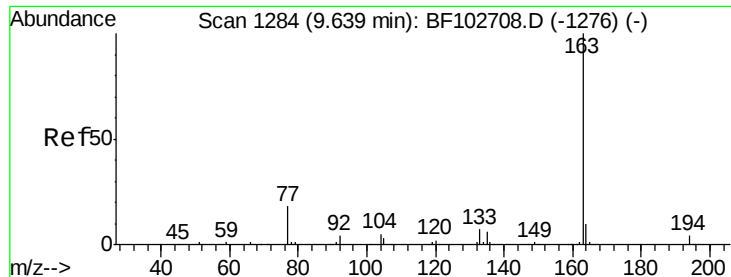
Tot Ion:172 Resp: 1277194
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.2 19.6 29.4



#47
2-Nitroaniline
Concen: 3.54 ng
RT: 9.46 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion: 65 Resp: 480
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#

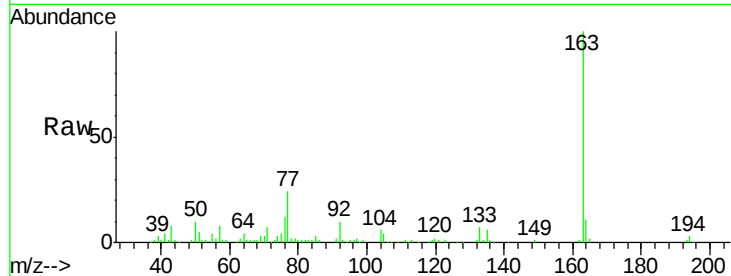




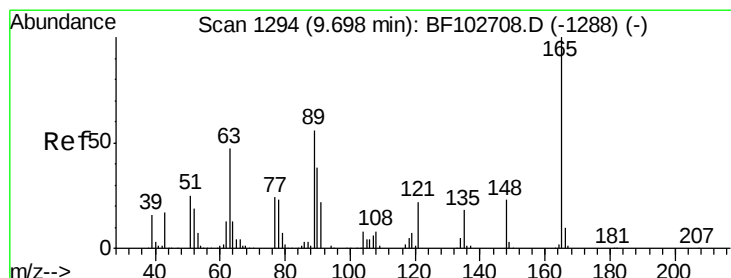
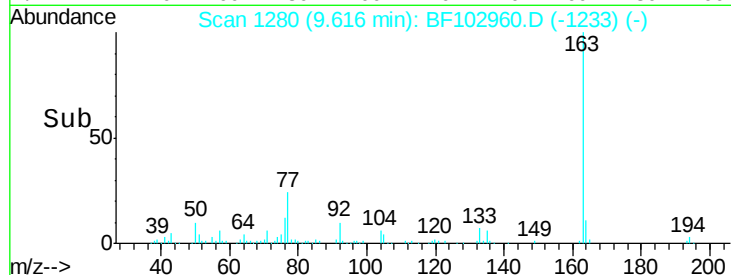
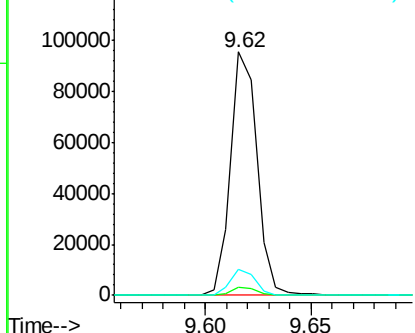
#49
Dimethylphthalate
Concen: 3.21 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 82556
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.6 8.2 12.2

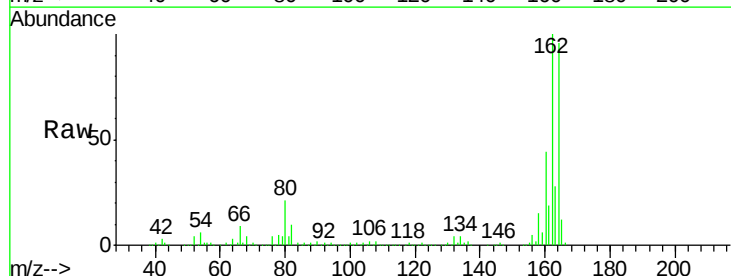


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

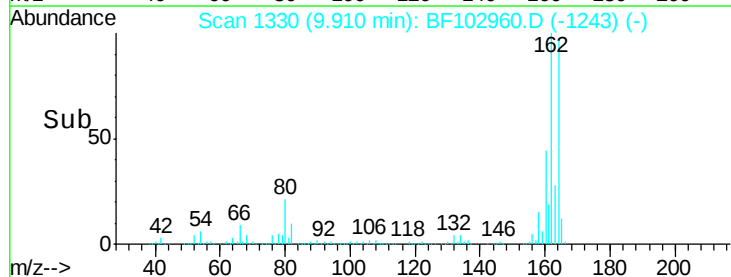
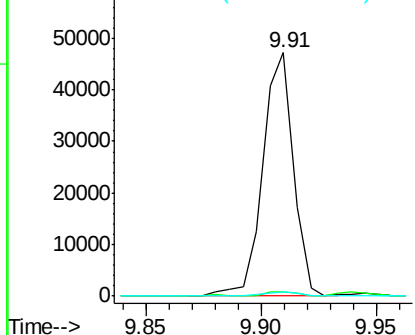


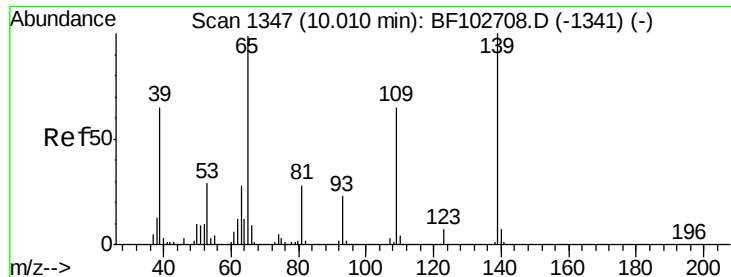
#50
2,6-Dinitrotoluene
Concen: 8.90 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:165 Resp: 43606
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.8 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

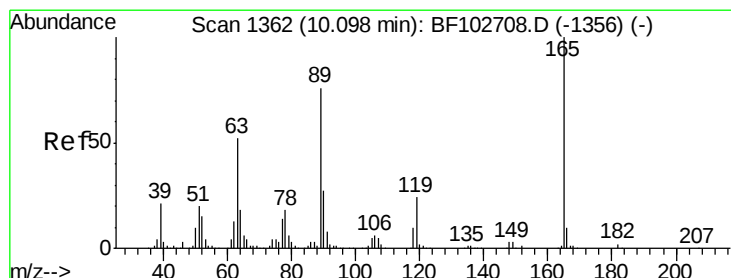
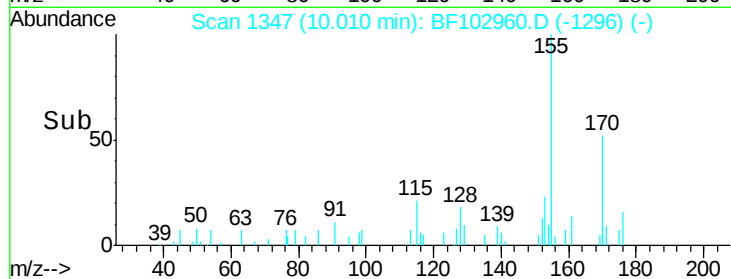
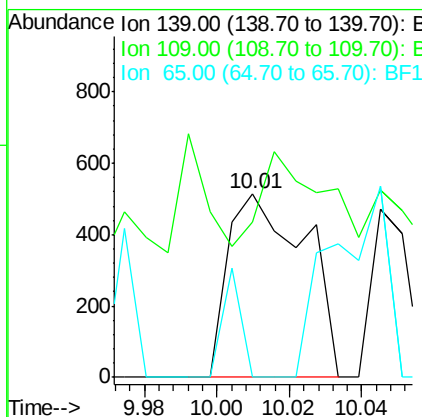
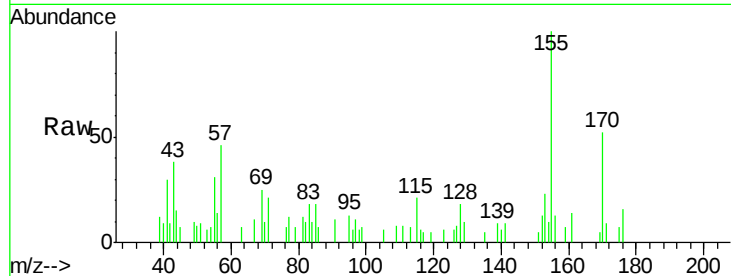




#55
4-Nitrophenol
Concen: 4.17 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

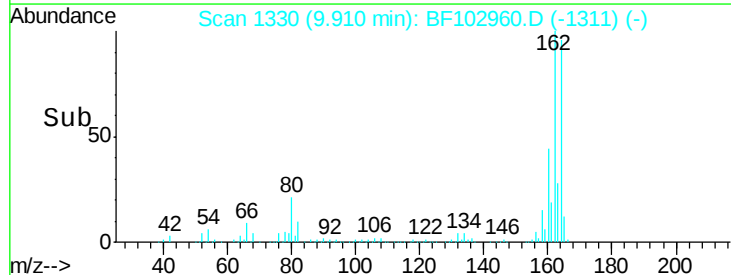
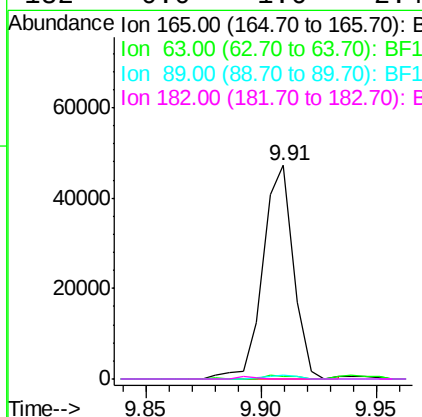
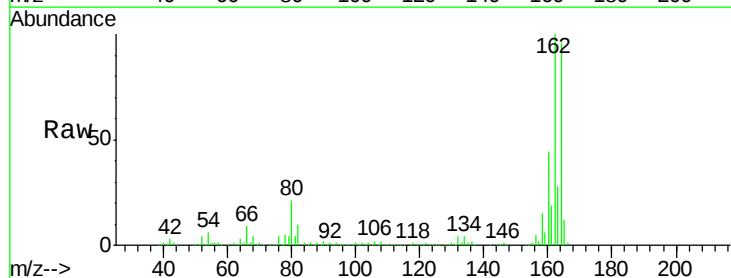
Instrument :
BNA_F
ClientSampleId :

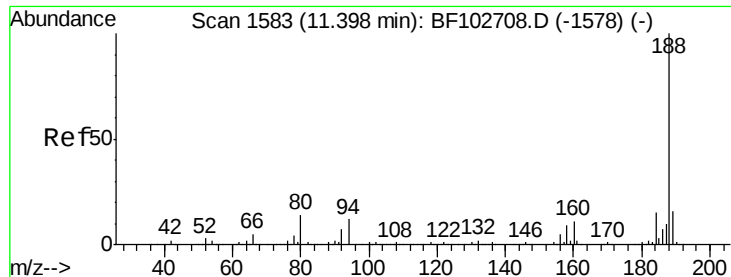
Tot Ion:139 Resp: 760
Ion Ratio Lower Upper
139 100
109 84.1 48.4 88.4
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.29 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:165 Resp: 43606
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

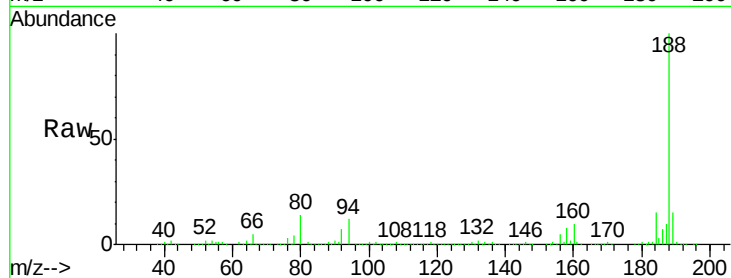




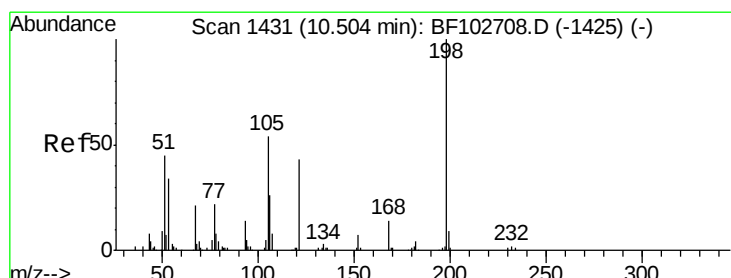
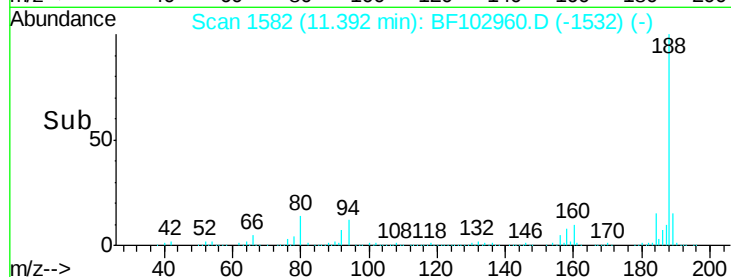
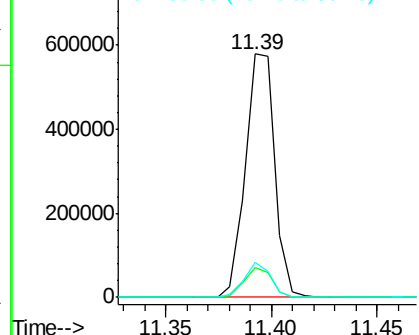
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 557544
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 14.1 9.2 13.8#

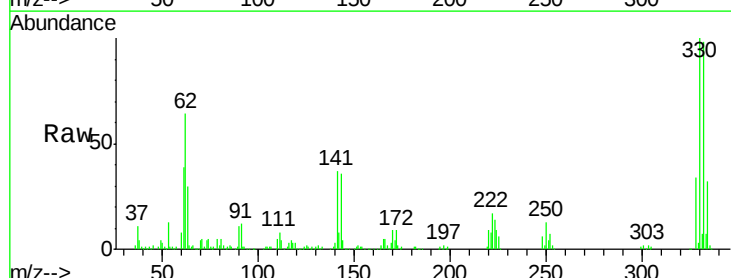


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

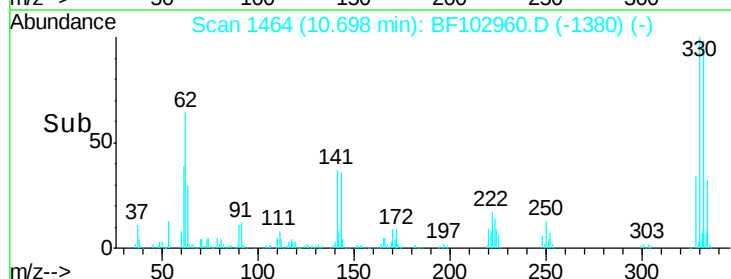
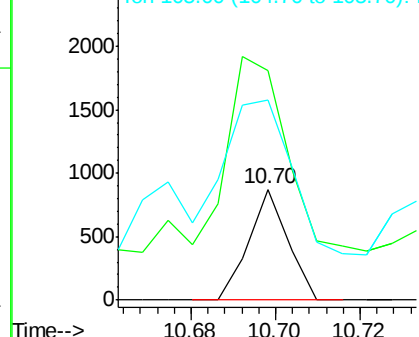


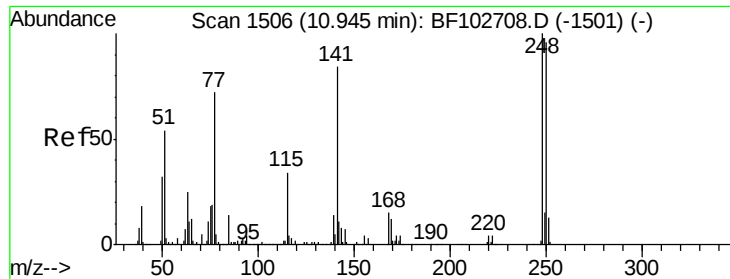
#64
4,6-Dinitro-2-methylphenol
Concen: 9.01 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:198 Resp: 557
Ion Ratio Lower Upper
198 100
51 207.2 37.7 77.7#
105 181.5 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

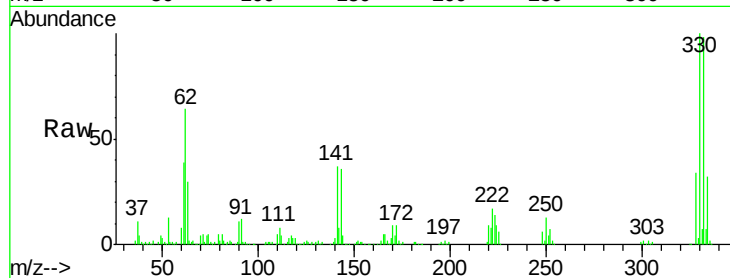




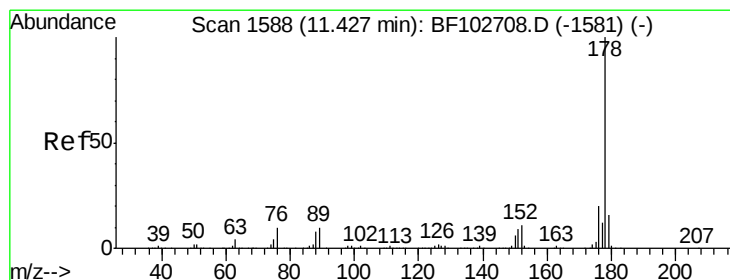
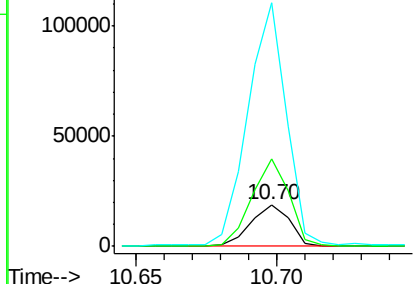
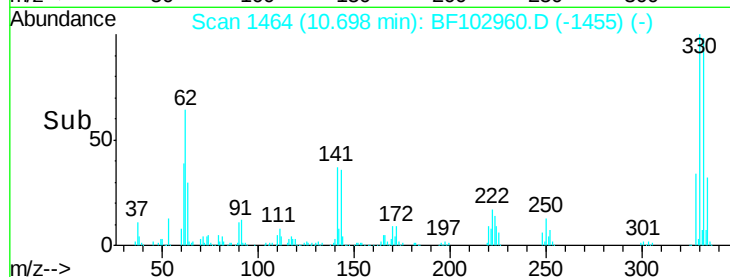
#66
 4-Bromophenyl-phenylether
 Concen: 3.07 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF102960.D
 Acq: 13 Feb 2018 14:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 18087
 Ion Ratio Lower Upper
 248 100
 250 209.5 76.9 115.3#
 141 583.6 74.4 111.6#

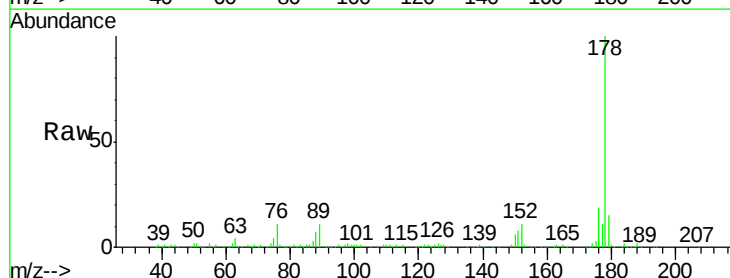


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

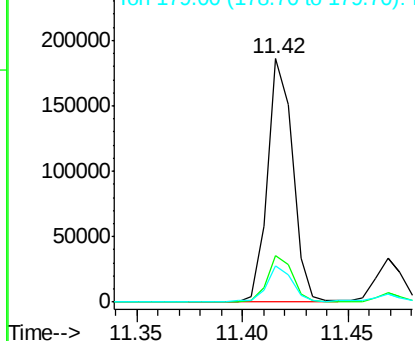
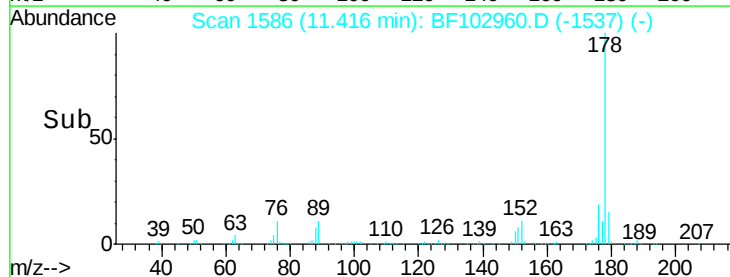


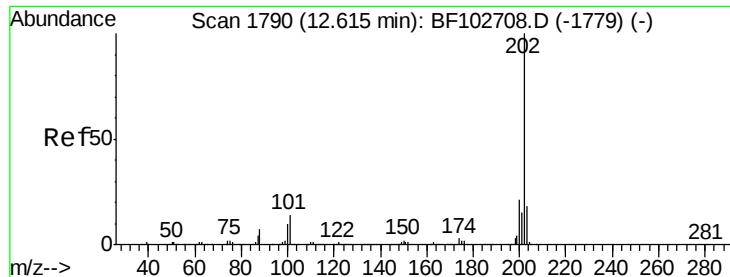
#70
 Phenanthrene
 Concen: 5.02 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF102960.D
 Acq: 13 Feb 2018 14:36

Tgt Ion:178 Resp: 155764
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.7 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: 4.91 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

Instrument :

BNA_F

ClientSampleId :

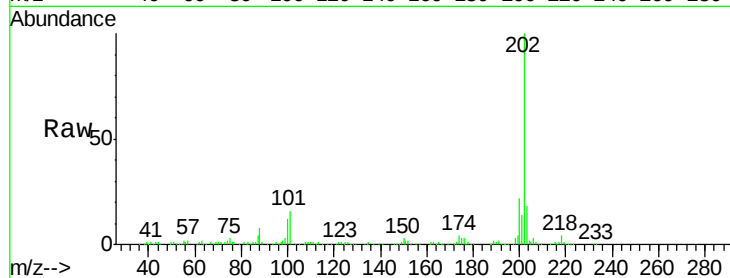
Tot Ion:202 Resp: 153364

Ion Ratio Lower Upper

202 100

101 16.5 0.0 34.1

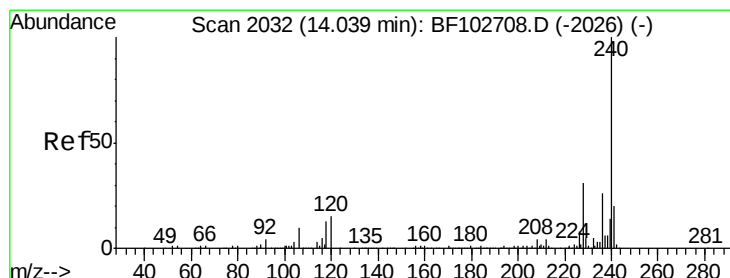
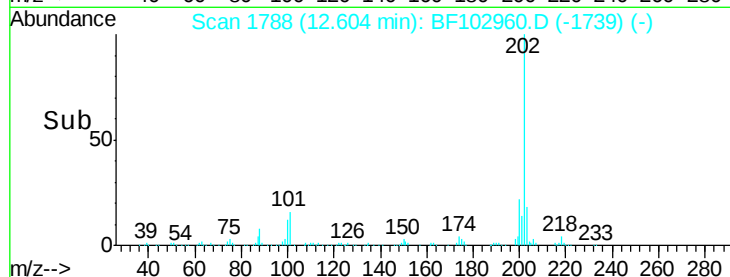
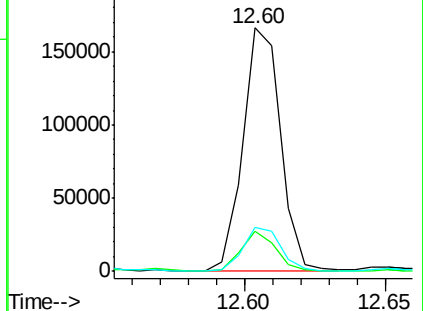
203 18.3 0.0 38.1



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: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

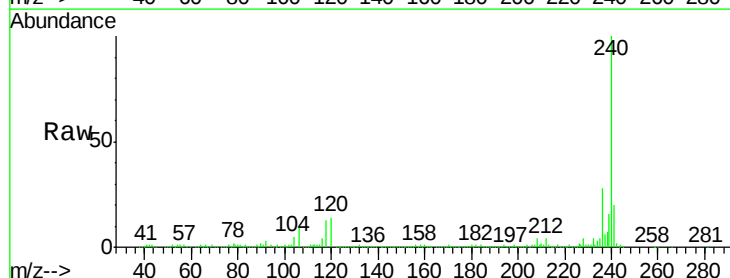
Tgt Ion:240 Resp: 315805

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

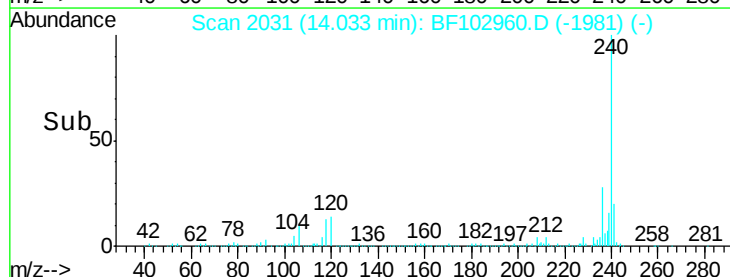
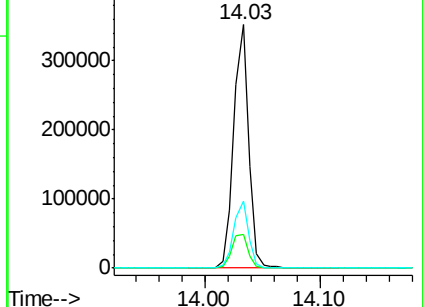
236 27.7 20.7 31.1

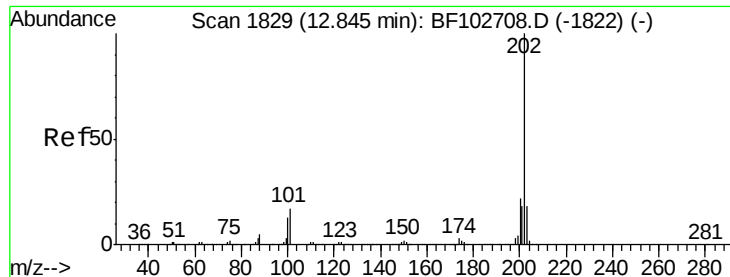


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.77 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

Instrument :

BNA_F

ClientSampleId :

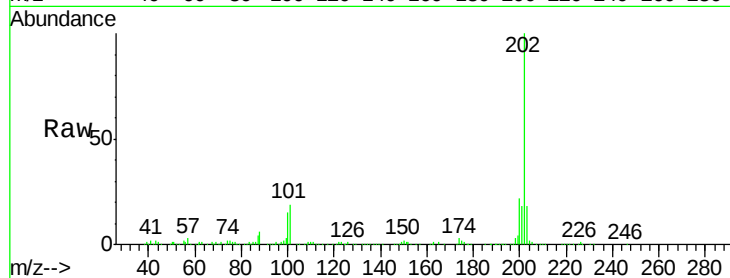
Tot Ion:202 Resp: 192340

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

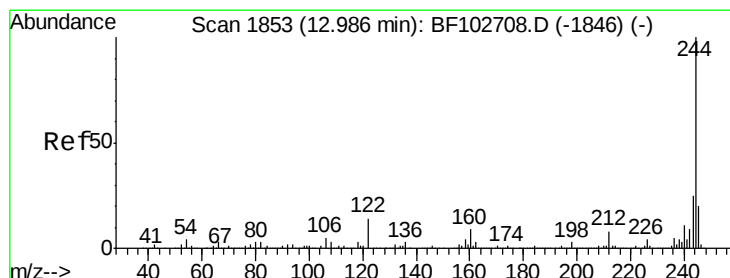
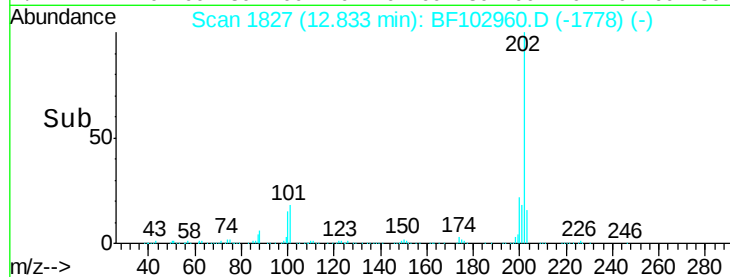
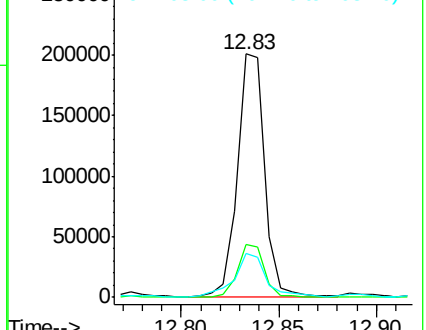
203 18.1 14.3 21.5



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: 75.56 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

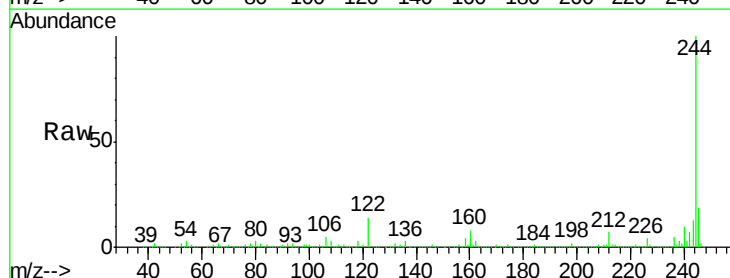
Tgt Ion:244 Resp: 1007819

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

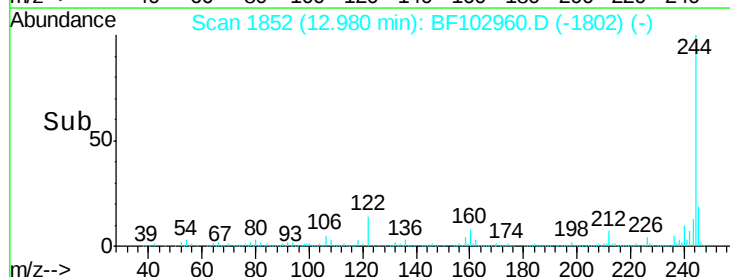
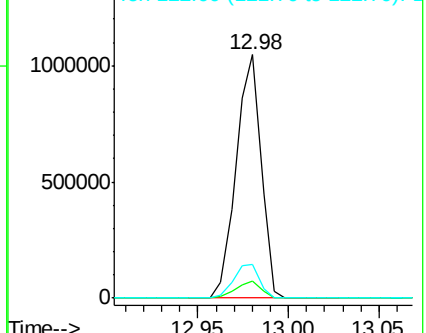
122 13.9 11.0 16.4

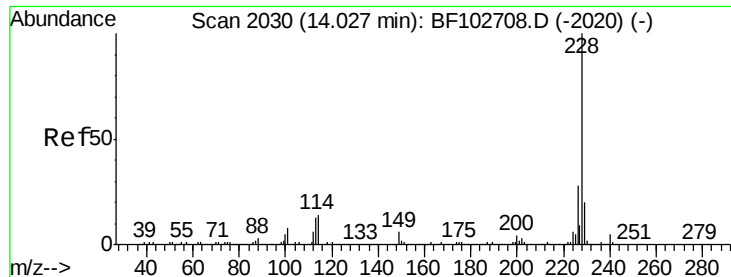


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.50 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

Instrument :

BNA_F

ClientSampleId :

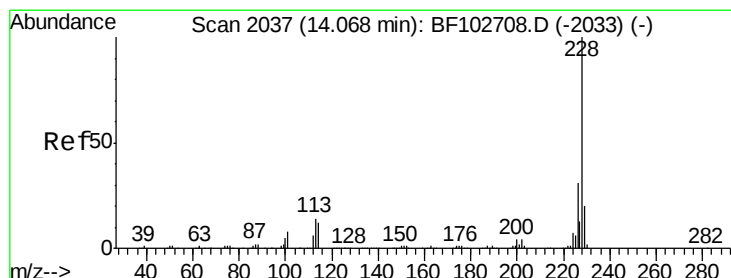
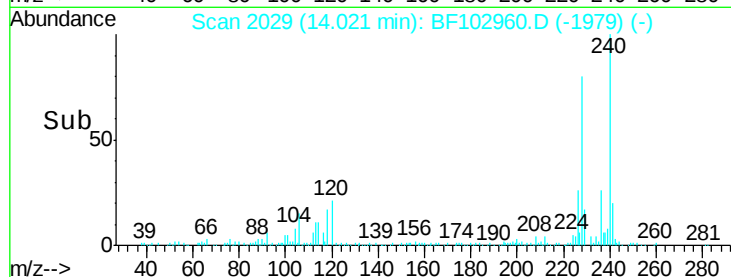
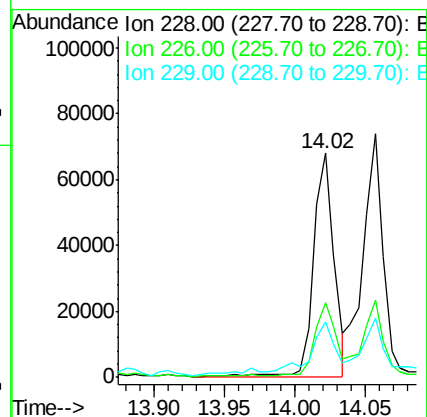
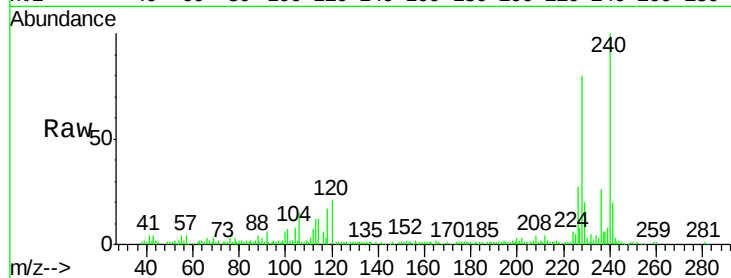
Tot Ion:228 Resp: 69494

Ion Ratio Lower Upper

228 100

226 33.2 22.6 33.8

229 24.7 15.8 23.6#



#82

Chrysene

Concen: 3.41 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF102960.D

Acq: 13 Feb 2018 14:36

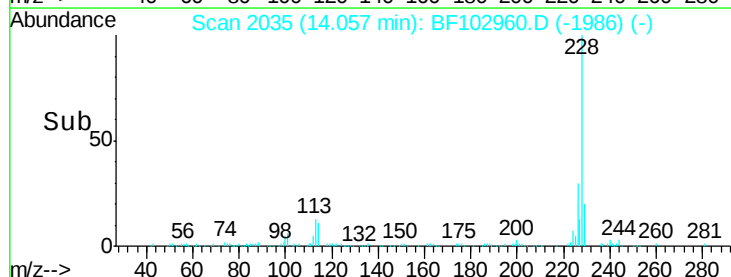
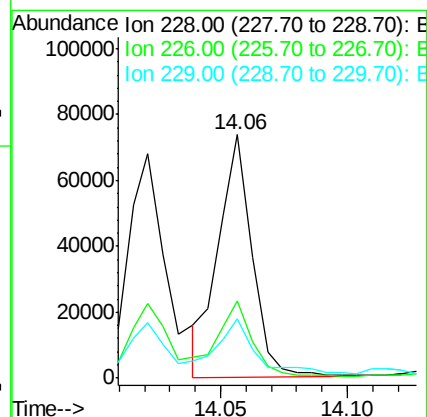
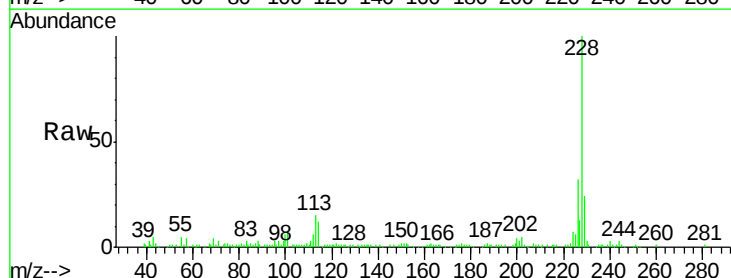
Tgt Ion:228 Resp: 68178

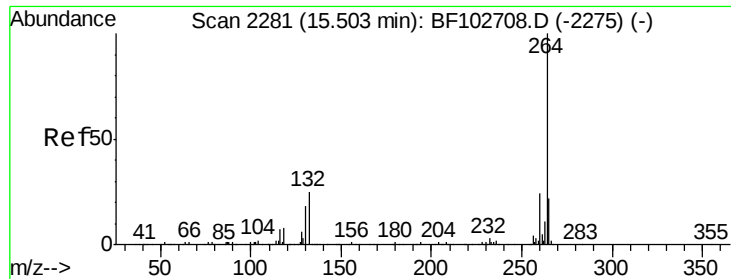
Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

229 24.3 16.2 24.4

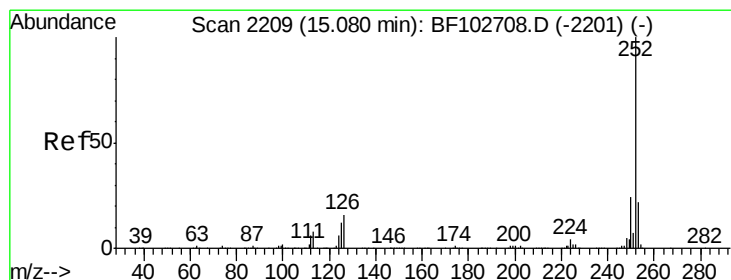
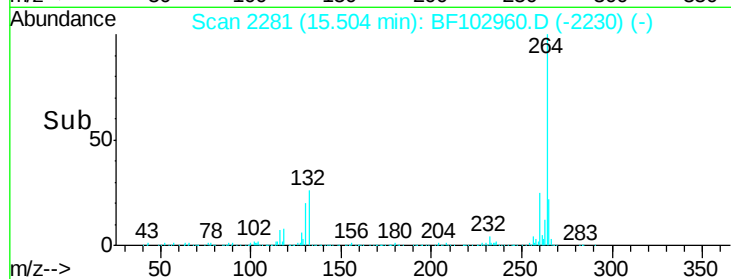
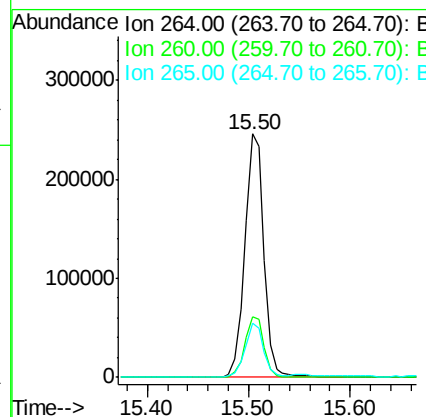
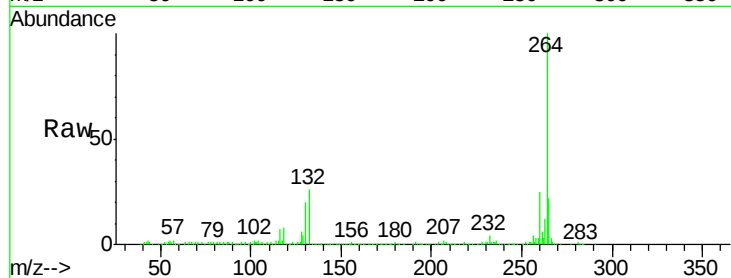




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

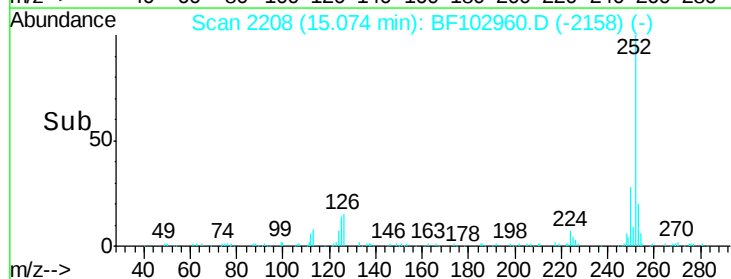
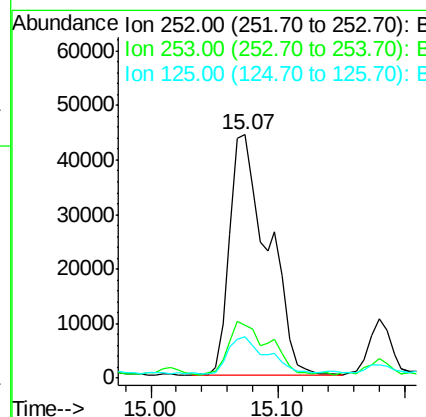
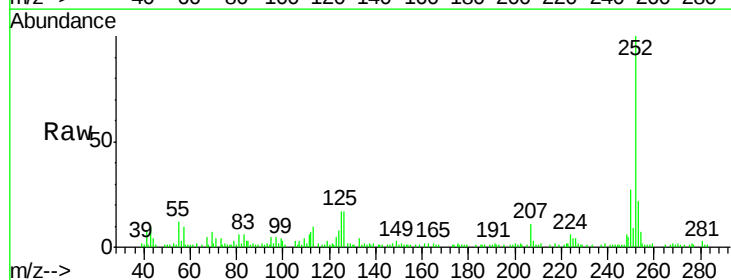
Instrument :
BNA_F
ClientSampleId :

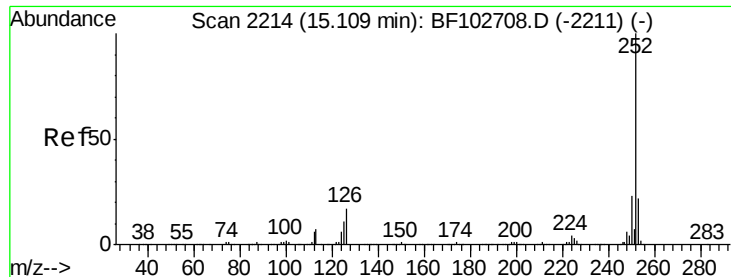
Tot Ion:264 Resp: 319842
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.45 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:252 Resp: 92249
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 16.7 9.0 13.6#

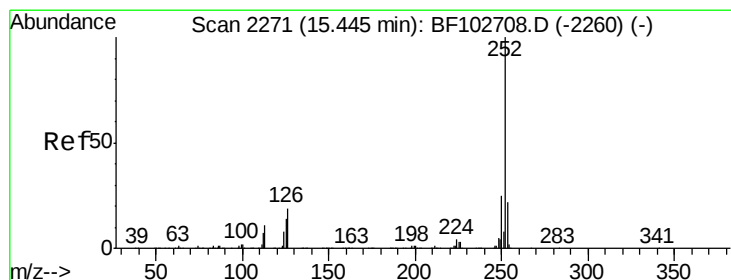
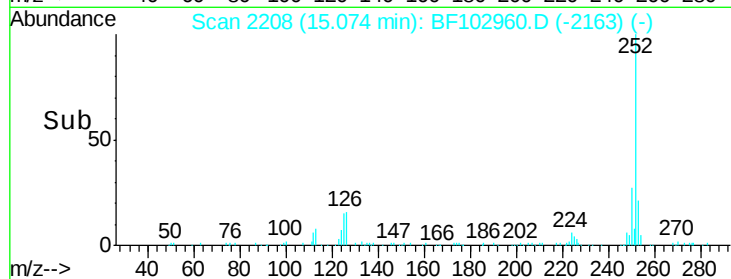
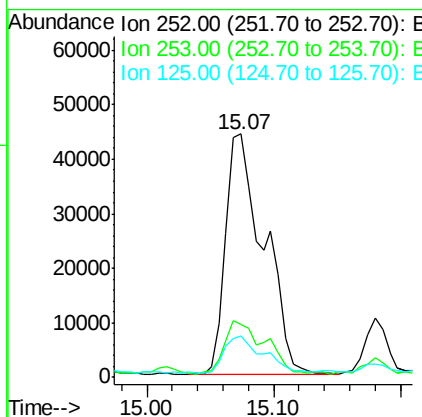
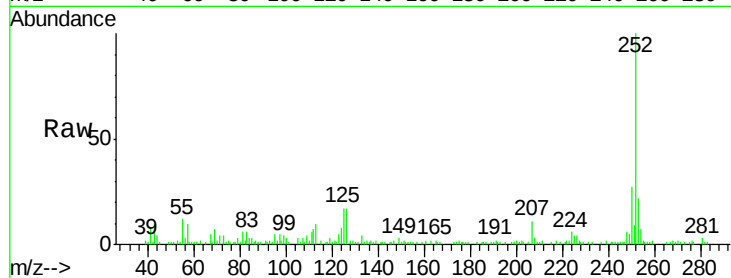




#88
Benzo(k)fluoranthene
Concen: 4.66 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

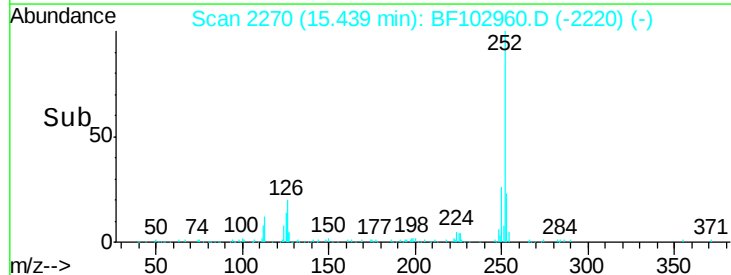
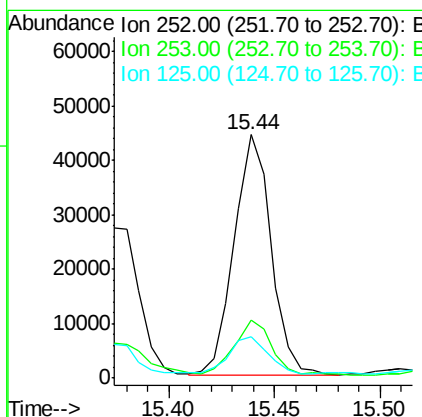
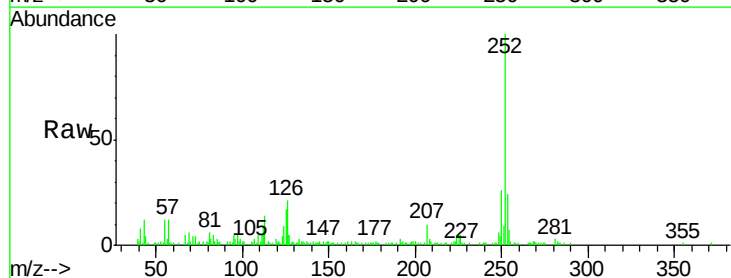
Instrument :
BNA_F
ClientSampleId :

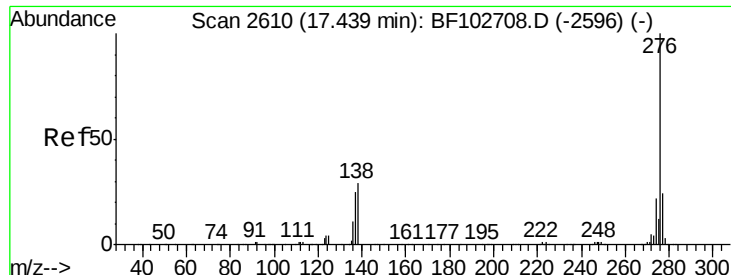
Tot Ion:252 Resp: 92249
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 16.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.88 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF102960.D
Acq: 13 Feb 2018 14:36

Tgt Ion:252 Resp: 53714
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 16.8 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.40 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF102960.D
 Acq: 13 Feb 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	31.0	21.8	32.8

