

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103209.D
 Acq On : 26 Feb 2018 11:01
 Operator : SJ/JU
 Sample : J1640-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 12:14:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

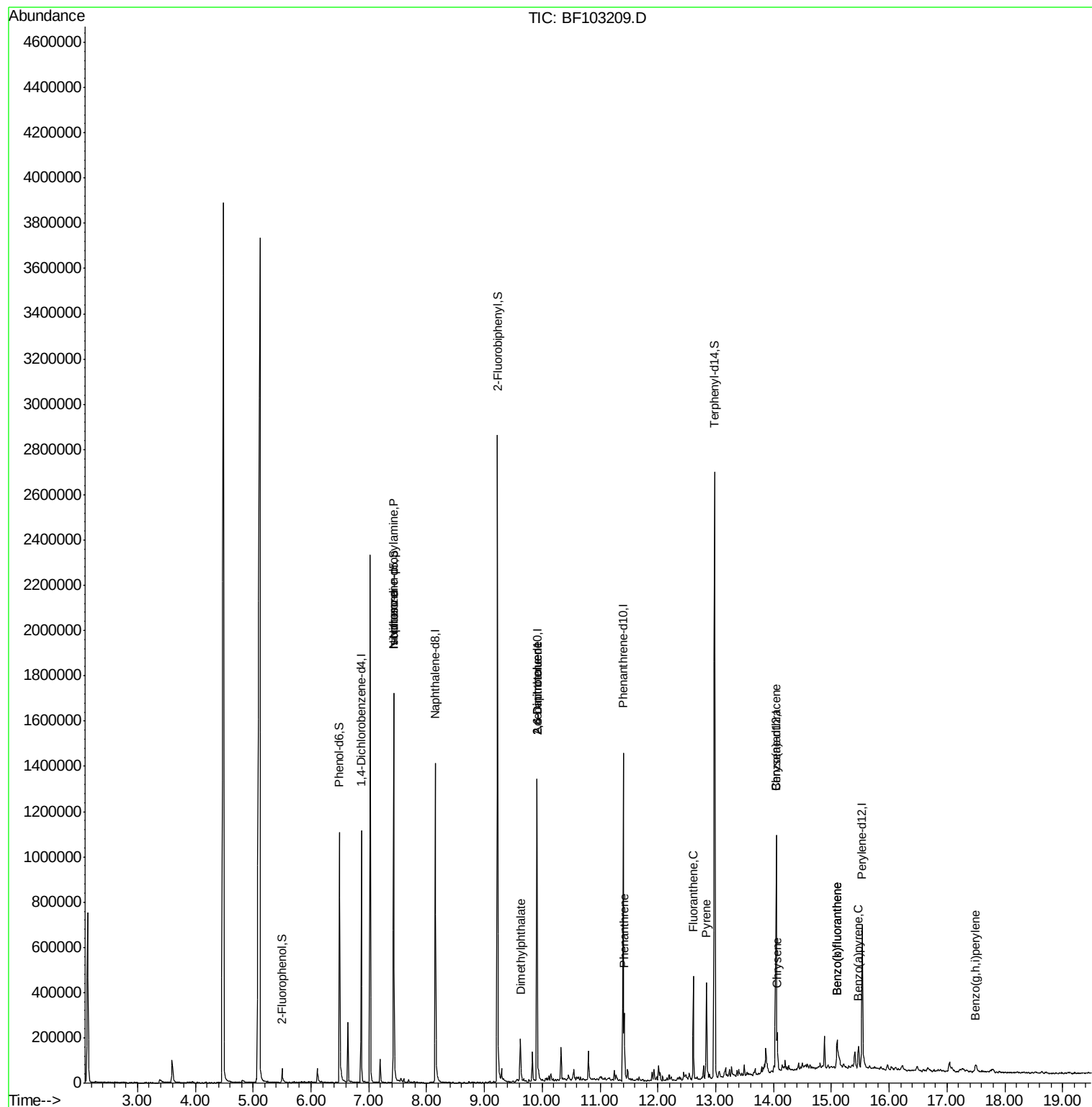
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150021	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	648916	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	290700	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	520044	20.00	ng	0.00
75) Chrysene-d12	14.04	240	351408	20.00	ng	0.00
86) Perylene-d12	15.53	264	289020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	24010	2.42	ng	0.01
7) Phenol-d6	6.49	99	396175	32.64	ng	-0.01
23) Nitrobenzene-d5	7.43	82	585697	51.54	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.22	172	977799	52.73	ng	0.00
78) Terphenyl-d14	12.98	244	911176	62.33	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	460	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.43	70	77299	10.233	ng	# 79
25) Isophorone	7.43	82	585691	26.171	ng	# 64
49) Dimethylphthalate	9.62	163	91857	3.939	ng	# 98
50) 2,6-Dinitrotoluene	9.90	165	36705	7.500	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	36699	5.929	ng	# 23
70) Phenanthrene	11.42	178	102557	3.583	ng	# 98
74) Fluoranthene	12.61	202	169700	5.901	ng	# 99
77) Pyrene	12.84	202	170855	6.236	ng	# 100
80) Benzo(a)anthracene	14.03	228	61054	2.678	ng	# 99
82) Chrysene	14.07	228	63890	2.886	ng	# 96
87) Benzo(b)fluoranthene	15.10	252	91358	4.808	ng	# 92
88) Benzo(k)fluoranthene	15.10	252	91358	5.105	ng	# 95
89) Benzo(a)pyrene	15.47	252	44397	2.616	ng	# 91
91) Benzo(a,h,i)perylene	17.50	276	32593	2.543	ng	# 95

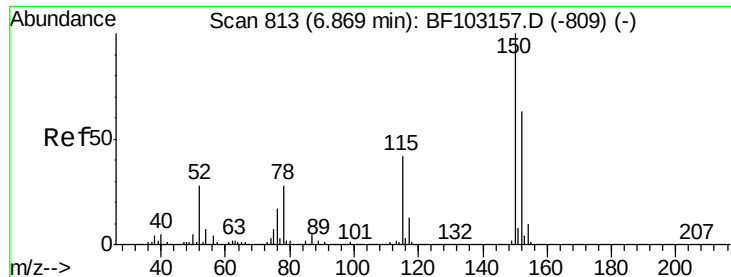
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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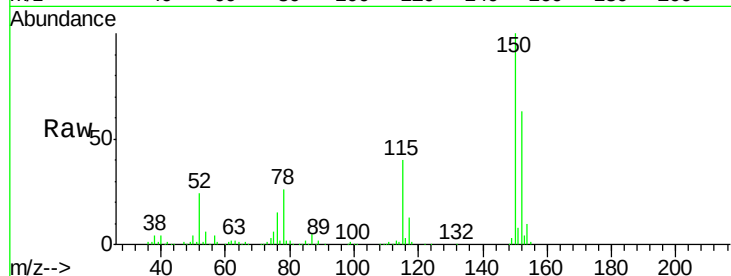


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	150021
Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	62.5	50.1	75.1

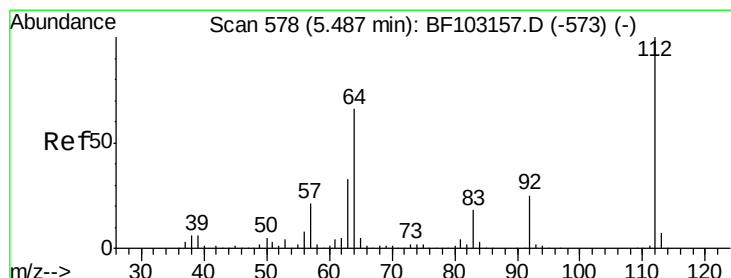
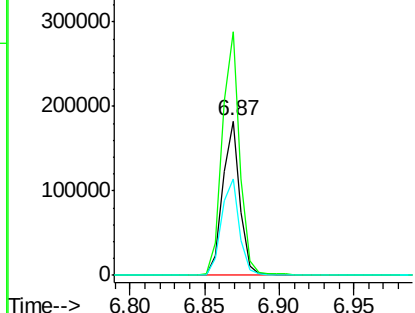
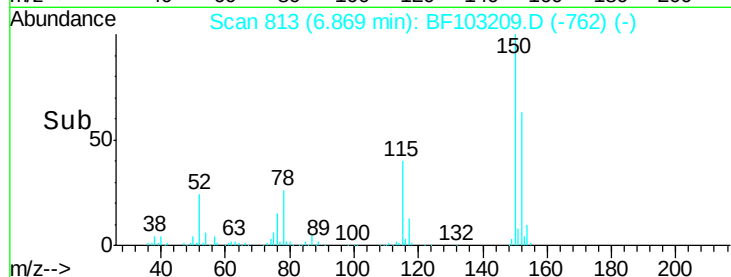


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

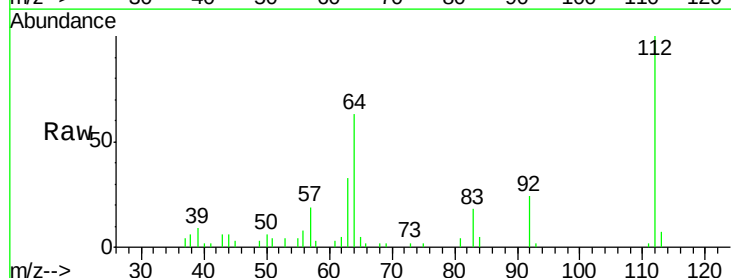
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.421 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion	112	Resp	24010
Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.9	71.9
63	33.0	23.7	35.5

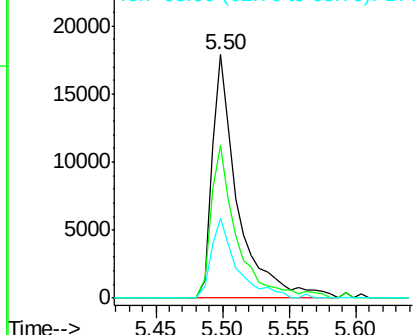
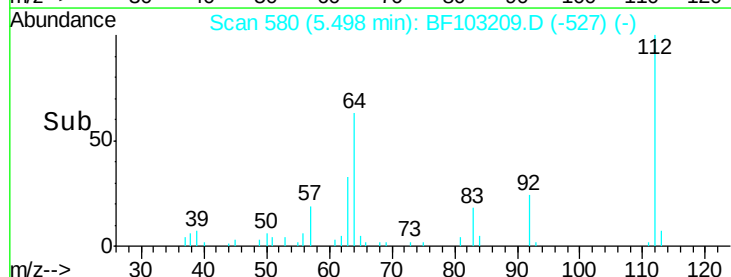


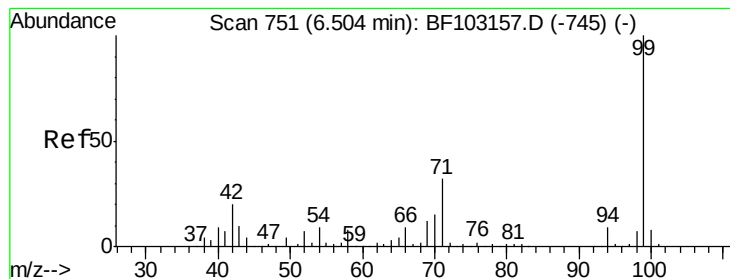
Abundance

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: 32.640 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

ClientSampleId :

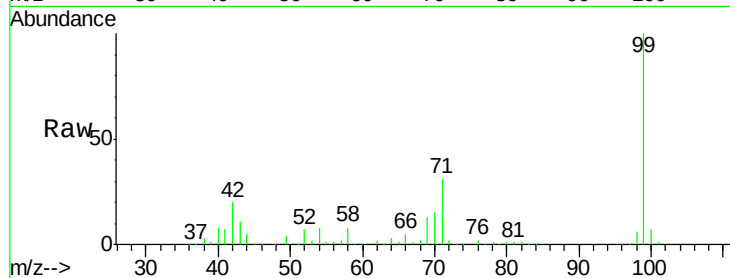
Tot Ion: 99 Resp: 396175

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

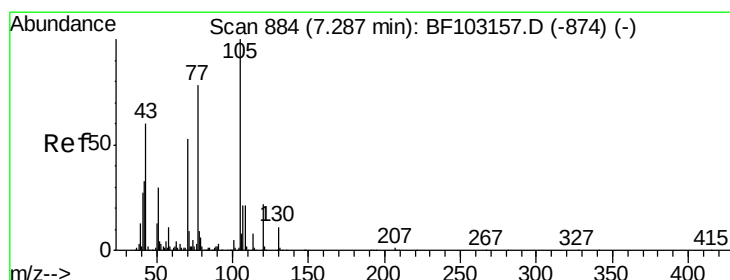
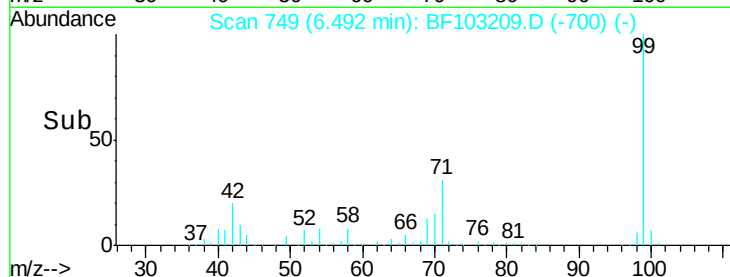
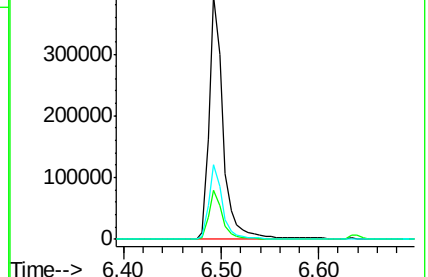
71 30.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.233 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Tgt Ion: 70 Resp: 77299

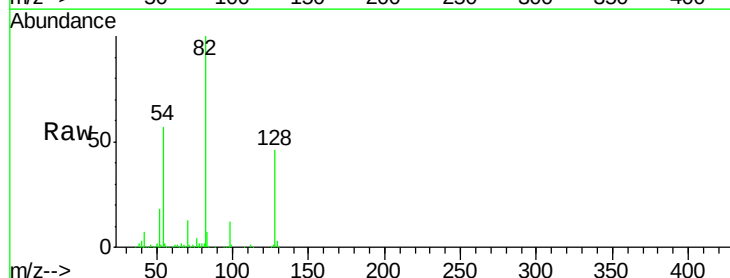
Ion Ratio Lower Upper

70 100

42 49.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

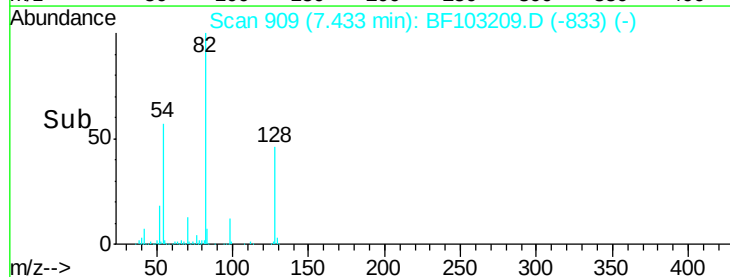
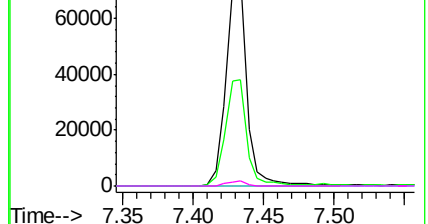


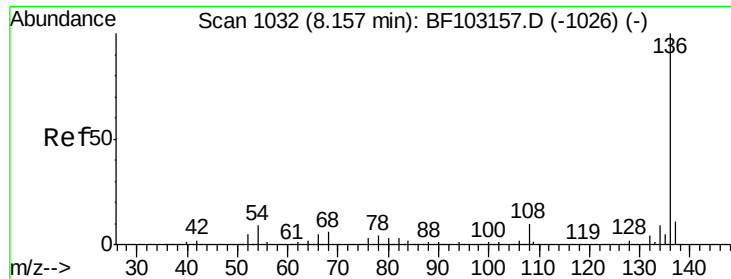
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

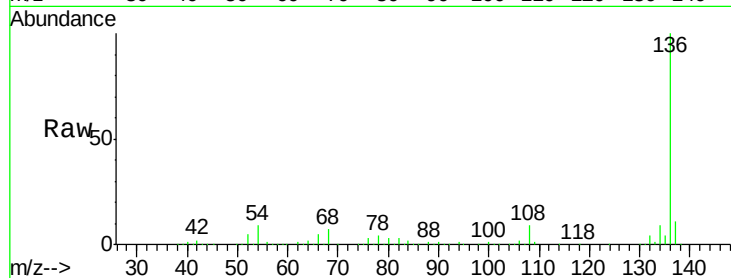




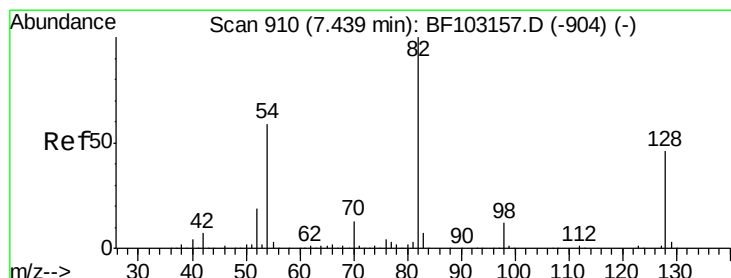
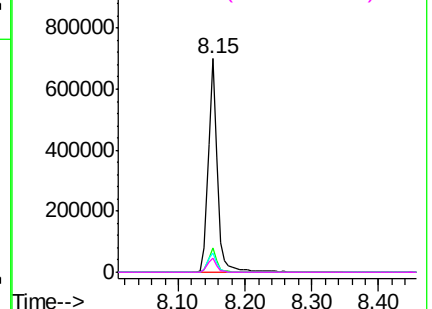
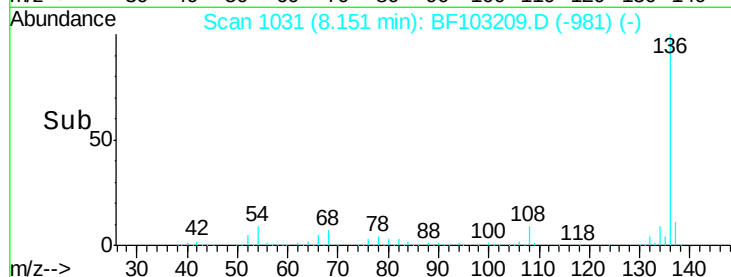
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	648916
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	9.0	6.6 9.8
68	6.7	5.0 7.4

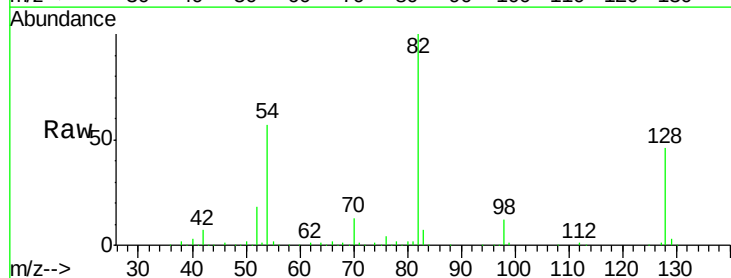


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

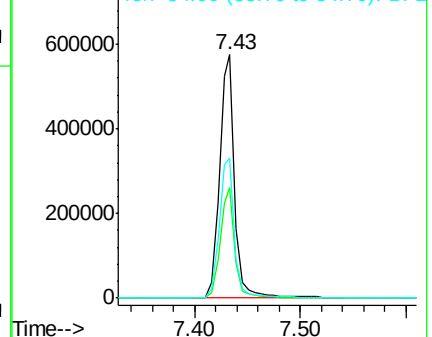
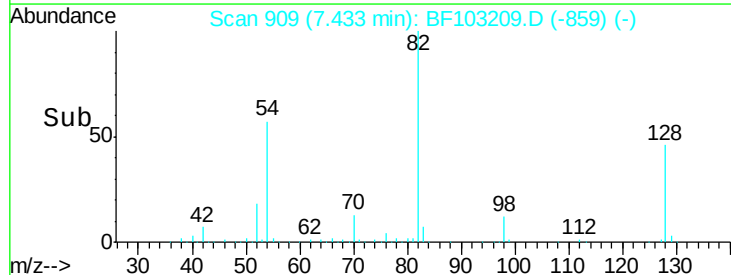


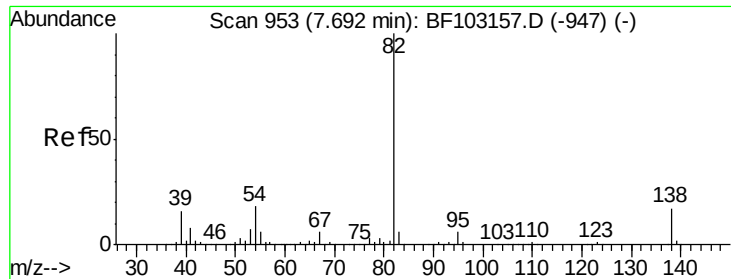
#23
Nitrobenzene-d5
Concen: 51.545 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion: 82	Resp:	585697
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.1 54.1
54	57.5	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

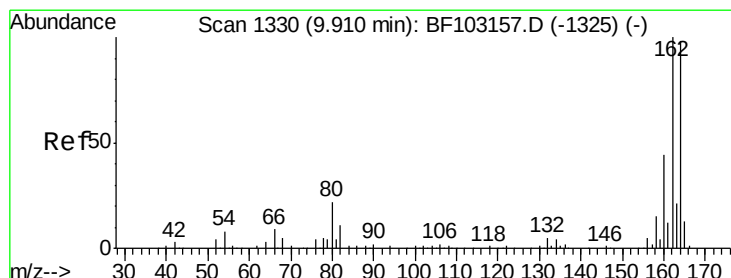
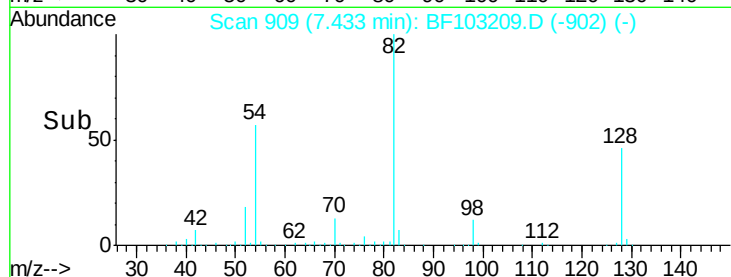
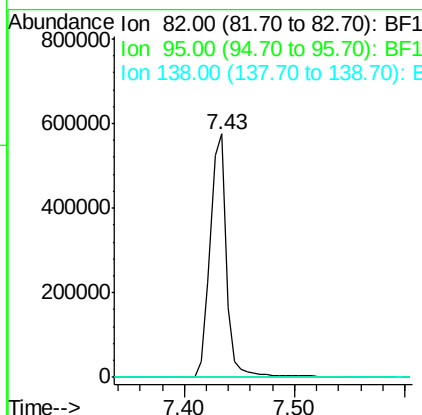
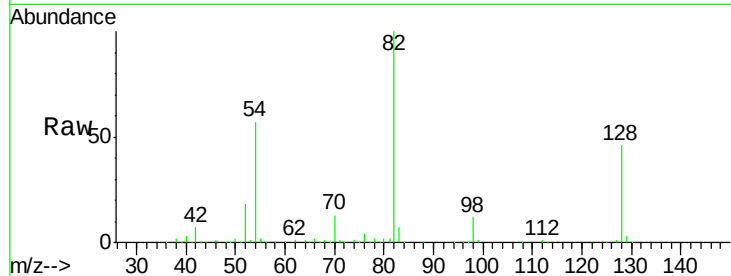




#25
Isophorone
Concen: 26.171 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

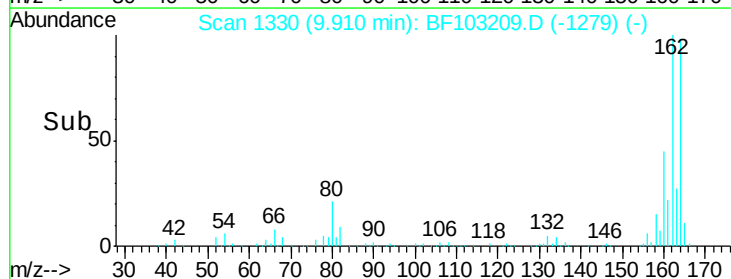
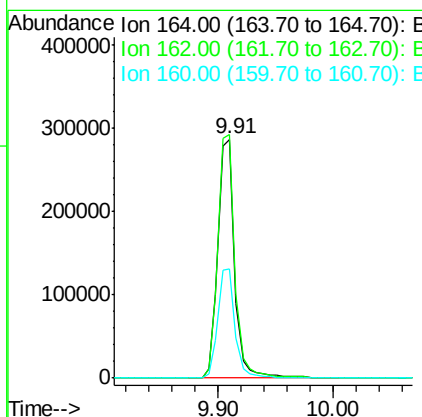
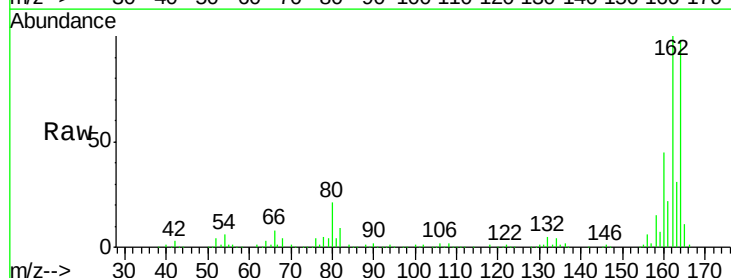
Instrument :
BNA_F
ClientSampleId :

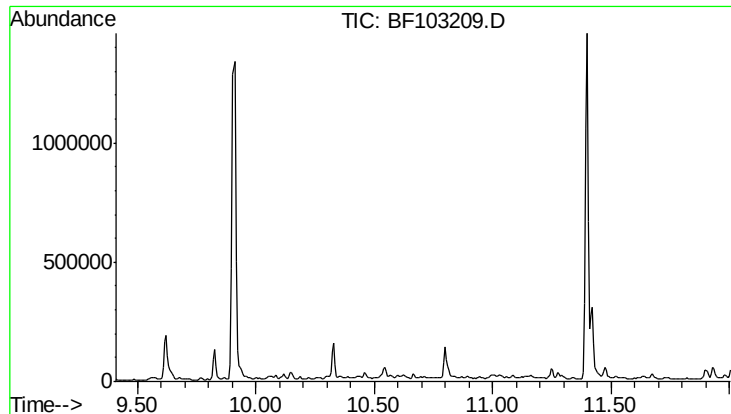
Tot Ion: 82 Resp: 585691
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion:164 Resp: 290700
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 46.0 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.70 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

ClientSampleId :

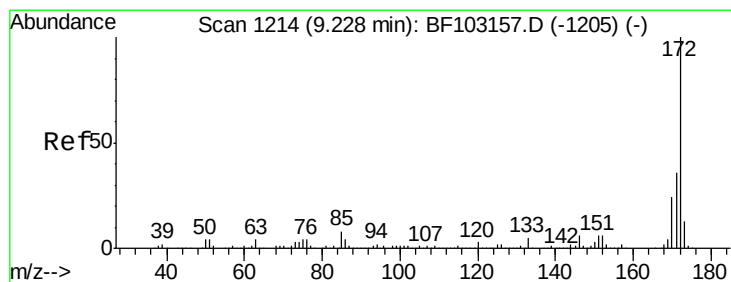
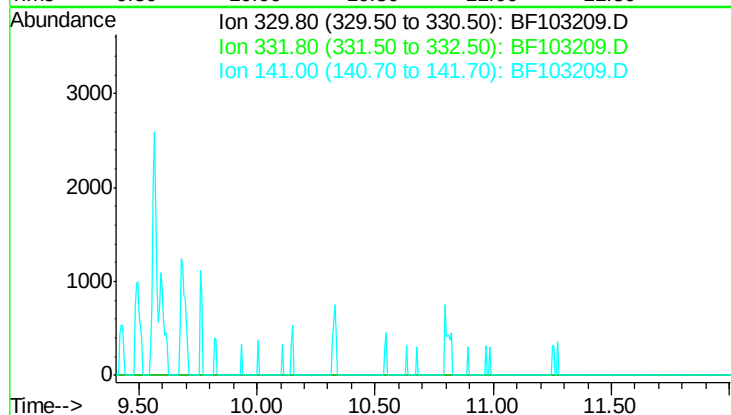
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.3

141 37.4



#44

2-Fluorobiphenyl

Concen: 52.730 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

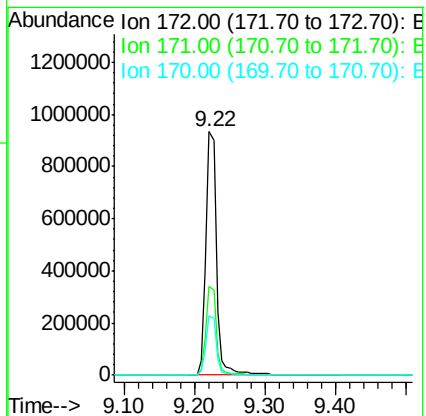
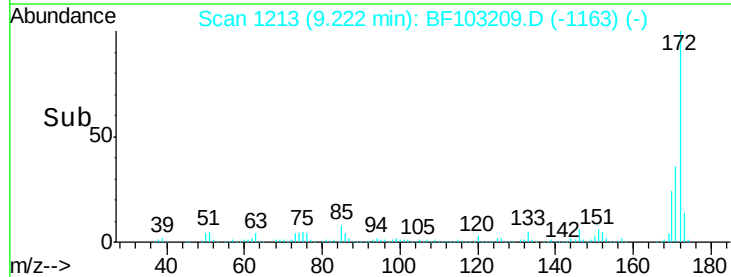
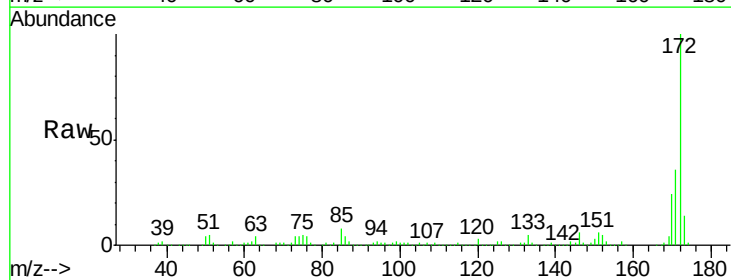
Tgt Ion: 172 Resp: 977799

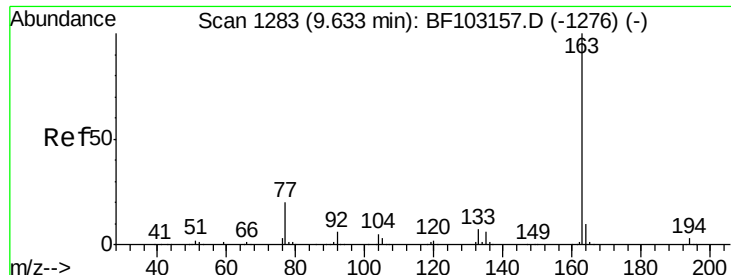
Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

170 24.3 19.6 29.4

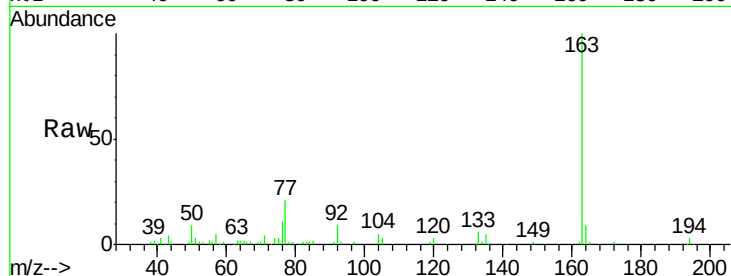




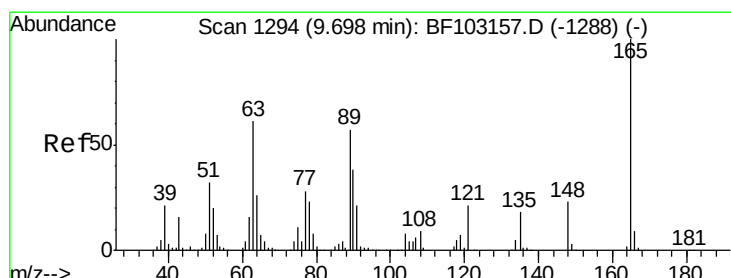
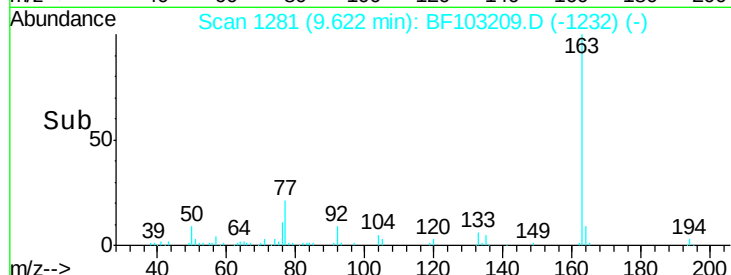
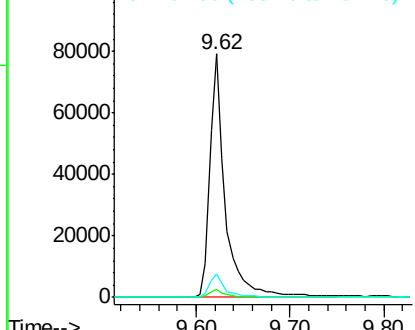
#49
Dimethylphthalate
Concen: 3.939 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 91857
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 8.2 12.2

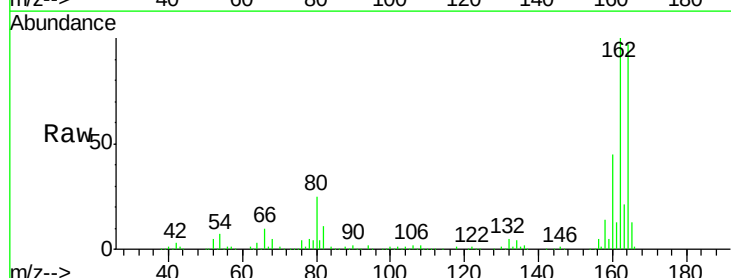


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

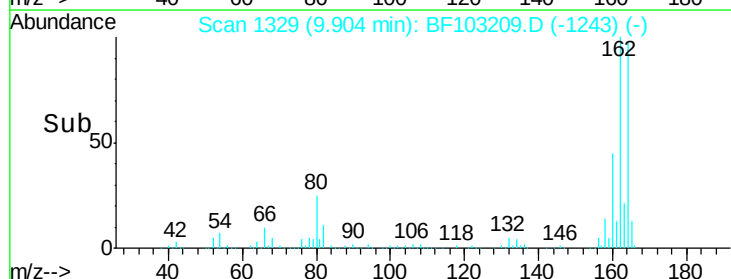
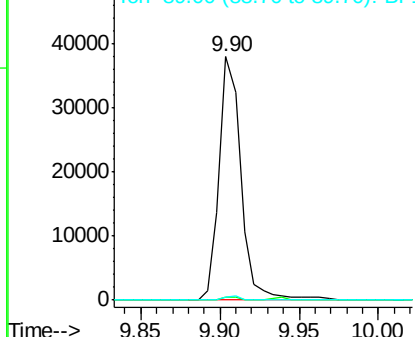


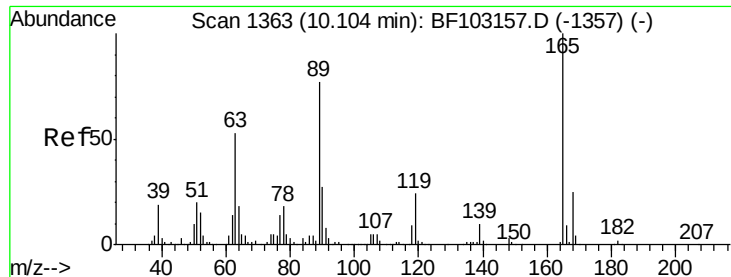
#50
2,6-Dinitrotoluene
Concen: 7.500 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion:165 Resp: 36705
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.1 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





#56

2,4-Dinitrotoluene

Concen: 5.929 ng

RT: 9.90 min Scan# 1329

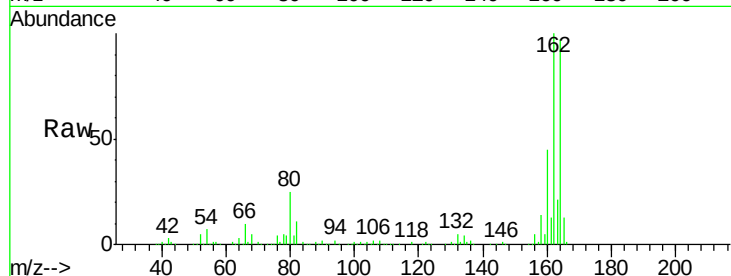
Delta R.T. -0.20 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	36699
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.1	57.8 86.6#
182	0.0	1.6 2.4#

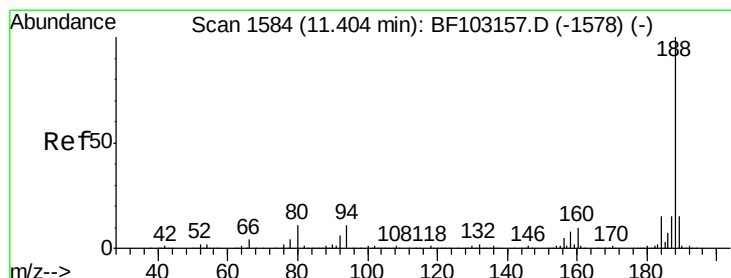
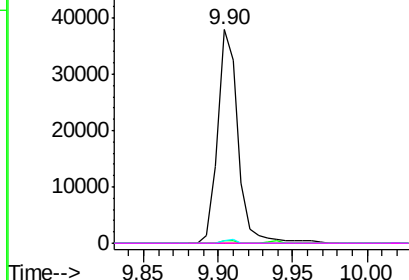
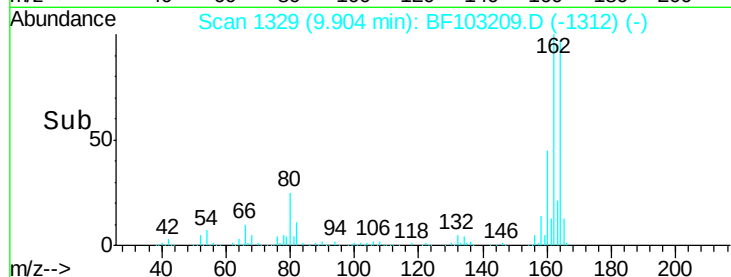


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

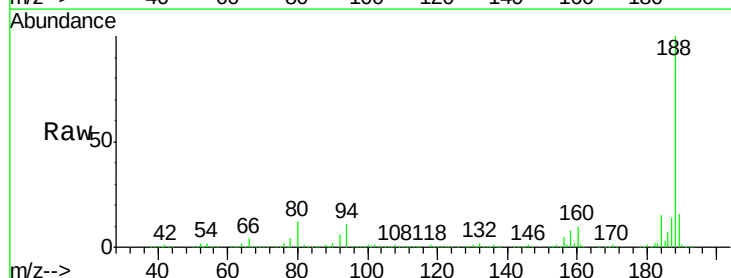
RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

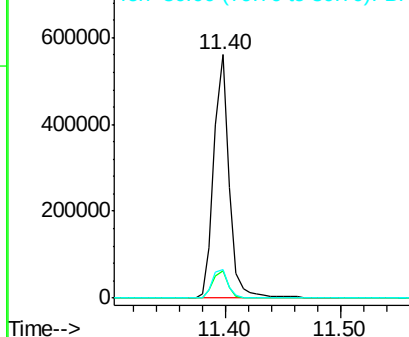
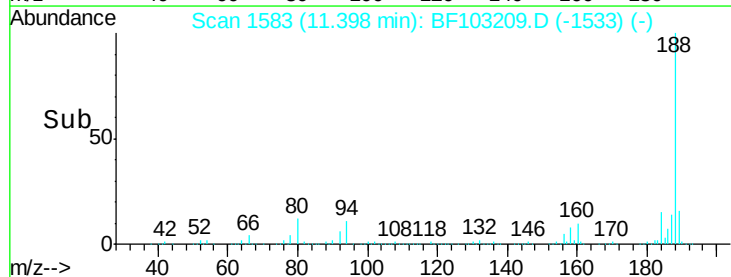
Tgt Ion:188	Resp:	520044
Ion Ratio	Lower	Upper
188	100	
94	11.3	8.5 12.7
80	11.9	9.2 13.8

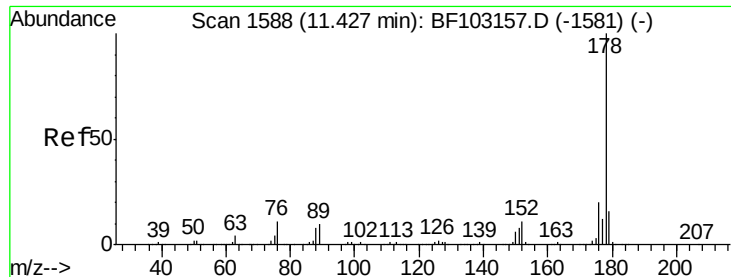


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.583 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

ClientSampleId :

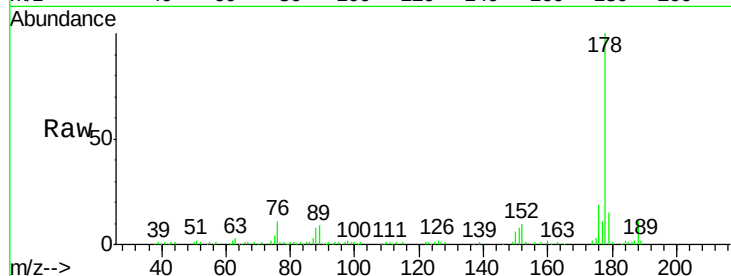
Tot Ion:178 Resp: 102557

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6

178 100

176 19.2 15.8 23.8

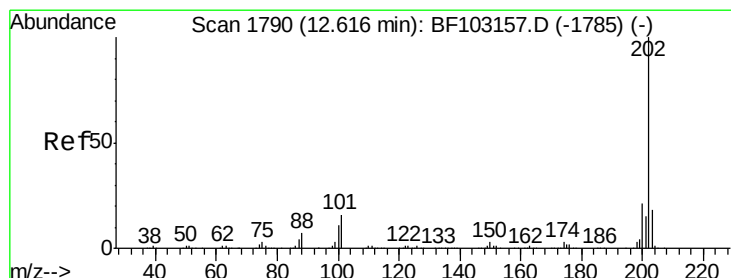
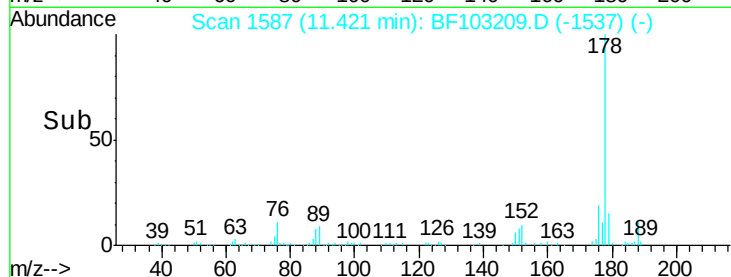
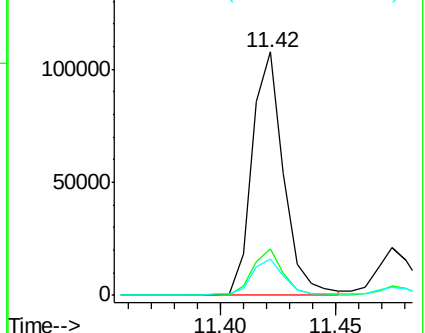
179 15.1 13.0 19.6



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: 5.901 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

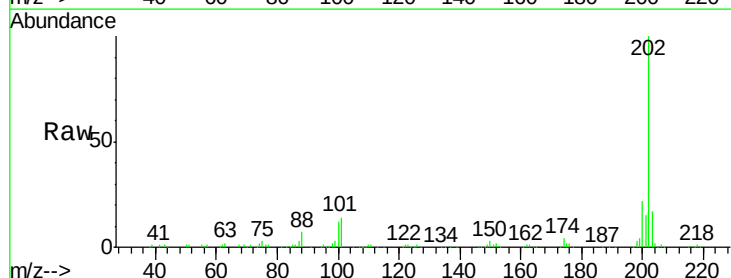
Tgt Ion:202 Resp: 169700

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.2	0.0	38.1

202 100

101 14.3 0.0 34.1

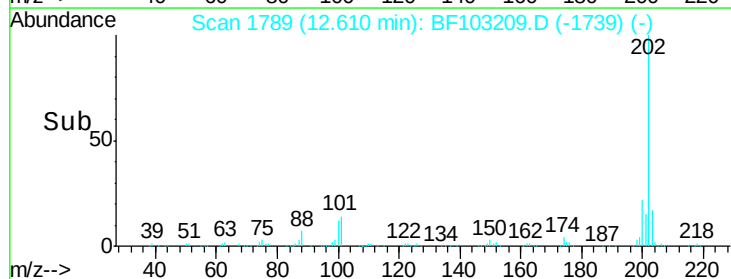
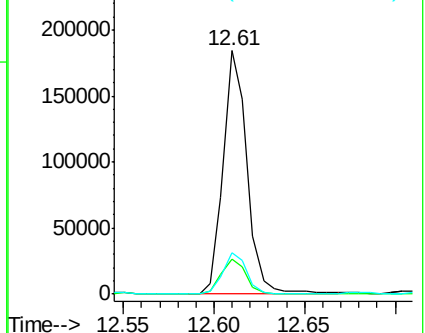
203 17.2 0.0 38.1

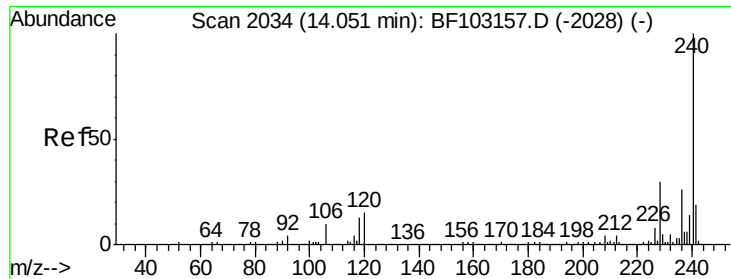


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

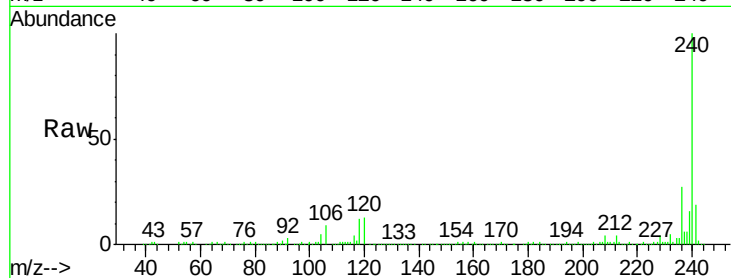




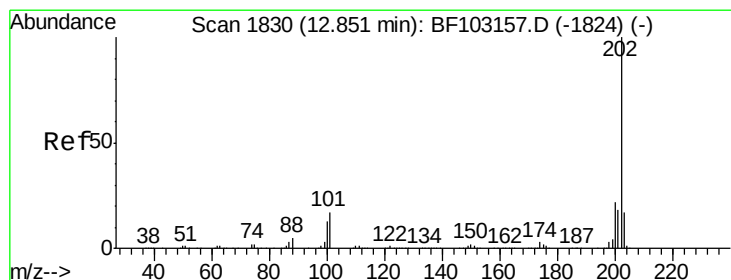
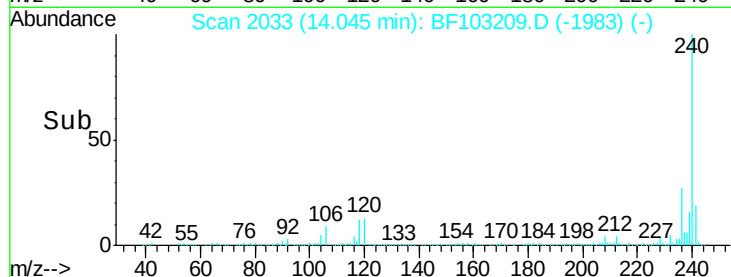
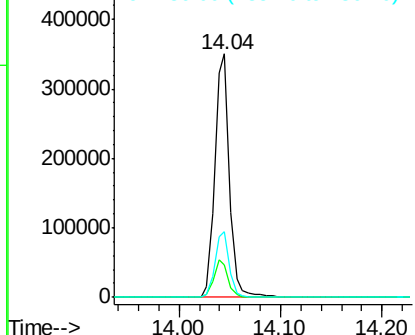
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 351408
Ion Ratio Lower Upper
240 100
120 13.3 9.5 14.3
236 27.2 20.7 31.1

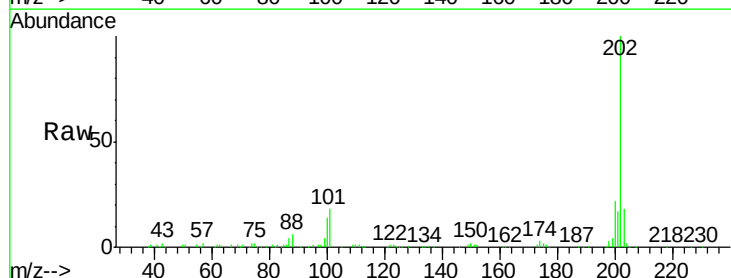


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

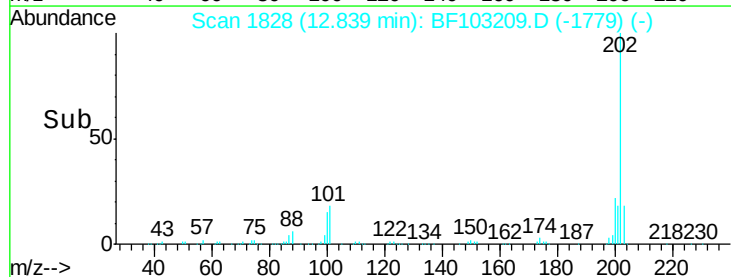
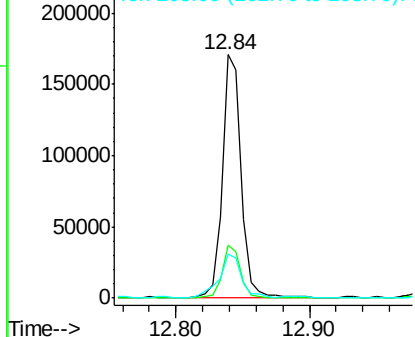


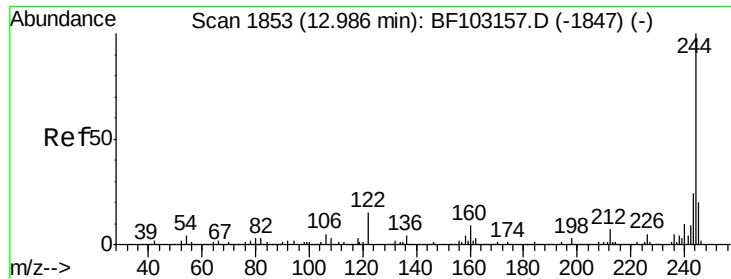
#77
Pyrene
Concen: 6.236 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion:202 Resp: 170855
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.2 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: 62.331 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

Instrument :

BNA_F

ClientSampleId :

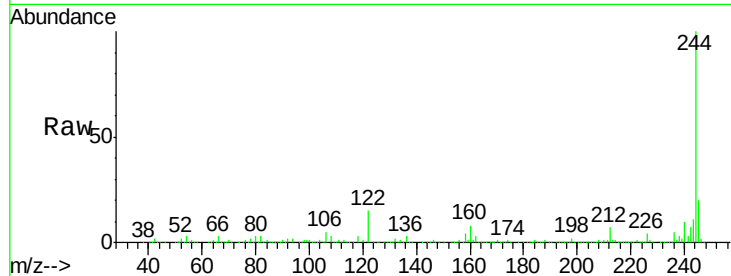
Tot Ion:244 Resp: 911176

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

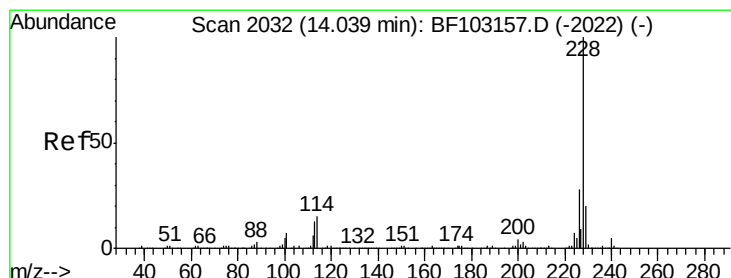
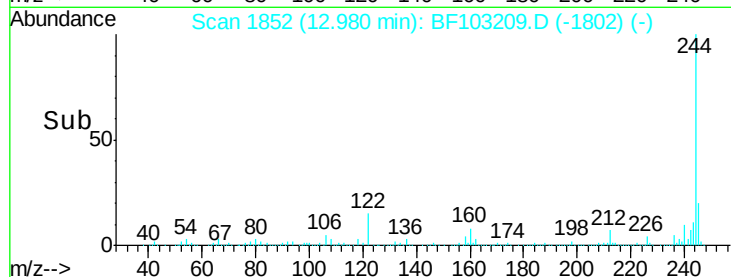
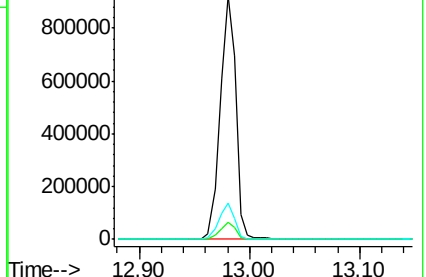
122 14.8 11.0 16.4



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: 2.678 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103209.D

Acq: 26 Feb 2018 11:01

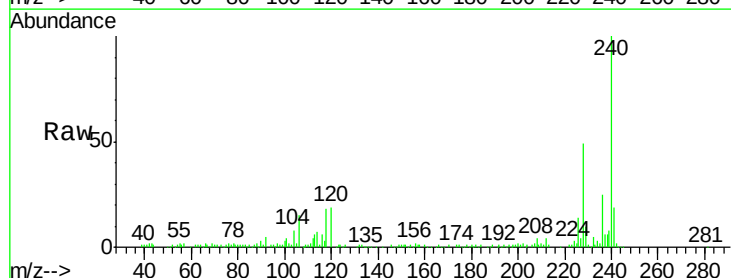
Tgt Ion:228 Resp: 61054

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

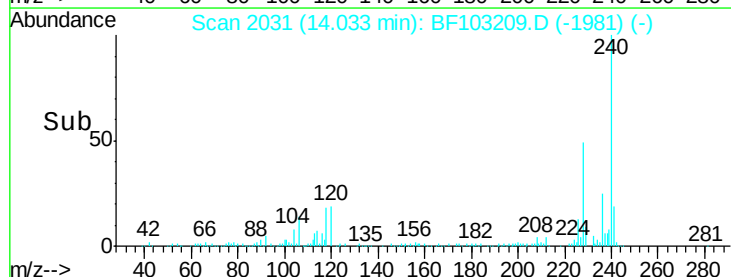
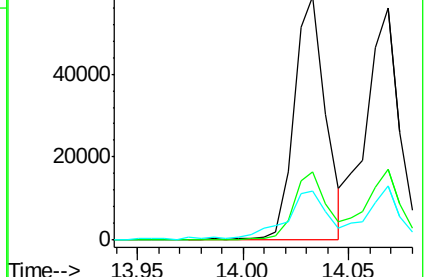
229 20.2 15.8 23.6

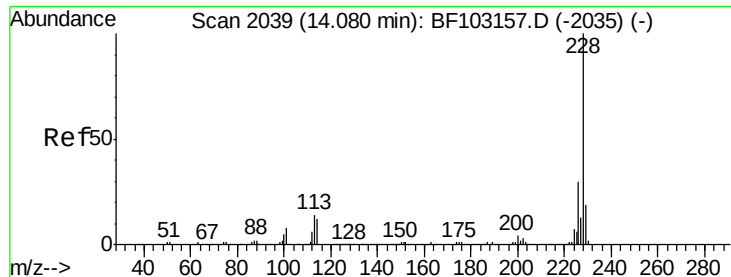


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

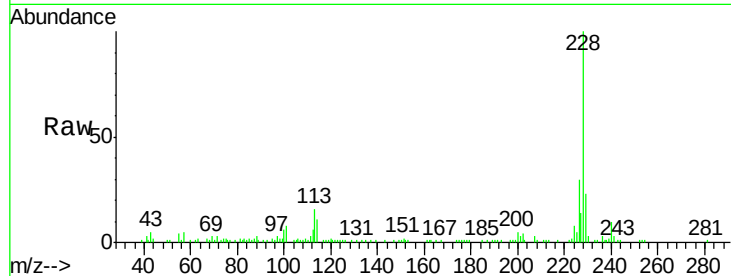




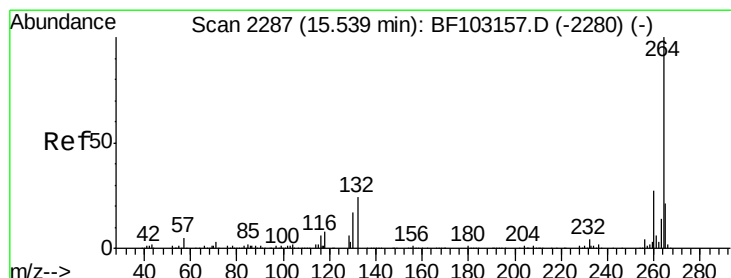
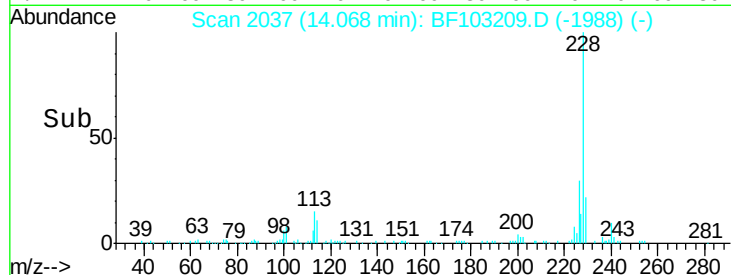
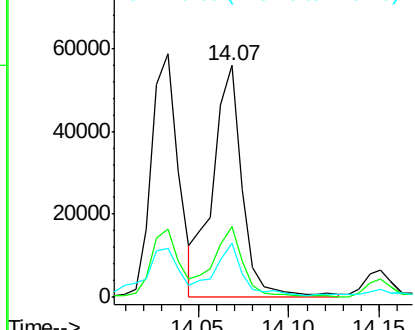
#82
Chrysene
Concen: 2.886 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 63890
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 23.3 16.2 24.4

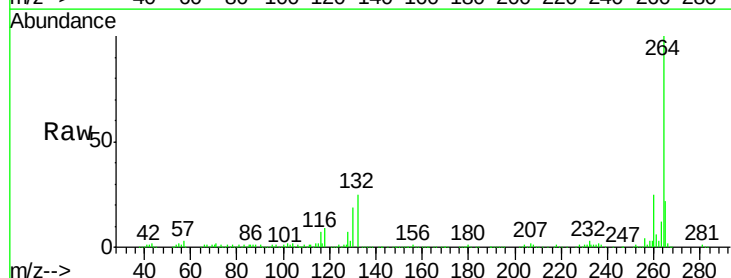


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

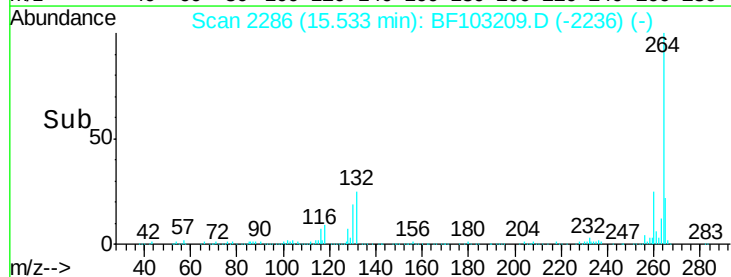
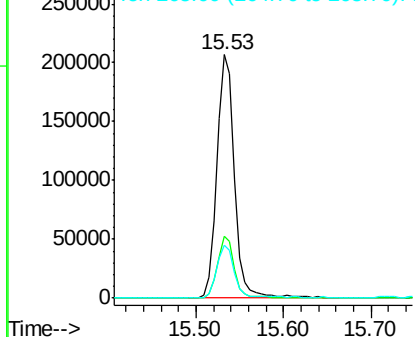


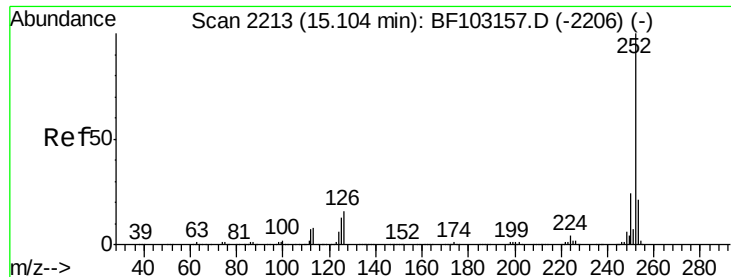
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion:264 Resp: 289020
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

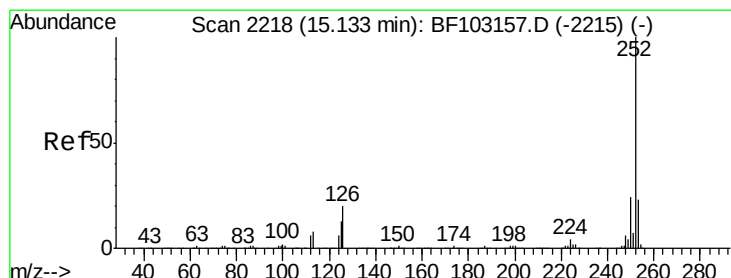
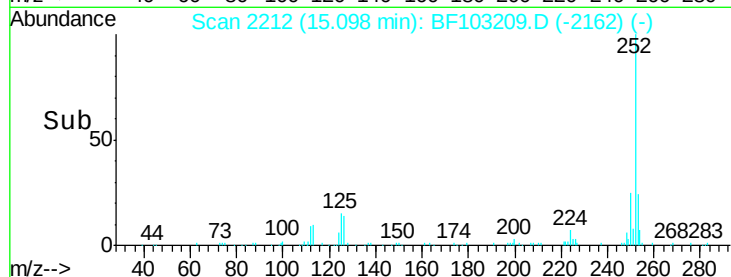
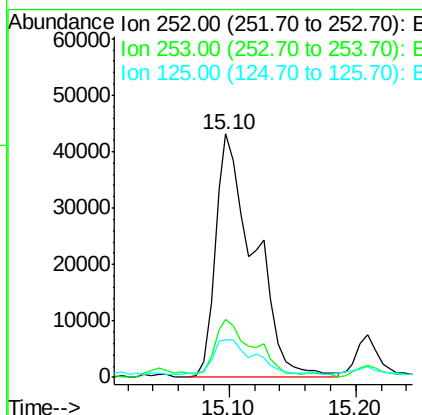
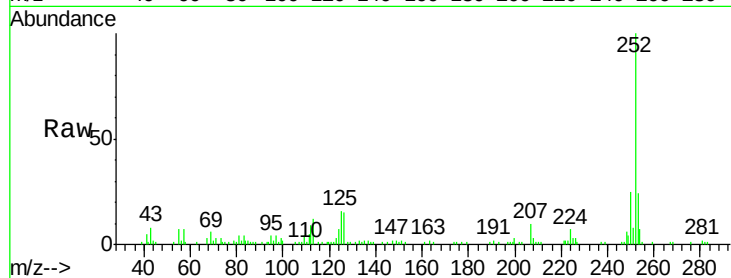




#87
Benzo(b)fluoranthene
Concen: 4.808 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

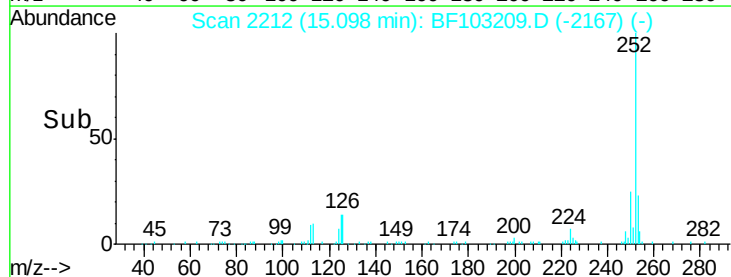
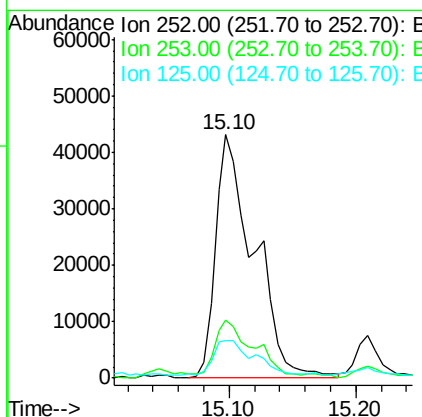
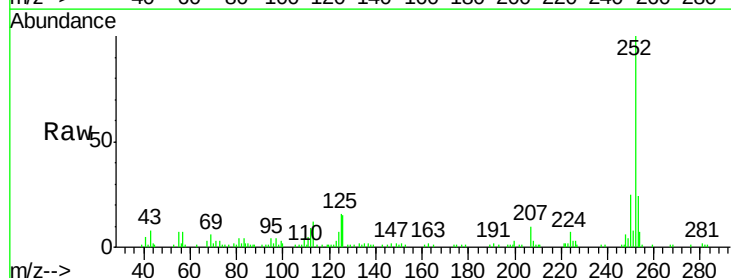
Instrument :
BNA_F
ClientSampled :

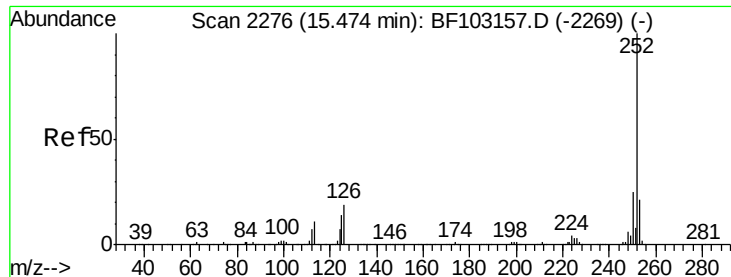
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.105 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.6	10.2	15.2

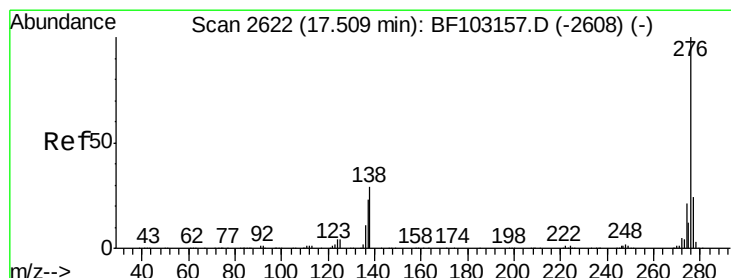
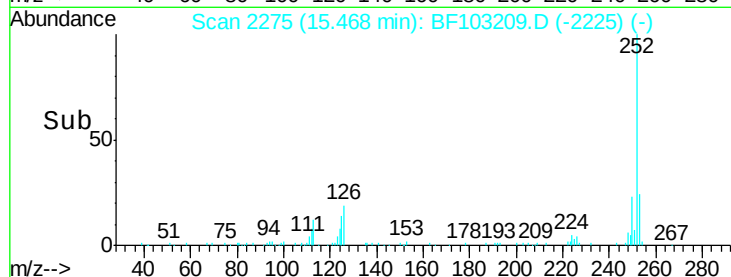
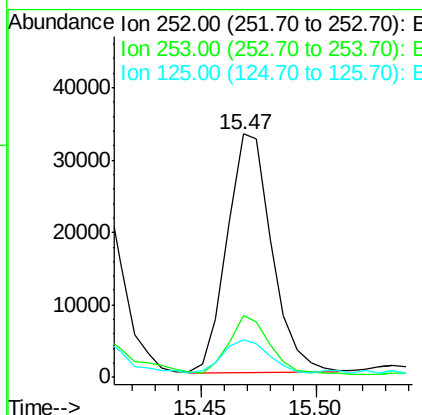
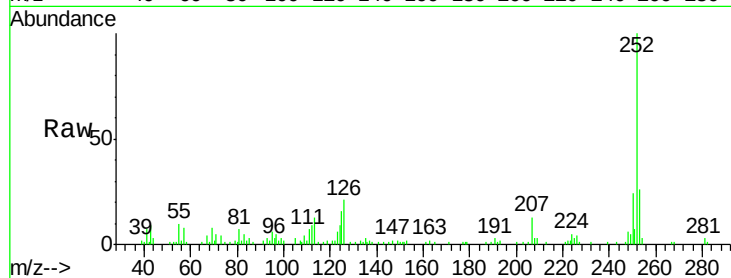




#89
Benzo(a)pyrene
Concen: 2.616 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44397
Ion Ratio Lower Upper
252 100
253 25.6 17.1 25.7
125 15.6 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.543 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF103209.D
Acq: 26 Feb 2018 11:01

Tgt Ion:276 Resp: 32593
Ion Ratio Lower Upper
276 100
277 21.0 17.9 26.9
138 30.8 21.8 32.8

