

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103302.D
 Acq On : 28 Feb 2018 19:24
 Operator : SJ/JU
 Sample : J1710-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 00:03:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154102	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	644117	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	274415	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	407391	20.00	ng	0.00
75) Chrysene-d12	14.06	240	257658	20.00	ng	0.00
86) Perylene-d12	15.56	264	254018	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1035589	101.64	ng	0.00
7) Phenol-d6	6.51	99	1260048	101.06	ng	0.00
23) Nitrobenzene-d5	7.44	82	866963	76.87	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	194667	83.81	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1134068	67.80	ng	0.00
78) Terphenyl-d14	12.99	244	704497	65.73	ng	0.00

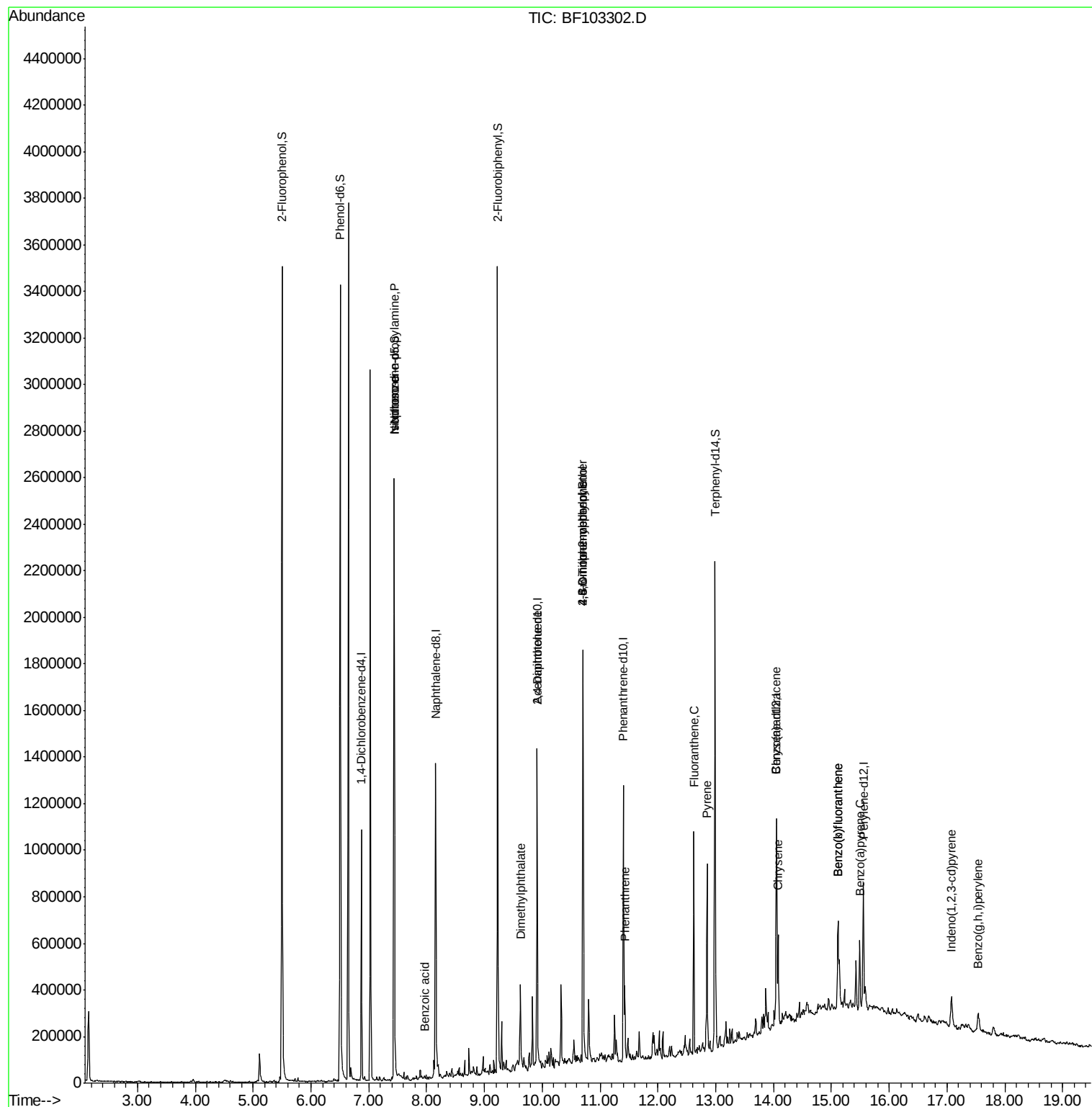
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1191	Below Cal		# 42
19) n-Nitroso-di-n-propylamine	7.44	70	116718	15.042	ng	# 84
25) Isophorone	7.44	82	860759	38.749	ng	# 64
32) Benzoic acid	7.96	122	287	6.951	ng	# 16
49) Dimethylphthalate	9.62	163	113925	5.175	ng	100
56) 2,4-Dinitrotoluene	9.91	165	36956	6.325	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	439	5.104	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14141	3.332	ng	# 1
70) Phenanthrene	11.43	178	95371	4.254	ng	99
74) Fluoranthene	12.62	202	340480	15.113	ng	99
77) Pyrene	12.85	202	312095	15.536	ng	99
80) Benzo(a)anthracene	14.04	228	154736	9.256	ng	98
82) Chrysene	14.08	228	146664	9.035	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	73208	5.697	ng	98
87) Benzo(b)fluoranthene	15.12	252	275499	16.496	ng	# 96
88) Benzo(k)fluoranthene	15.12	252	275499	17.517	ng	97
89) Benzo(a)pyrene	15.49	252	138219	9.267	ng	# 96
91) Benzo(g,h,i)perylene	17.54	276	66215	5.879	ng	93

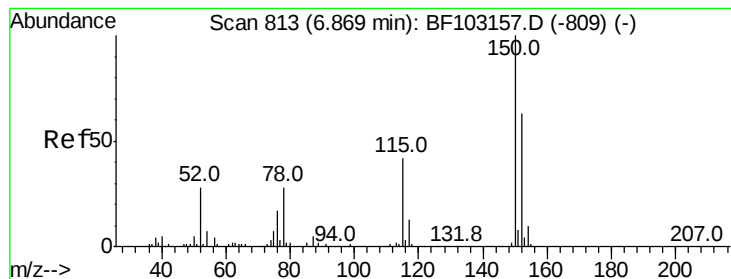
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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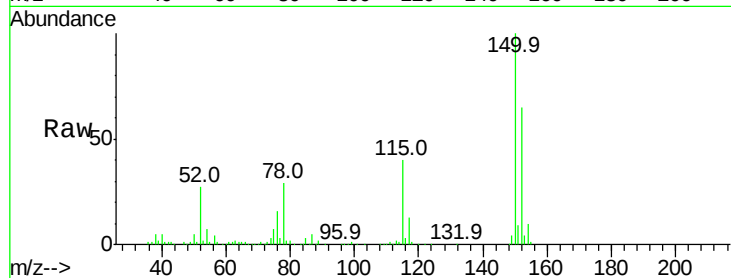


#1

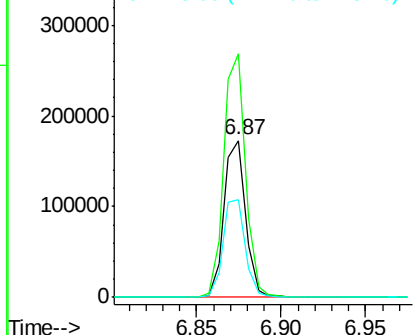
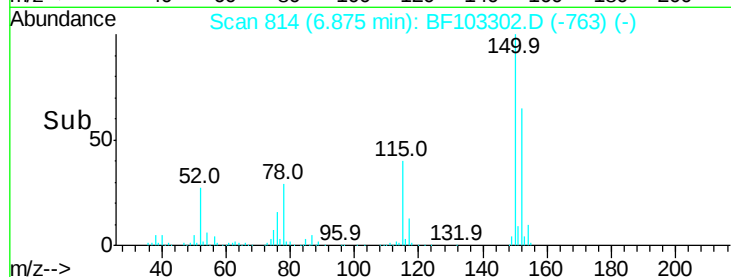
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154102
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 62.2 50.1 75.1



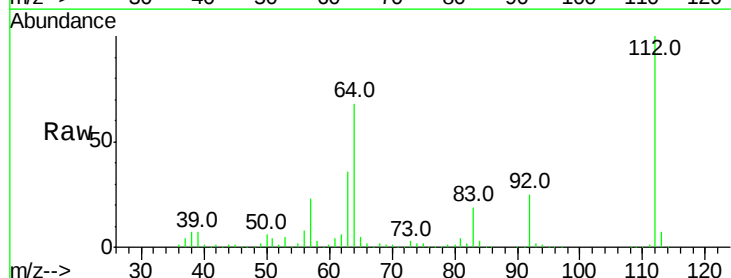
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



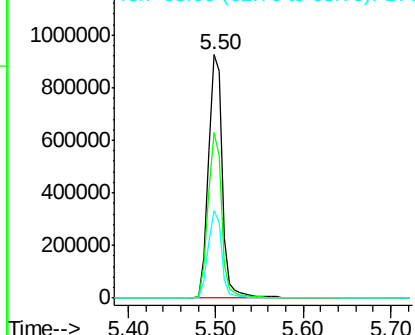
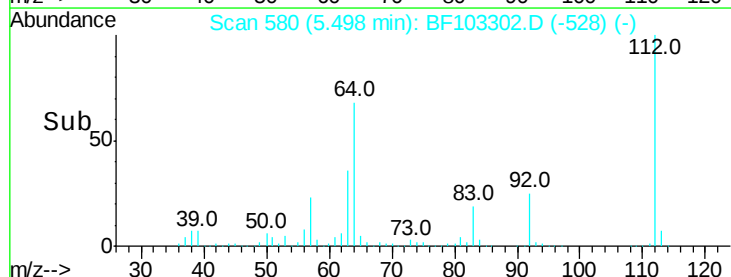
#5

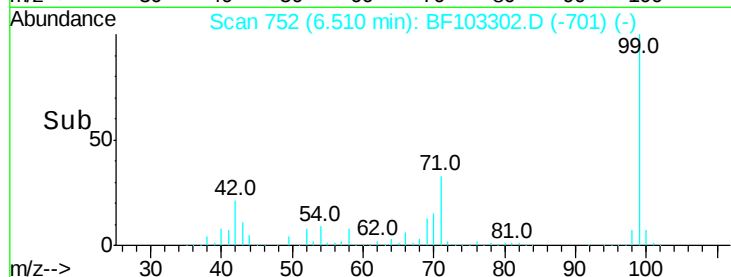
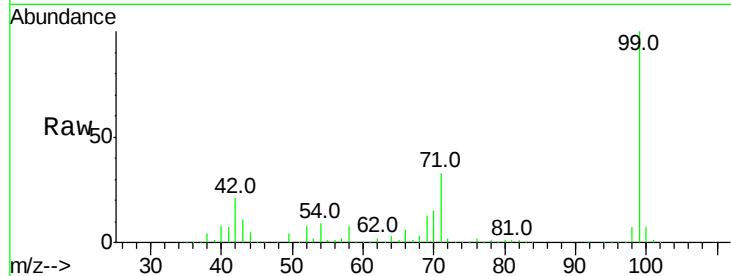
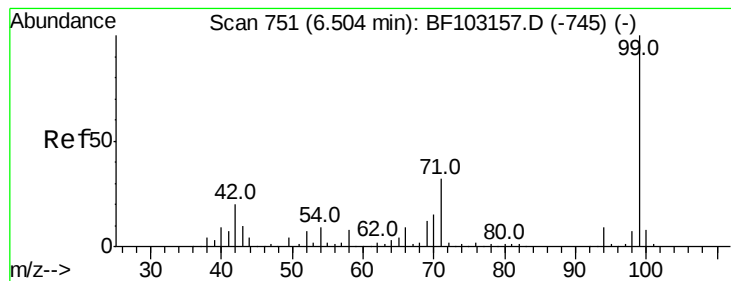
2-Fluorophenol
Concen: 101.638 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Tgt Ion:112 Resp: 1035589
Ion Ratio Lower Upper
112 100
64 68.0 47.9 71.9
63 36.0 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: 101.064 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :

BNA_F

ClientSampleId :

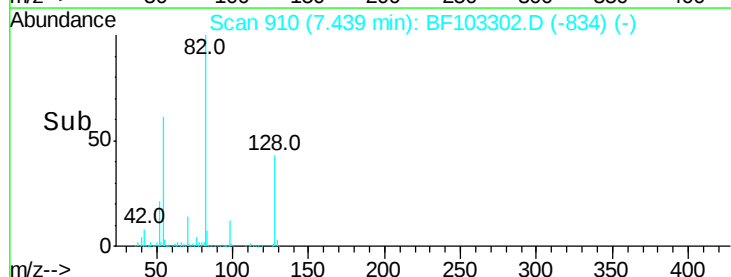
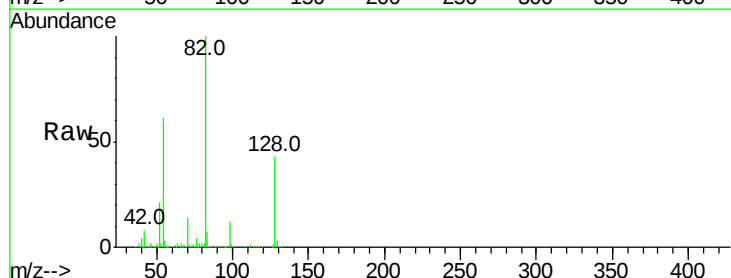
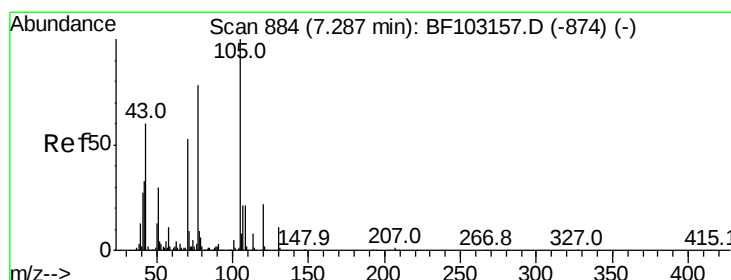
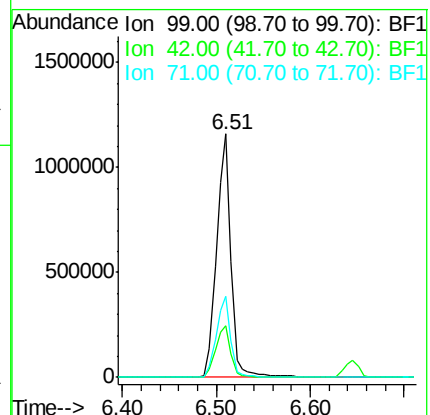
Tot Ion: 99 Resp: 1260048

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.042 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Tgt Ion: 70 Resp: 116718

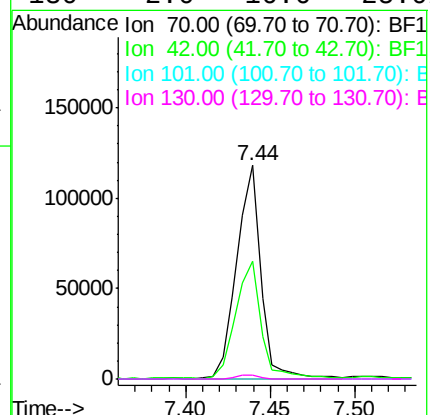
Ion Ratio Lower Upper

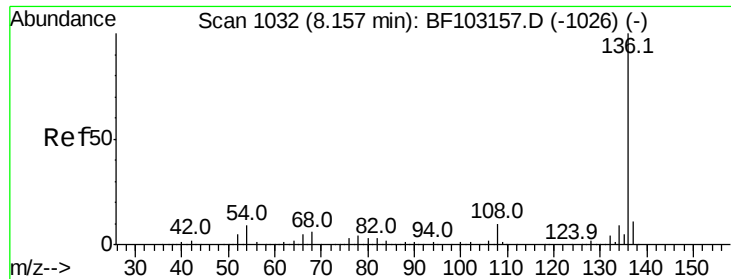
70 100

42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 644117

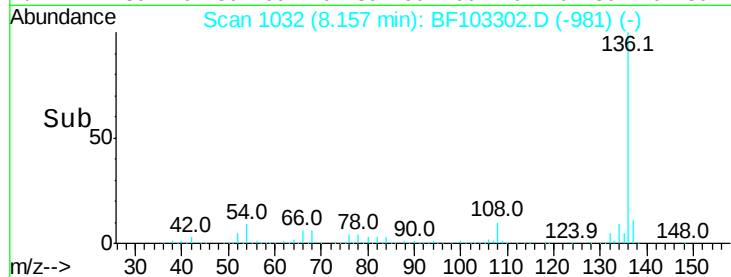
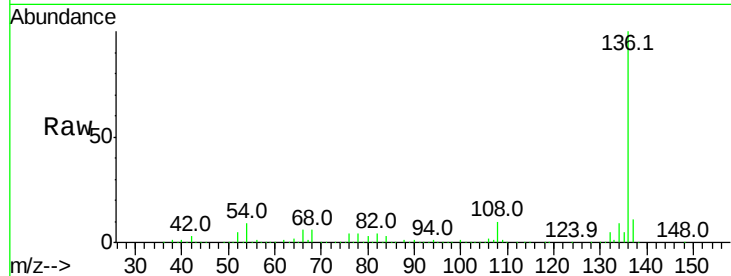
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 6.4 5.0 7.4

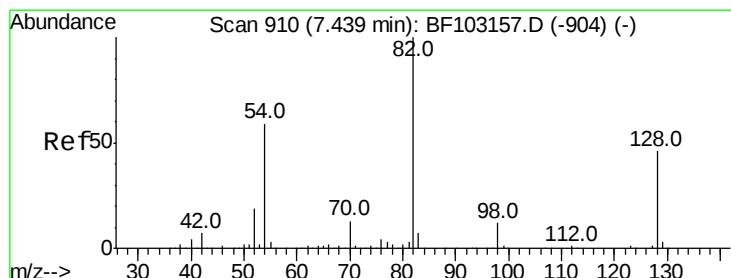
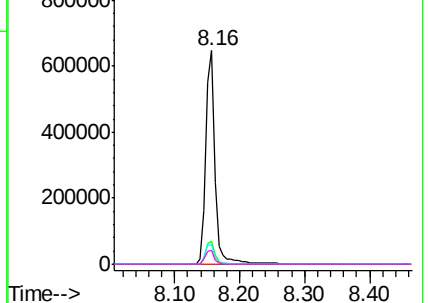


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.866 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

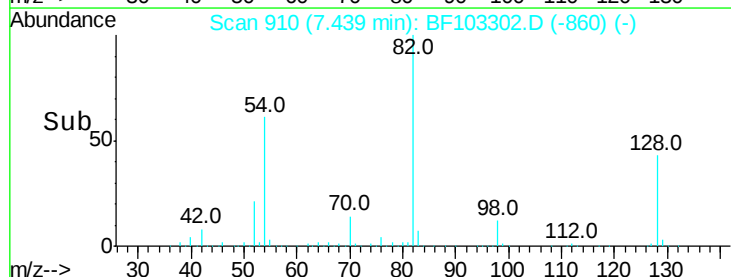
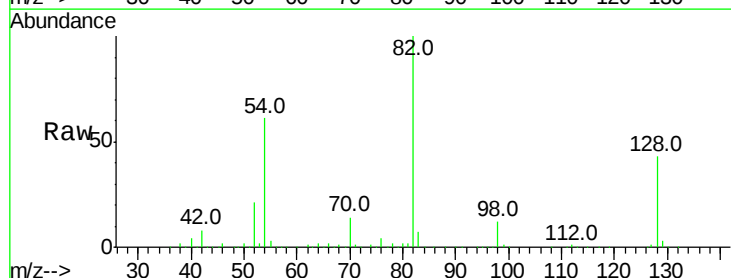
Tgt Ion: 82 Resp: 866963

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

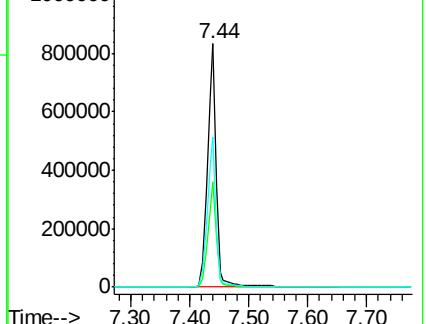
54 61.5 41.4 62.2

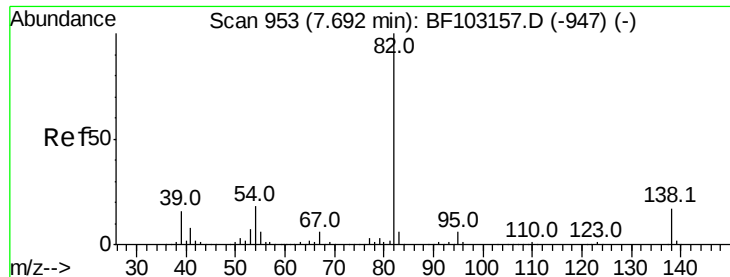


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.749 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :
BNA_F
ClientSampleId :

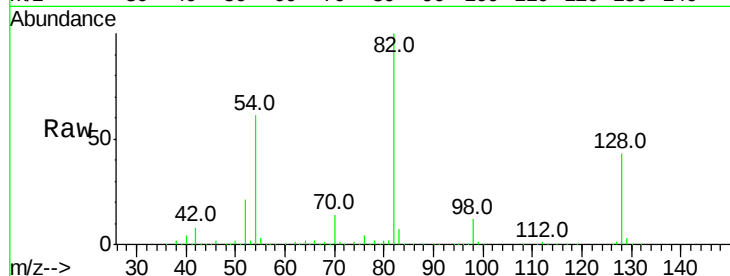
Tot Ion: 82 Resp: 860759

Ion Ratio Lower Upper

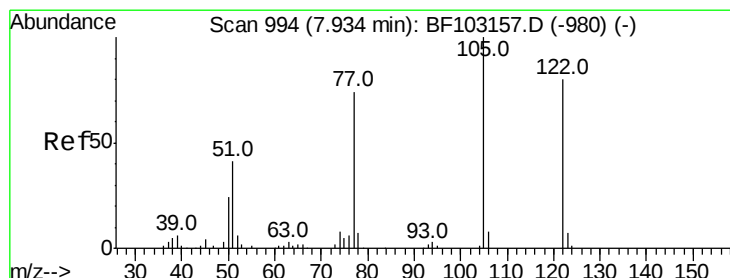
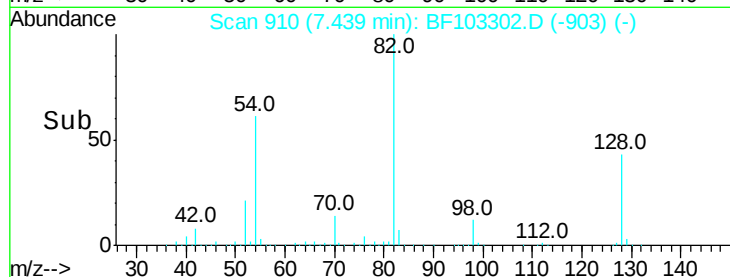
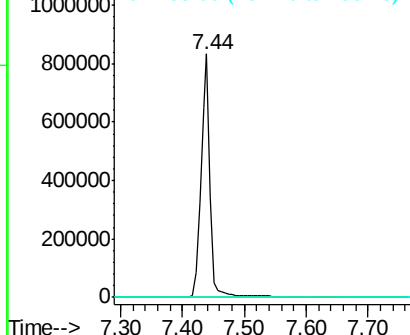
82 100

95 0.1 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



#32

Benzoic acid

Concen: 6.951 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

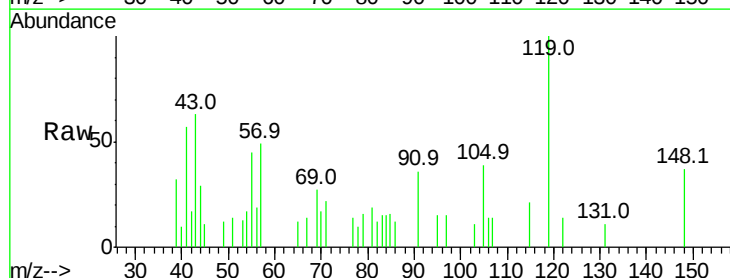
Tgt Ion:122 Resp: 287

Ion Ratio Lower Upper

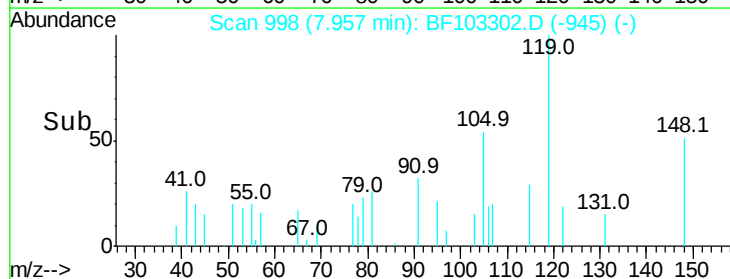
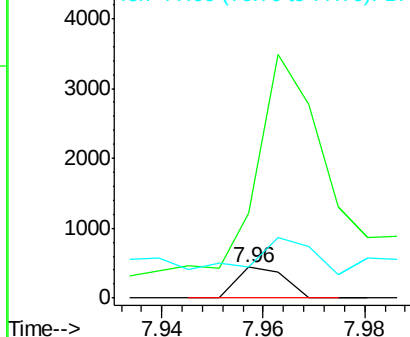
122 100

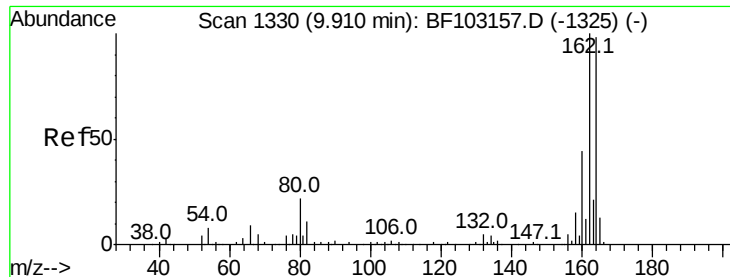
105 275.9 101.1 141.1#

77 101.1 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :

BNA_F

ClientSampleId :

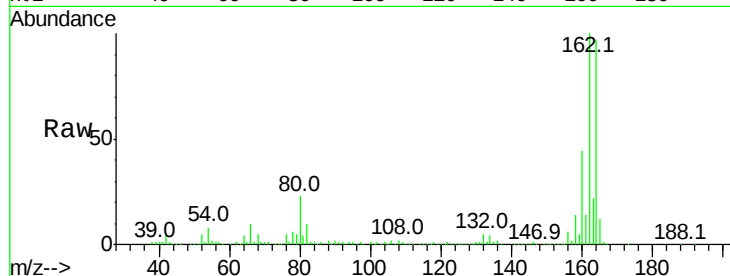
Tot Ion:164 Resp: 274415

Ion Ratio Lower Upper

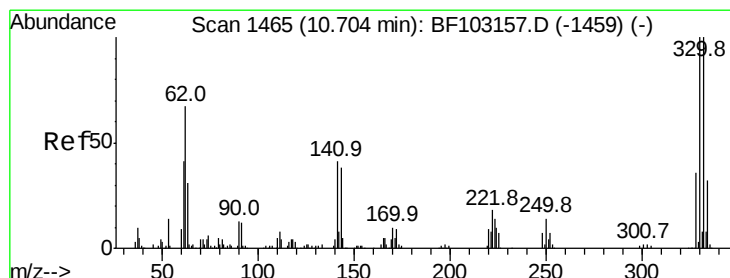
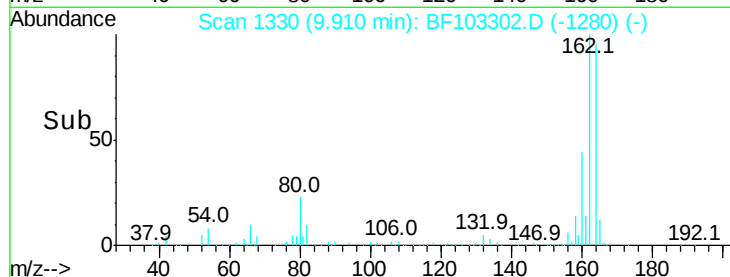
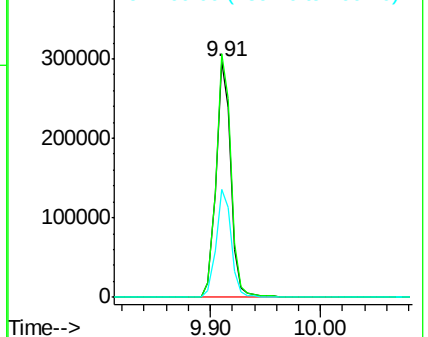
164 100

162 103.4 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: 83.808 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

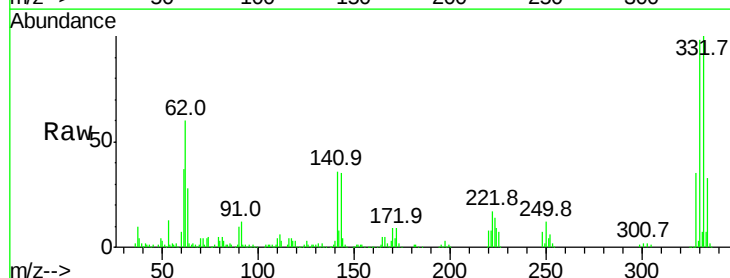
Tgt Ion:330 Resp: 194667

Ion Ratio Lower Upper

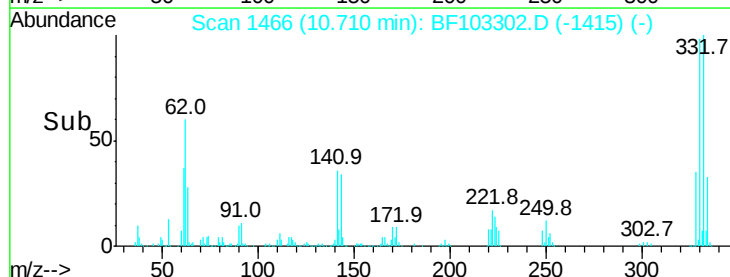
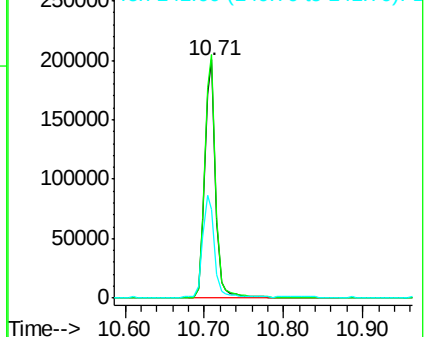
330 100

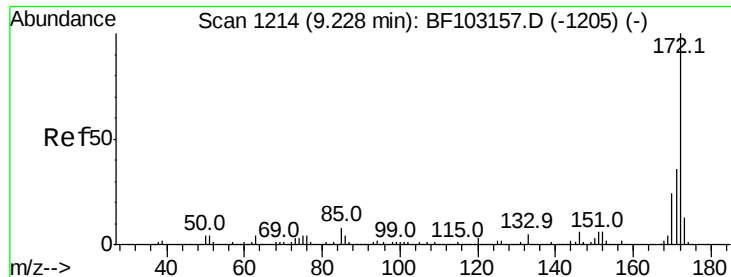
332 103.1 77.0 115.6

141 47.3 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: 67.797 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

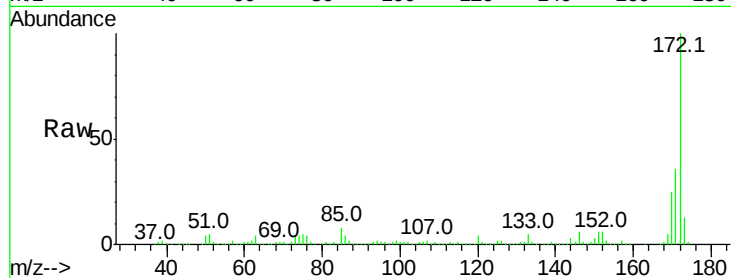
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1134068

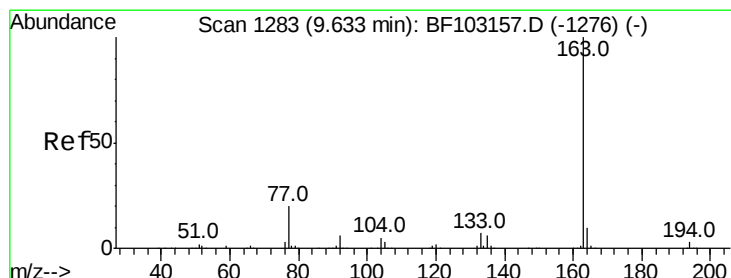
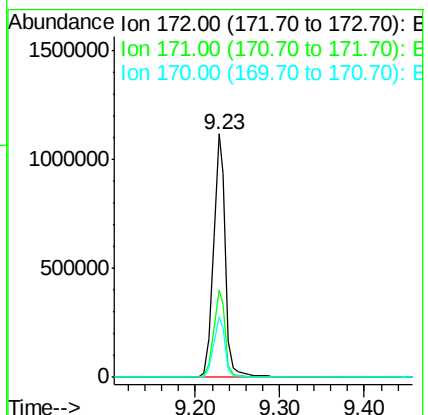
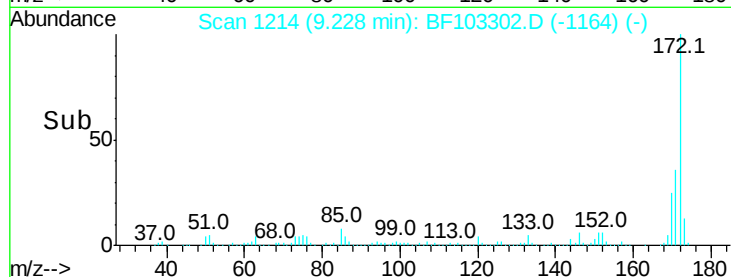
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.9	19.6	29.4



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: 5.175 ng

RT: 9.62 min Scan# 1281

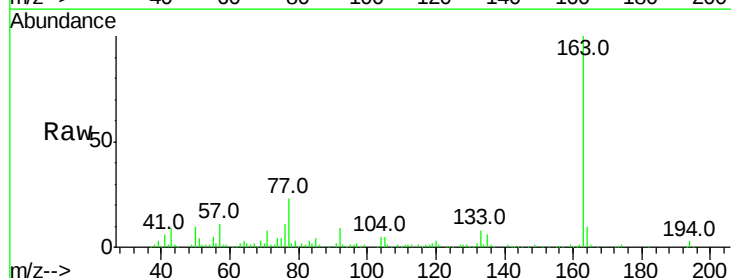
Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Tgt Ion:163 Resp: 113925

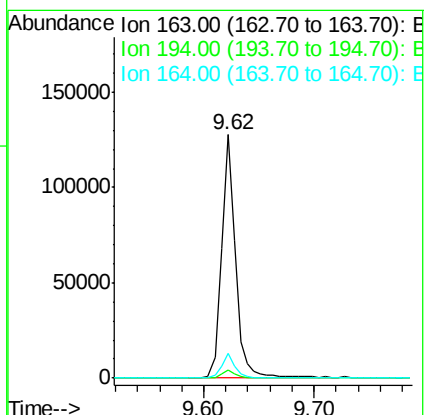
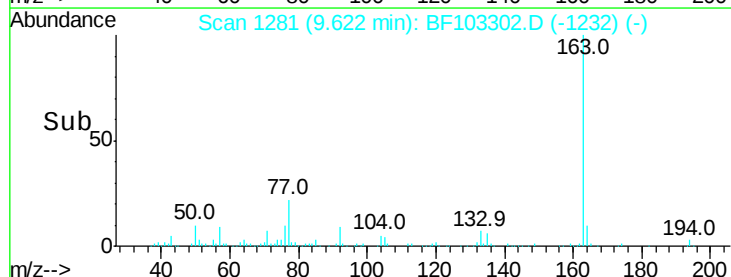
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2

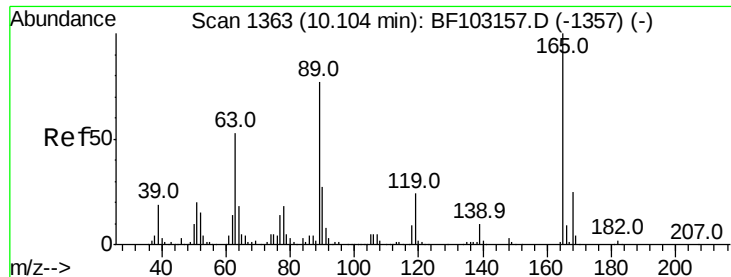


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

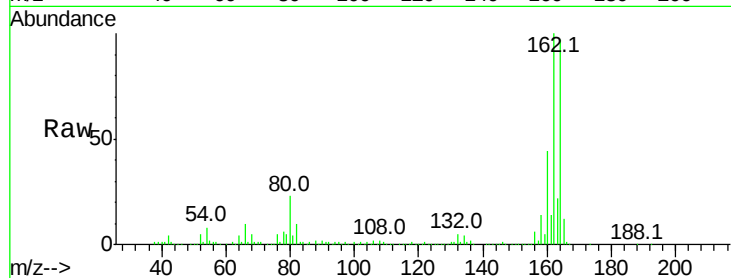




#56
 2,4-Dinitrotoluene
 Concen: 6.325 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103302.D
 Acq: 28 Feb 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

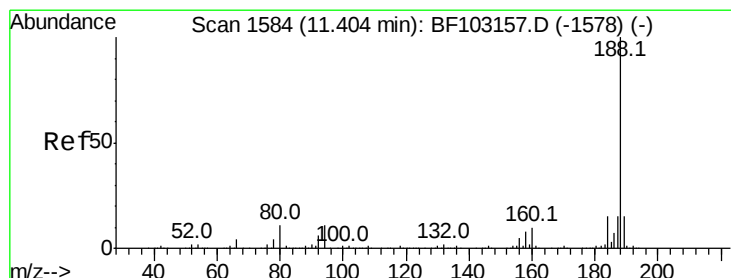
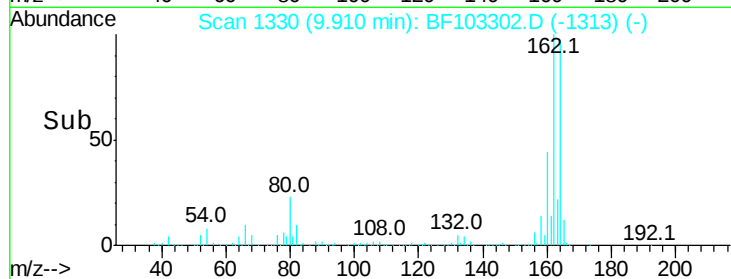
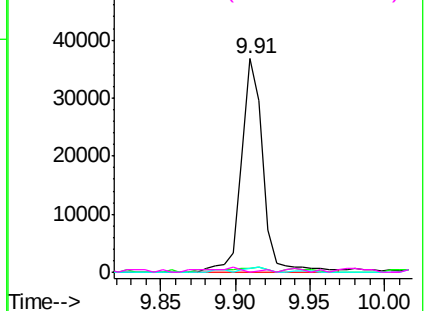


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

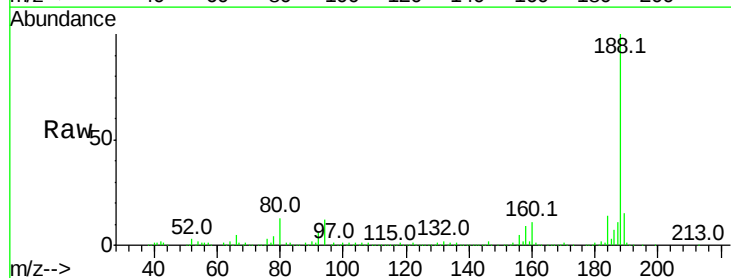
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103302.D
 Acq: 28 Feb 2018 19:24

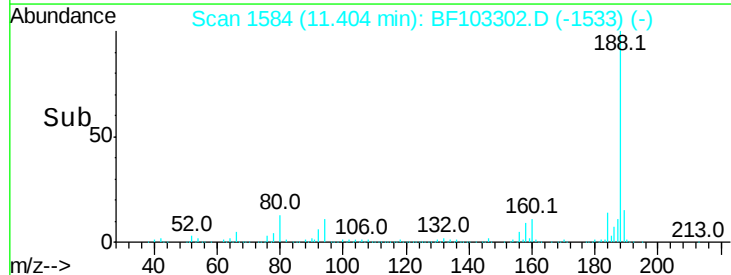
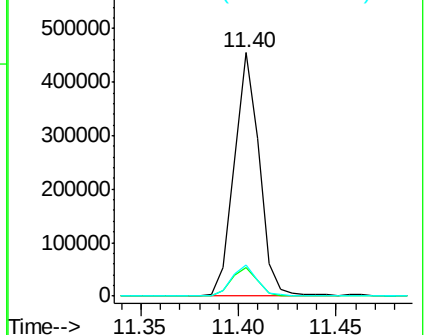
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.7	9.2	13.8

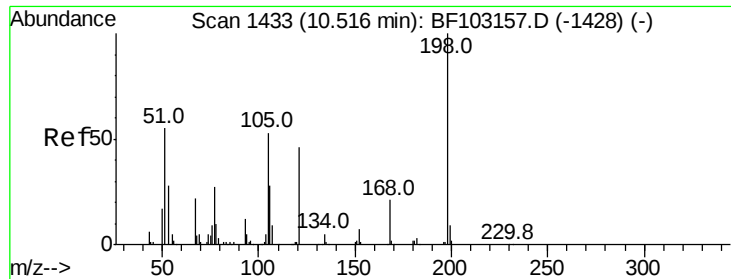


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

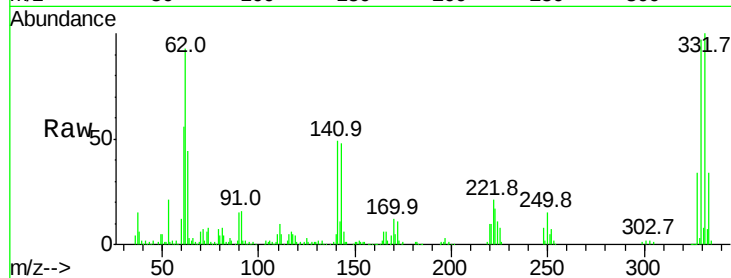




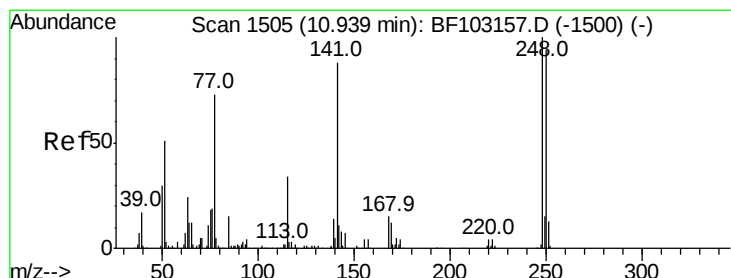
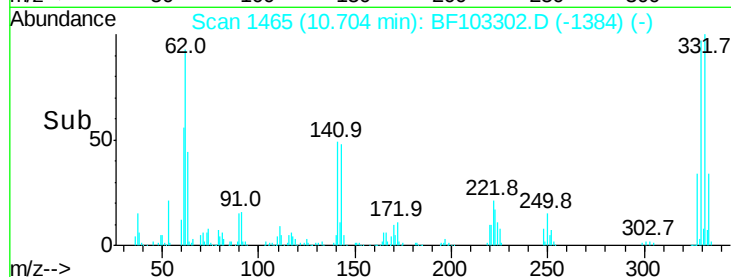
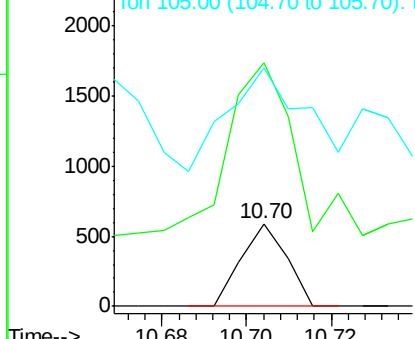
#64
4,6-Dinitro-2-methylphenol
Concen: 5.104 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 439
Ion Ratio Lower Upper
198 100
51 294.6 37.7 77.7#
105 288.3 36.3 76.3#

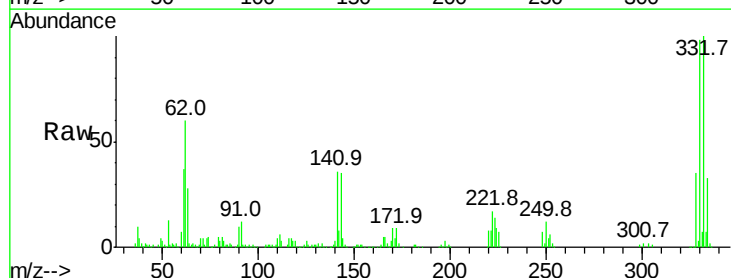


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

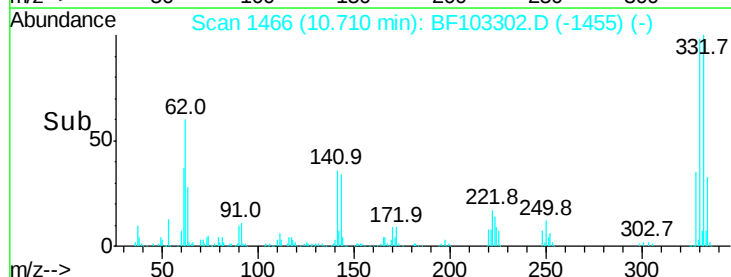
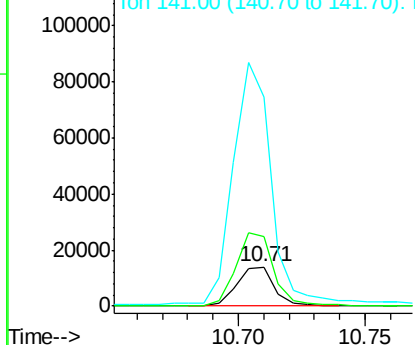


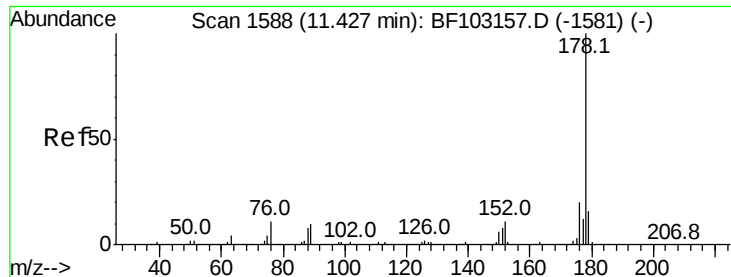
#66
4-Bromophenyl-phenylether
Concen: 3.332 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Tgt Ion:248 Resp: 14141
Ion Ratio Lower Upper
248 100
250 178.7 76.9 115.3#
141 535.3 74.4 111.6#



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





#70

Phenanthrene

Concen: 4.254 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

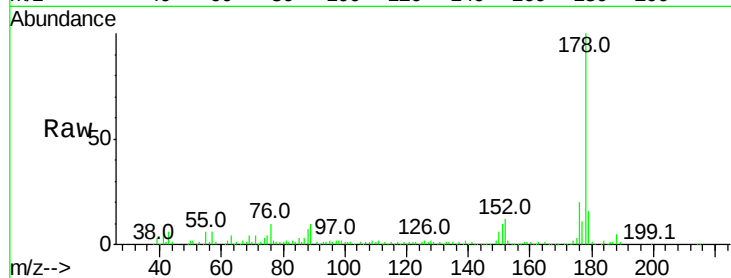
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 95371

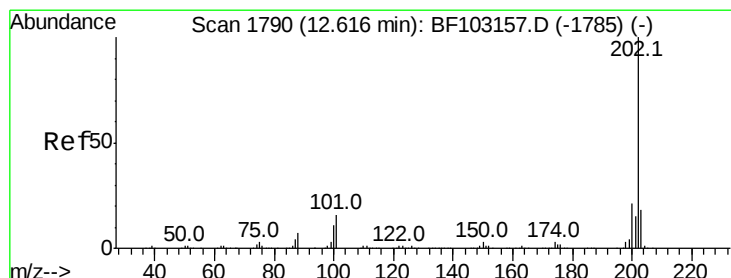
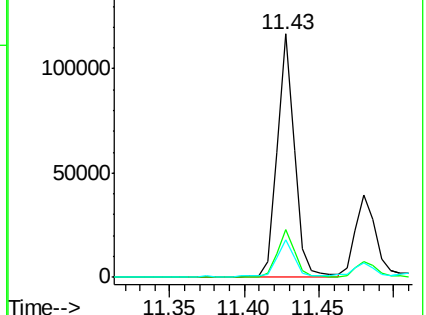
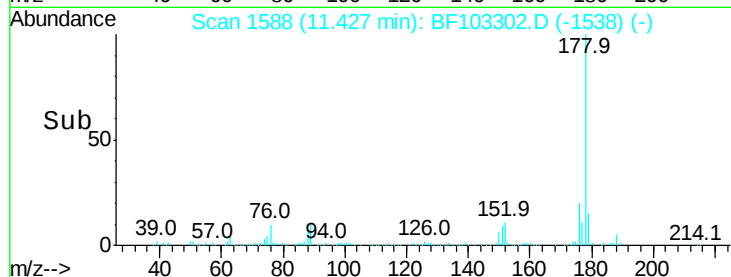
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6



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: 15.113 ng

RT: 12.62 min Scan# 1791

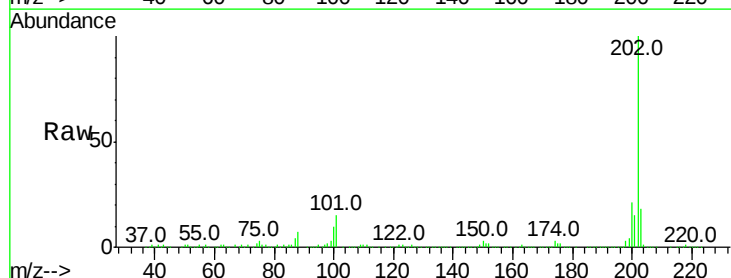
Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Tgt Ion:202 Resp: 340480

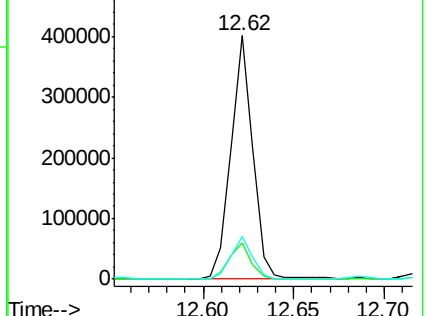
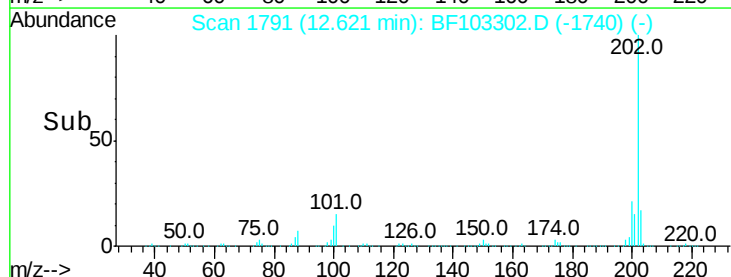
Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.6	0.0	38.1

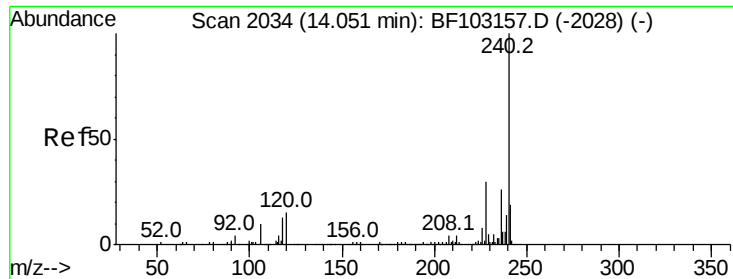


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :

BNA_F

ClientSampleId :

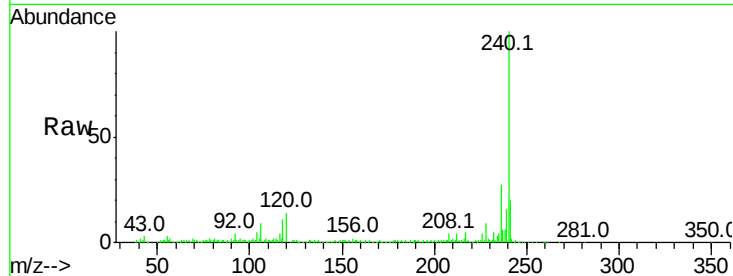
Tot Ion:240 Resp: 257658

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

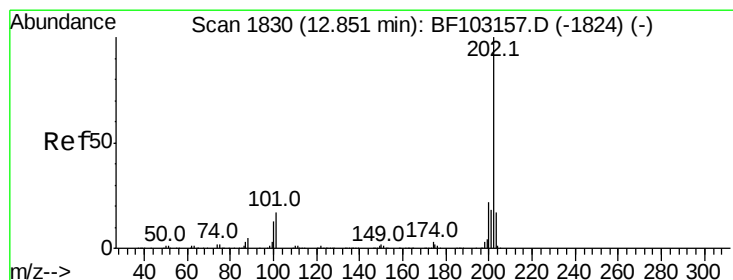
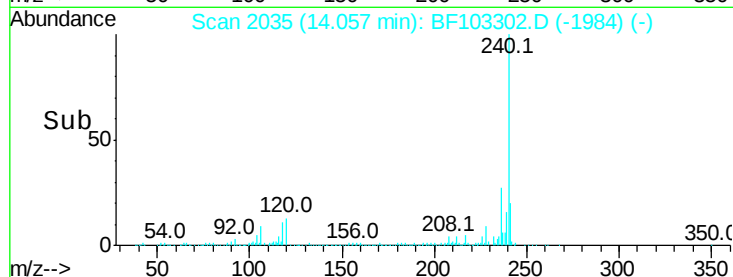
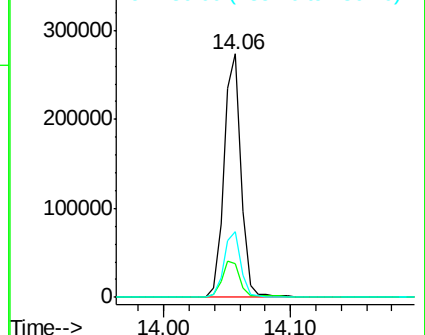
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.536 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

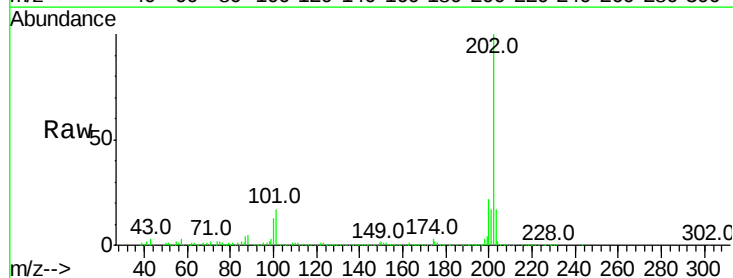
Tgt Ion:202 Resp: 312095

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

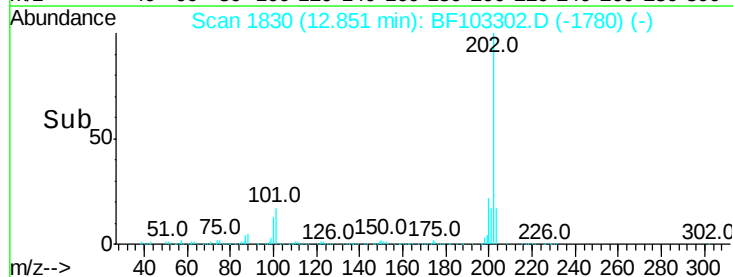
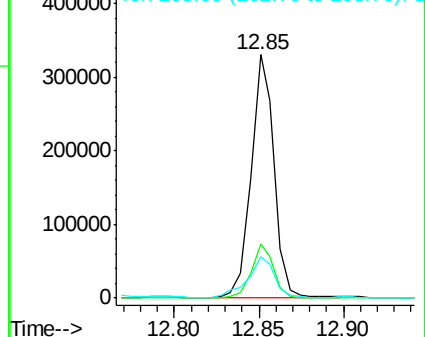
203 17.2 14.3 21.5

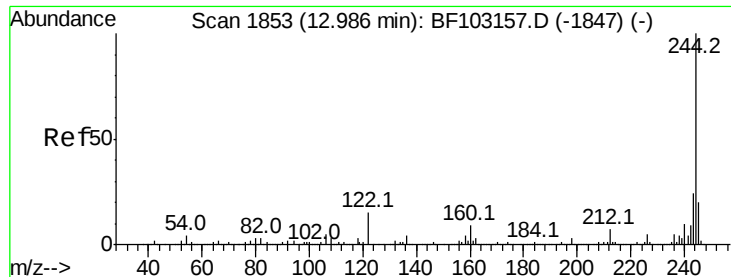


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.727 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

Instrument :

BNA_F

ClientSampleId :

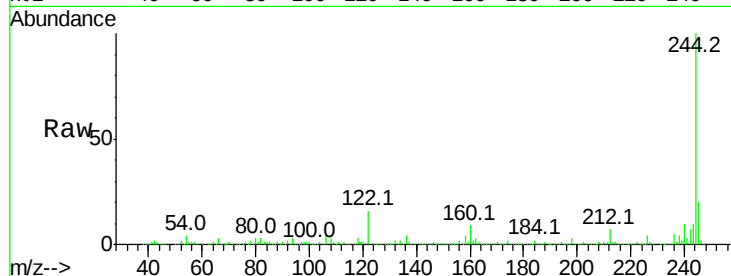
Tot Ion:244 Resp: 704497

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

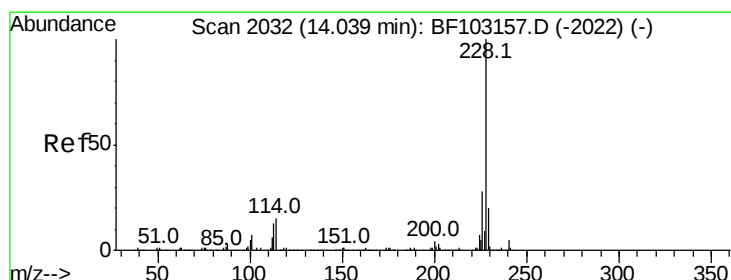
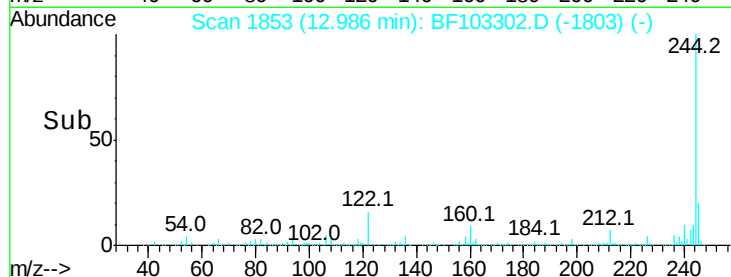
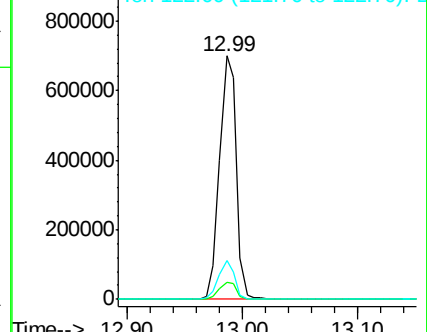
122 15.7 11.0 16.4



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: 9.256 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103302.D

Acq: 28 Feb 2018 19:24

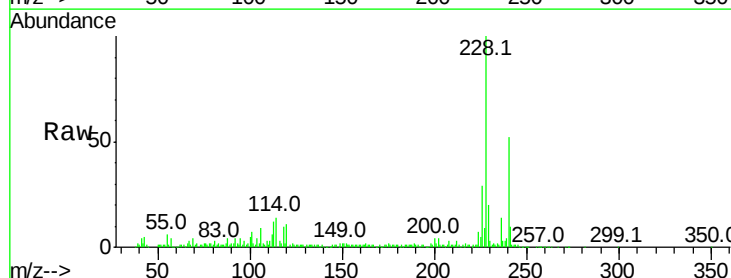
Tgt Ion:228 Resp: 154736

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

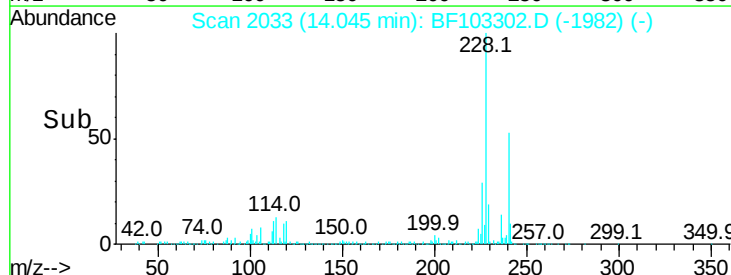
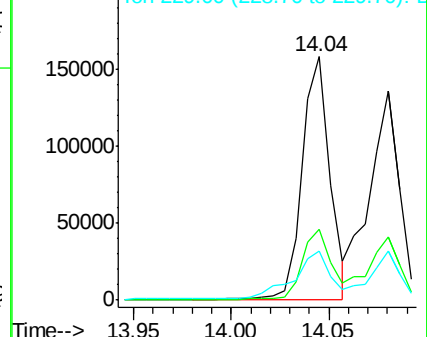
229 20.3 15.8 23.6

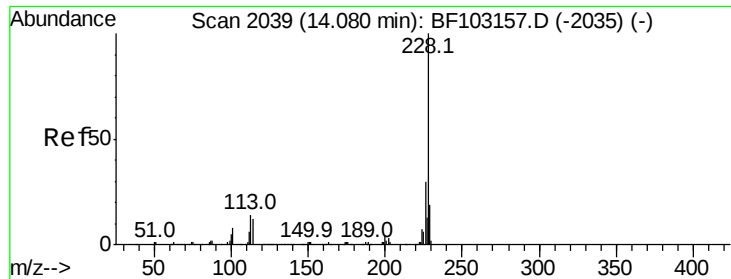


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

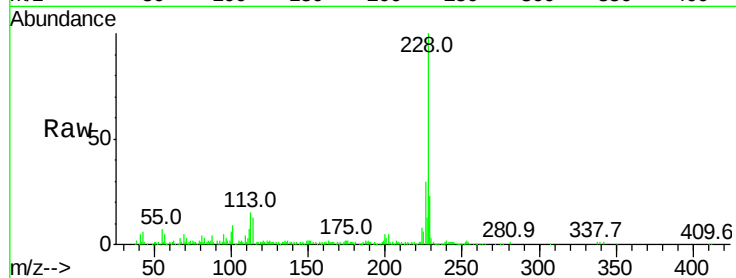




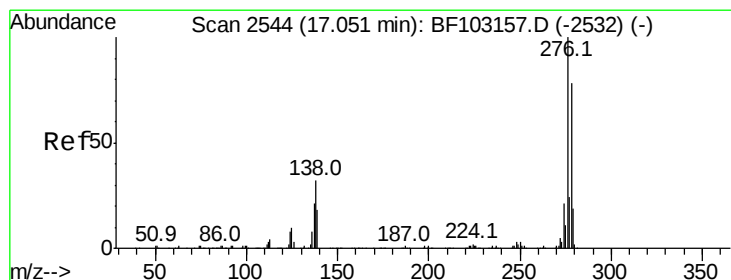
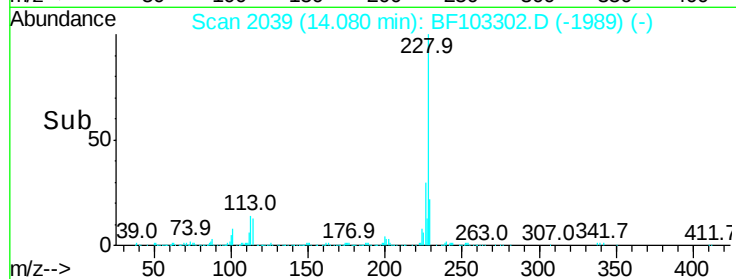
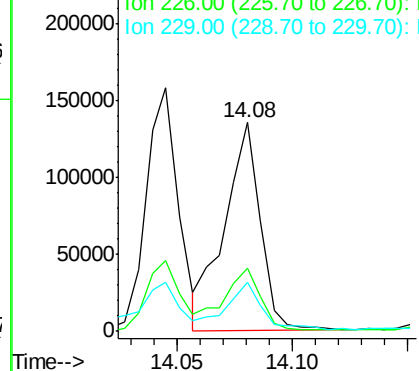
#82
Chrysene
Concen: 9.035 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 146664
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.3 16.2 24.4

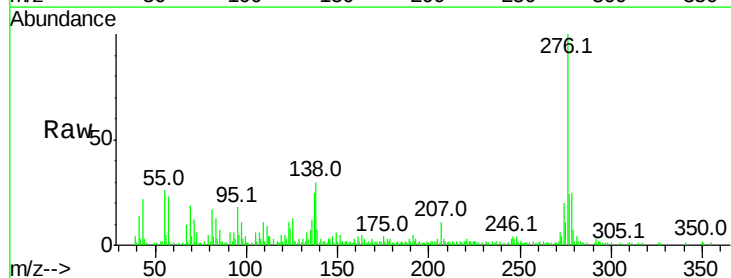


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

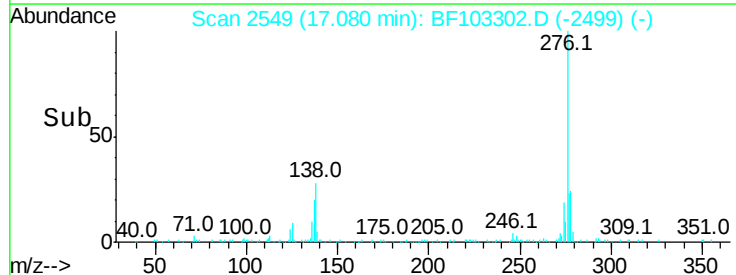
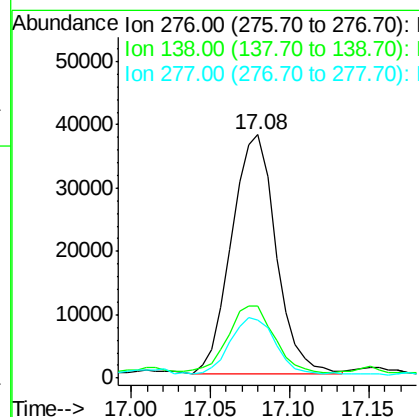


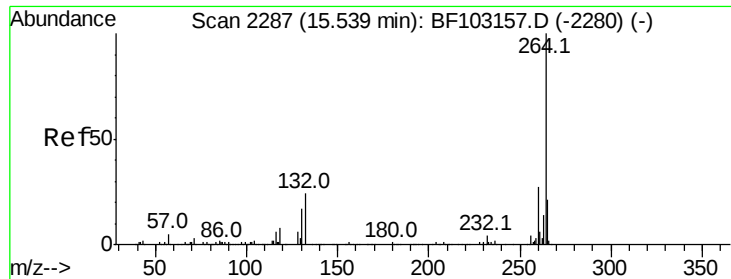
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.697 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Tgt Ion:276 Resp: 73208
Ion Ratio Lower Upper
276 100
138 30.0 25.0 37.6
277 24.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

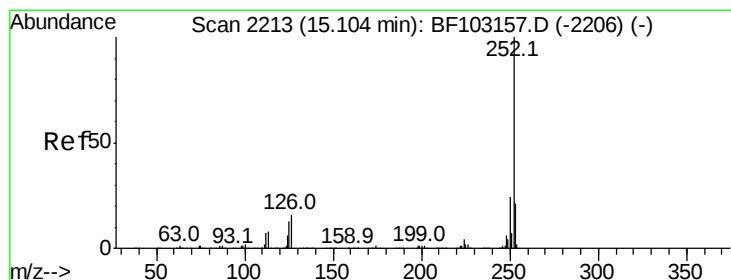
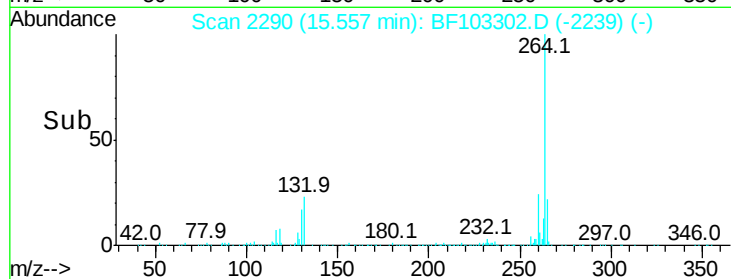
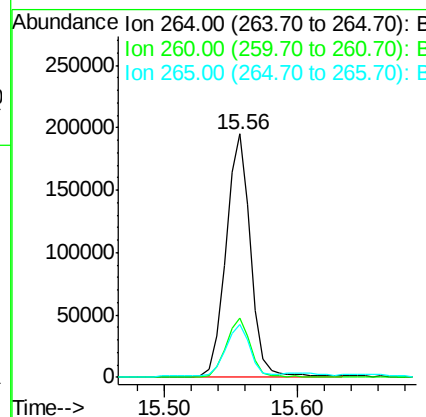
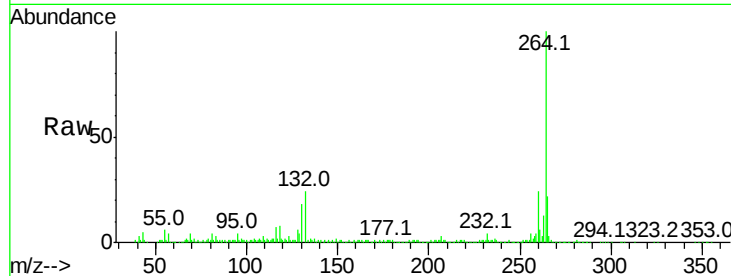




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BF103302.D
 Acq: 28 Feb 2018 19:24

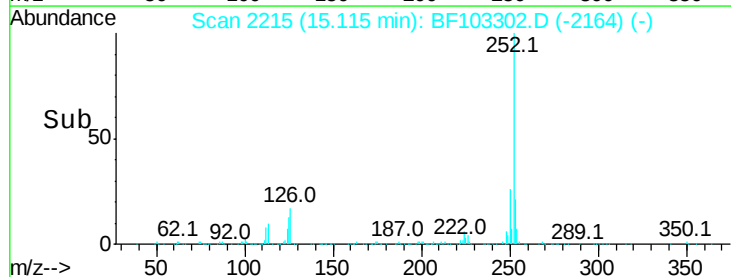
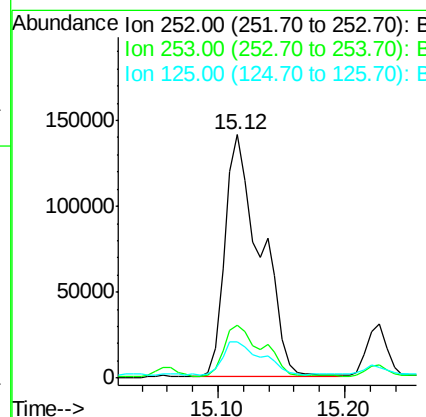
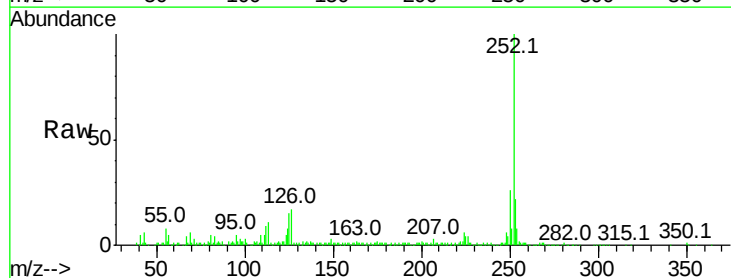
Instrument :
 BNA_F
 ClientSampleId :

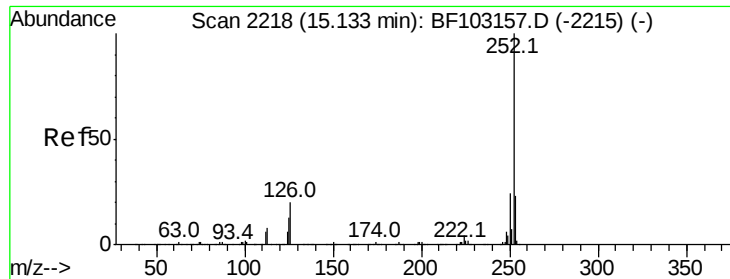
Tot Ion:264 Resp: 254018
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.9 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 16.496 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BF103302.D
 Acq: 28 Feb 2018 19:24

Tgt Ion:252 Resp: 275499
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.0 25.6
 125 14.7 9.0 13.6#

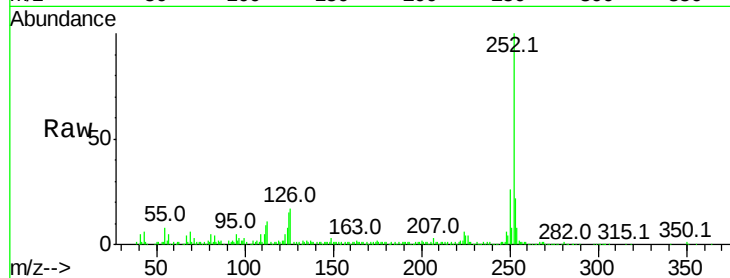




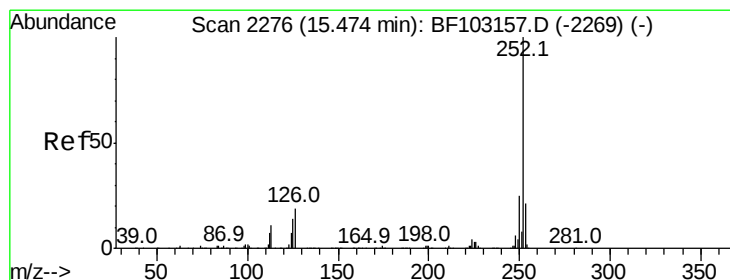
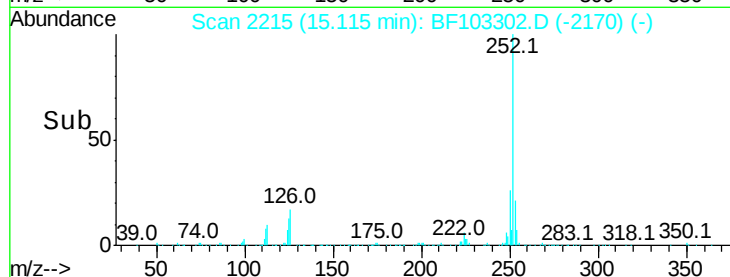
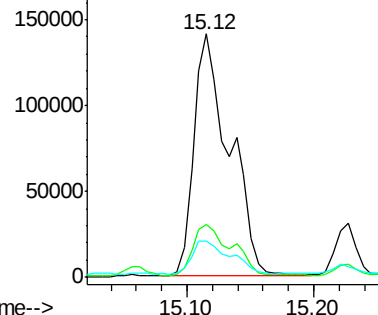
#88
Benzo(k)fluoranthene
Concen: 17.517 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	14.7	10.2	15.2

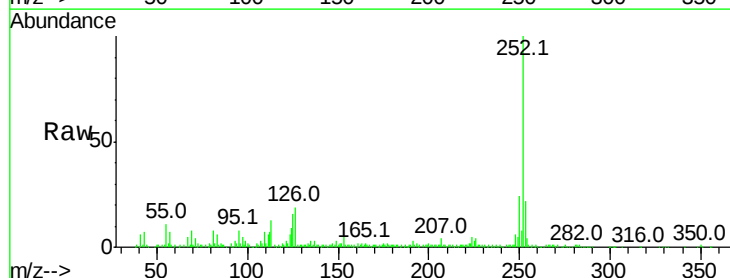


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

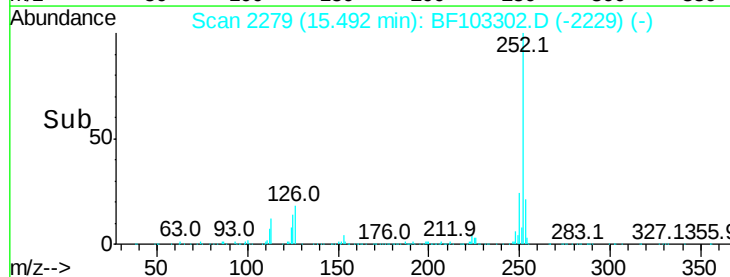
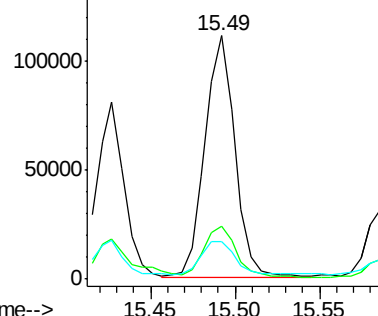


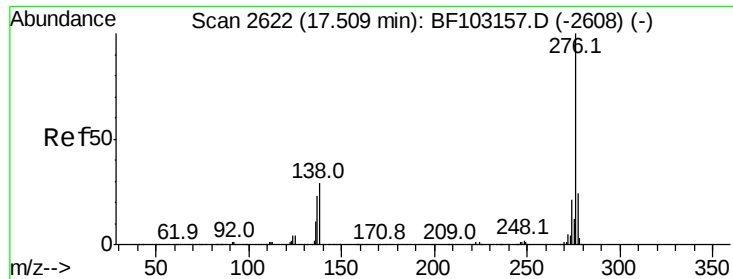
#89
Benzo(a)pyrene
Concen: 9.267 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103302.D
Acq: 28 Feb 2018 19:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	15.6	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 5.879 ng
 RT: 17.54 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: BF103302.D
 Acq: 28 Feb 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	30.4	21.8	32.8

