

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103215.D
 Acq On : 26 Feb 2018 13:40
 Operator : SJ/JU
 Sample : J1652-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 14:16:02 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	171529	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	683617	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	266622	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	371695	20.00	ng	0.00
75) Chrysene-d12	14.04	240	292921	20.00	ng	0.00
86) Perylene-d12	15.54	264	322817	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1412821	124.57	ng	0.01
7) Phenol-d6	6.51	99	1640209	118.19	ng	0.00
23) Nitrobenzene-d5	7.44	82	1087833	90.88	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	248271	110.01	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1514991	102.85	ng	0.00
78) Terphenyl-d14	12.98	244	994858	81.64	ng	0.00

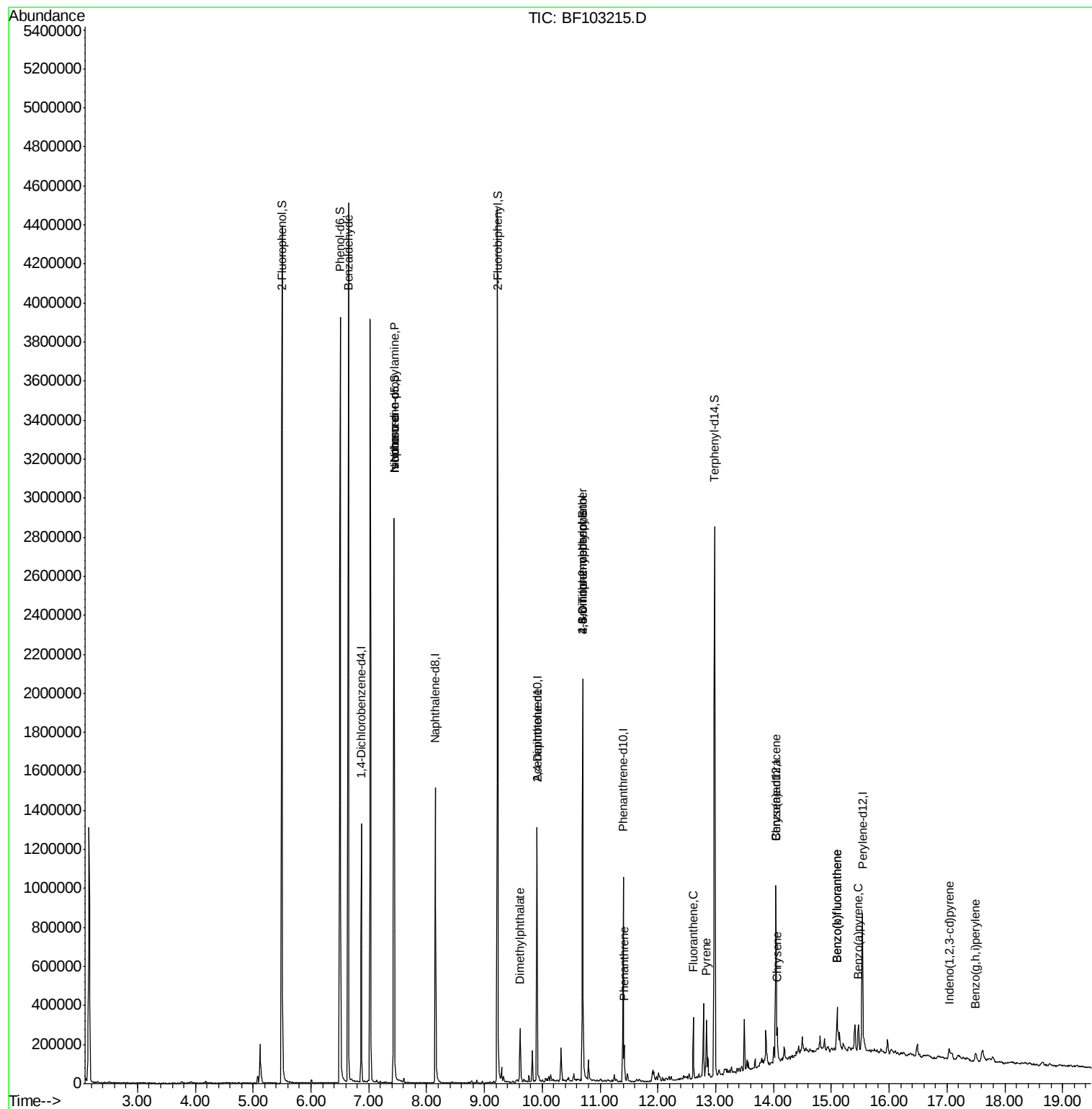
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	28522	2.184	ng	84
19) n-Nitroso-di-n-propylamine	7.44	70	144174	16.693	ng	# 80
25) Isophorone	7.44	82	1087825	46.141	ng	# 64
49) Dimethylphthalate	9.62	163	104501	4.886	ng	99
56) 2,4-Dinitrotoluene	9.91	165	33763	5.948	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	459	5.127	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16799	4.339	ng	# 1
70) Phenanthrene	11.42	178	57666	2.819	ng	99
74) Fluoranthene	12.61	202	114547	5.573	ng	98
77) Pyrene	12.84	202	111099	4.865	ng	99
80) Benzo(a)anthracene	14.03	228	58874	3.098	ng	97
82) Chrysene	14.07	228	66640	3.611	ng	96
85) Indeno(1,2,3-cd)pyrene	17.04	276	33327	2.281	ng	# 88
87) Benzo(b)fluoranthene	15.10	252	146255	6.891	ng	# 91
88) Benzo(k)fluoranthene	15.10	252	146255	7.318	ng	# 94
89) Benzo(a)pyrene	15.47	252	63832	3.368	ng	# 92
91) Benzo(a,h,i)perylene	17.50	276	31634	2.210	ng	94

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

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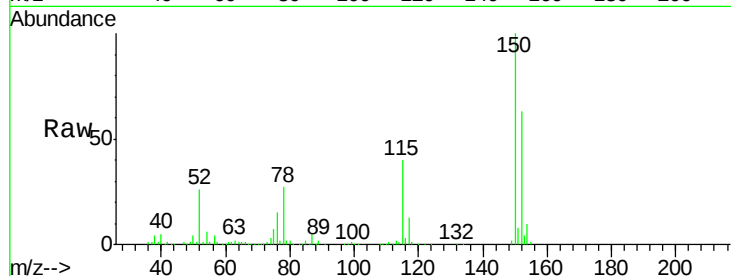


#1

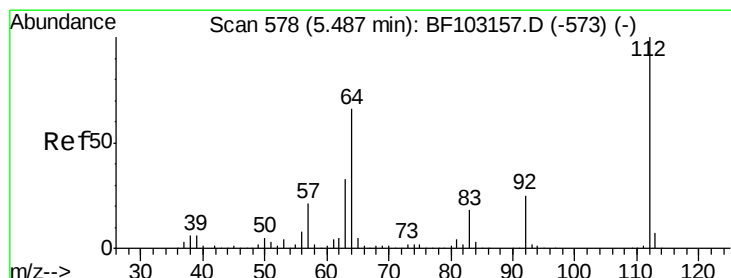
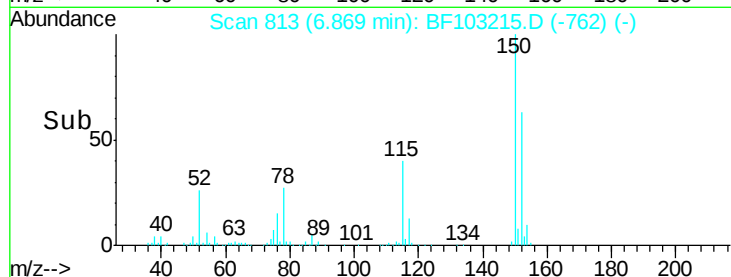
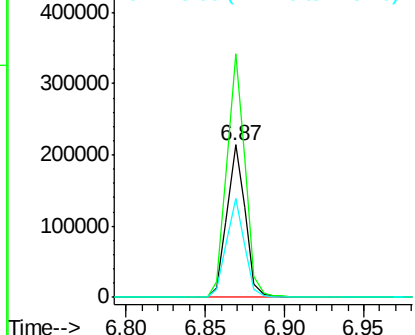
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171529
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 64.6 50.1 75.1



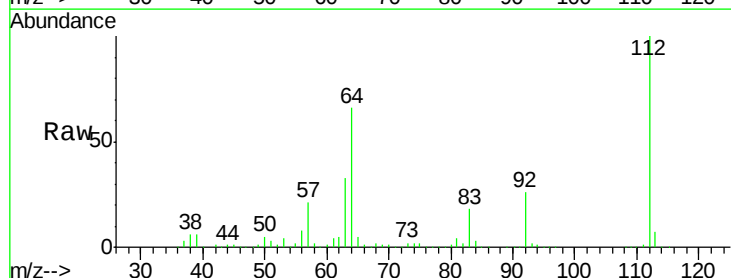
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



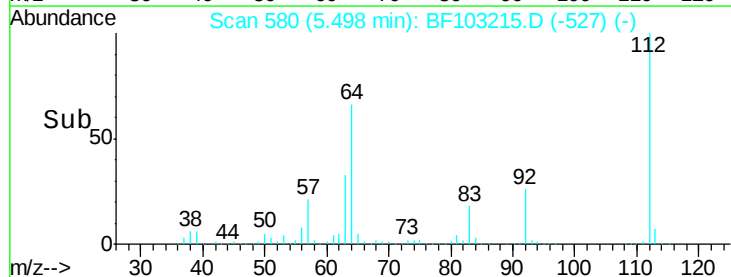
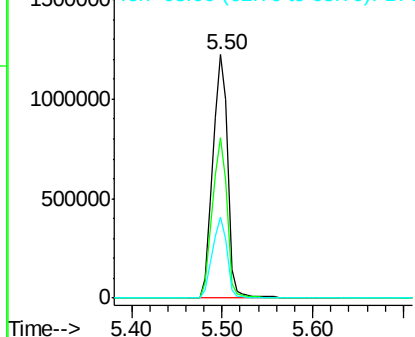
#5

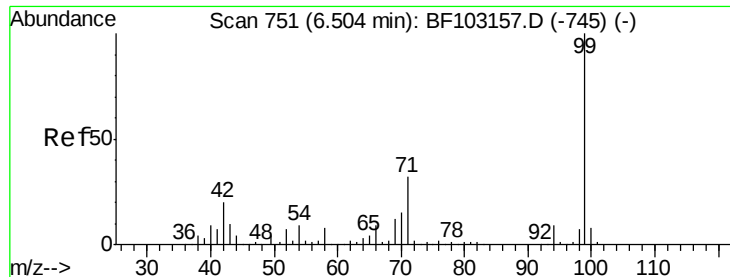
2-Fluorophenol
Concen: 124.573 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion:112 Resp: 1412821
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 33.5 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: 118.190 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

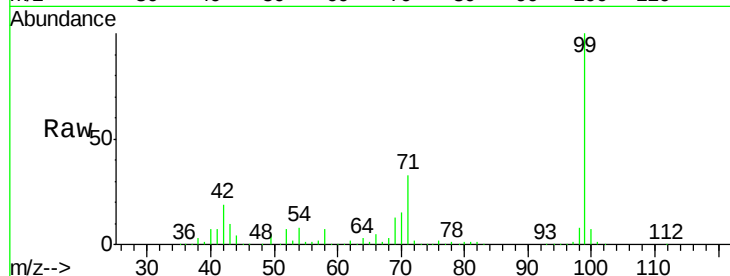
Tot Ion: 99 Resp: 1640209

Ion Ratio Lower Upper

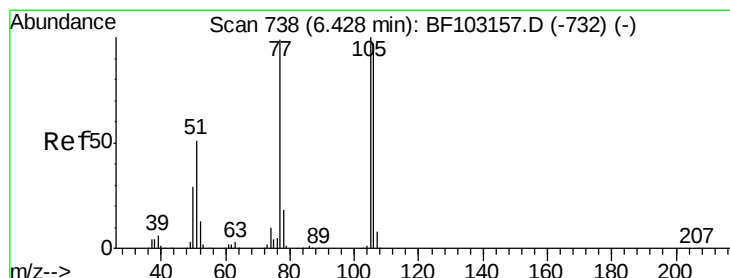
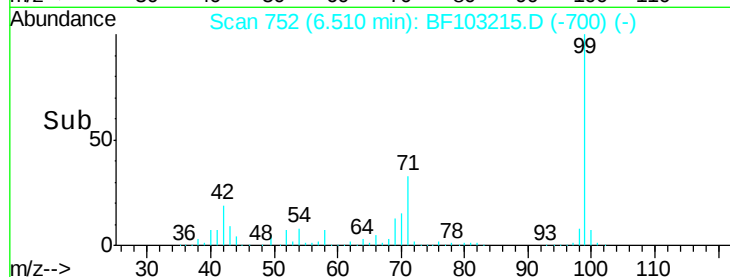
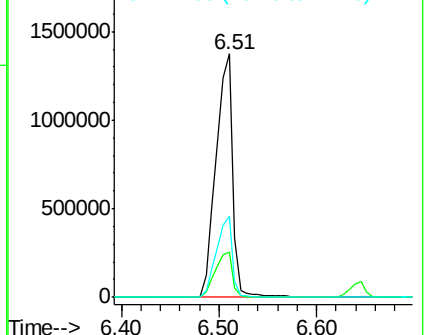
99 100

42 18.6 14.5 21.7

71 33.2 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



#9

Benzaldehyde

Concen: 2.184 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.22 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

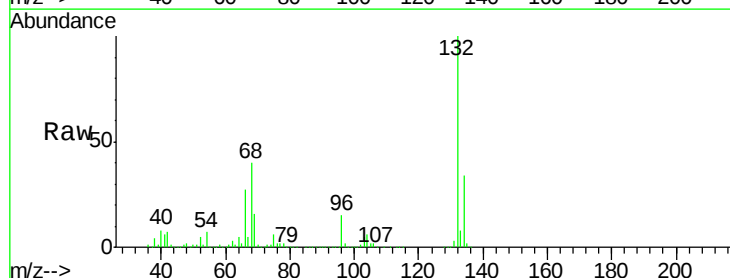
Tgt Ion: 77 Resp: 28522

Ion Ratio Lower Upper

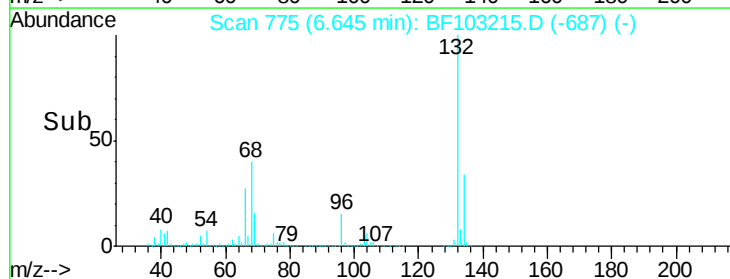
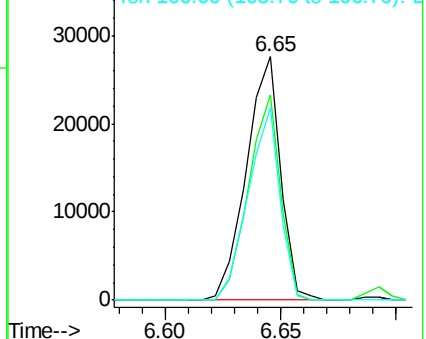
77 100

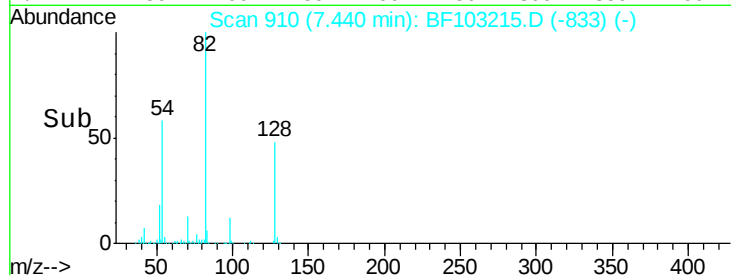
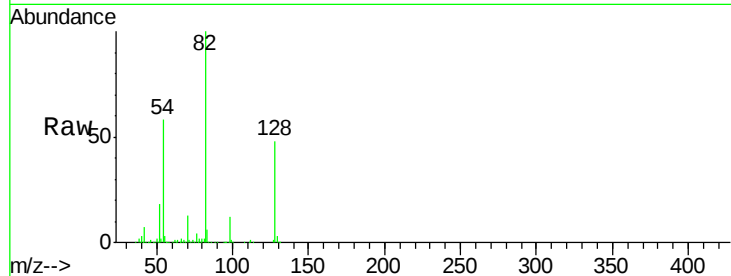
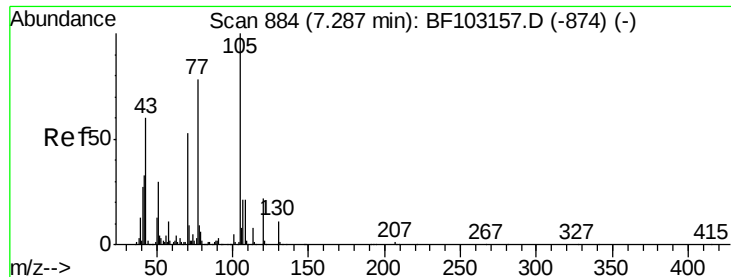
105 84.0 81.1 121.1

106 79.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

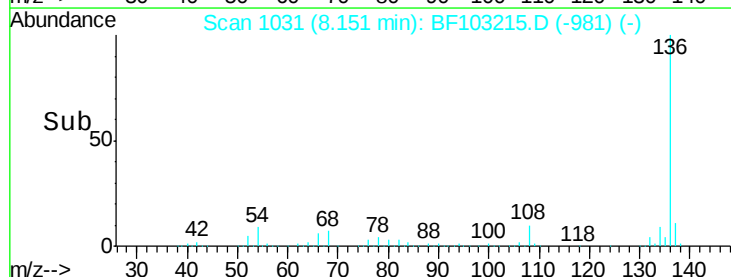
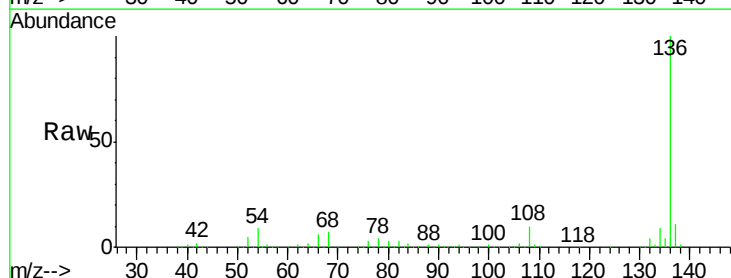
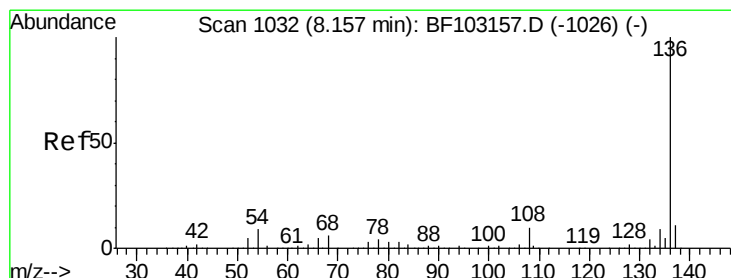
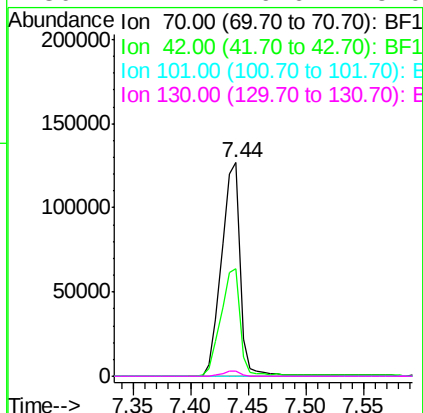




#19
n-Nitroso-di-n-propylamine
Concen: 16.693 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

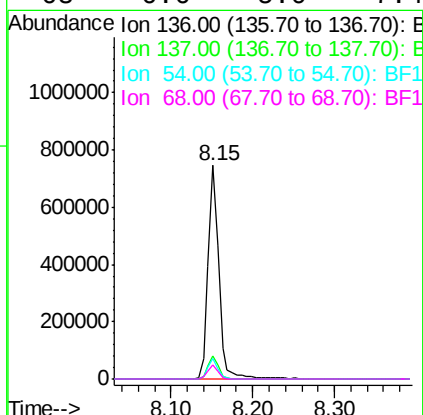
Instrument :
BNA_F
ClientSampleId :

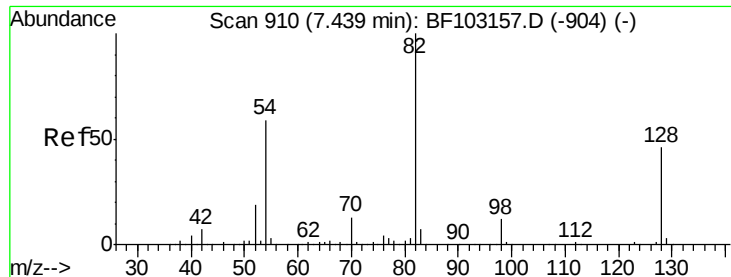
Tot Ion: 70 Resp: 144174
Ion Ratio Lower Upper
70 100
42 50.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion: 136 Resp: 683617
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.4 6.6 9.8
68 6.6 5.0 7.4

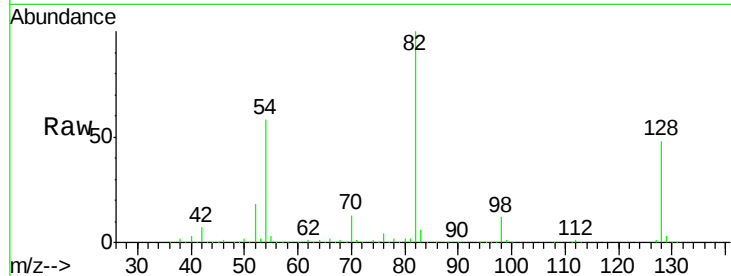




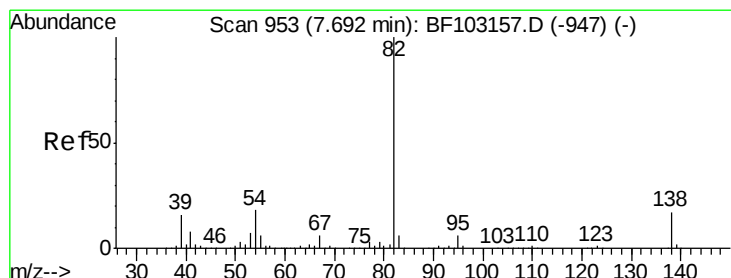
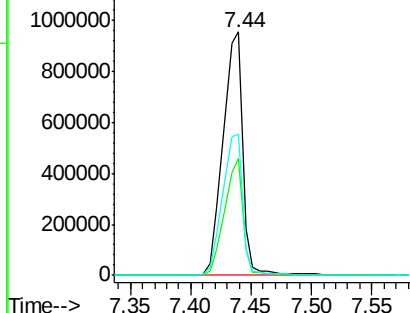
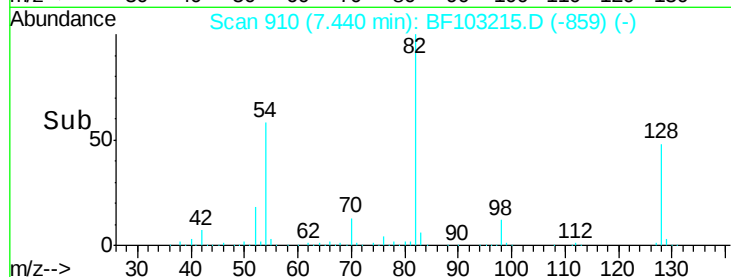
#23
Nitrobenzene-d5
Concen: 90.876 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1087833
Ion Ratio Lower Upper
82 100
128 47.8 36.1 54.1
54 58.2 41.4 62.2

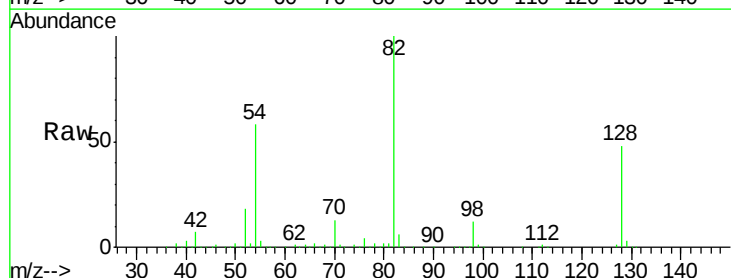


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

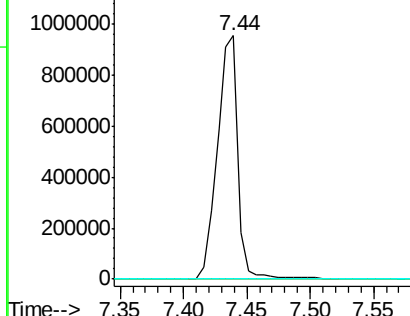
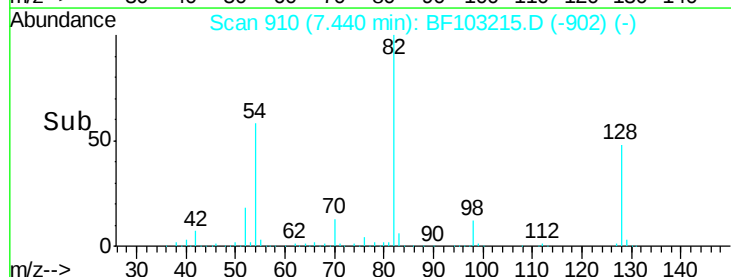


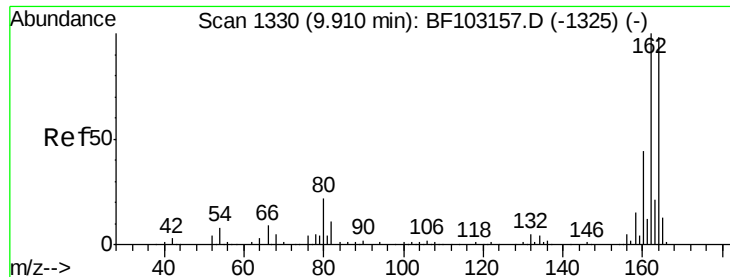
#25
Isophorone
Concen: 46.141 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.25 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion: 82 Resp: 1087825
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

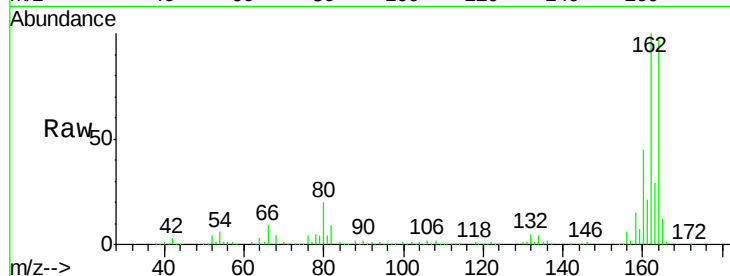
Tot Ion:164 Resp: 266622

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

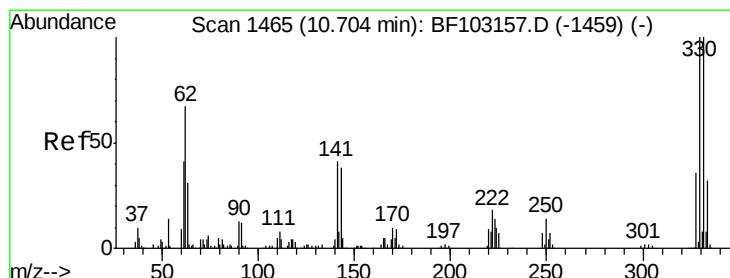
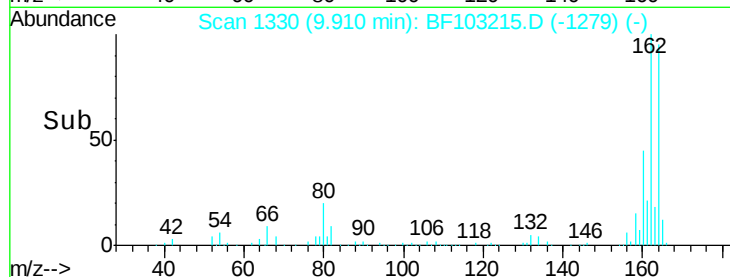
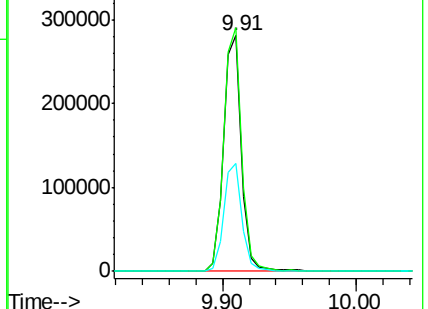
160 46.1 38.3 57.5



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: 110.010 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

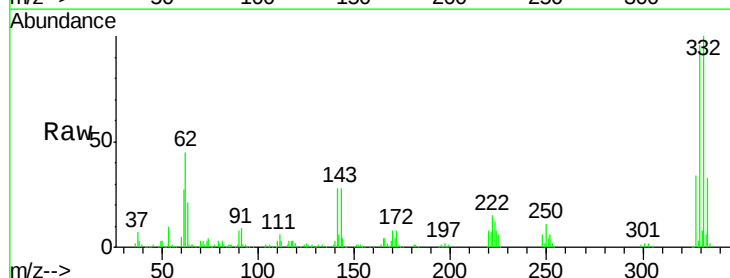
Tgt Ion:330 Resp: 248271

Ion Ratio Lower Upper

330 100

332 104.3 77.0 115.6

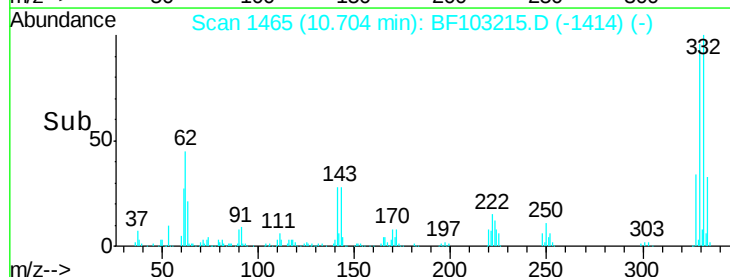
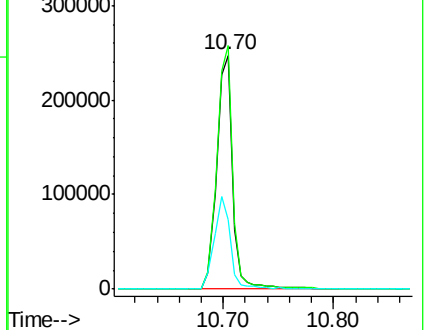
141 40.2 29.9 44.9

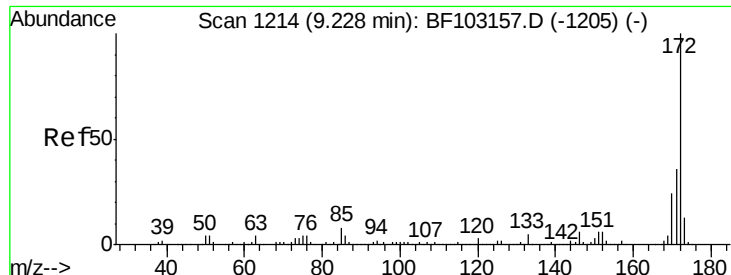


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

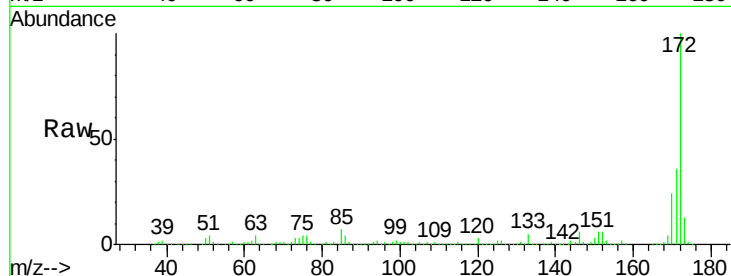




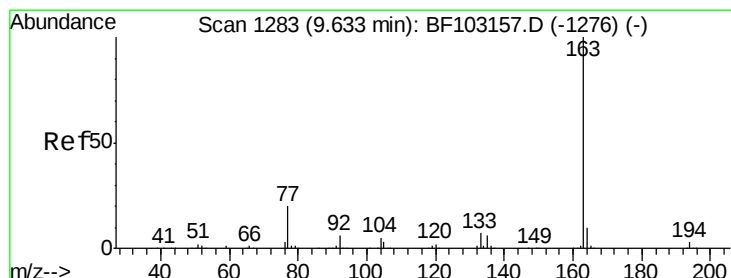
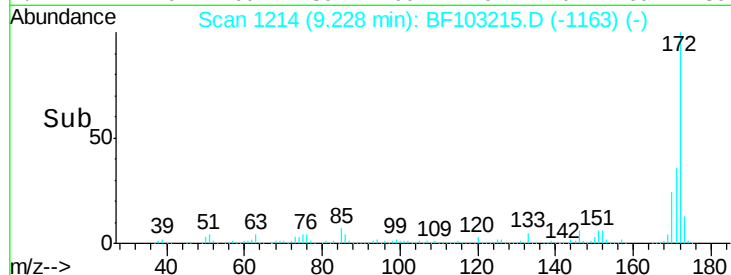
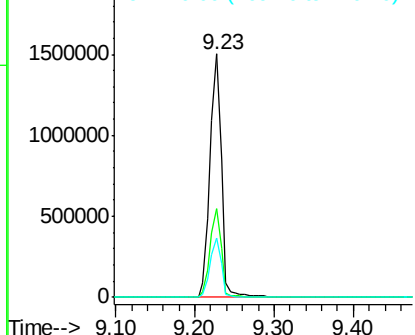
#44
2-Fluorobiphenyl
Concen: 102.847 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1514991
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.2 19.6 29.4

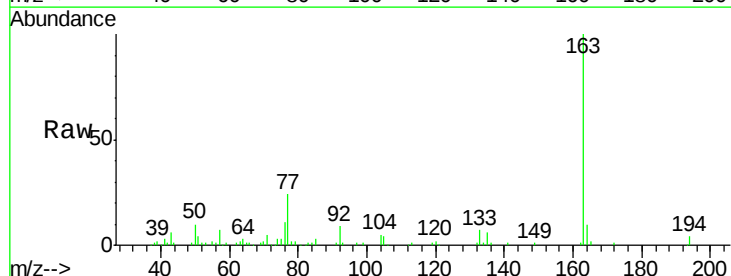


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

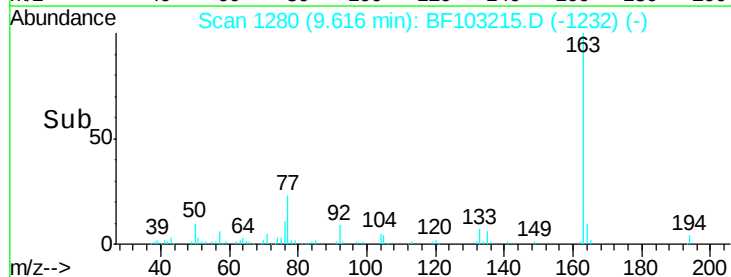
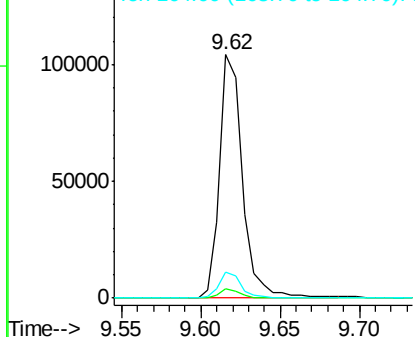


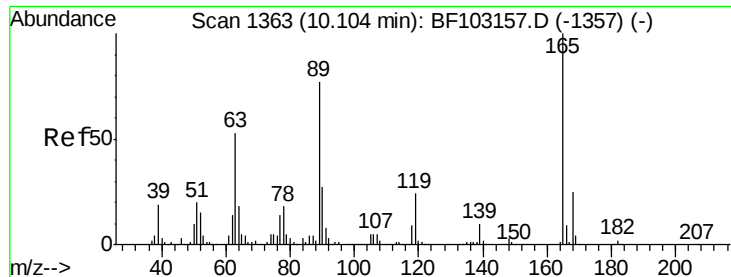
#49
Dimethylphthalate
Concen: 4.886 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion:163 Resp: 104501
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.5 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

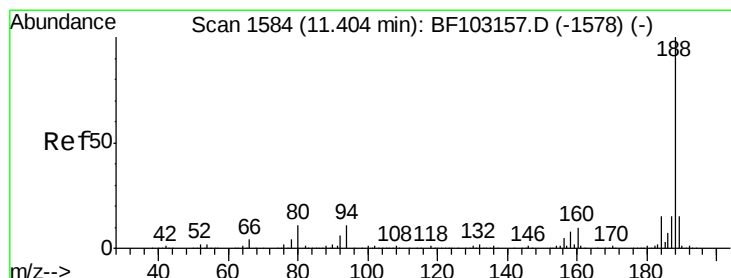
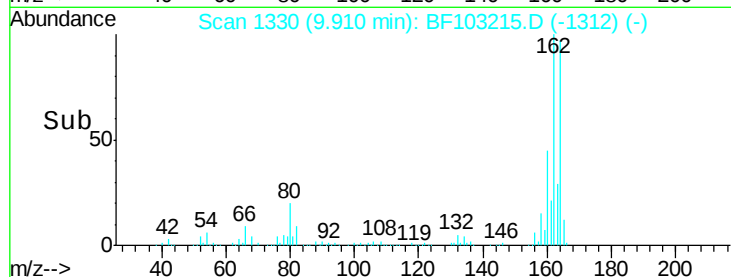
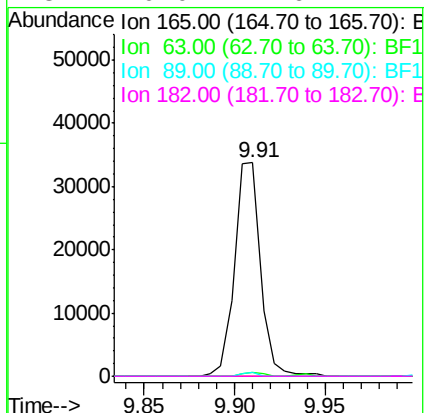
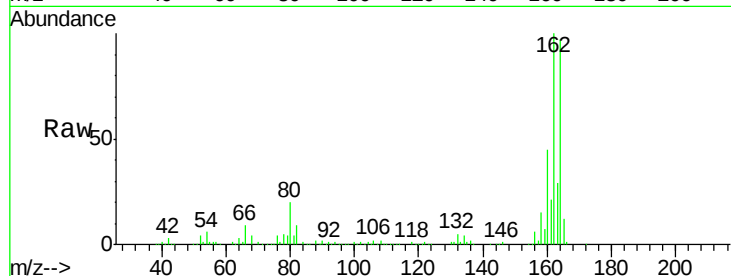




#56
 2,4-Dinitrotoluene
 Concen: 5.948 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF103215.D
 Acq: 26 Feb 2018 13:40

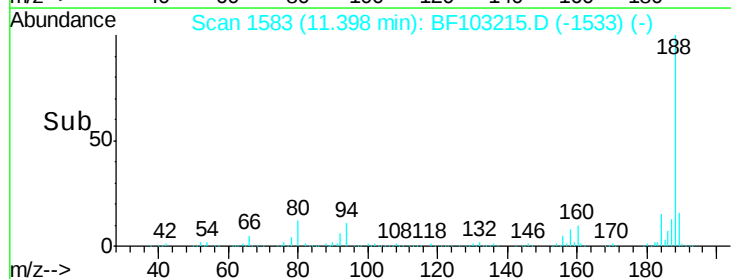
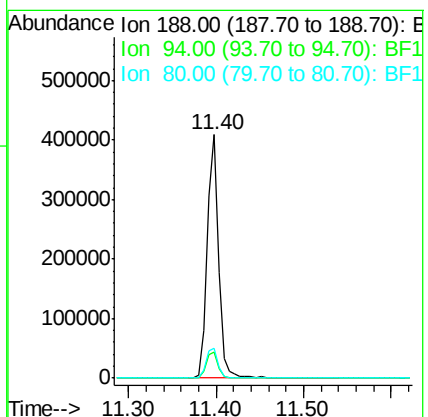
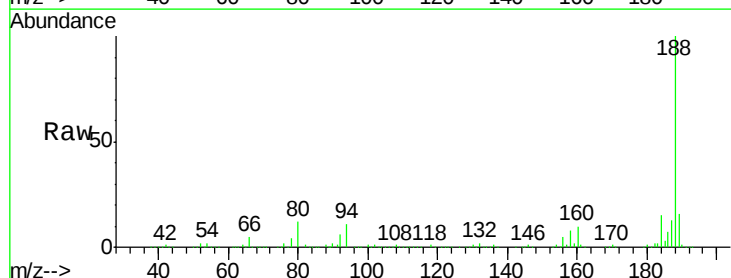
Instrument :
 BNA_F
 ClientSampled :

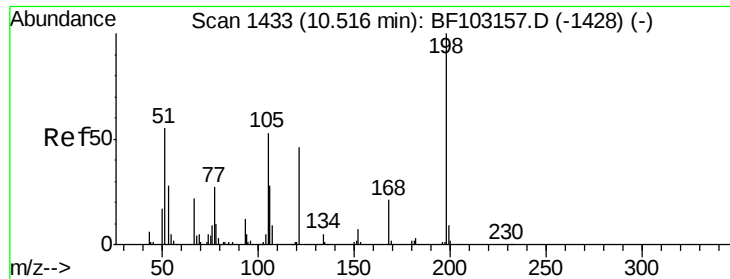
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103215.D
 Acq: 26 Feb 2018 13:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.2	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.127 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

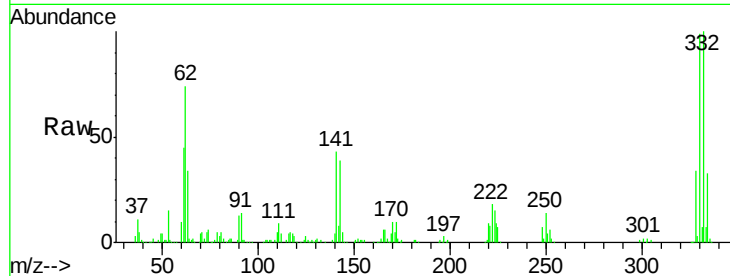
Tot Ion:198 Resp: 459

Ion Ratio Lower Upper

198 100

51 179.3 37.7 77.7#

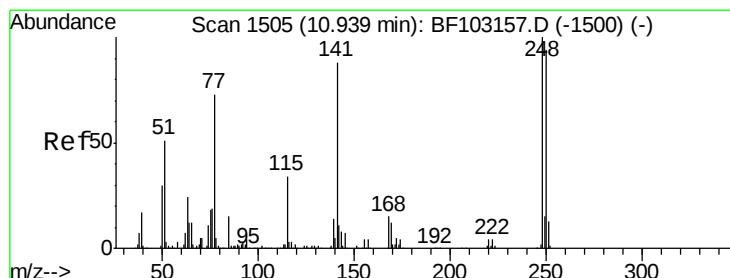
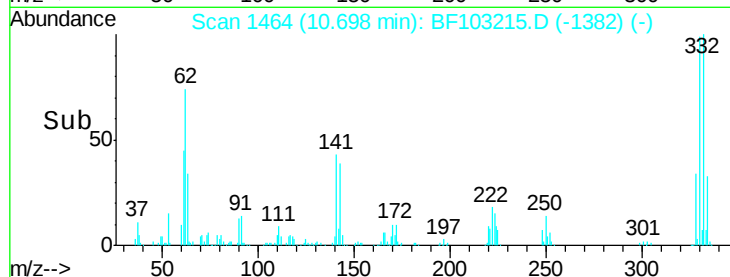
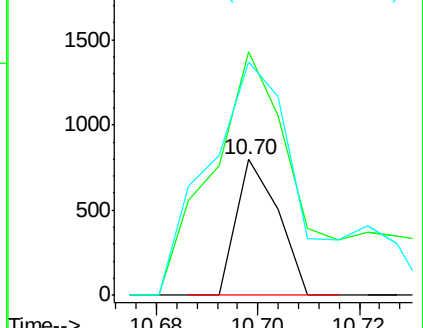
105 172.3 36.3 76.3#



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: 4.339 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

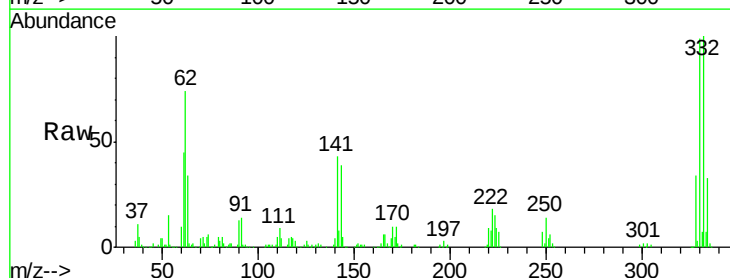
Tgt Ion:248 Resp: 16799

Ion Ratio Lower Upper

248 100

250 199.6 76.9 115.3#

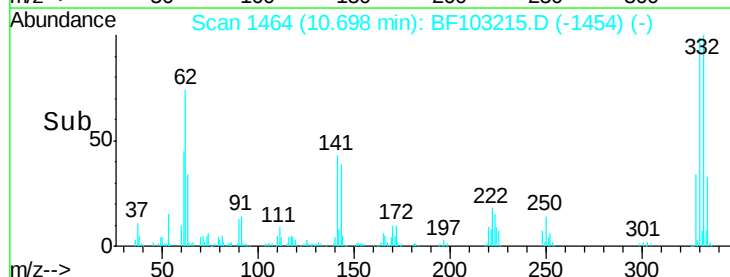
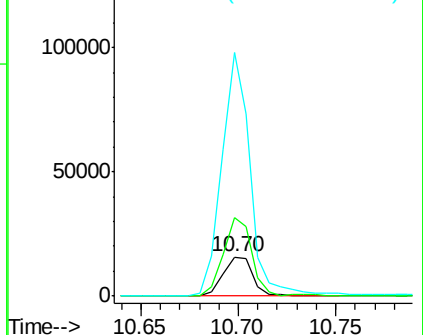
141 617.8 74.4 111.6#

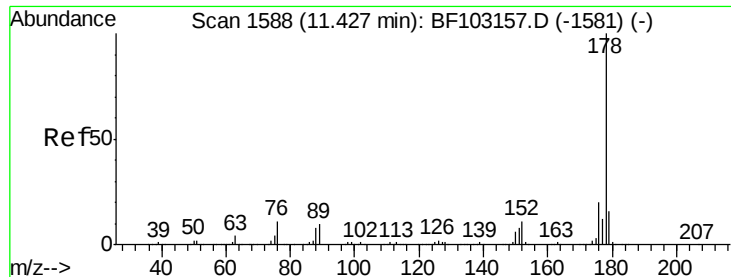


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.819 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

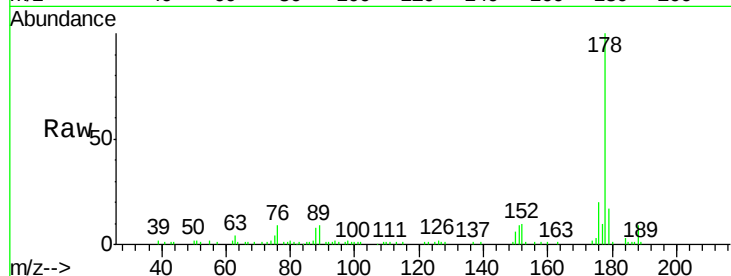
Tot Ion:178 Resp: 57666

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

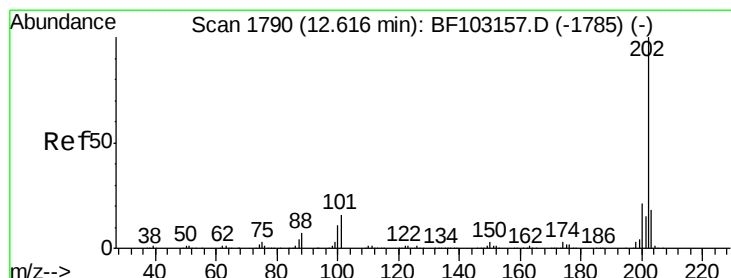
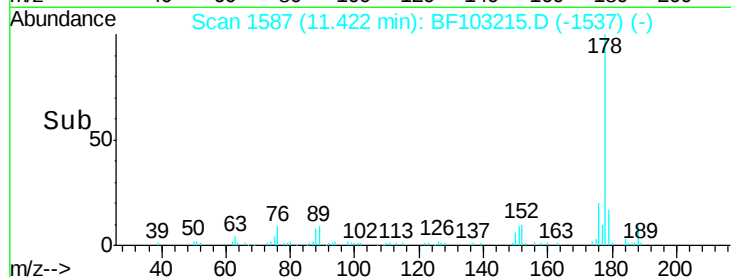
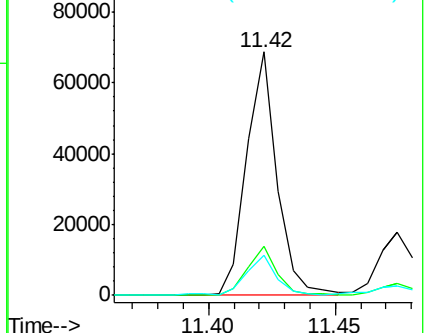
179 16.7 13.0 19.6



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: 5.573 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

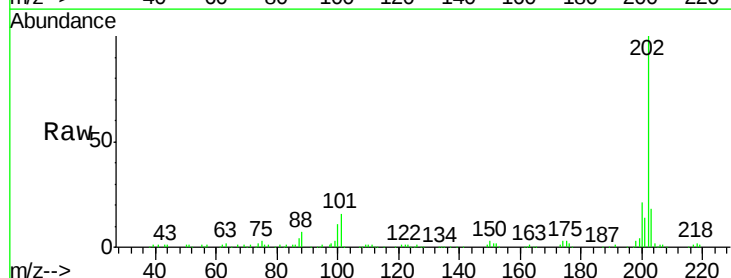
Tgt Ion:202 Resp: 114547

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

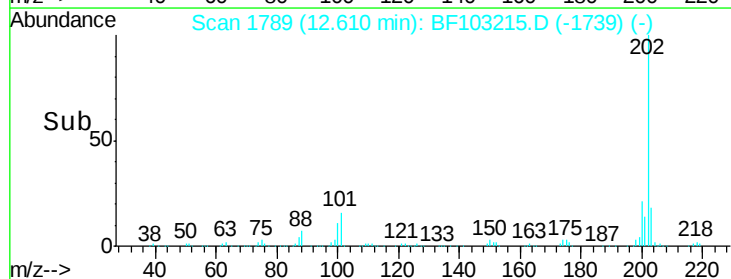
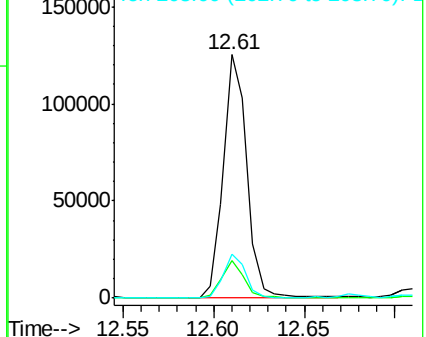
203 18.1 0.0 38.1

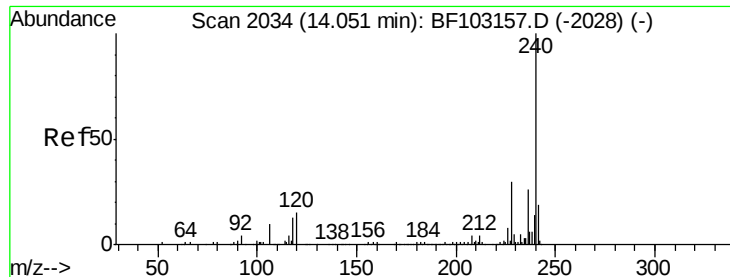


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

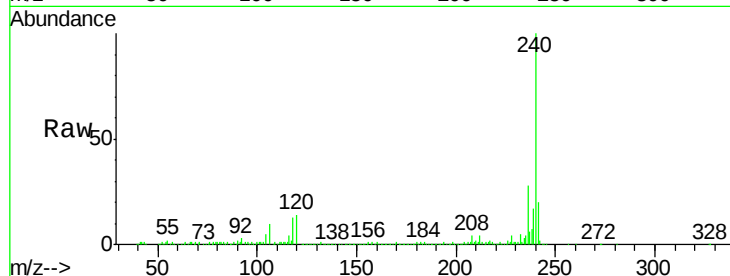
Tot Ion:240 Resp: 292921

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

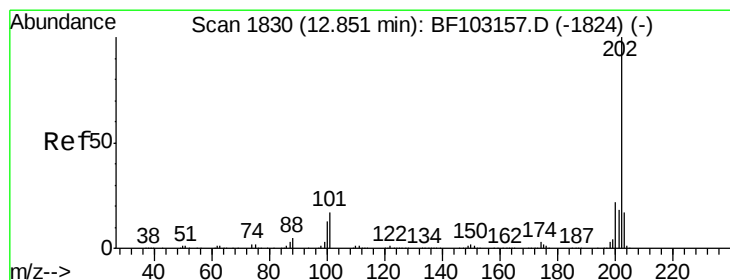
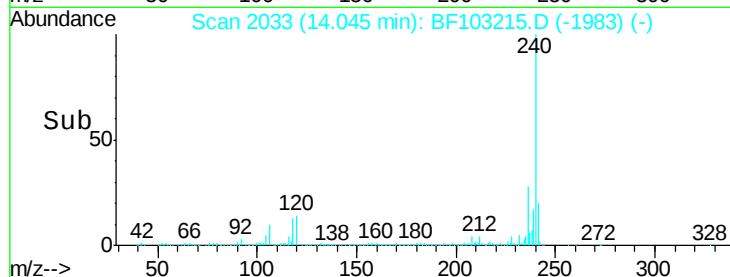
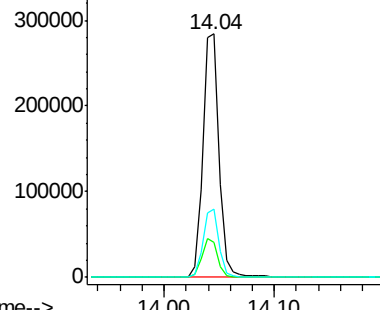
236 27.9 20.7 31.1



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: 4.865 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

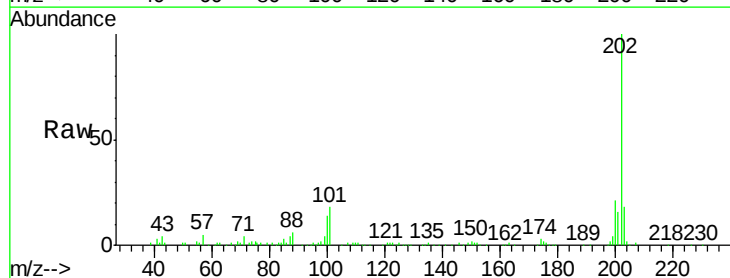
Tgt Ion:202 Resp: 111099

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

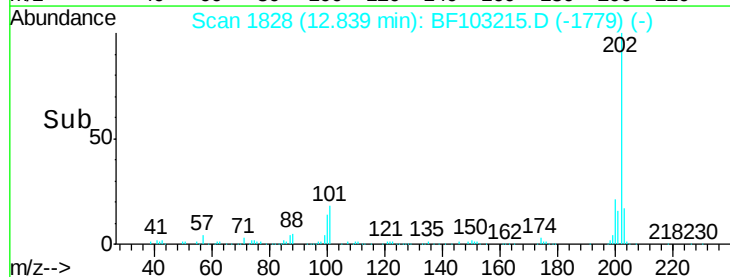
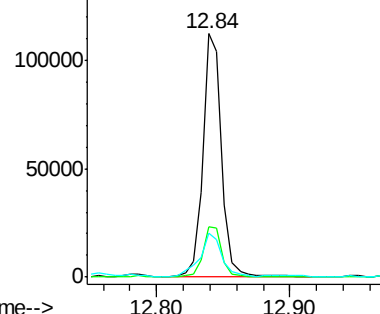
203 17.8 14.3 21.5

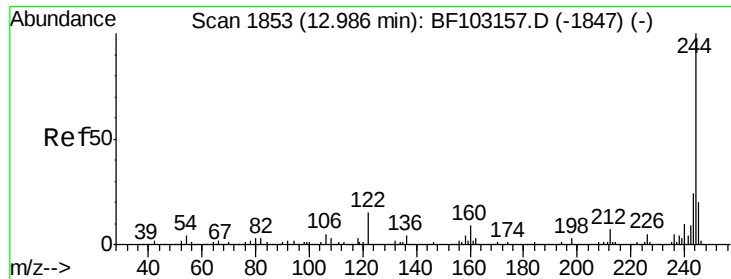


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.643 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

Instrument :

BNA_F

ClientSampleId :

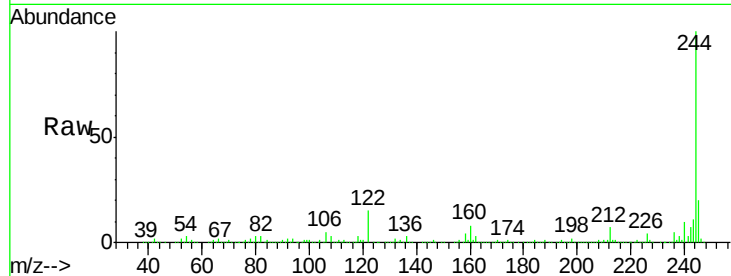
Tot Ion:244 Resp: 994858

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

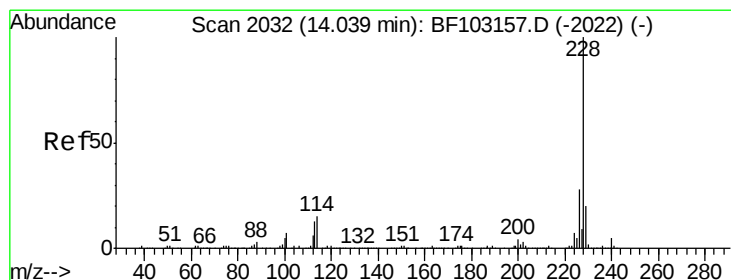
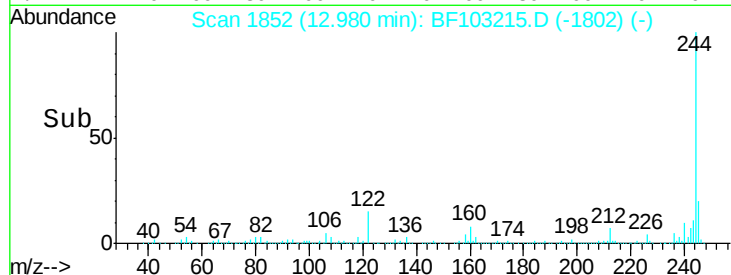
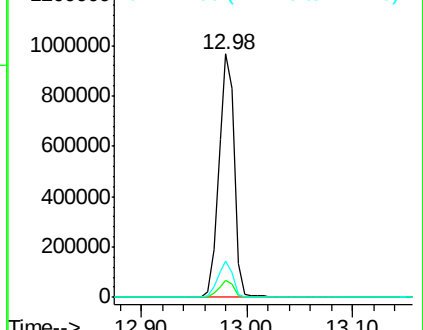
122 14.9 11.0 16.4



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: 3.098 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103215.D

Acq: 26 Feb 2018 13:40

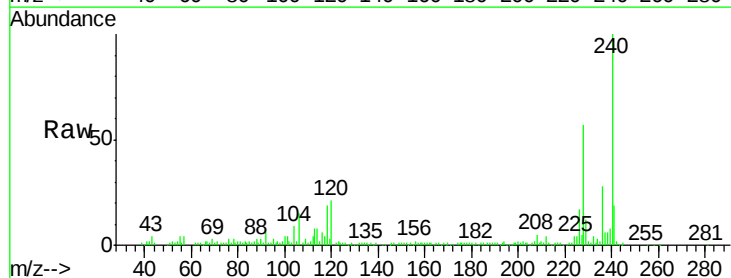
Tgt Ion:228 Resp: 58874

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

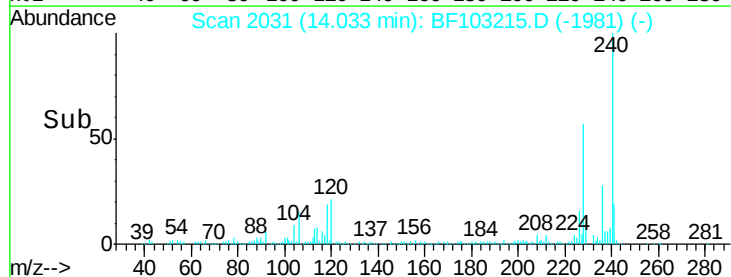
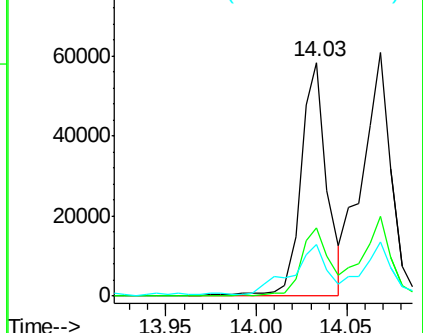
229 21.9 15.8 23.6

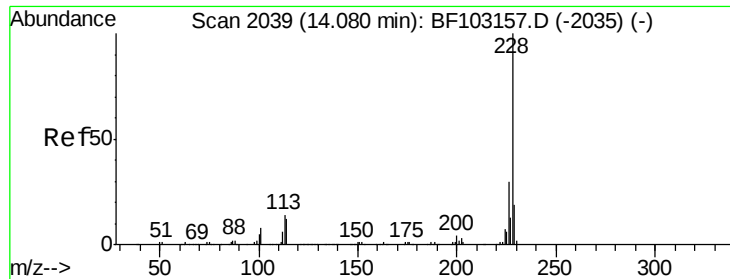


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

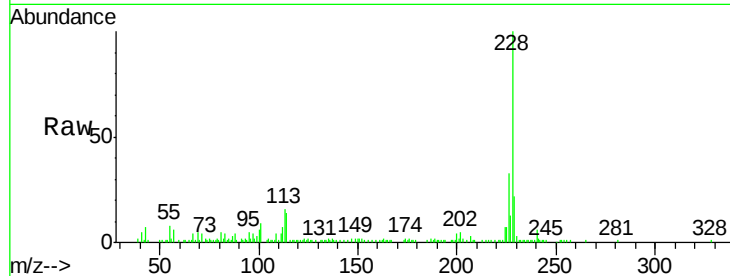




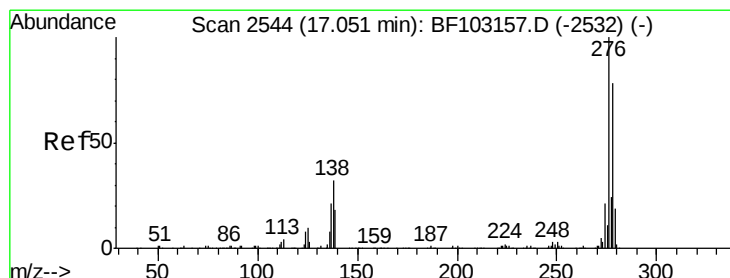
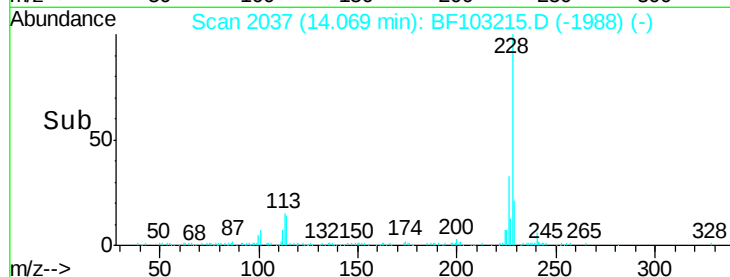
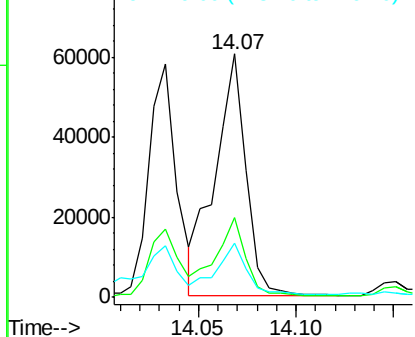
#82
Chrysene
Concen: 3.611 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 66640
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 22.2 16.2 24.4

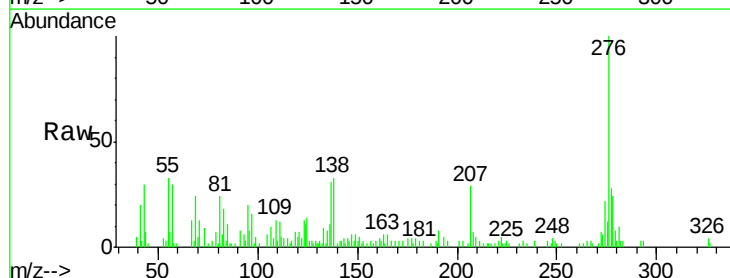


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

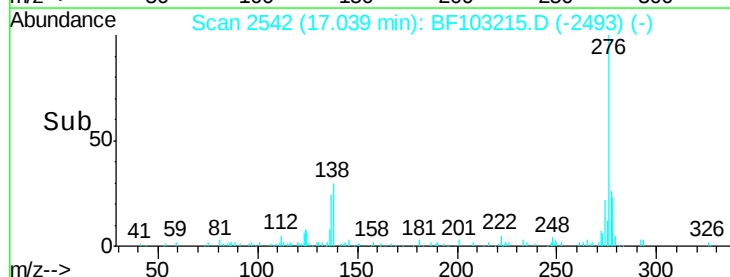
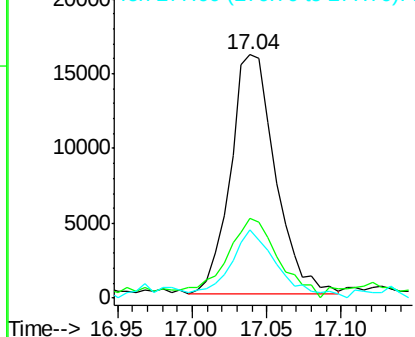


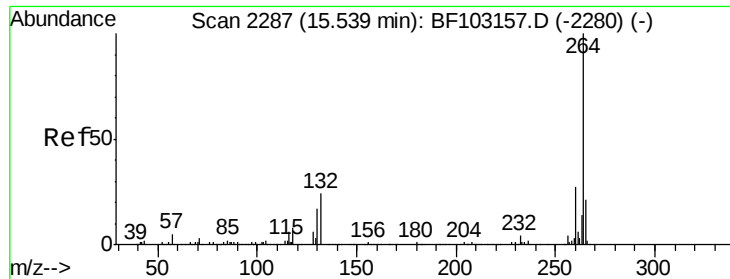
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.281 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion:276 Resp: 33327
Ion Ratio Lower Upper
276 100
138 38.9 25.0 37.6#
277 30.2 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

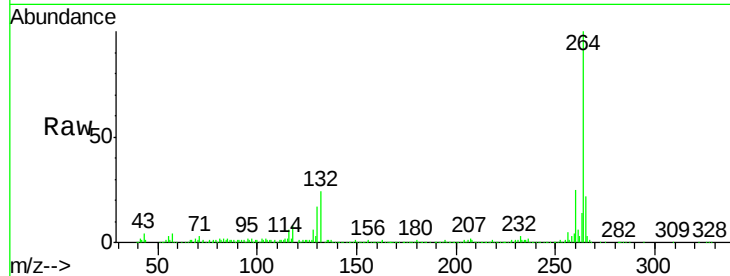




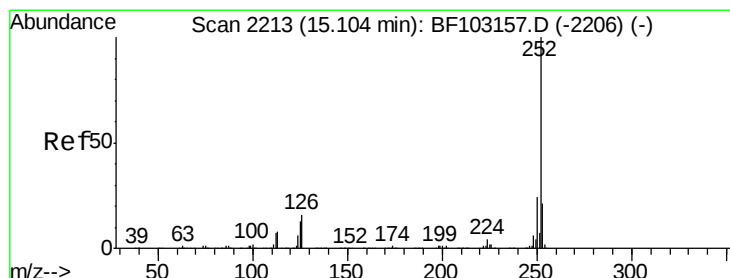
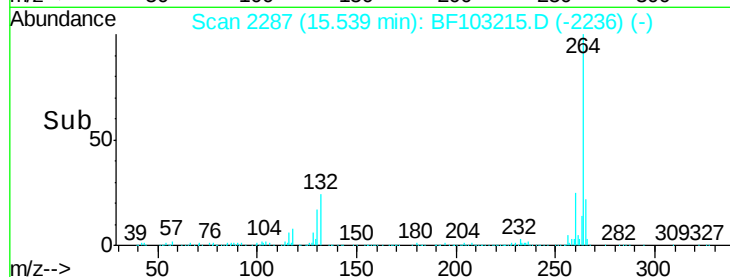
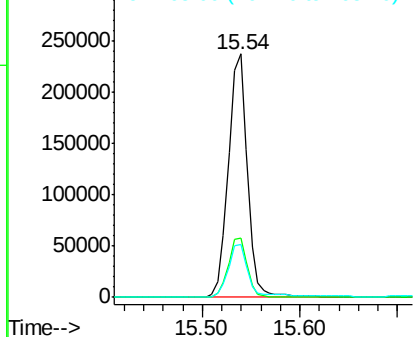
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.00 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

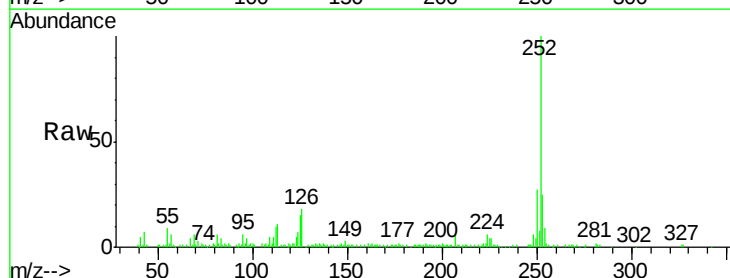


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

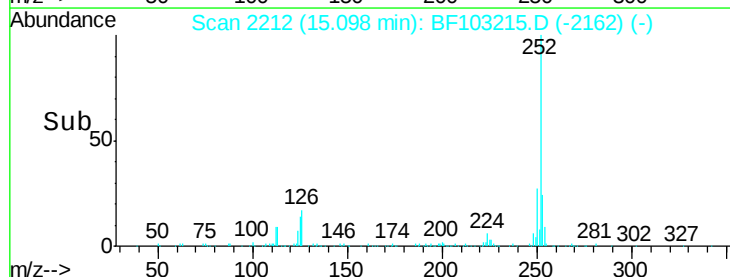
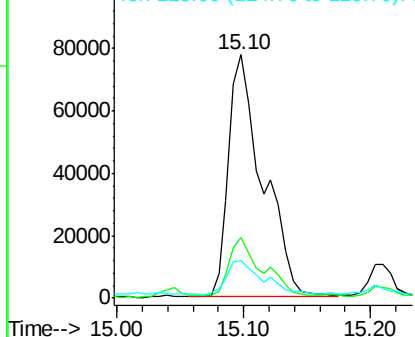


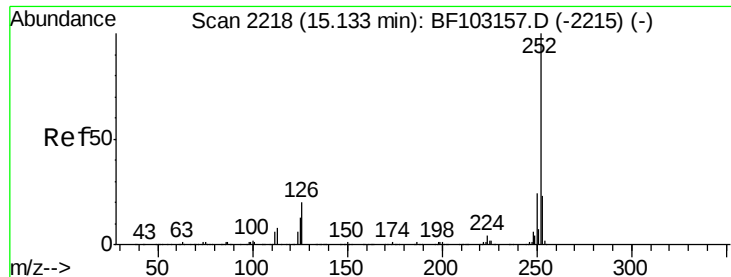
#87
Benzo(b)fluoranthene
Concen: 6.891 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	15.5	9.0	13.6



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

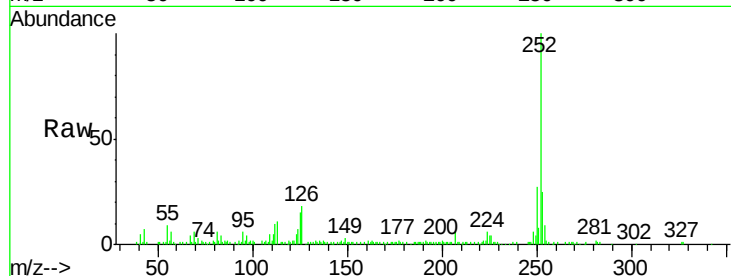




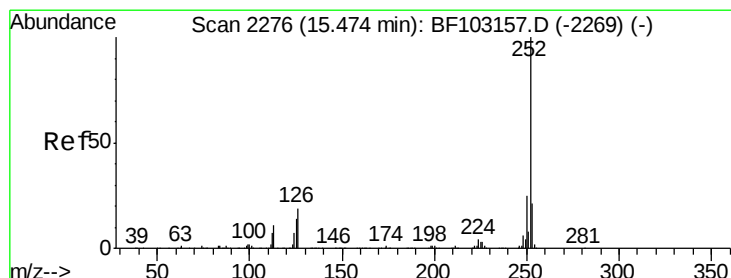
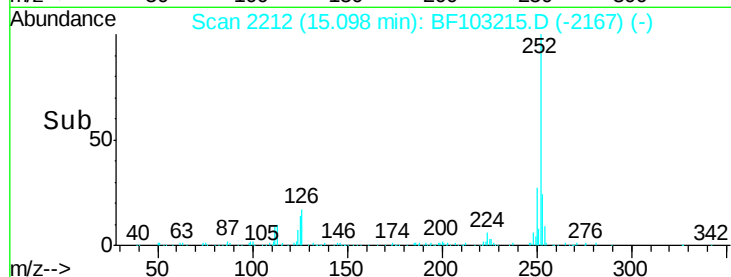
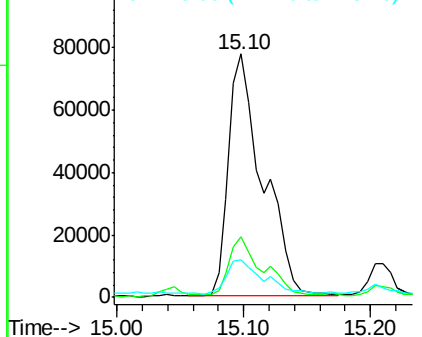
#88
Benzo(k)fluoranthene
Concen: 7.318 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	15.5	10.2	15.2#

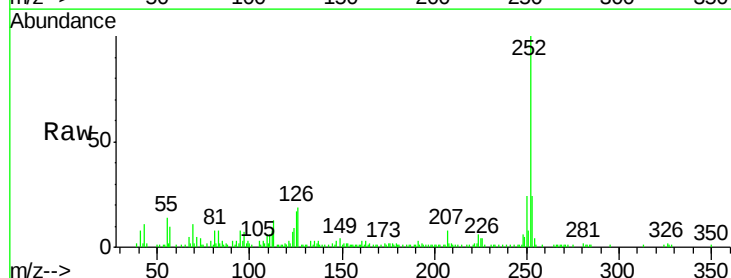


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

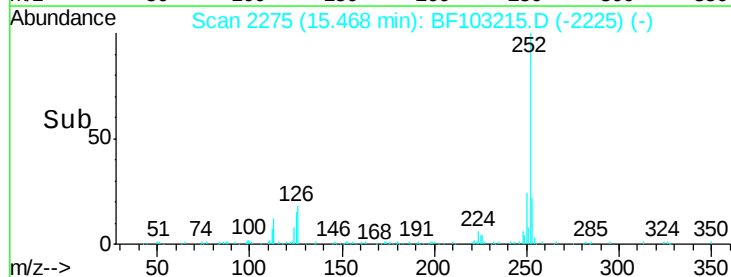
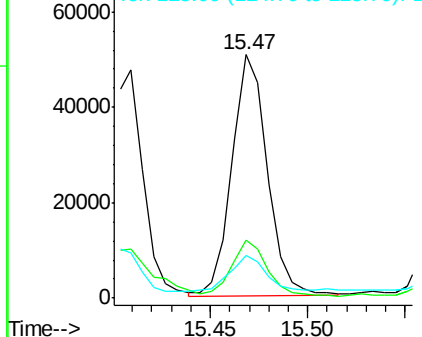


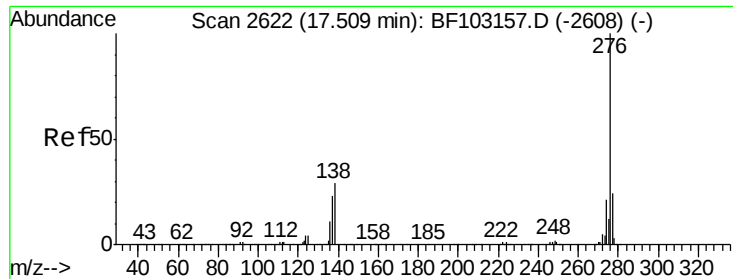
#89
Benzo(a)pyrene
Concen: 3.368 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF103215.D
Acq: 26 Feb 2018 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.5	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

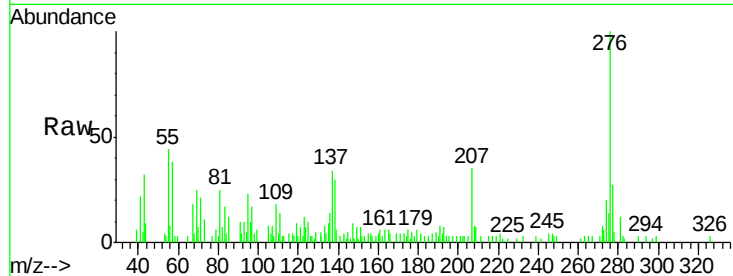




#91
 Benzo(a,h,i)perylene
 Concen: 2.210 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF103215.D
 Acq: 26 Feb 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	29.7	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

