

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121815\
 Data File : BF083903.D
 Acq On : 18 Dec 2015 8:04
 Operator : UM/SJ
 Sample : G4759-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 11:38:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.04	152	188862	20.00	ng	0.16
21) Naphthalene-d8	8.17	136	480437	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	177883	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	238286	20.00	ng	0.02
75) Chrysene-d12	14.08	240	198577	20.00	ng	0.05
86) Perylene-d12	15.53	264	158219	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	395204	32.75	ng	0.02
7) Phenol-d6	6.53	99	460305	31.16	ng	0.02
23) Nitrobenzene-d5	7.45	82	316871	37.64	ng	0.01
41) 2,4,6-Tribromophenol	10.72	330	90651	46.26	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	513706	36.97	ng	0.00
78) Terphenyl-d14	13.01	244	302355	31.66	ng	0.03

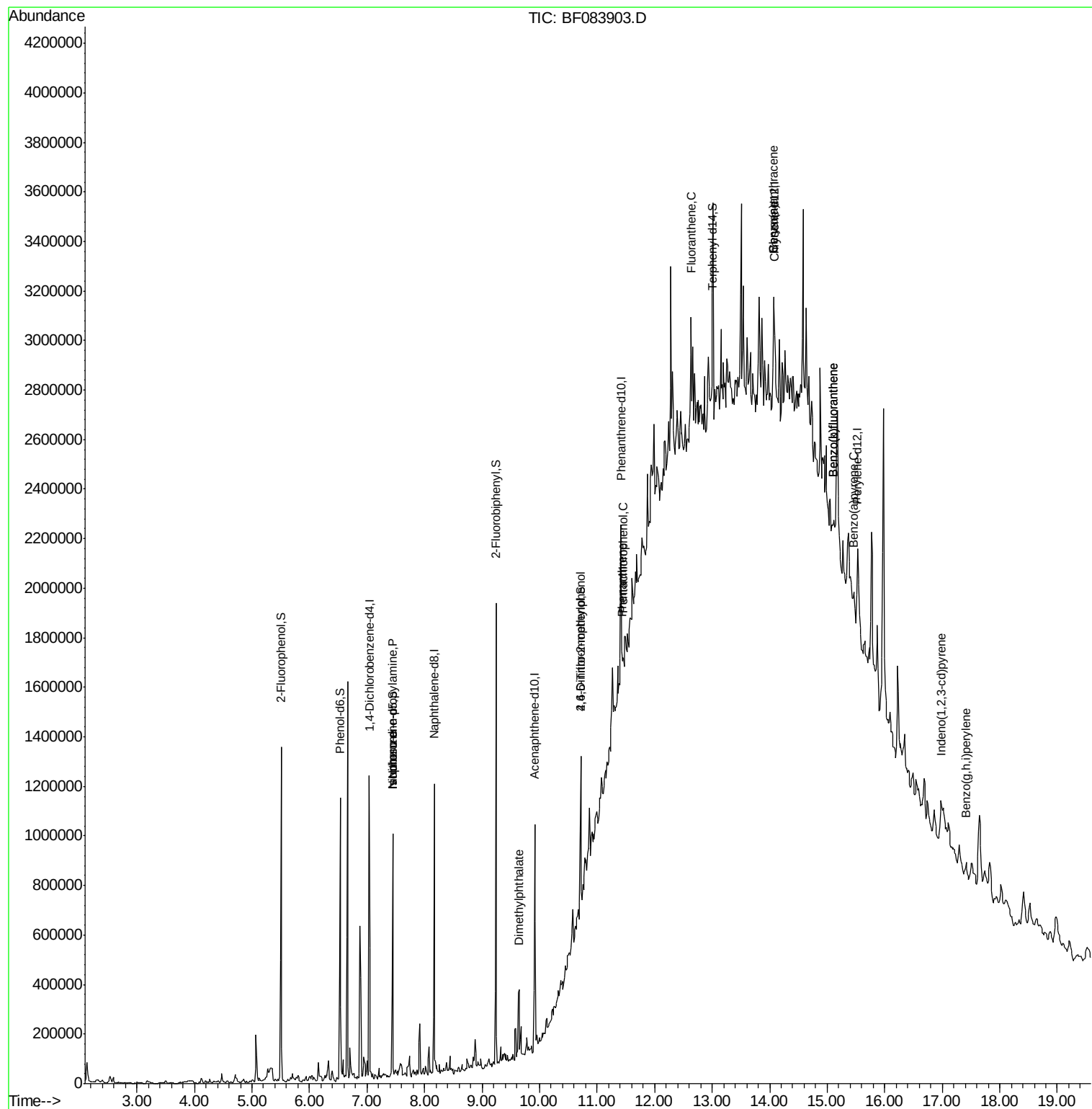
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	47913	5.56	ng	# 77
25) Isophorone	7.45	82	234419	14.80	ng	# 66
31) Naphthalene	8.19	128	19723	Below	Cal	100
36) 4-Chloro-3-methylphenol	8.74	107	5712	Below	Cal	# 20
45) 1,1'-Biphenyl	9.34	154	2881	Below	Cal	89
46) 2-Chloronaphthalene	9.42	162	3388	Below	Cal	# 77
49) Dimethylphthalate	9.64	163	153583	10.29	ng	99
57) Fluorene	10.48	166	4454	Below	Cal	# 21
64) 4,6-Dinitro-2-methylphenol	10.72	198	931	4.51	ng	# 1
69) Pentachlorophenol	11.45	266	437	5.04	ng	# 21
70) Phenanthrene	11.44	178	29478	2.05	ng	# 83
74) Fluoranthene	12.64	202	50728	3.53	ng	85
80) Benzo(a)anthracene	14.07	228	40272	3.30	ng	# 72
82) Chrysene	14.07	228	40272	3.41	ng	# 77
85) Indeno(1,2,3-cd)pyrene	16.98	276	27764	3.15	ng	94
87) Benzo(b)fluoranthene	15.11	252	66290	5.75	ng	# 25
88) Benzo(k)fluoranthene	15.11	252	66290	6.97	ng	# 21
89) Benzo(a)pyrene	15.46	252	36267	3.81	ng	# 9
91) Benzo(a,h,i)perylene	17.41	276	46116	6.35	ng	# 90

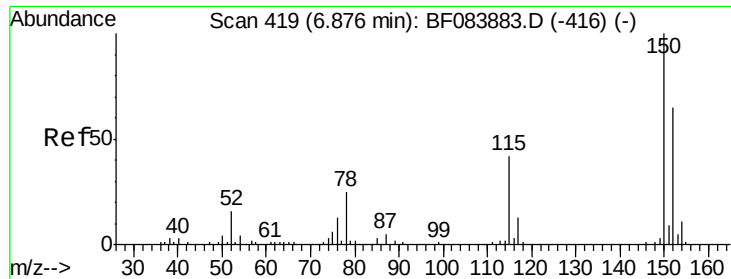
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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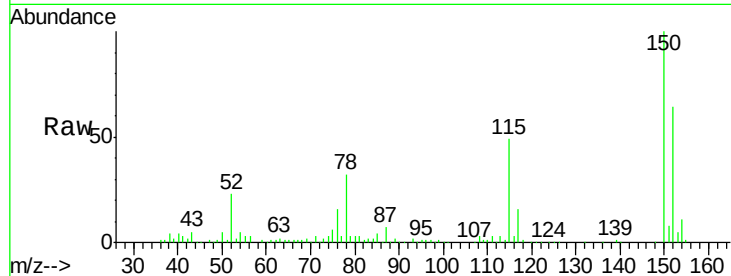




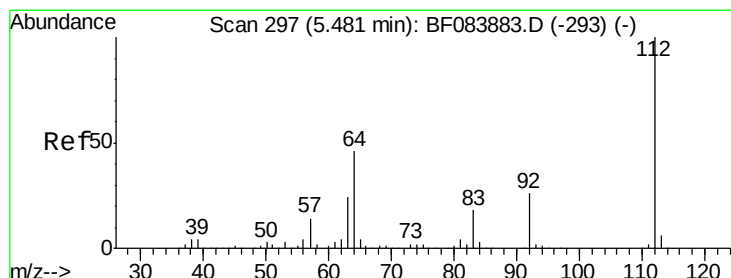
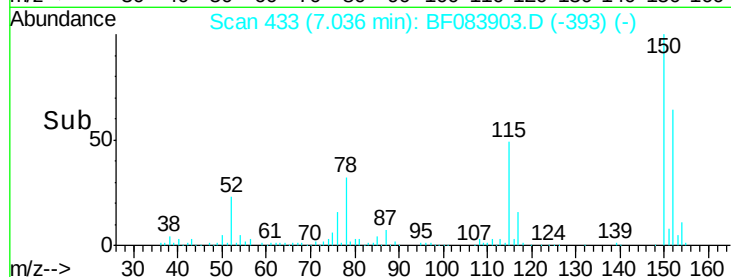
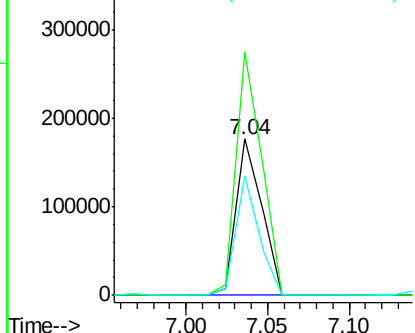
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.04 min Scan# 433
 Delta R.T. 0.16 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 188862
 Ion Ratio Lower Upper
 152 100
 150 155.9 123.0 184.4
 115 76.9 51.4 77.2

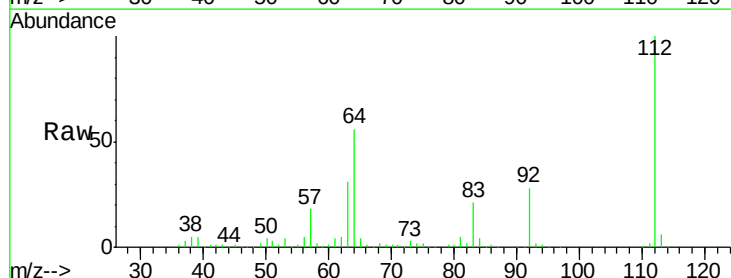


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

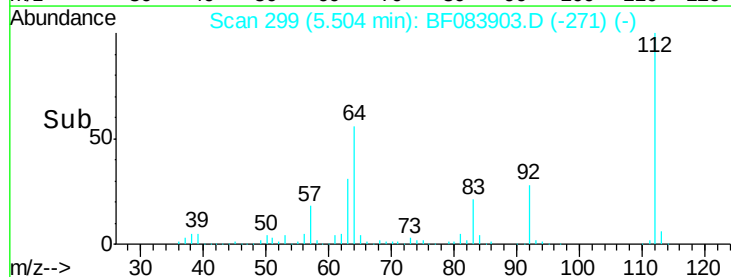
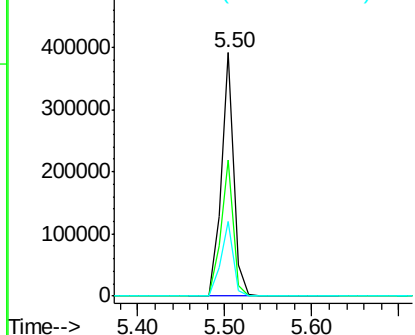


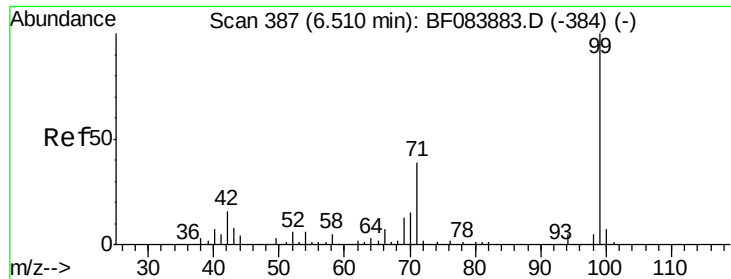
#5
 2-Fluorophenol
 Concen: 32.75 ng
 RT: 5.50 min Scan# 299
 Delta R.T. 0.02 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion:112 Resp: 395204
 Ion Ratio Lower Upper
 112 100
 64 55.9 36.6 55.0#
 63 30.7 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.16 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampled :

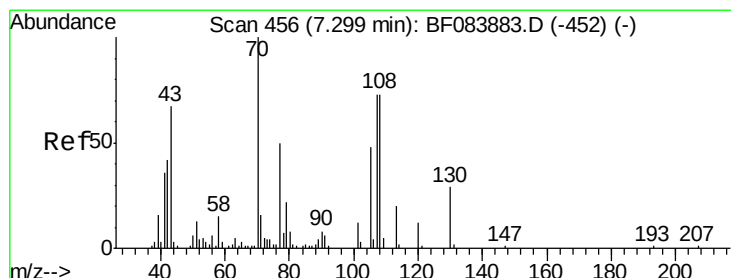
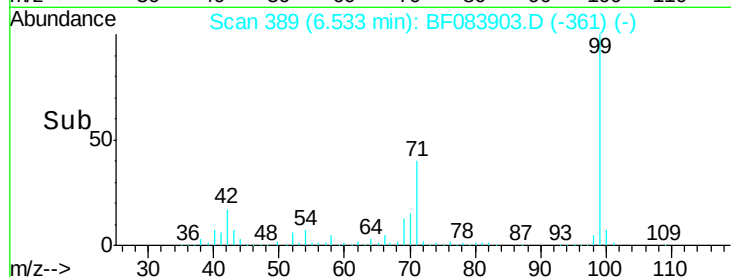
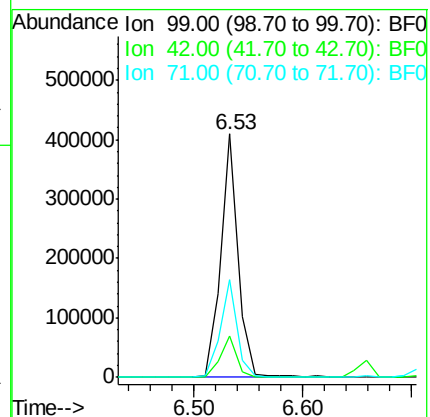
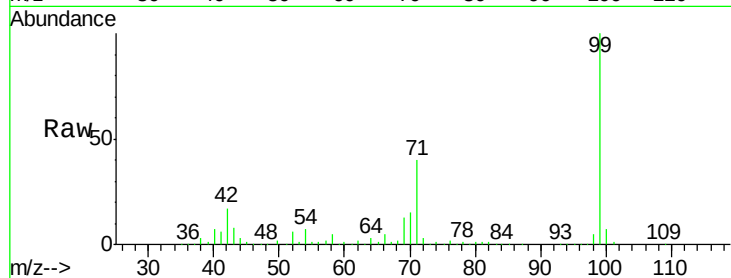
Tot Ion: 99 Resp: 460305

Ion Ratio Lower Upper

99 100

42 17.2 12.8 19.2

71 40.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 5.56 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.15 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion: 70 Resp: 47913

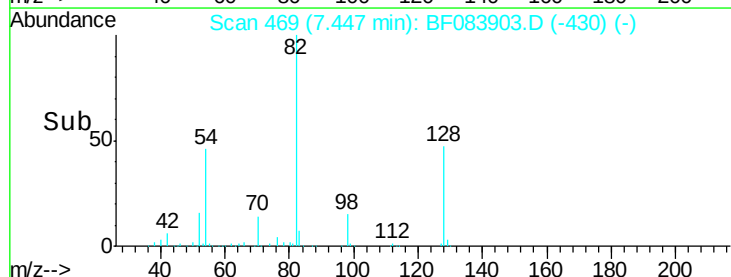
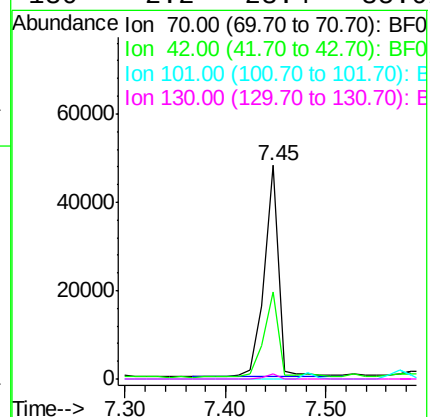
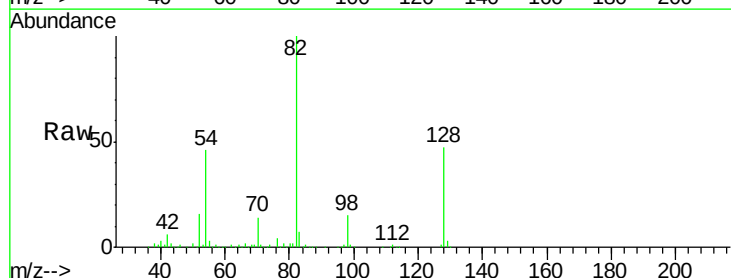
Ion Ratio Lower Upper

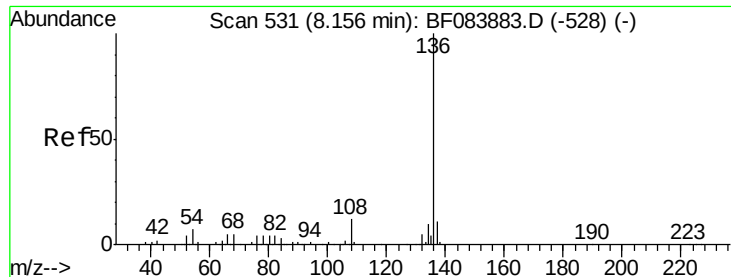
70 100

42 40.9 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 480437

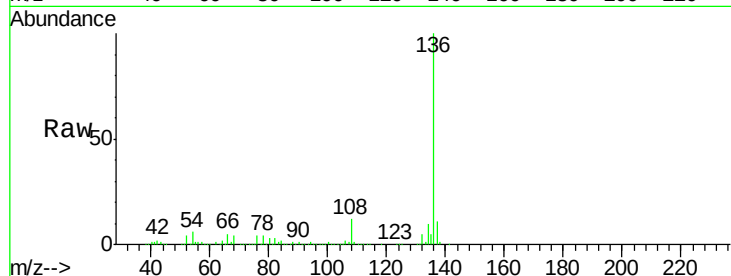
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.0 5.8 8.8

68 4.4 4.2 6.2

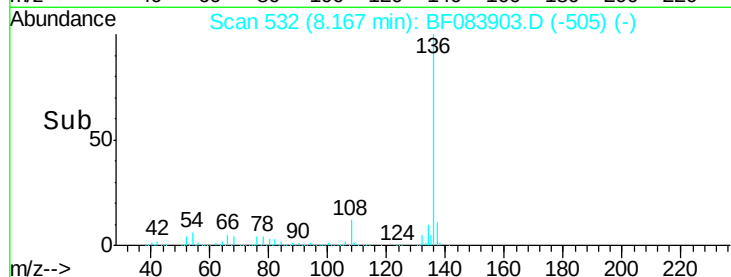


Abundance Ion 136.00 (135.70 to 136.70): E

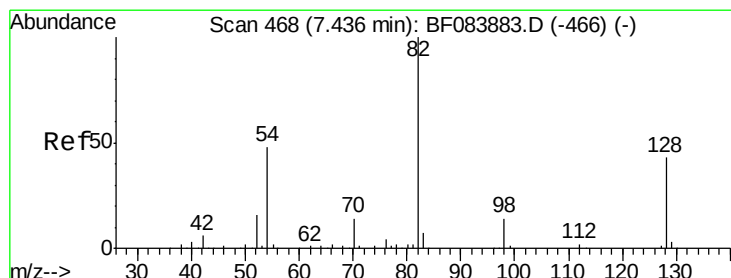
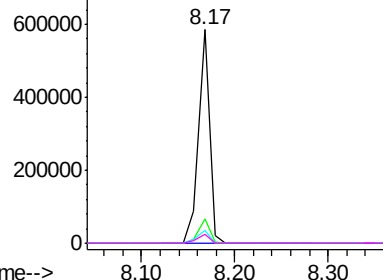
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 37.64 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.01 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

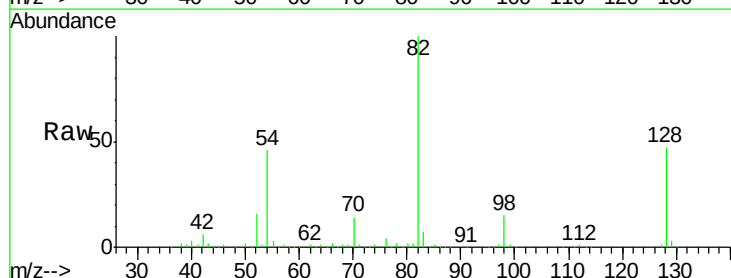
Tgt Ion: 82 Resp: 316871

Ion Ratio Lower Upper

82 100

128 47.1 34.6 51.8

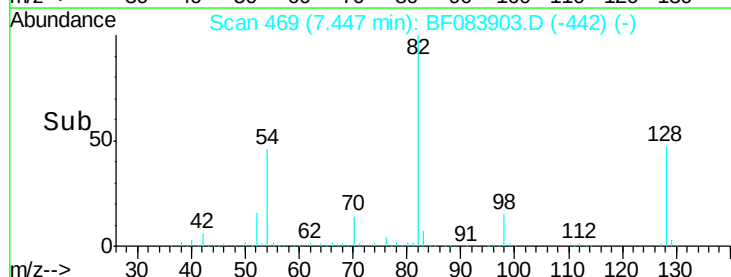
54 46.0 38.4 57.6



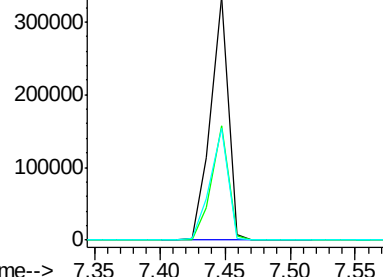
Abundance Ion 82.00 (81.70 to 82.70): BF0

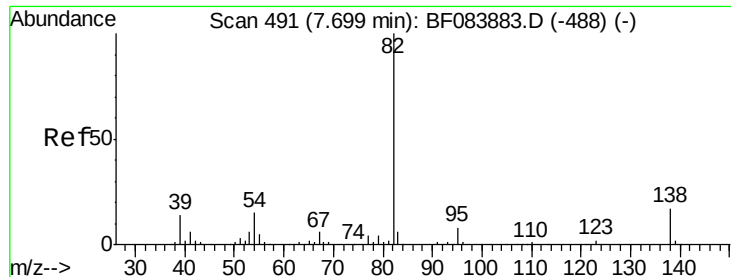
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 14.80 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.25 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

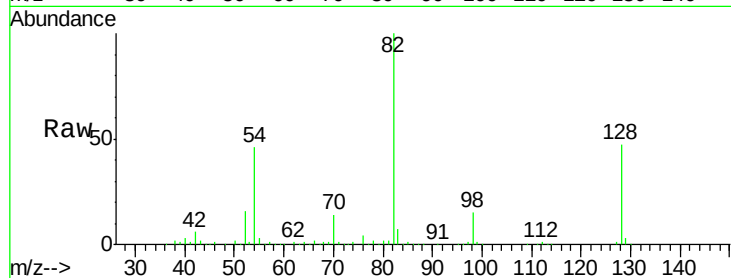
Tot Ion: 82 Resp: 234419

Ion Ratio Lower Upper

82 100

95 0.2 6.6 10.0#

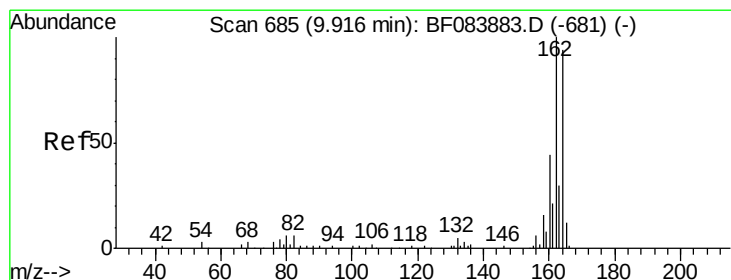
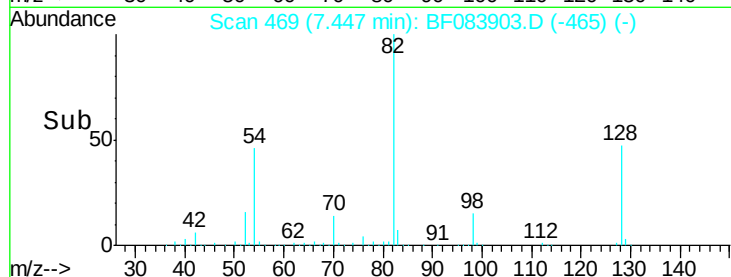
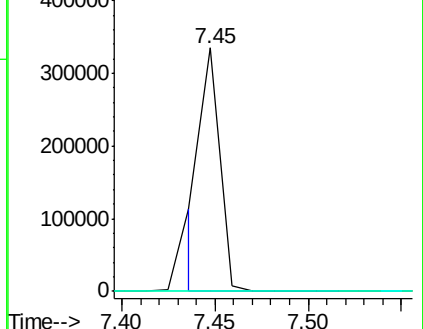
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

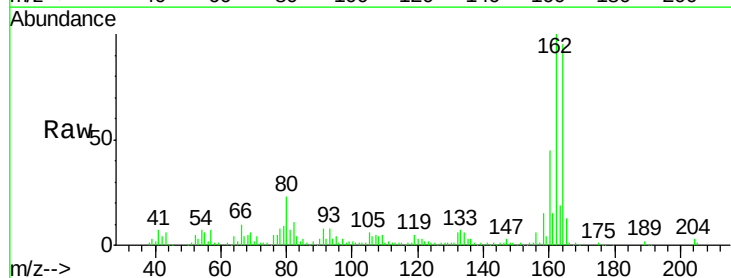
Tgt Ion:164 Resp: 177883

Ion Ratio Lower Upper

164 100

162 105.0 85.1 127.7

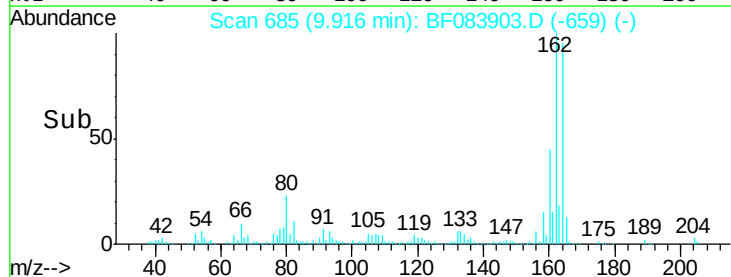
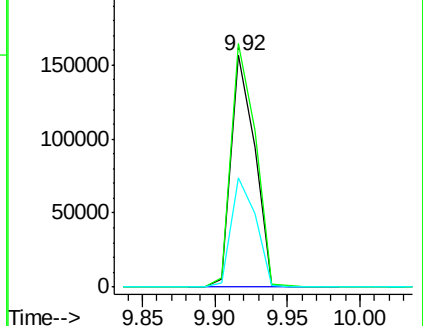
160 46.9 37.5 56.3

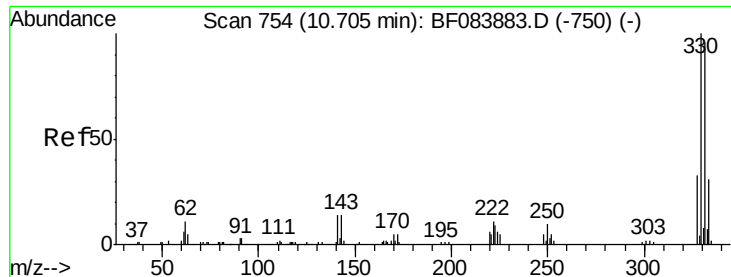


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

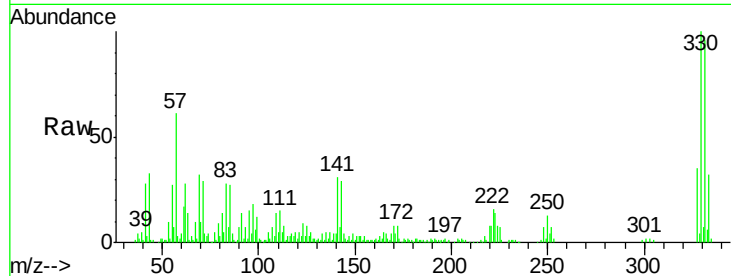




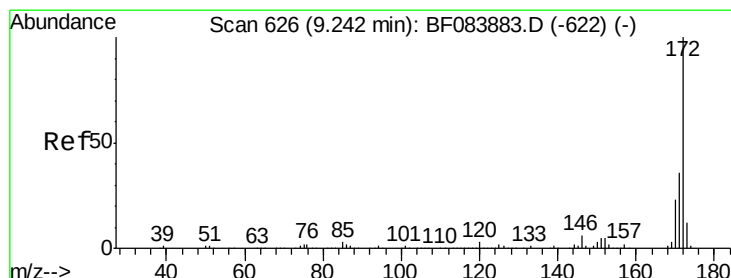
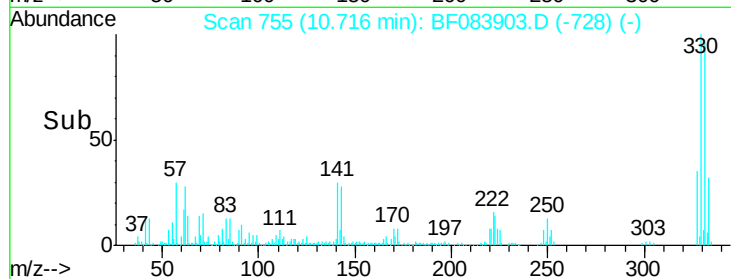
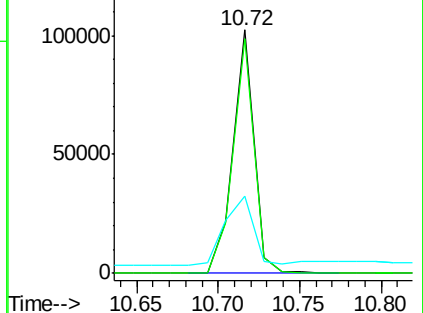
#41
 2,4,6-Tribromophenol
 Concen: 46.26 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 90651
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 38.5 27.8 41.6

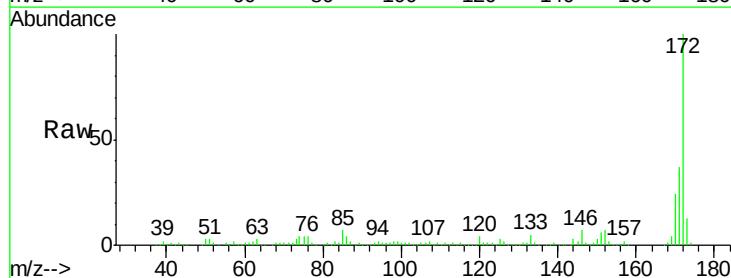


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

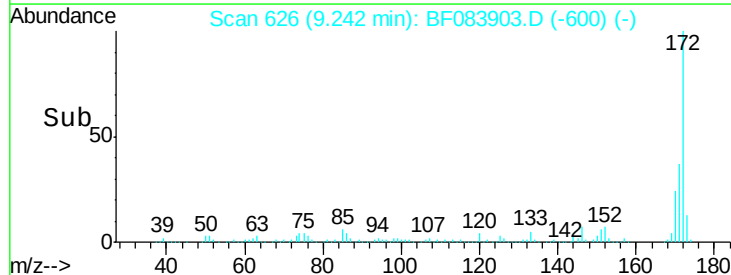
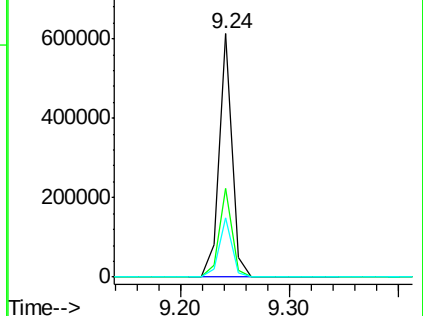


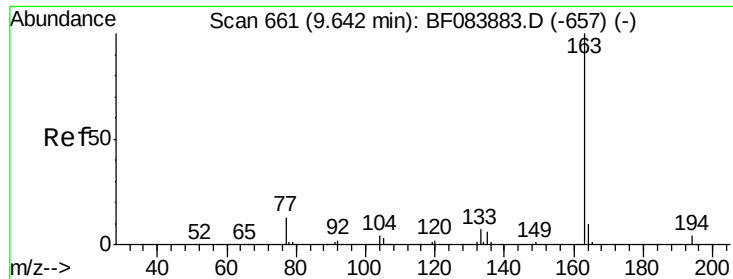
#44
 2-Fluorobiphenyl
 Concen: 36.97 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion:172 Resp: 513706
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 24.3 18.6 27.8



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

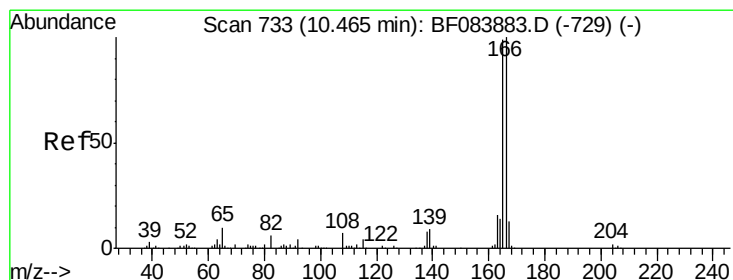
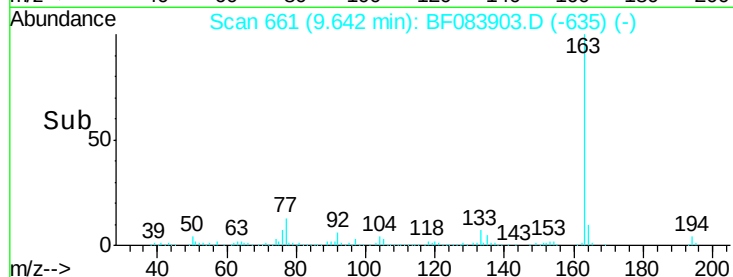
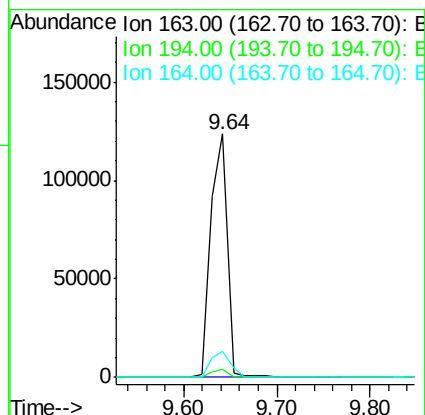
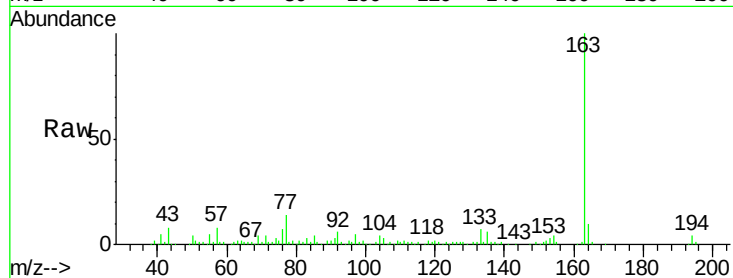




#49
Dimethylphthalate
Concen: 10.29 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

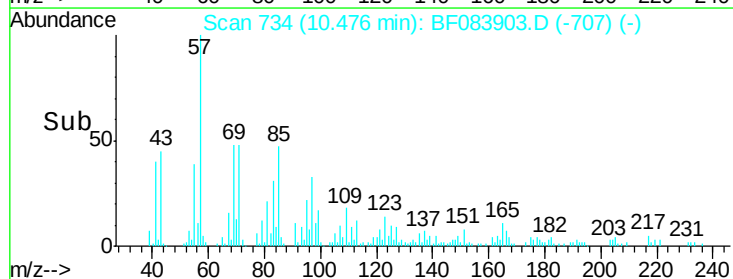
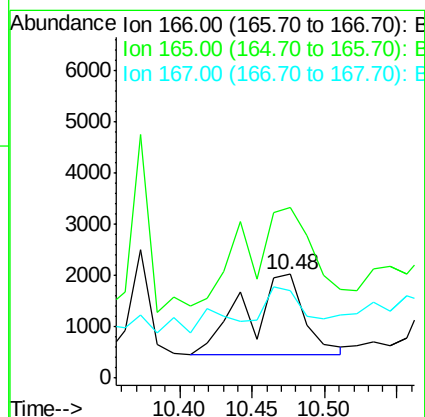
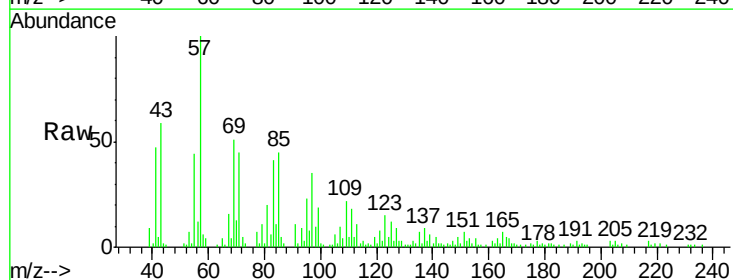
Instrument :
BNA_F
ClientSampleId :

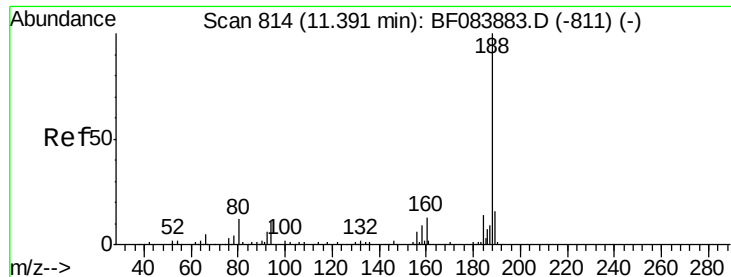
Tot Ion:163 Resp: 153583
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.6
164 10.4 7.9 11.9



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Tgt Ion:166 Resp: 4454
Ion Ratio Lower Upper
166 100
165 164.5 79.1 118.7#
167 85.0 10.4 15.6#

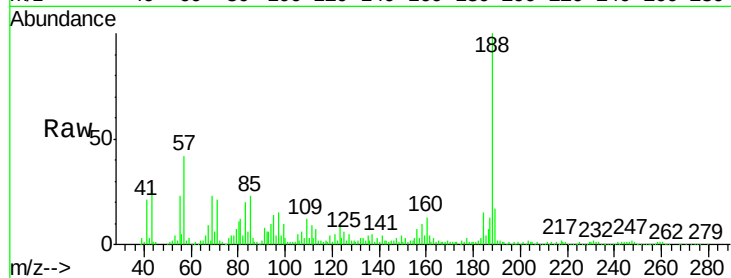




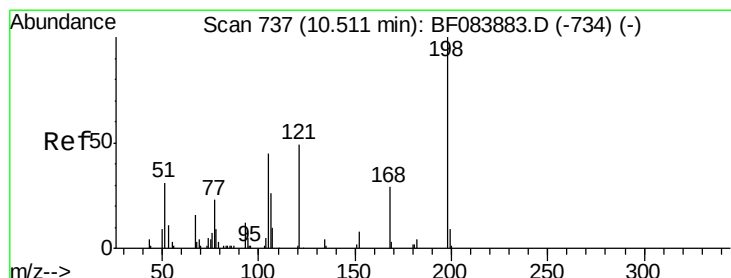
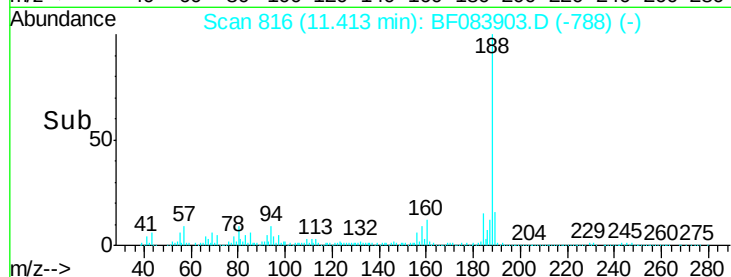
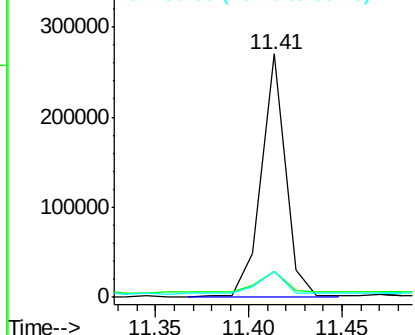
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.02 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 238286
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.4
80 10.5 9.6 14.4

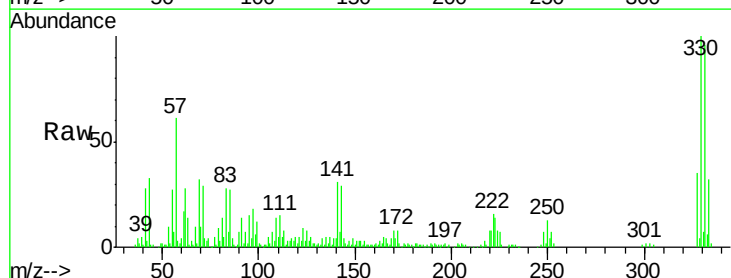


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

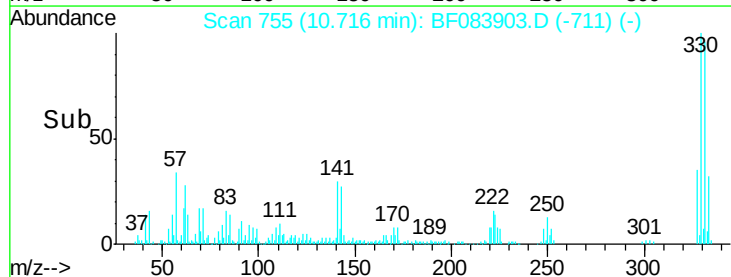
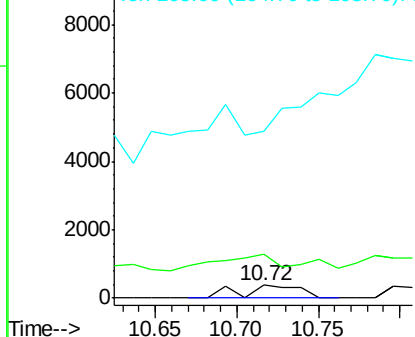


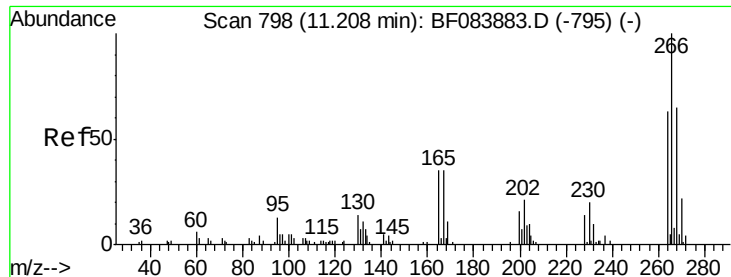
#64
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.72 min Scan# 755
Delta R.T. 0.21 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Tgt Ion:198 Resp: 931
Ion Ratio Lower Upper
198 100
51 347.8 18.9 58.9#
105 1316.5 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

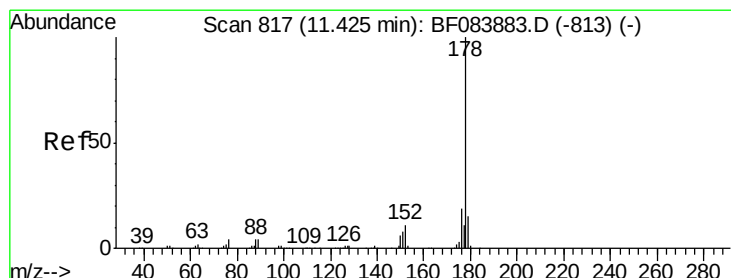
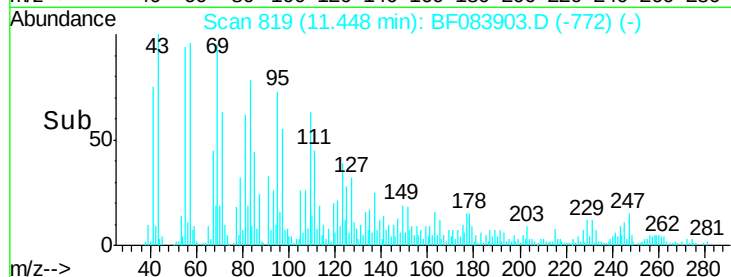
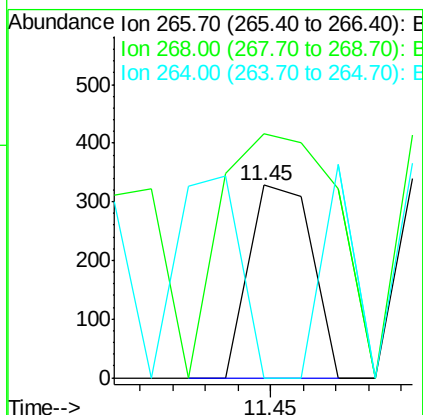
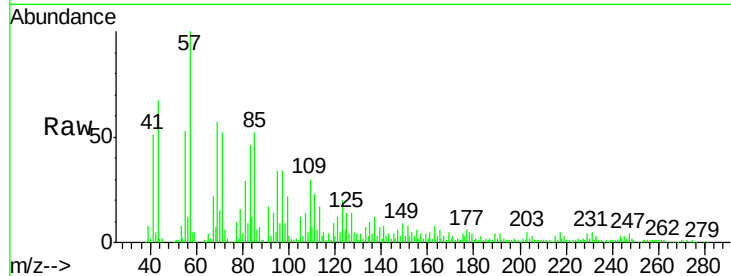




#69
 Pentachlorophenol
 Concen: 5.04 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.24 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

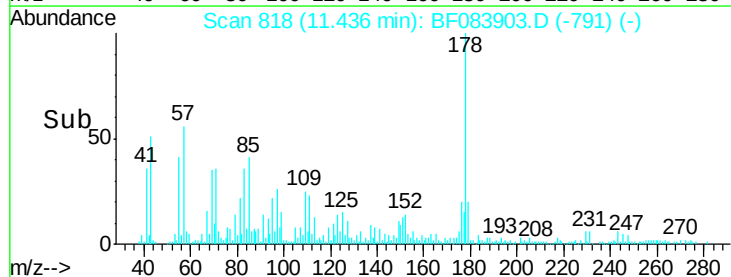
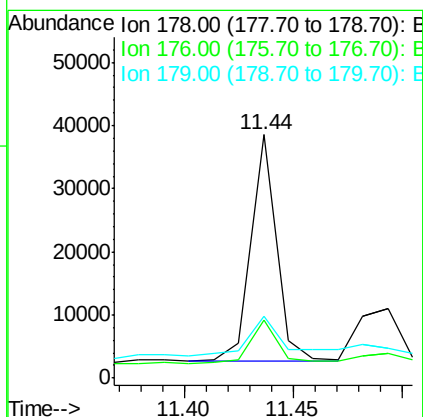
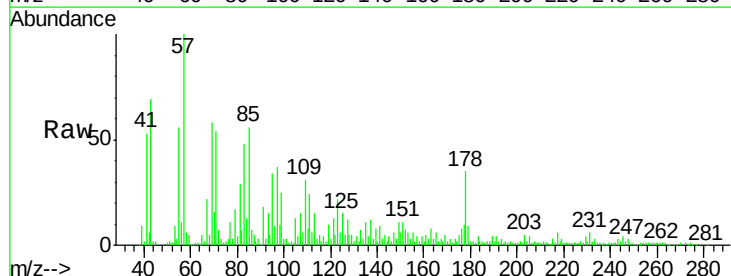
Instrument :
 BNA_F
 ClientSampled :

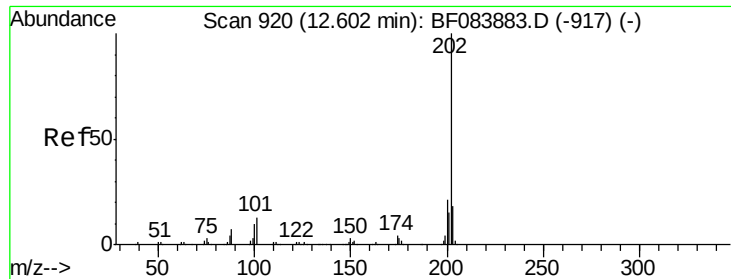
Tot Ion:266 Resp: 437
 Ion Ratio Lower Upper
 266 100
 268 126.8 52.4 78.6#
 264 0.0 50.2 75.2#



#70
 Phenanthrene
 Concen: 2.05 ng
 RT: 11.44 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion:178 Resp: 29478
 Ion Ratio Lower Upper
 178 100
 176 23.8 15.3 22.9#
 179 25.5 12.0 18.0#





#74

Fluoranthene

Concen: 3.53 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.03 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

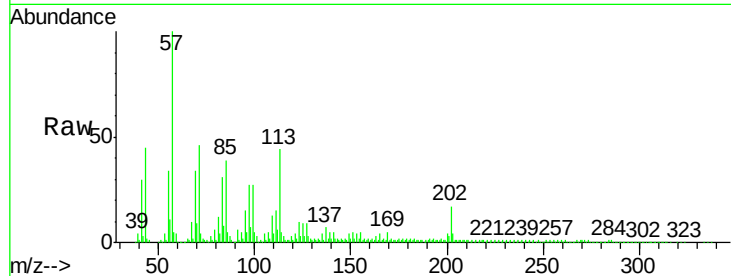
Tot Ion:202 Resp: 50728

Ion Ratio Lower Upper

202 100

101 19.8 0.0 32.8

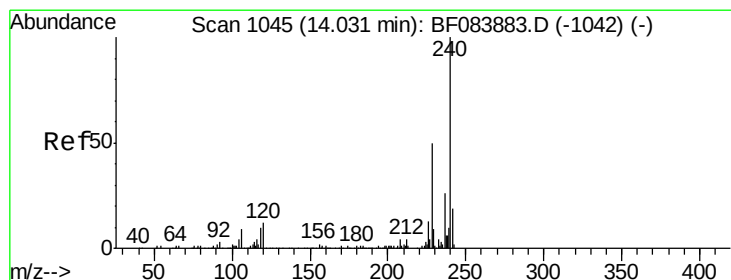
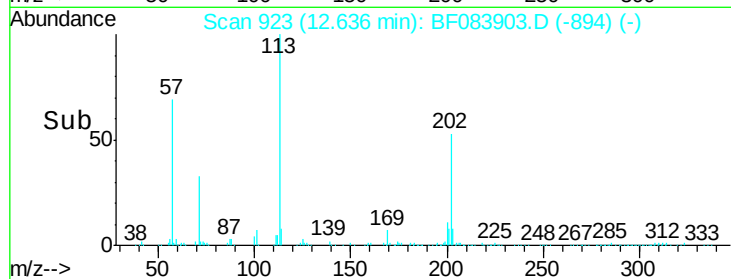
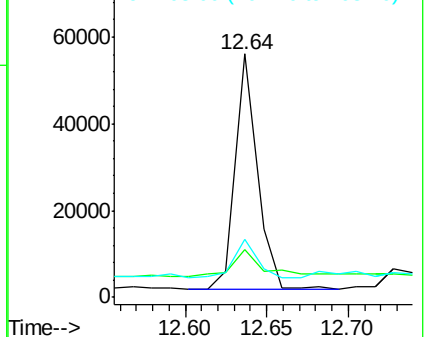
203 23.8 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.05 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

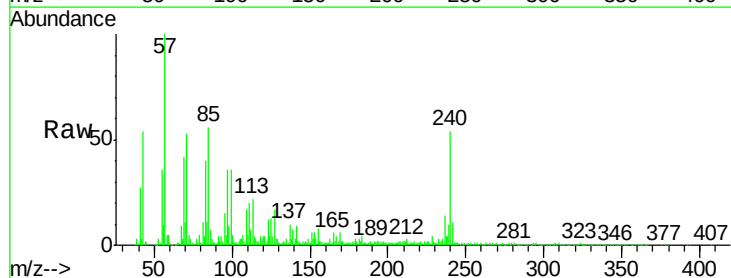
Tgt Ion:240 Resp: 198577

Ion Ratio Lower Upper

240 100

120 7.2 9.5 14.3#

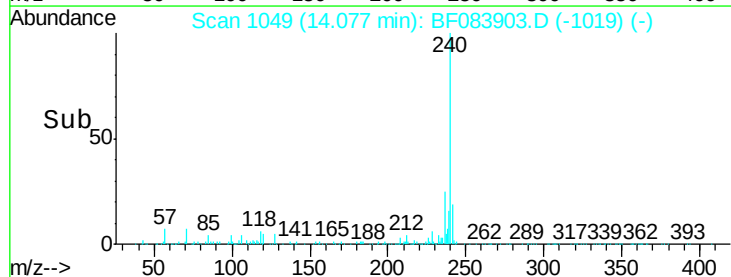
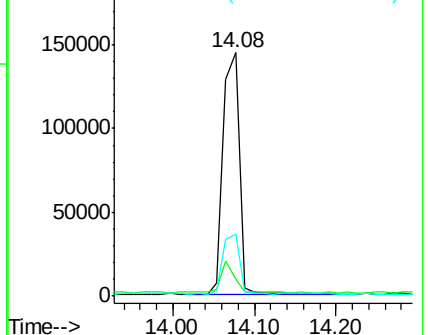
236 25.6 20.6 31.0

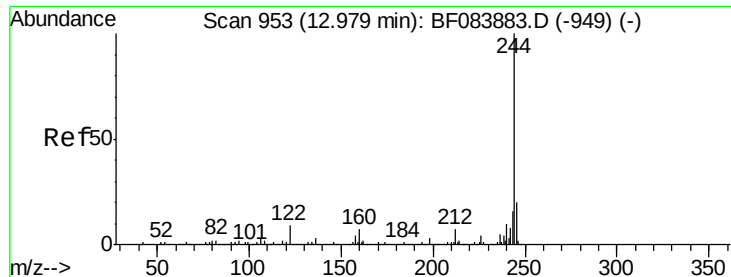


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 31.66 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.03 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

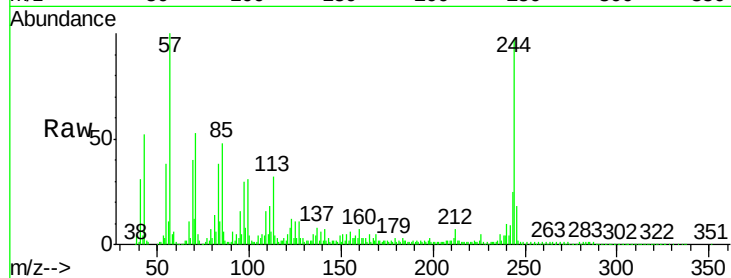
Tot Ion:244 Resp: 302355

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

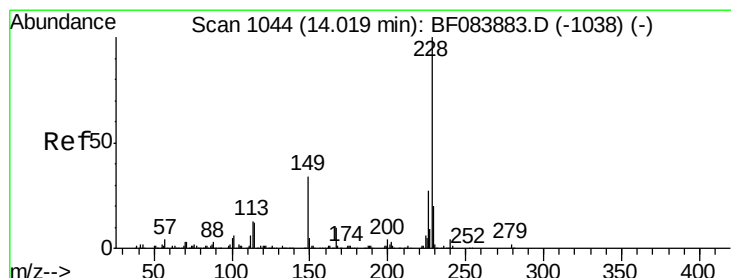
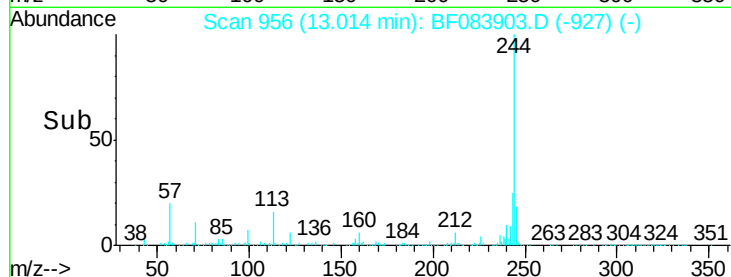
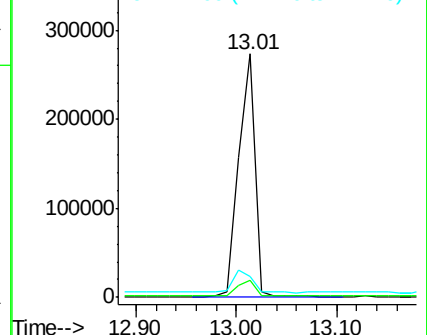
122 8.4 7.4 11.0



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: 3.30 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

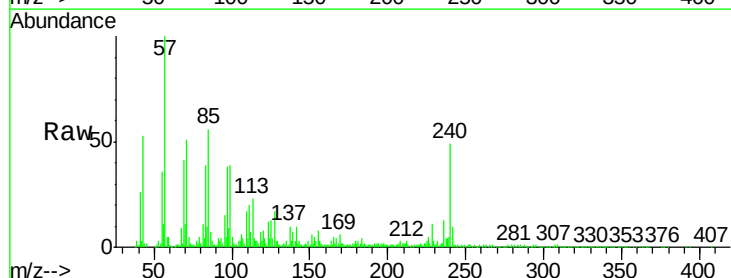
Tgt Ion:228 Resp: 40272

Ion Ratio Lower Upper

228 100

226 45.8 21.8 32.6#

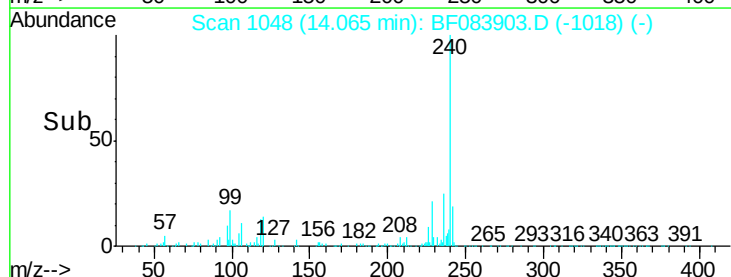
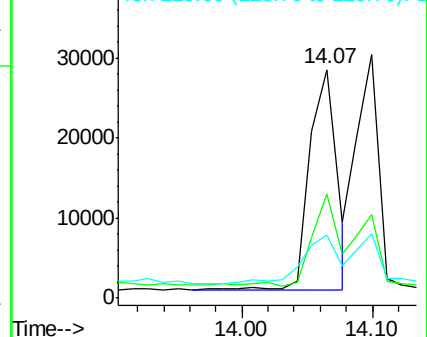
229 27.6 15.8 23.8#

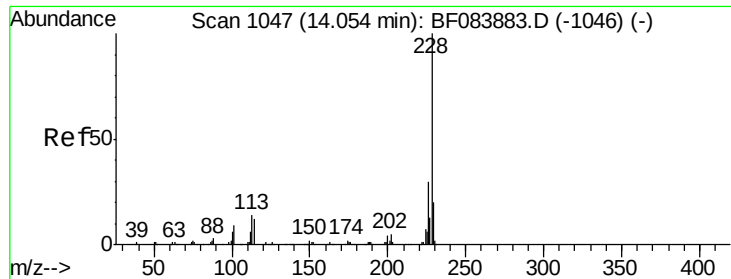


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

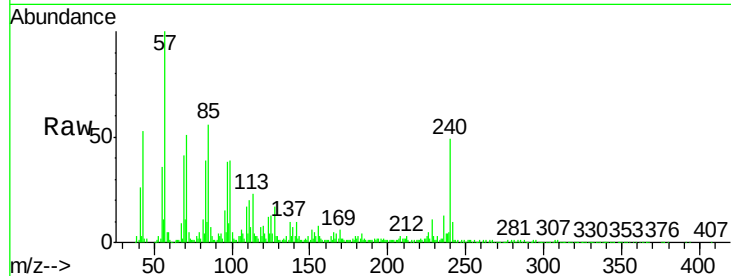




#82
Chrysene
Concen: 3.41 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.8	24.3	36.5#
229	27.6	16.1	24.1#

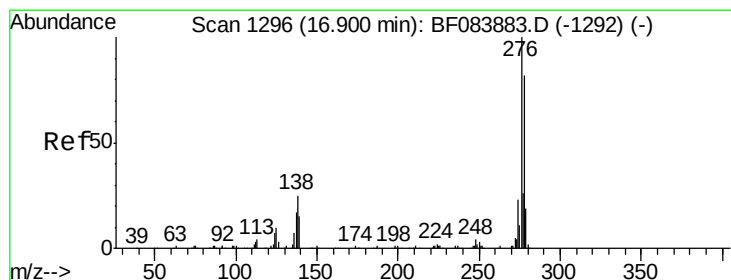
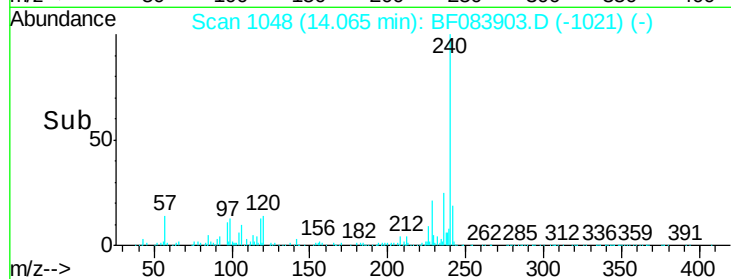
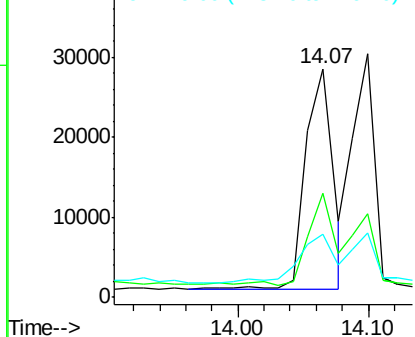


Abundance

Ion 228.00 (227.70 to 228.70): E

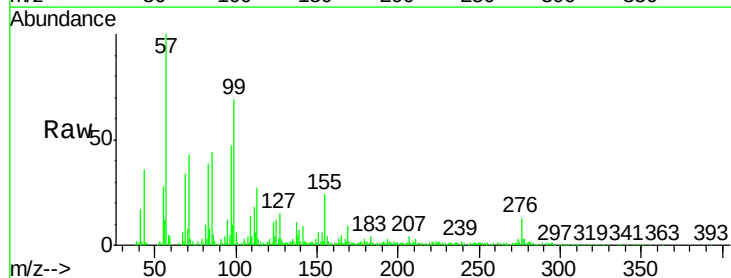
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.15 ng
RT: 16.98 min Scan# 1303
Delta R.T. 0.08 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.5	20.6	30.8
277	24.0	20.1	30.1

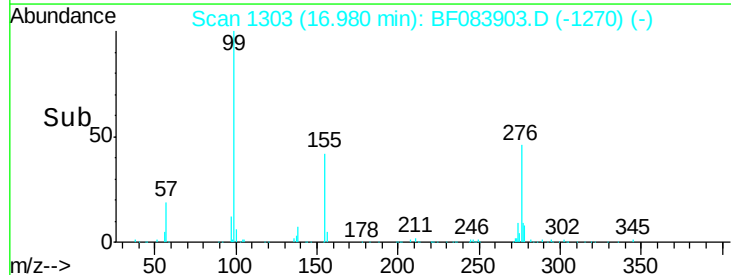
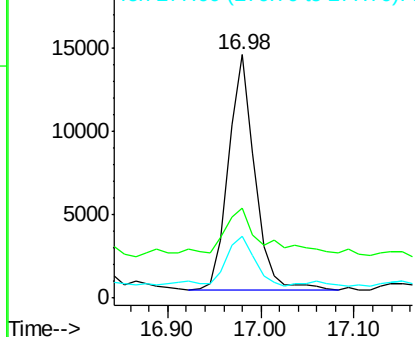


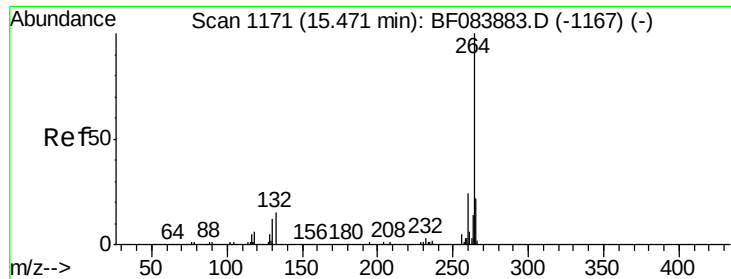
Abundance

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

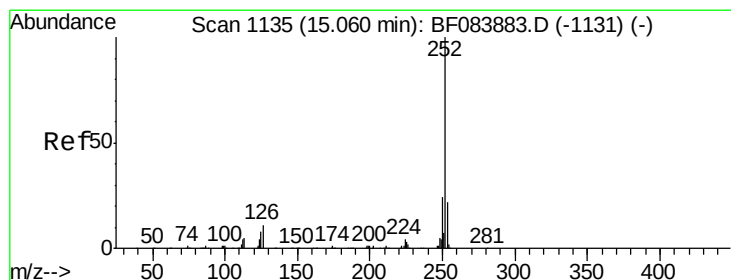
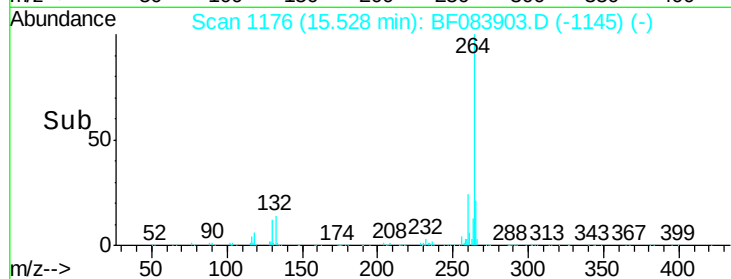
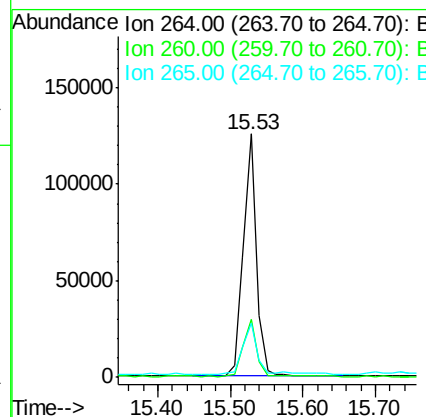
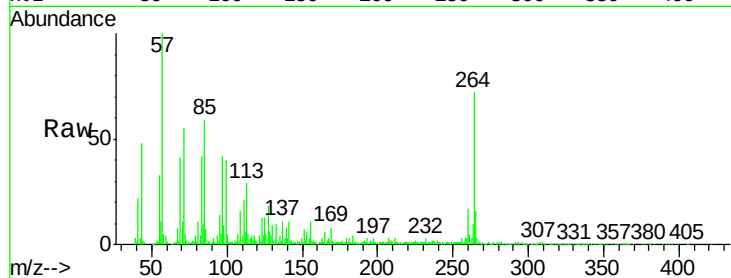




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. 0.06 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

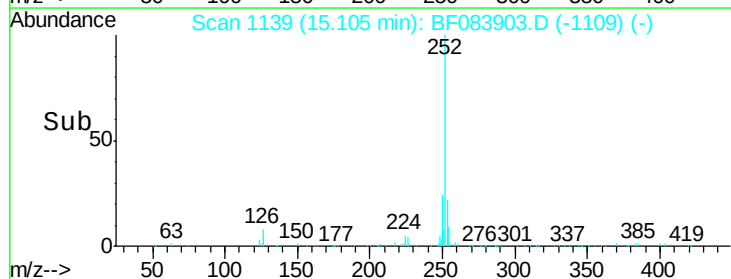
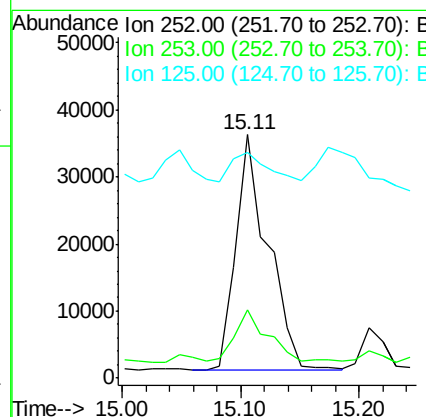
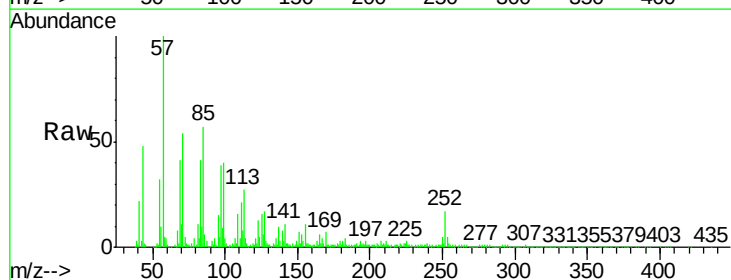
Instrument :
BNA_F
ClientSampleId :

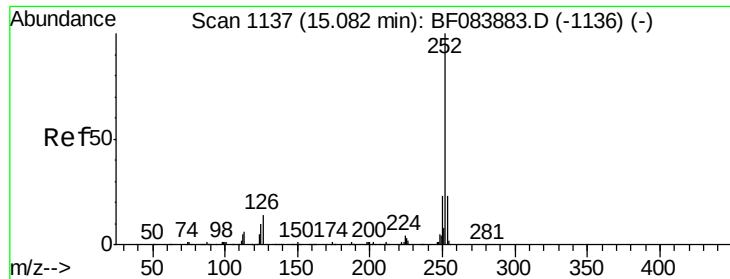
Tot Ion:264 Resp: 158219
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.0 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.75 ng
RT: 15.11 min Scan# 1139
Delta R.T. 0.05 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Tgt Ion:252 Resp: 66290
Ion Ratio Lower Upper
252 100
253 27.9 17.3 25.9#
125 92.9 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 6.97 ng

RT: 15.11 min Scan# 1139

Delta R.T. 0.02 min

Lab File: BF083903.D

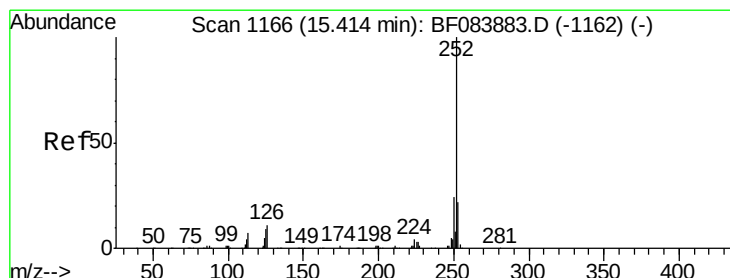
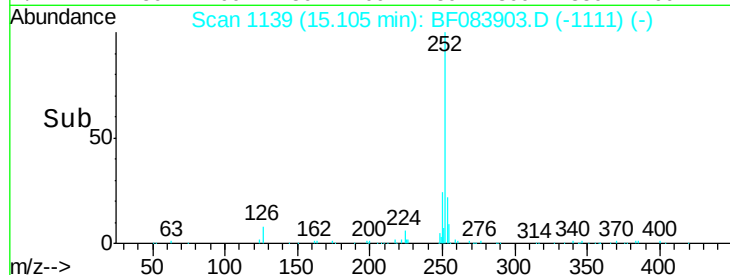
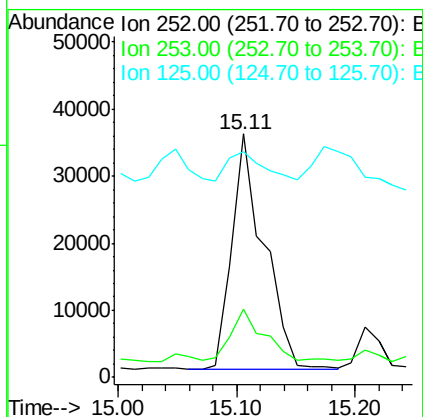
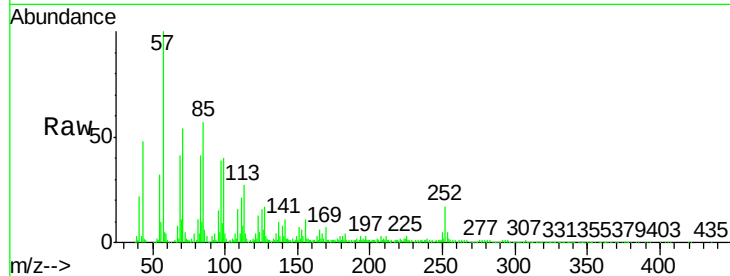
Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	66290
Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.1	27.1#
125	92.9	9.0	13.6#



#89

Benzo(a)pyrene

Concen: 3.81 ng

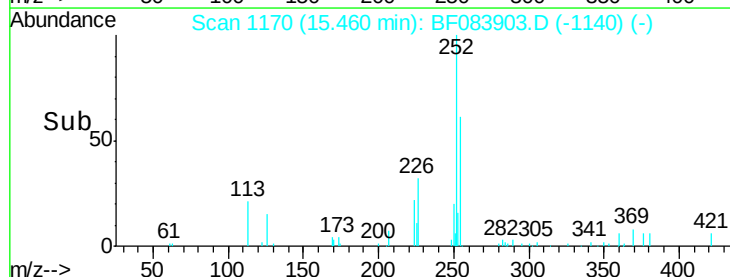
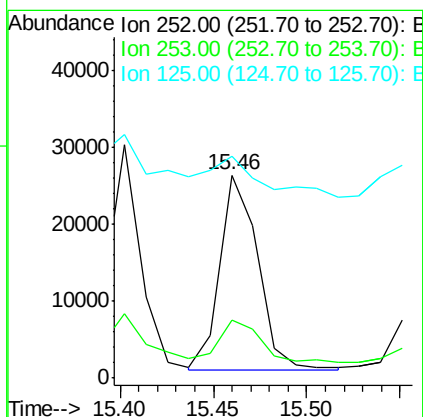
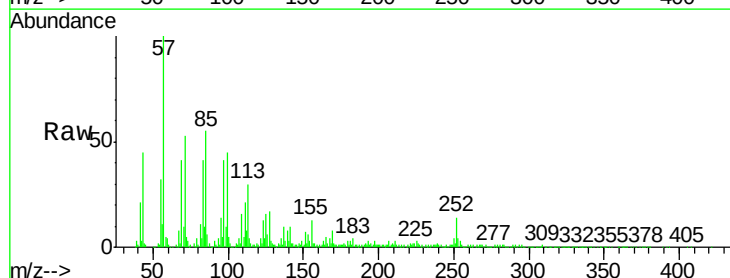
RT: 15.46 min Scan# 1170

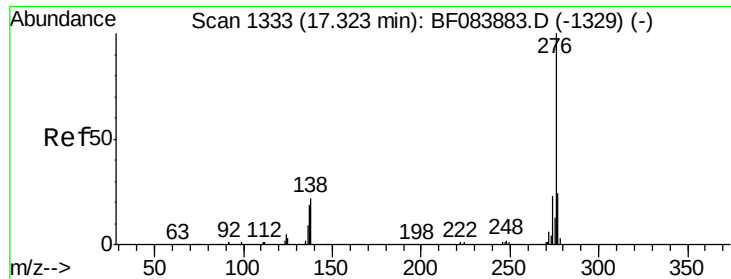
Delta R.T. 0.05 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion:	252	Resp:	36267
Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.3	25.9#
125	109.4	7.0	10.4#





#91
 Benzo(a,h,i)perylene
 Concen: 6.35 ng
 RT: 17.41 min Scan# 1341
 Delta R.T. 0.09 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	30.7	17.8	26.6

