

Data Path : Z:\HPCHEM1\BNA_F\Data\BF121815\
 Data File : BF083900.D
 Acq On : 18 Dec 2015 6:40
 Operator : UM/SJ
 Sample : G4759-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K210-0-2

Quant Time: Dec 18 07:22:46 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	6.88	152	73793	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	261730	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	119530	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	147638	20.00	ng	0.02
75) Chrysene-d12	14.08	240	111180	20.00	ng	0.05
86) Perylene-d12	15.54	264	95576	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	356903	75.69	ng	0.01
7) Phenol-d6	6.52	99	427230	74.02	ng	0.01
23) Nitrobenzene-d5	7.44	82	240758	52.50	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	86209	65.47	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	519627	58.05	ng	0.00
78) Terphenyl-d14	13.01	244	251041	50.23	ng	0.03

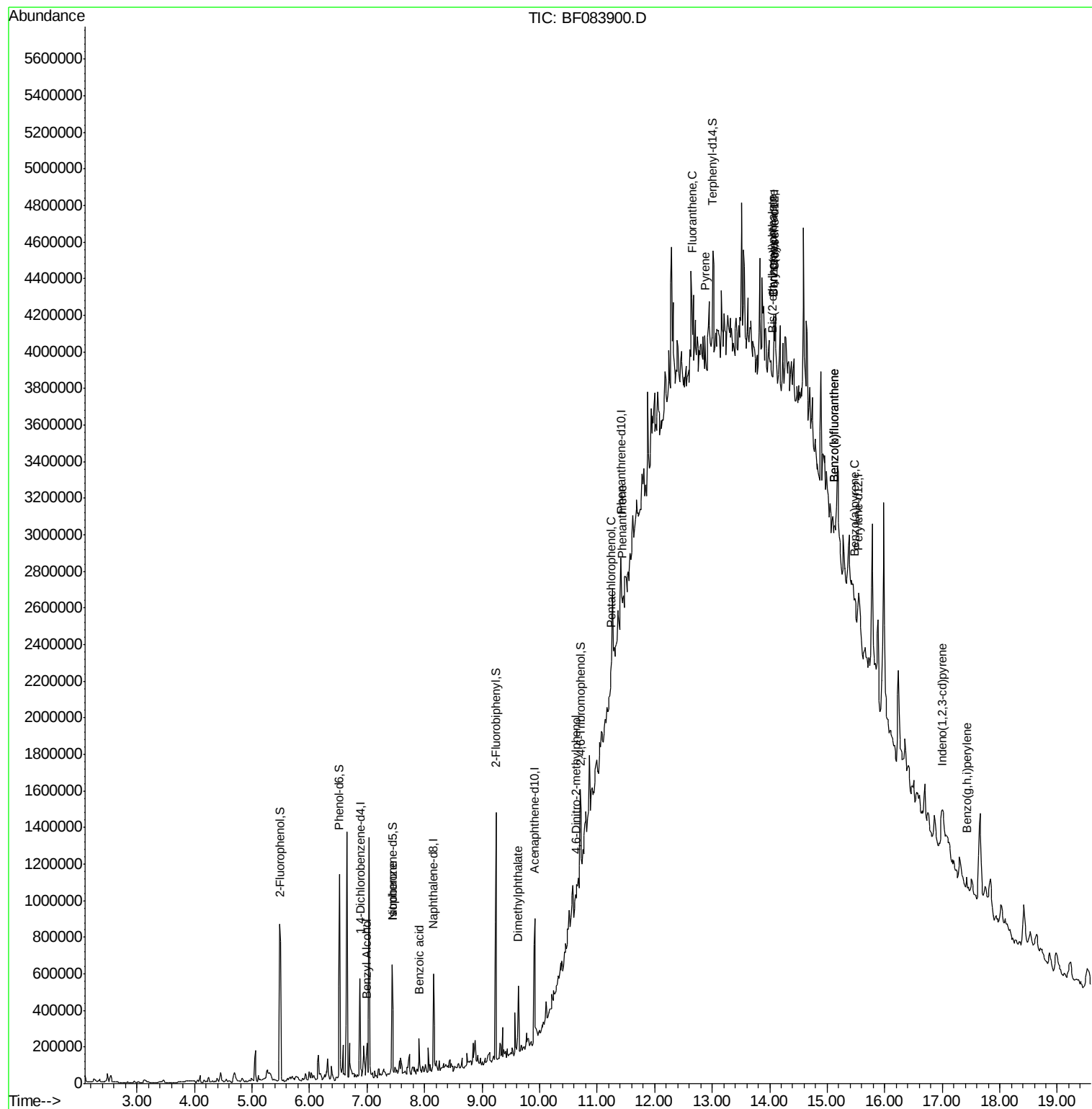
Target Compounds						Qvalue
15) Benzyl Alcohol	7.00	79	11960	2.74	ng	# 54
25) Isophorone	7.44	82	224019	25.96	ng	# 66
31) Naphthalene	8.18	128	18345	Below	Cal	95
32) Benzoic acid	7.90	122	2965	4.08	ng	# 1
36) 4-Chloro-3-methylphenol	8.74	107	1735	Below	Cal	# 40
45) 1,1'-Biphenyl	9.33	154	4420	Below	Cal	93
46) 2-Chloronaphthalene	9.36	162	722	Below	Cal	# 1
49) Dimethylphthalate	9.63	163	126223	12.58	ng	99
57) Fluorene	10.46	166	2457	Below	Cal	# 16
64) 4,6-Dinitro-2-methylphenol	10.64	198	424	4.36	ng	# 1
69) Pentachlorophenol	11.24	266	226	4.98	ng	# 10
70) Phenanthrene	11.44	178	24858	2.79	ng	# 69
74) Fluoranthene	12.65	202	33652	3.78	ng	63
77) Pyrene	12.88	202	49320	3.96	ng	# 89
80) Benzo(a)anthracene	14.07	228	32177	4.71	ng	# 73
82) Chrysene	14.07	228	32177	4.87	ng	# 78
83) Bis(2-ethylhexyl)phthalate	14.05	149	11759	2.38	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.99	276	29207	5.91	ng	97
87) Benzo(b)fluoranthene	15.12	252	59334	8.52	ng	# 1
88) Benzo(k)fluoranthene	15.12	252	59334	10.32	ng	# 1
89) Benzo(a)pyrene	15.47	252	33673	5.85	ng	# 1
91) Benzo(g,h,i)perylene	17.43	276	56176	12.80	ng	# 89

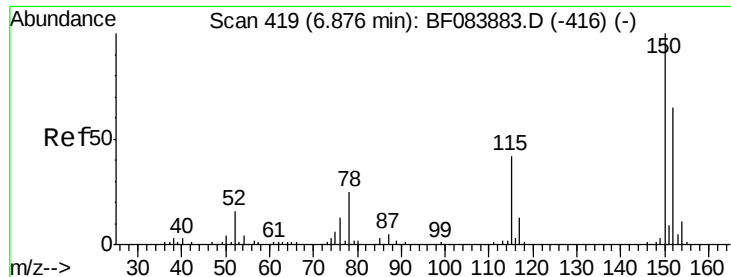
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

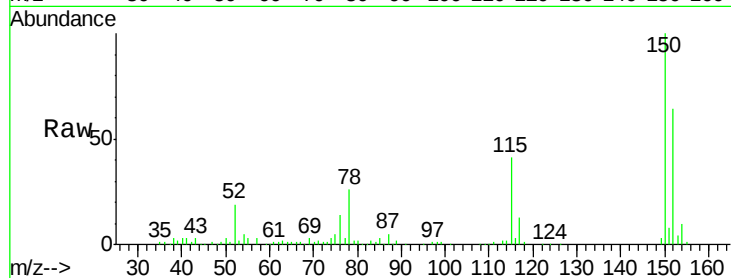
Tgt Ion:152 Resp: 73793

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

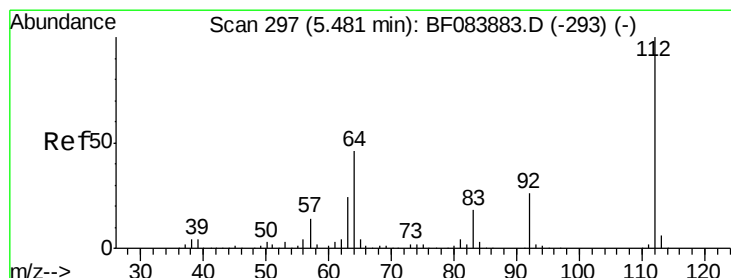
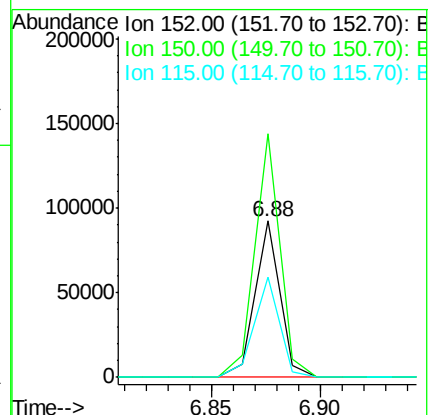
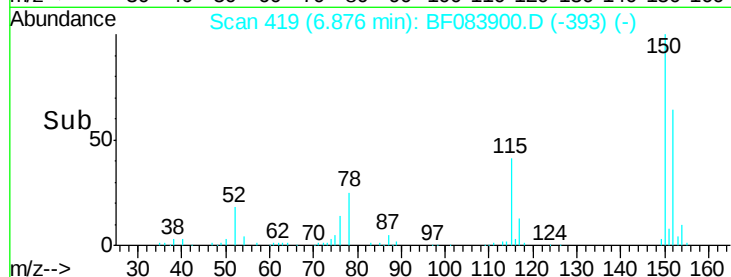
115 64.5 51.4 77.2



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: 75.69 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

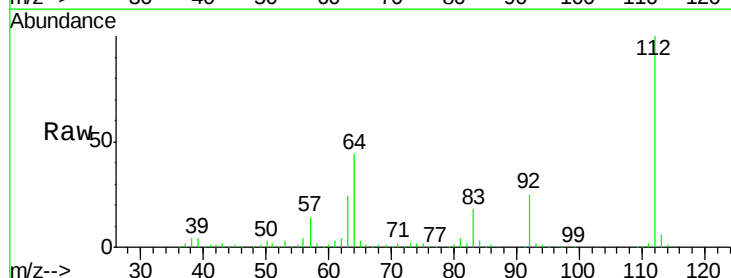
Tgt Ion:112 Resp: 356903

Ion Ratio Lower Upper

112 100

64 44.1 36.6 55.0

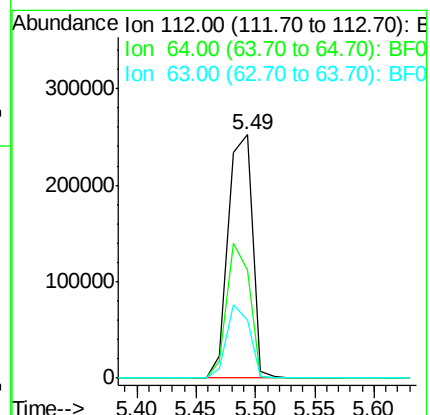
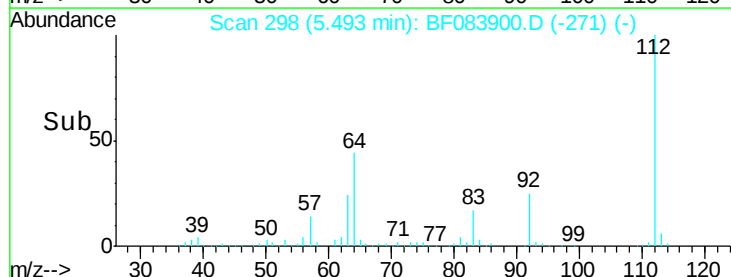
63 24.1 19.4 29.0

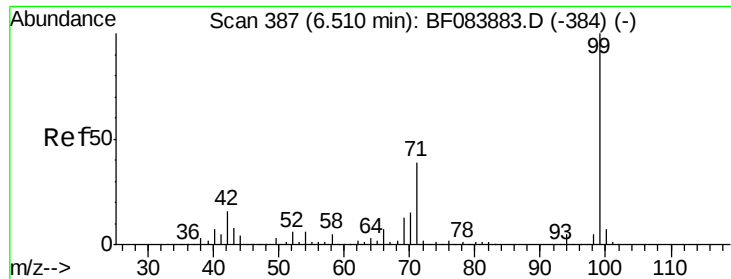


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.02 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

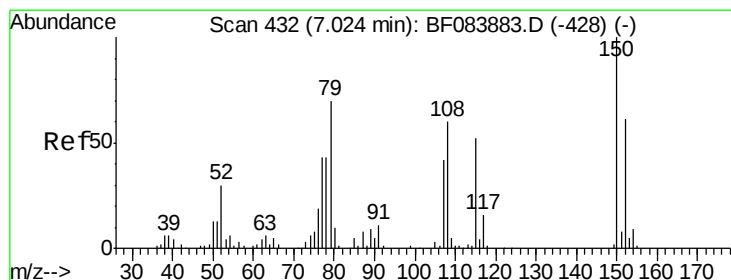
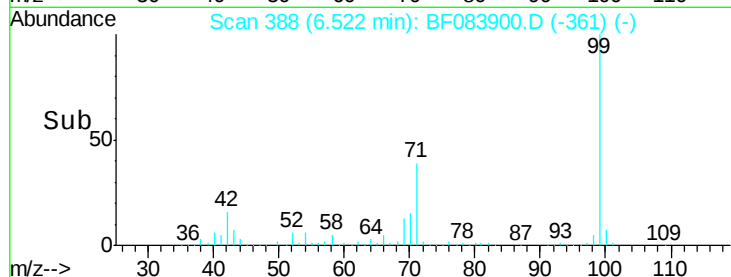
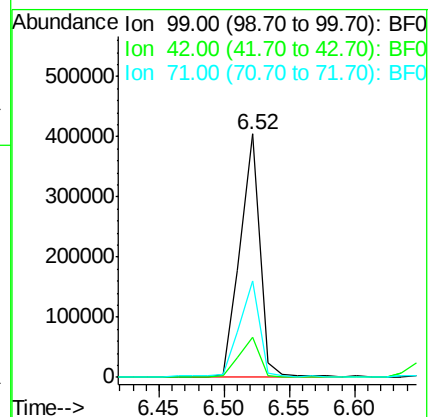
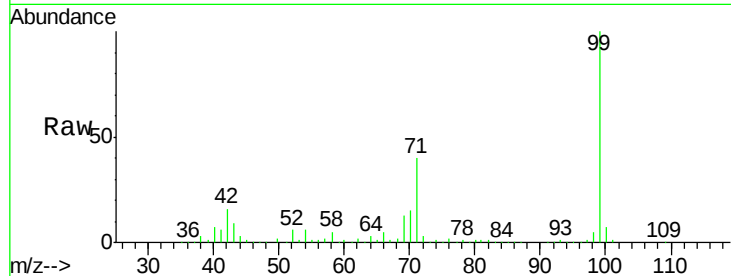
Tgt Ion: 99 Resp: 427230

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

71 39.8 30.9 46.3



#15

Benzyl Alcohol

Concen: 2.74 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

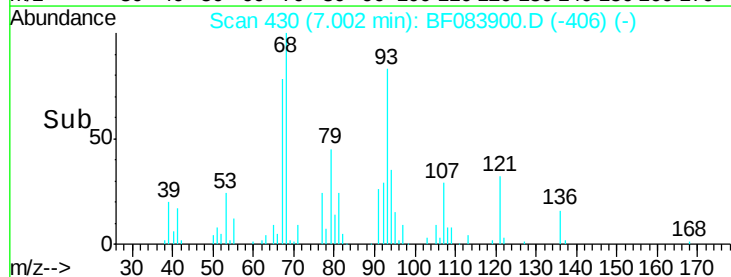
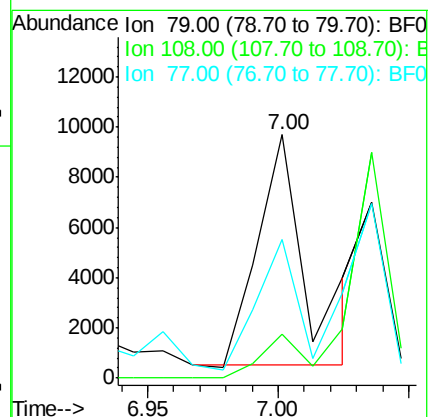
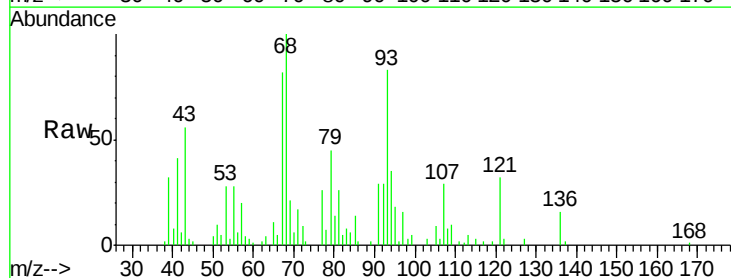
Tgt Ion: 79 Resp: 11960

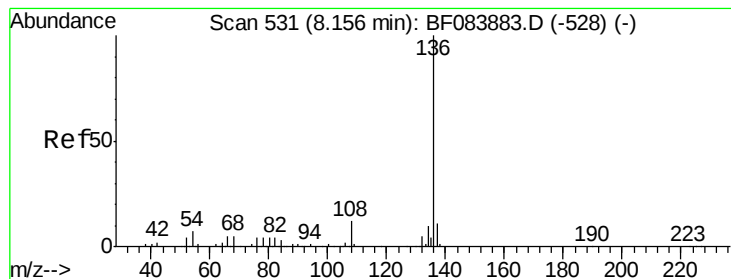
Ion Ratio Lower Upper

79 100

108 18.3 69.0 103.4#

77 56.9 50.0 75.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

Tgt Ion: 136 Resp: 261730

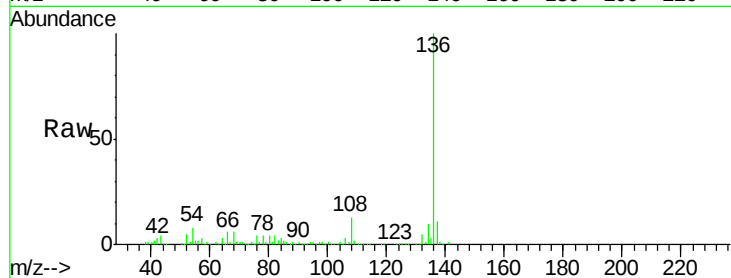
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.9 5.8 8.8

68 5.8 4.2 6.2

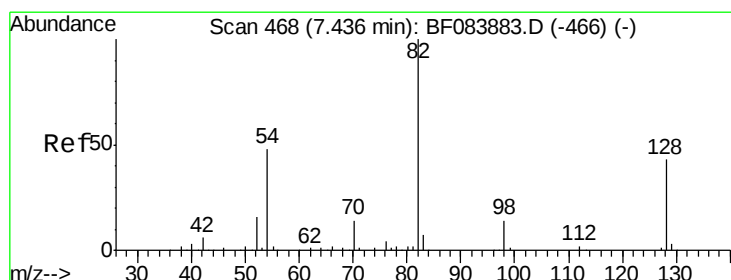
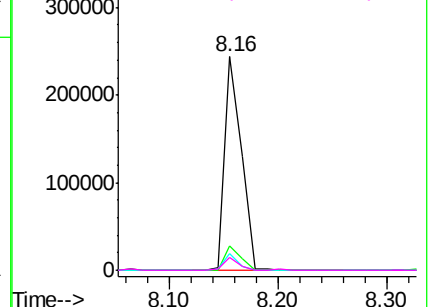
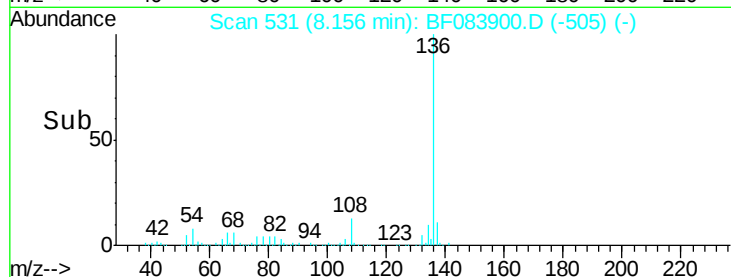


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 52.50 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

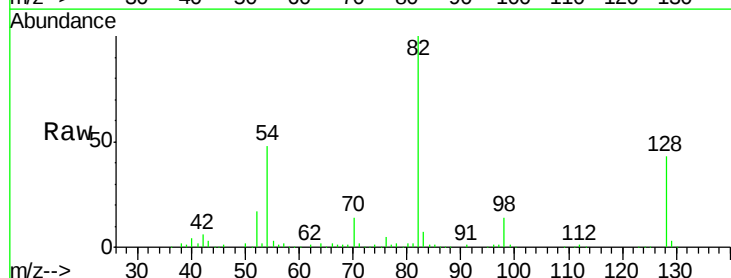
Tgt Ion: 82 Resp: 240758

Ion Ratio Lower Upper

82 100

128 42.7 34.6 51.8

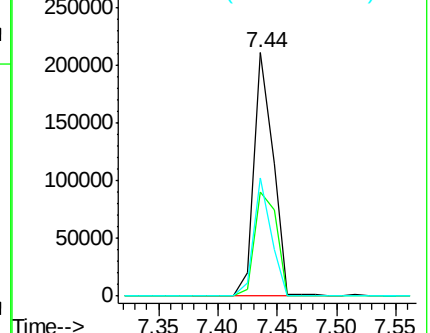
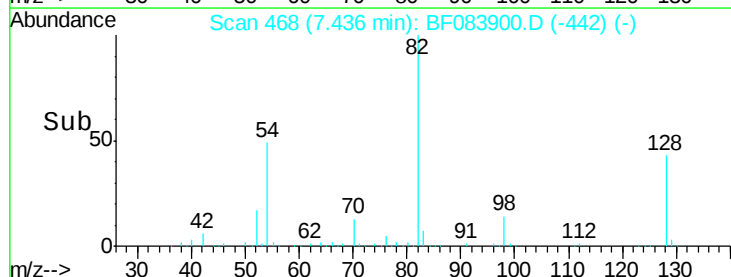
54 48.5 38.4 57.6

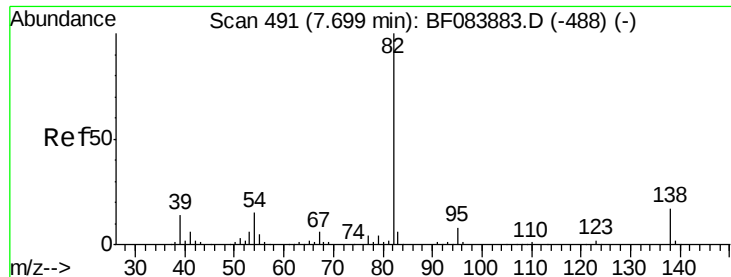


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.96 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

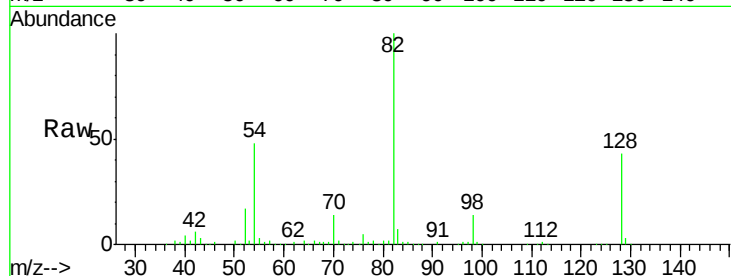
Tgt Ion: 82 Resp: 224019

Ion Ratio Lower Upper

82 100

95 0.3 6.6 10.0#

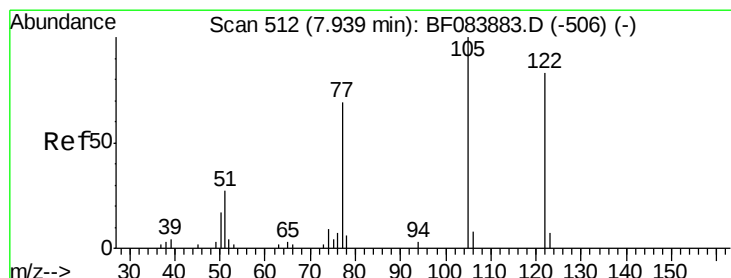
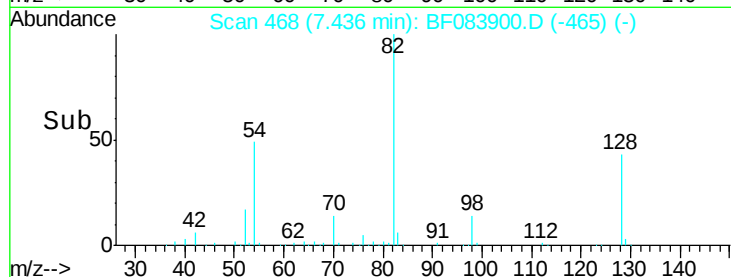
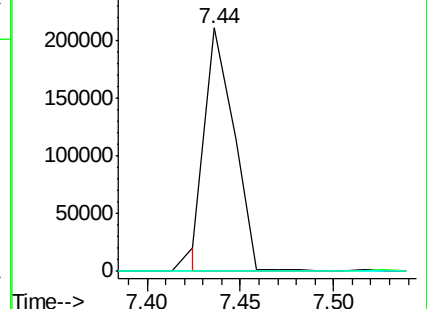
138 0.0 13.6 20.4#



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): BF0



#32

Benzoic acid

Concen: 4.08 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

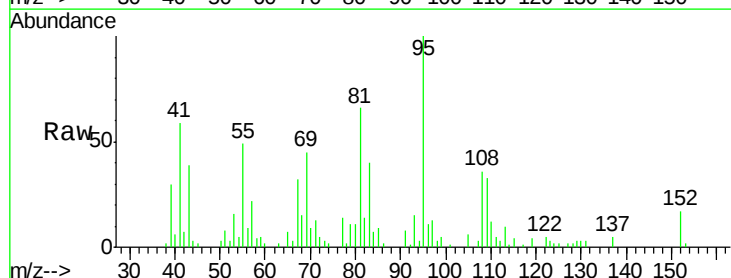
Tgt Ion: 122 Resp: 2965

Ion Ratio Lower Upper

122 100

105 131.0 100.3 140.3

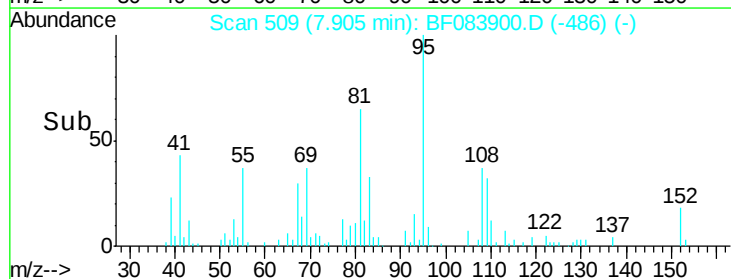
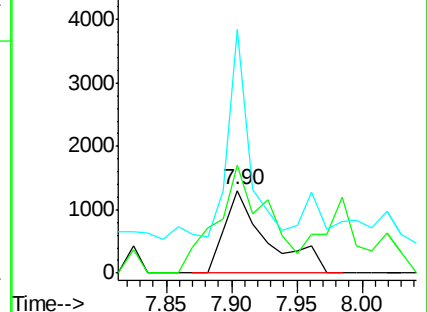
77 294.5 63.5 103.5#

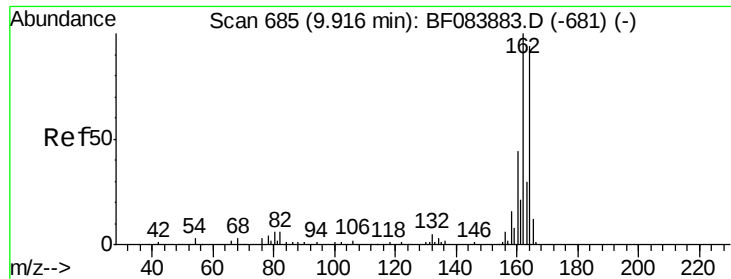


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

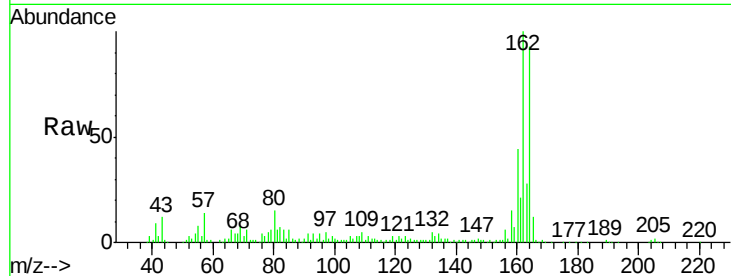
Tgt Ion:164 Resp: 119530

Ion Ratio Lower Upper

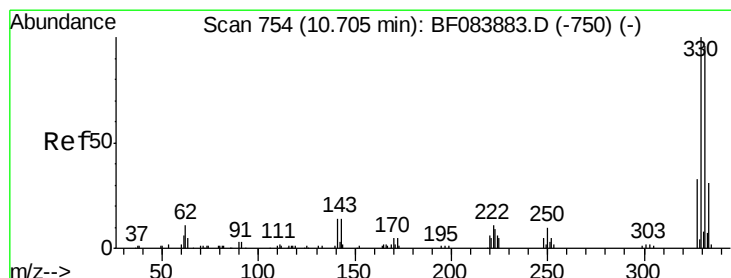
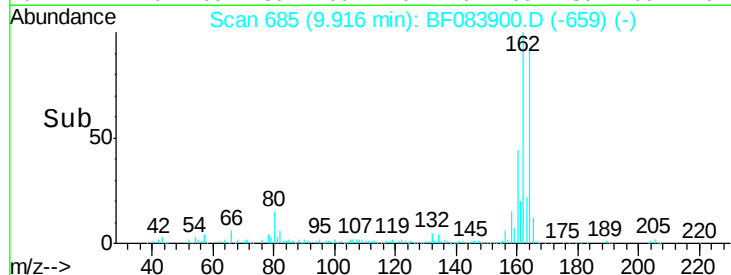
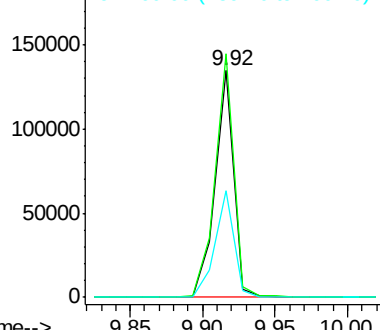
164 100

162 107.5 85.1 127.7

160 47.2 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: 65.47 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

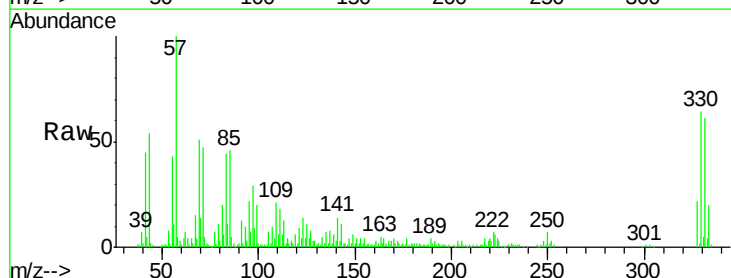
Tgt Ion:330 Resp: 86209

Ion Ratio Lower Upper

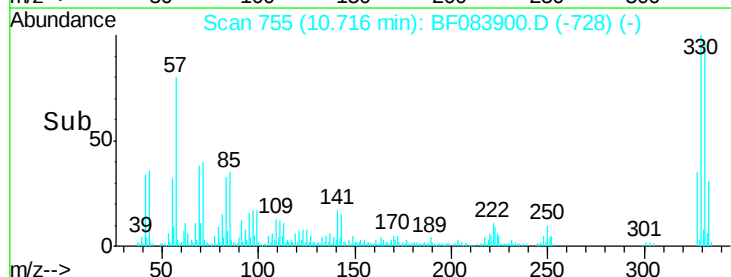
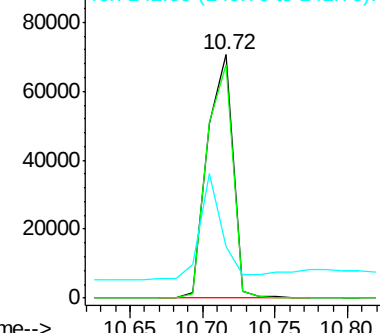
330 100

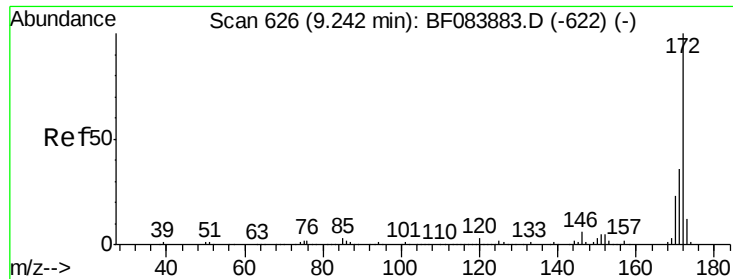
332 97.6 76.6 114.8

141 38.4 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

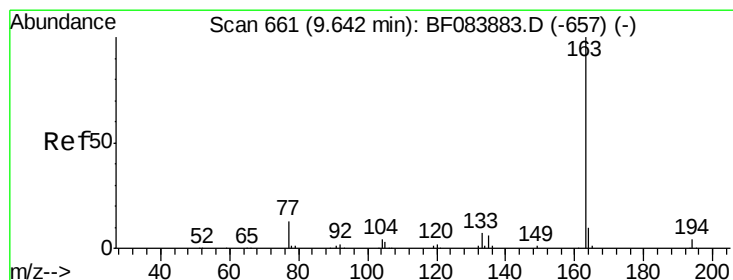
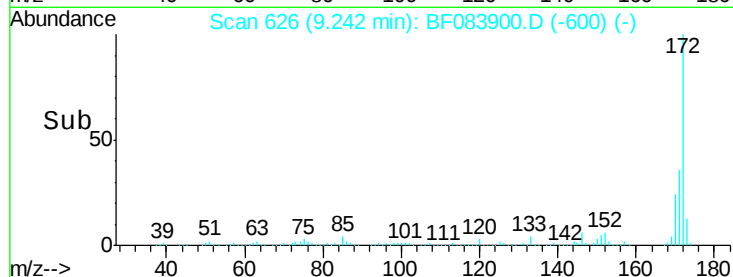
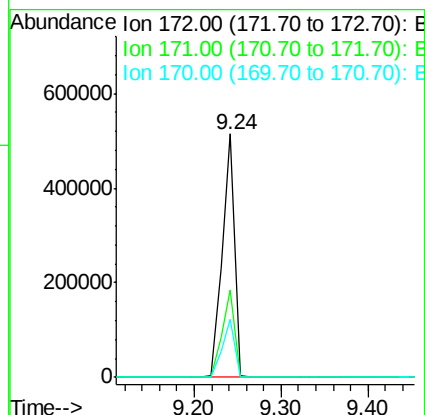
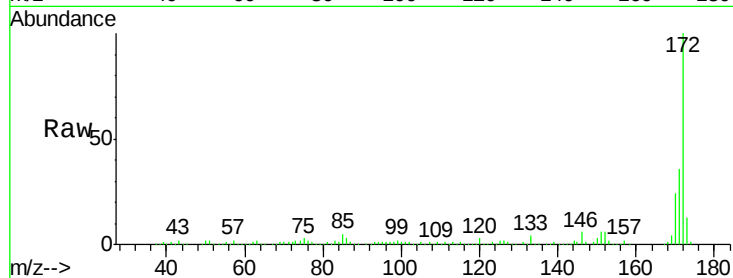




#44
 2-Fluorobiphenyl
 Concen: 58.05 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083900.D
 Acq: 18 Dec 2015 6:40

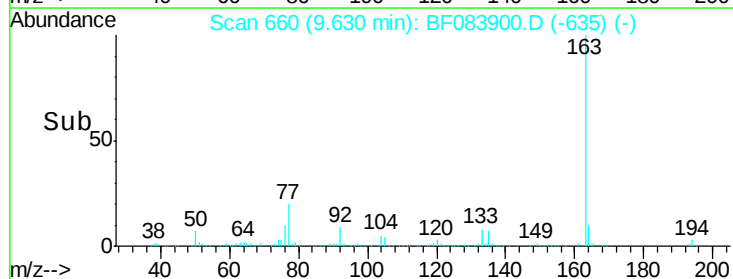
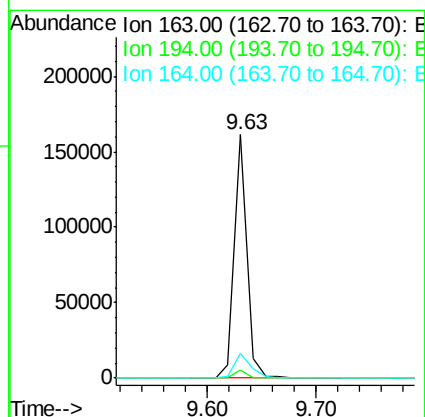
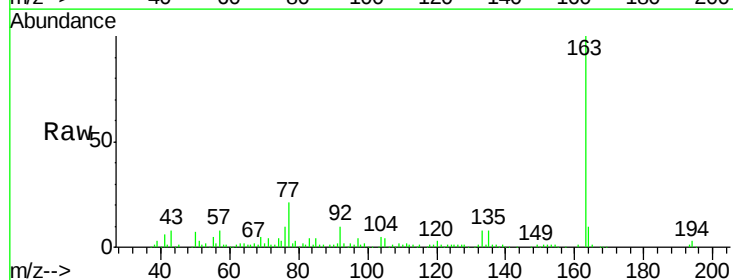
Instrument :
 BNA_F
 ClientSampleId :
 K210-0-2

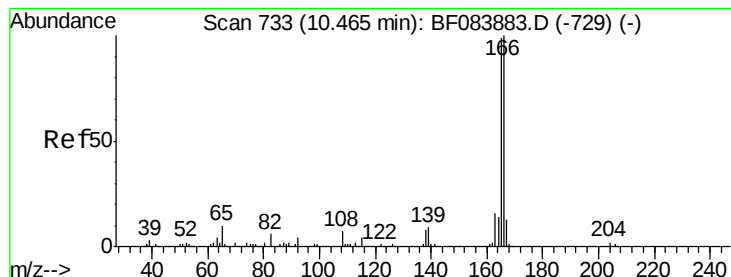
Tgt Ion:172 Resp: 519627
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.6 18.6 27.8



#49
 Dimethylphthalate
 Concen: 12.58 ng
 RT: 9.63 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: BF083900.D
 Acq: 18 Dec 2015 6:40

Tgt Ion:163 Resp: 126223
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.6
 164 10.0 7.9 11.9





#57

Fluorene

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampled :

K210-0-2

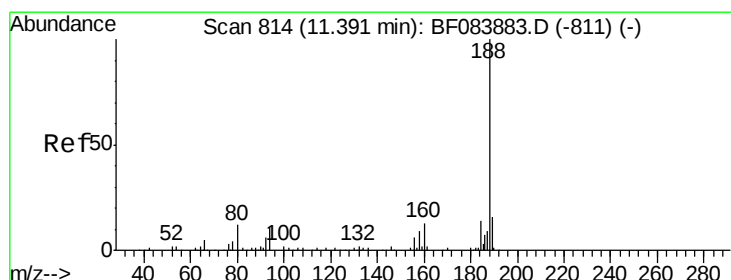
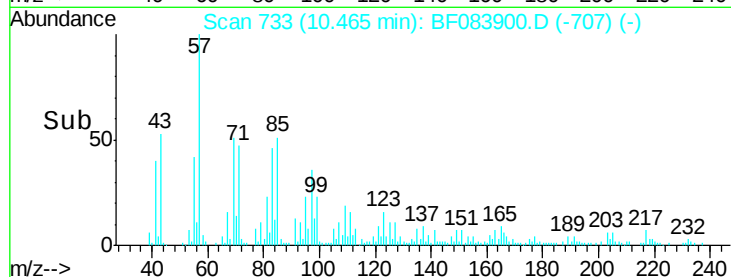
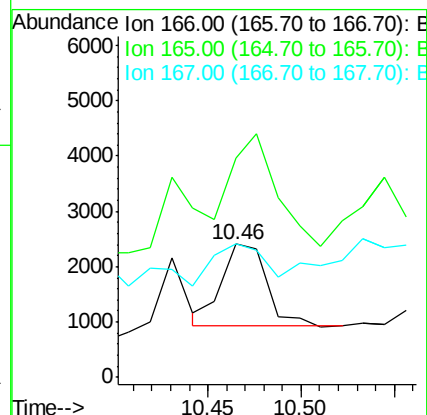
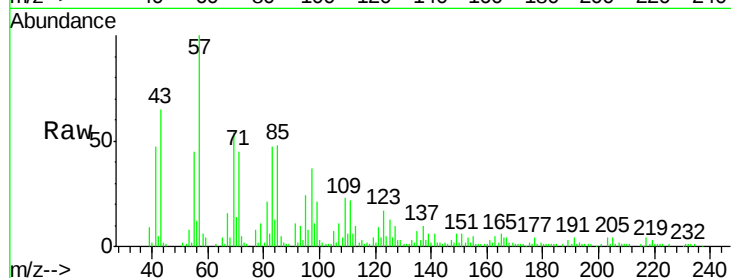
Tgt Ion:166 Resp: 2457

Ion Ratio Lower Upper

166 100

165 165.1 79.1 118.7#

167 100.1 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: BF083900.D

Acq: 18 Dec 2015 6:40

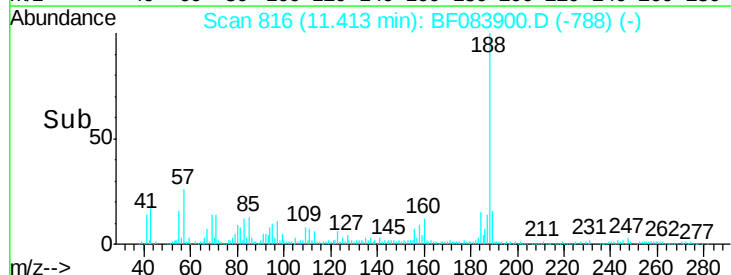
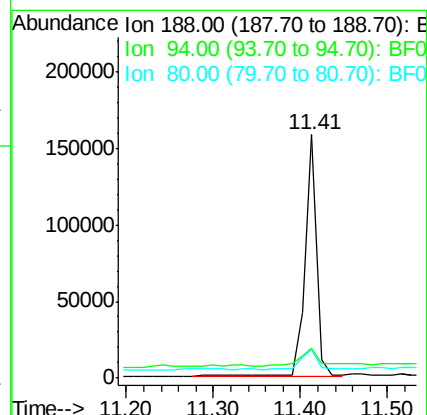
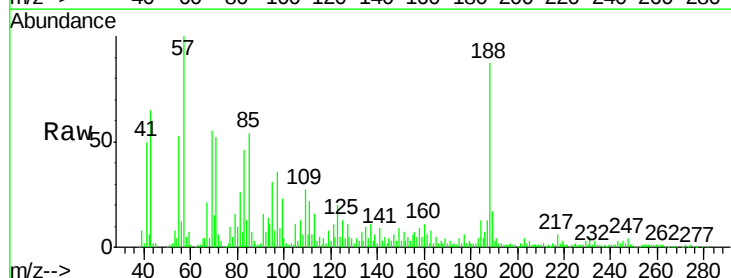
Tgt Ion:188 Resp: 147638

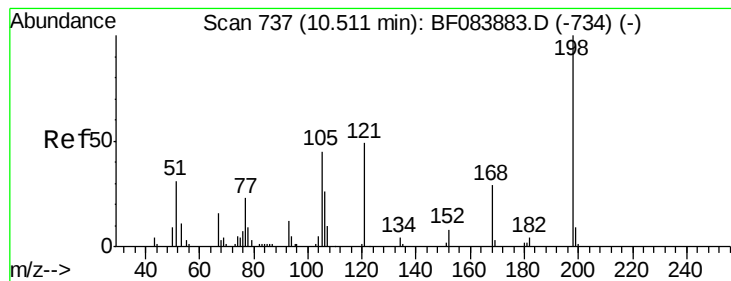
Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.4

80 11.9 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 4.36 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.13 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

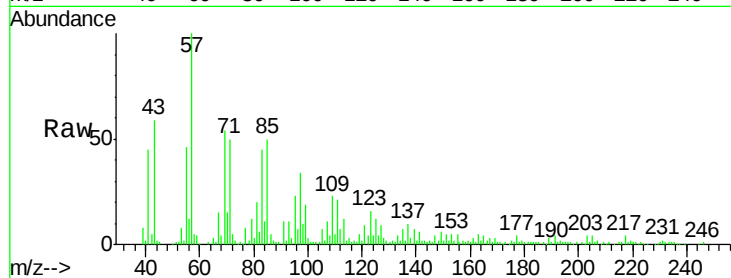
Tgt Ion:198 Resp: 424

Ion Ratio Lower Upper

198 100

51 365.0 18.9 58.9#

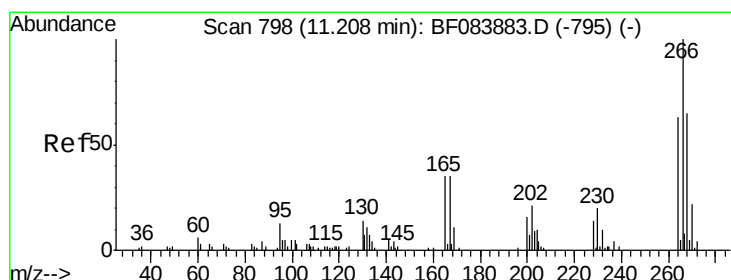
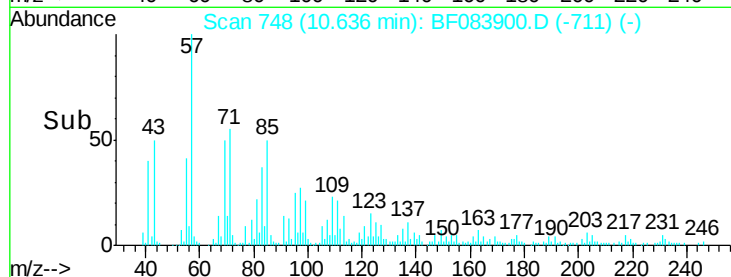
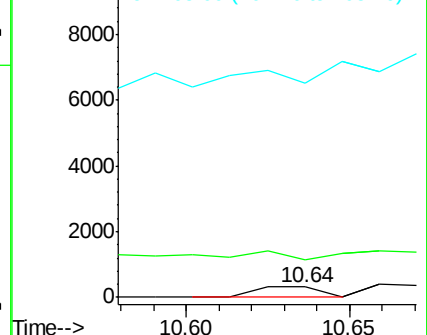
105 2095.2 26.4 66.4#



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: 4.98 ng

RT: 11.24 min Scan# 801

Delta R.T. 0.04 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

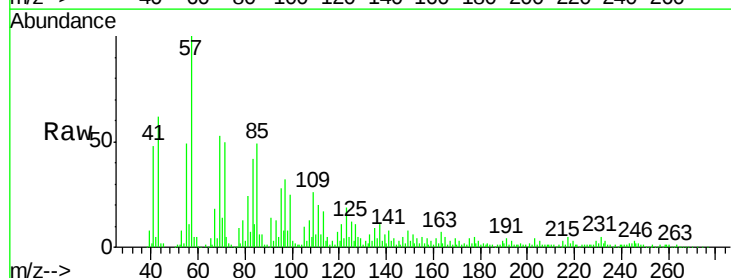
Tgt Ion:266 Resp: 226

Ion Ratio Lower Upper

266 100

268 100.9 52.4 78.6#

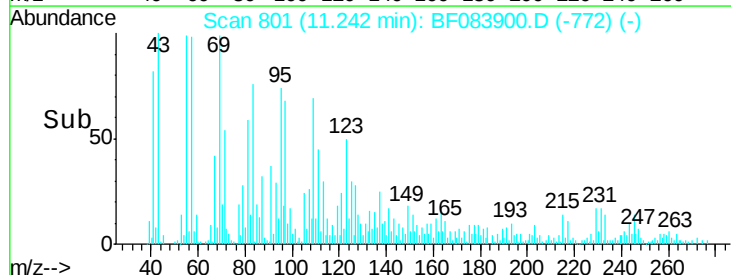
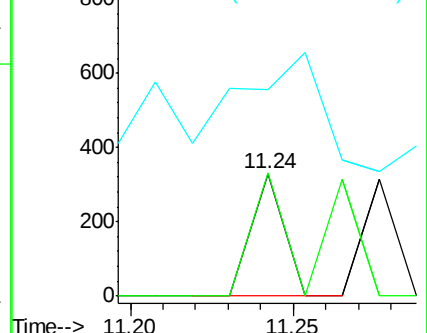
264 169.3 50.2 75.2#

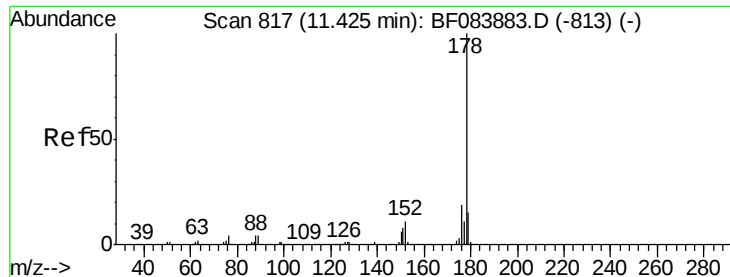


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 2.79 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

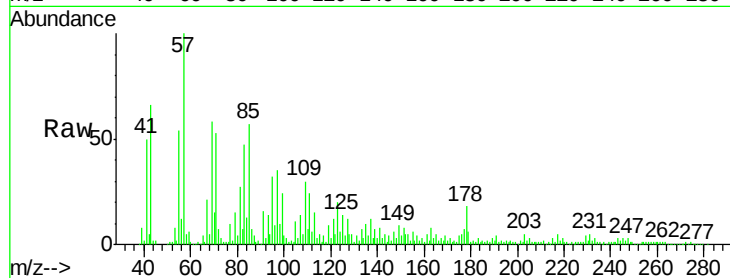
Tgt Ion:178 Resp: 24858

Ion Ratio Lower Upper

178 100

176 29.2 15.3 22.9#

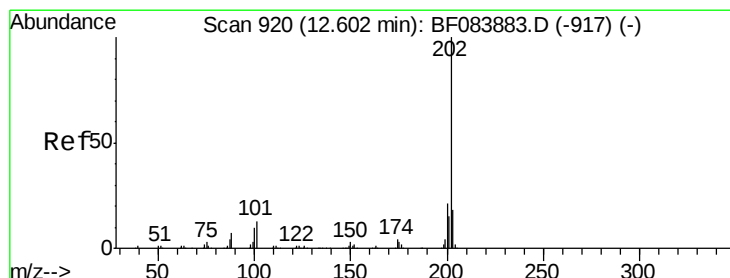
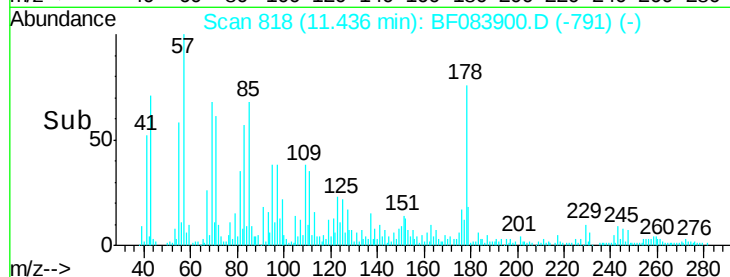
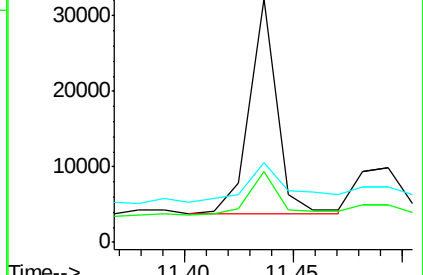
179 32.5 12.0 18.0#



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: 3.78 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

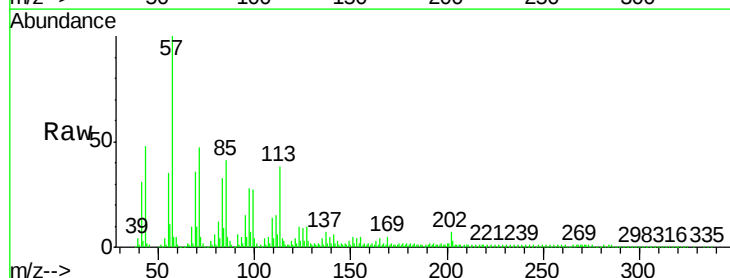
Tgt Ion:202 Resp: 33652

Ion Ratio Lower Upper

202 100

101 28.6 0.0 32.8

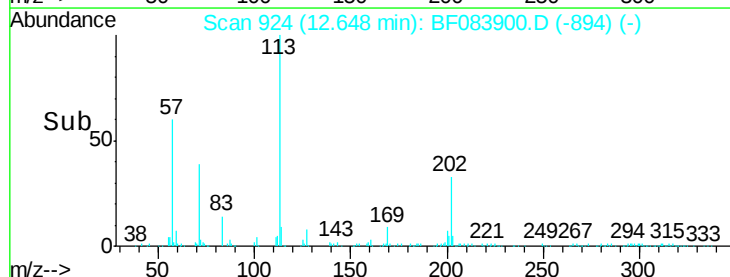
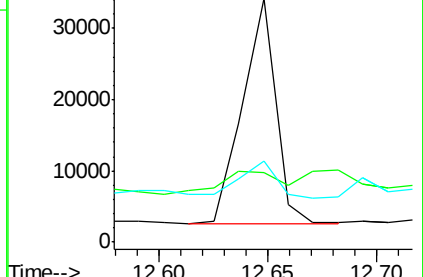
203 33.5 0.0 37.9

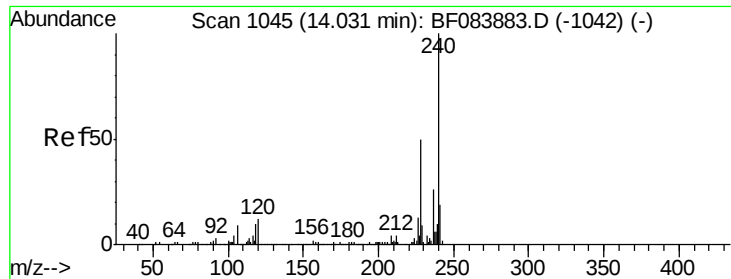


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

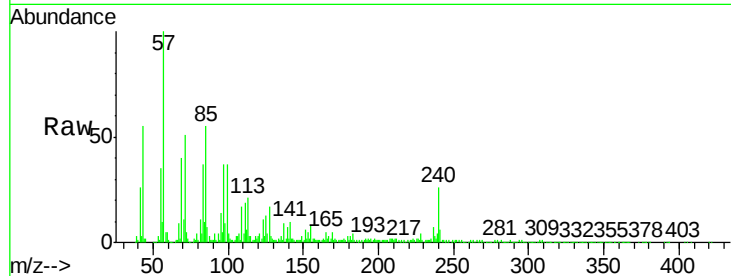
Tgt Ion:240 Resp: 111180

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

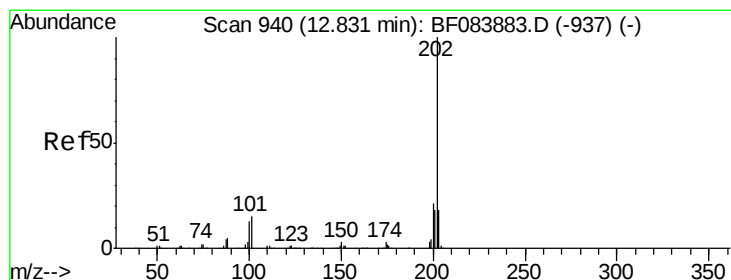
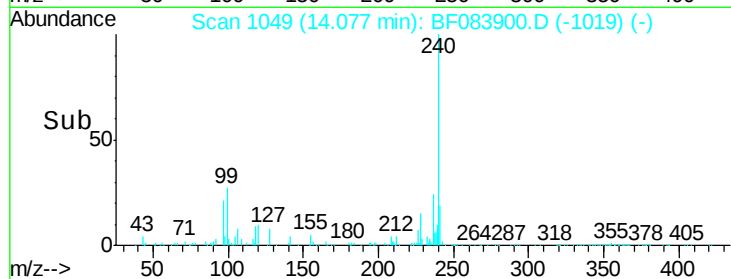
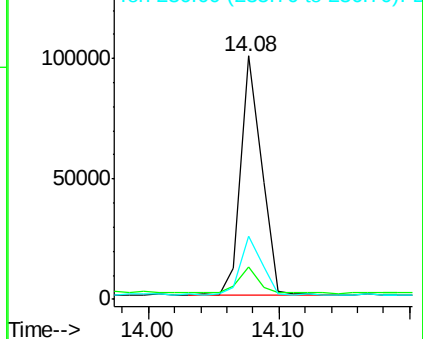
236 25.8 20.6 31.0



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



#77

Pyrene

Concen: 3.96 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

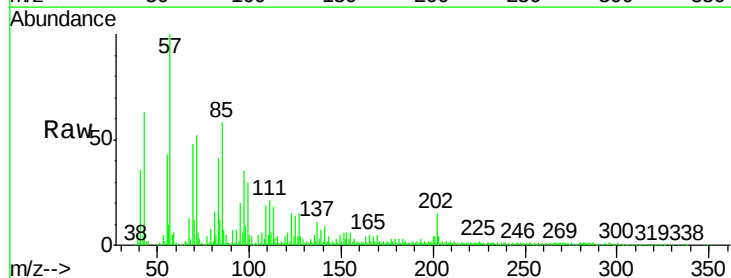
Tgt Ion:202 Resp: 49320

Ion Ratio Lower Upper

202 100

200 23.5 17.2 25.8

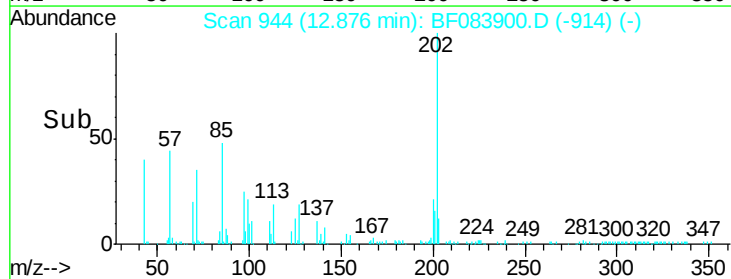
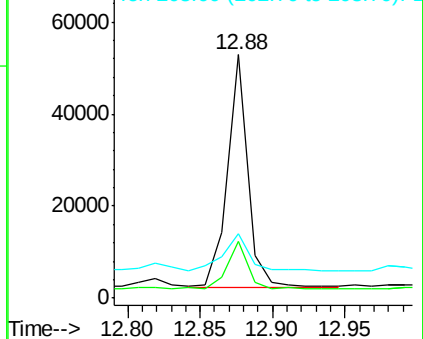
203 26.3 14.3 21.5#

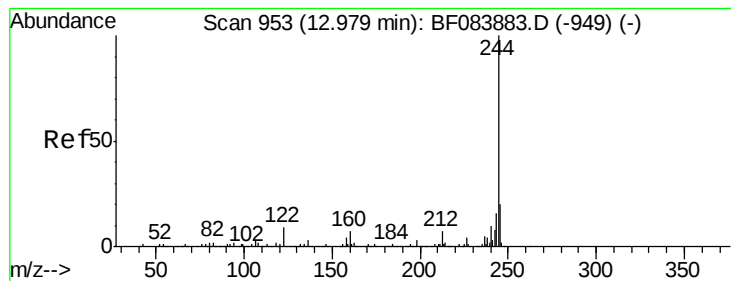


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.23 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.03 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampled :

K210-0-2

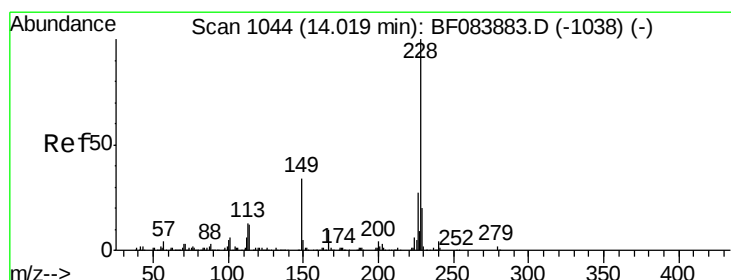
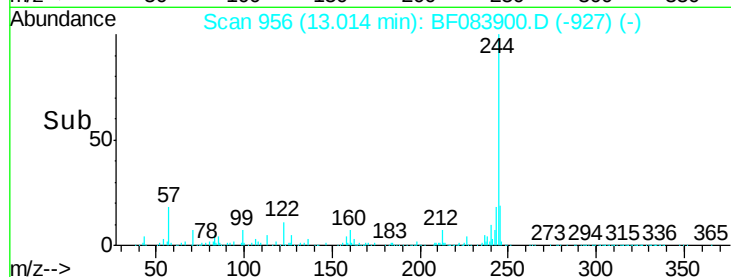
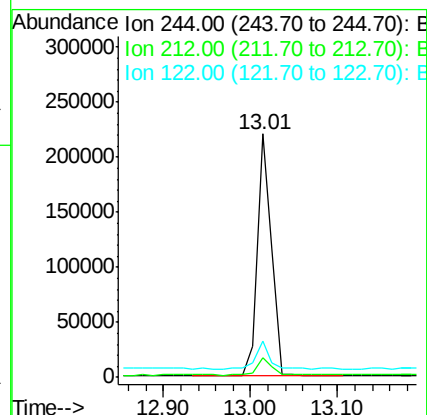
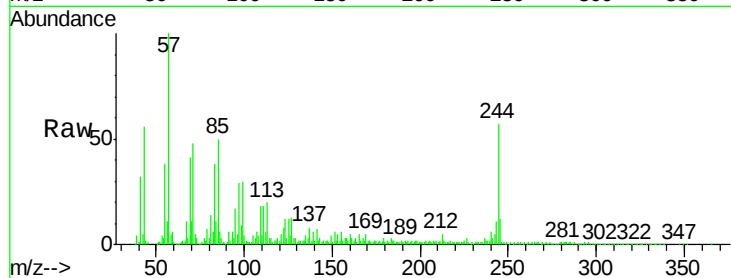
Tgt Ion:244 Resp: 251041

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

122 14.7 7.4 11.0#



#80

Benzo(a)anthracene

Concen: 4.71 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

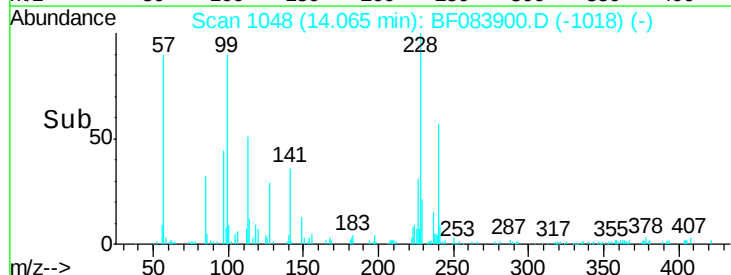
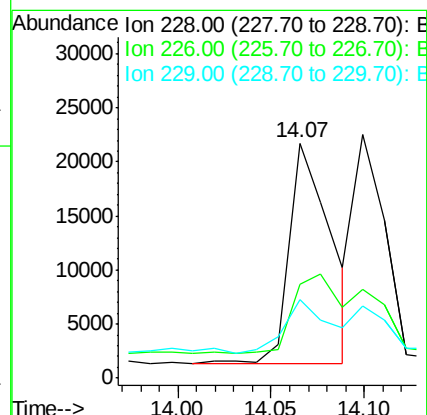
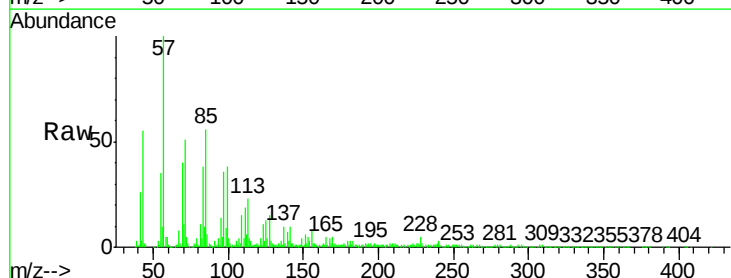
Tgt Ion:228 Resp: 32177

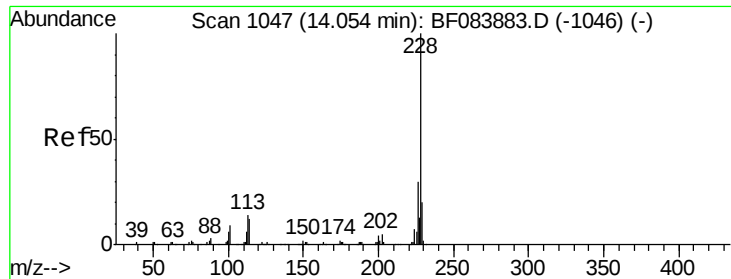
Ion Ratio Lower Upper

228 100

226 39.9 21.8 32.6#

229 33.5 15.8 23.8#





#82

Chrysene

Concen: 4.87 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :

BNA_F

ClientSampleId :

K210-0-2

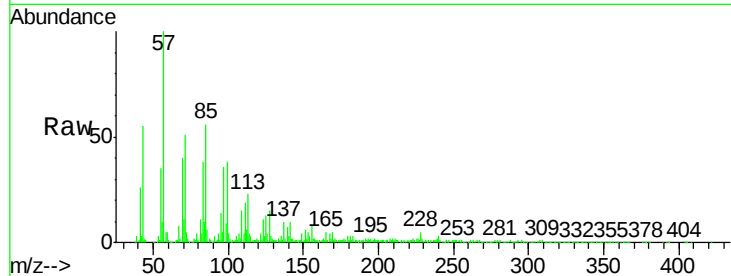
Tgt Ion:228 Resp: 32177

Ion Ratio Lower Upper

228 100

226 39.9 24.3 36.5#

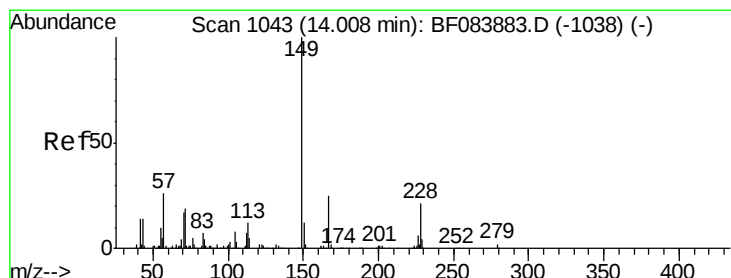
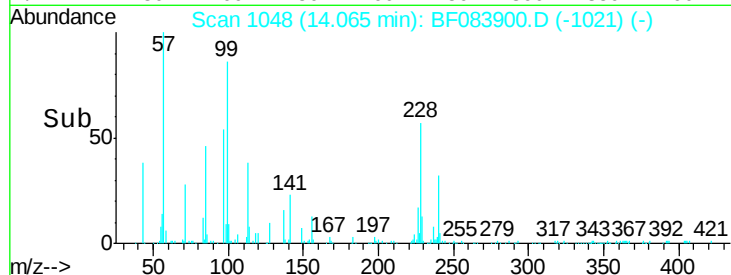
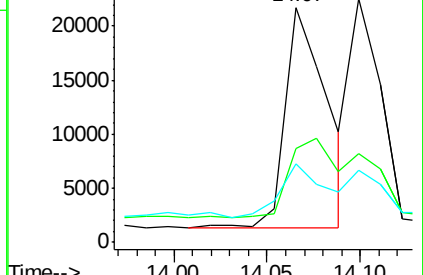
229 33.5 16.1 24.1#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.38 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.05 min

Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

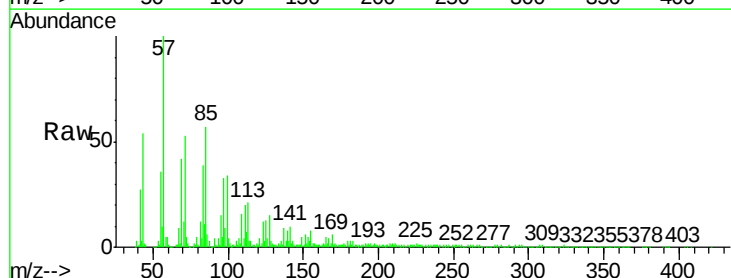
Tgt Ion:149 Resp: 11759

Ion Ratio Lower Upper

149 100

167 82.1 19.7 29.5#

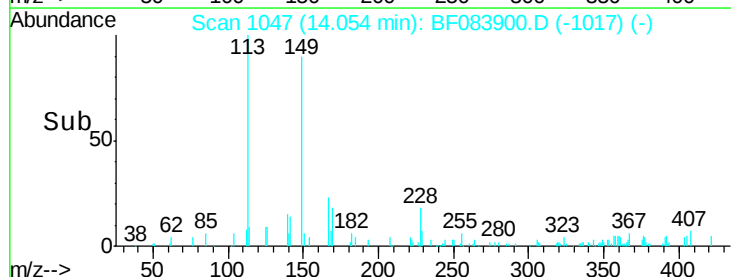
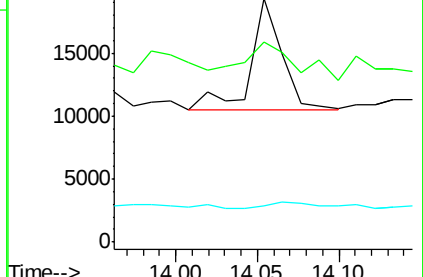
279 15.0 1.8 2.6#

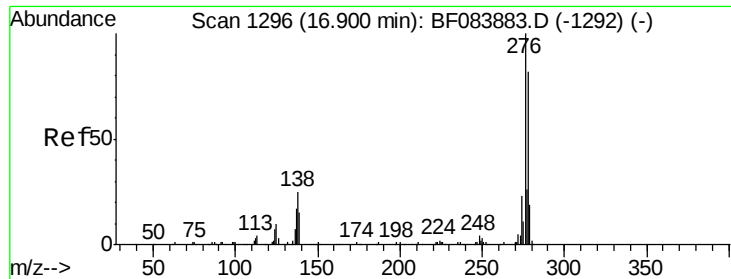


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

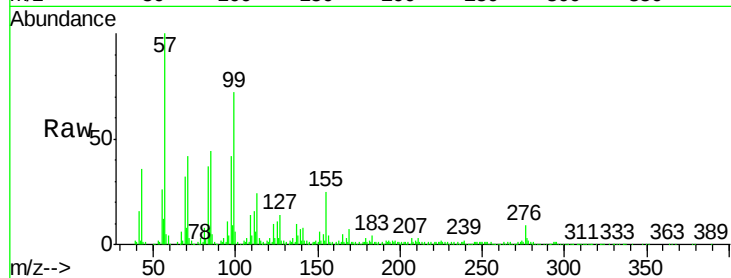




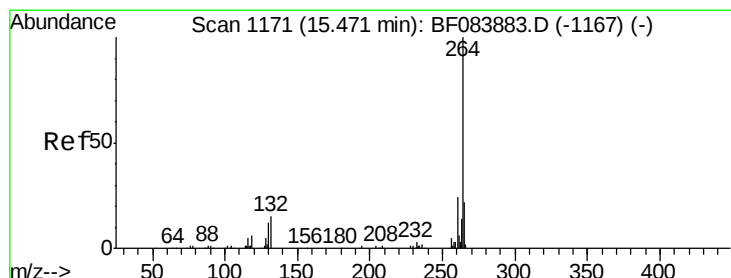
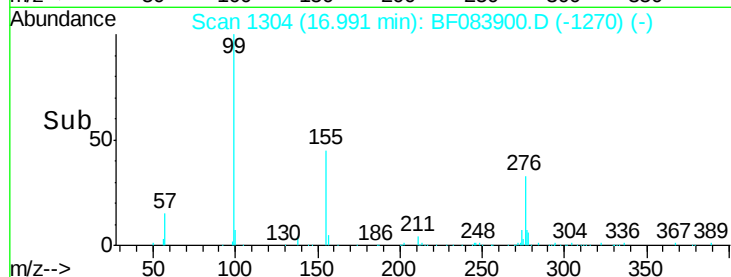
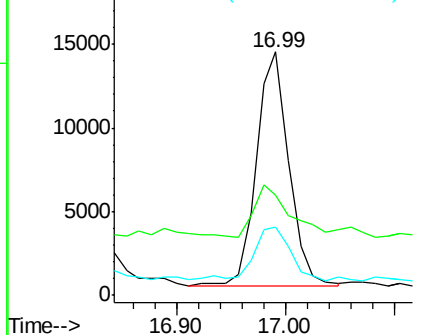
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.91 ng
RT: 16.99 min Scan# 1304
Delta R.T. 0.09 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion:276 Resp: 29207
Ion Ratio Lower Upper
276 100
138 27.4 20.6 30.8
277 26.5 20.1 30.1

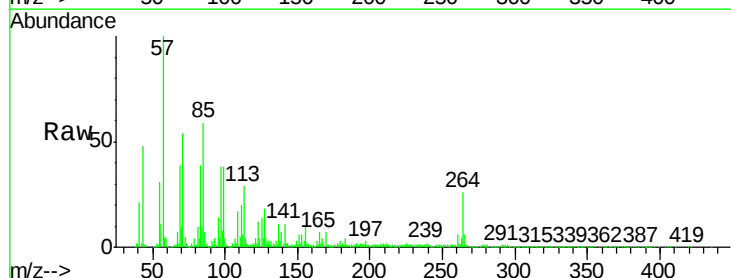


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

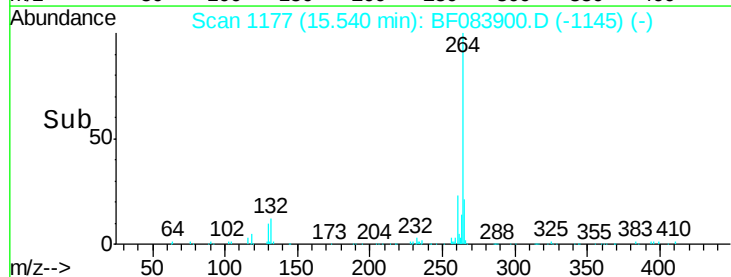
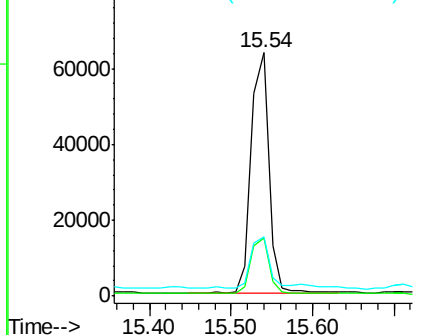


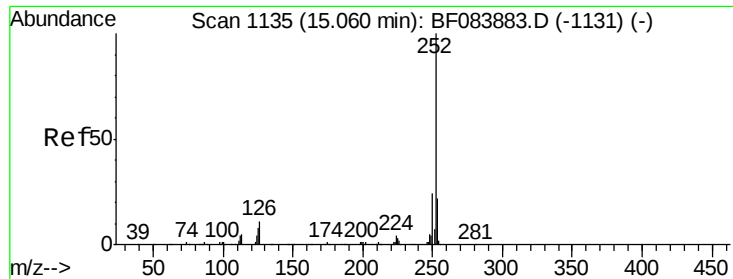
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.07 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion:264 Resp: 95576
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 24.1 17.8 26.6



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: 8.52 ng

RT: 15.12 min Scan# 1140

Delta R.T. 0.06 min

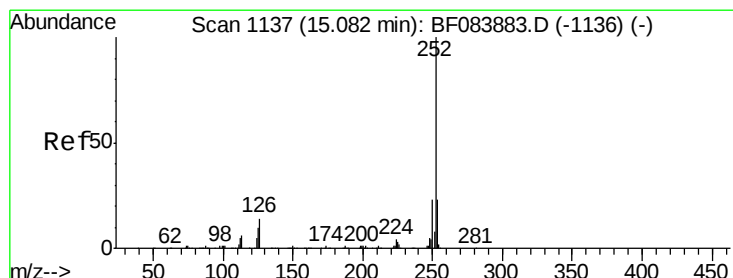
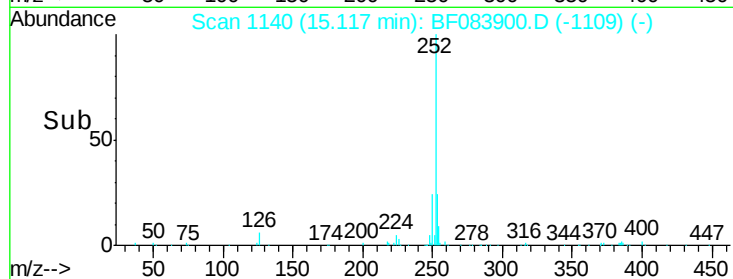
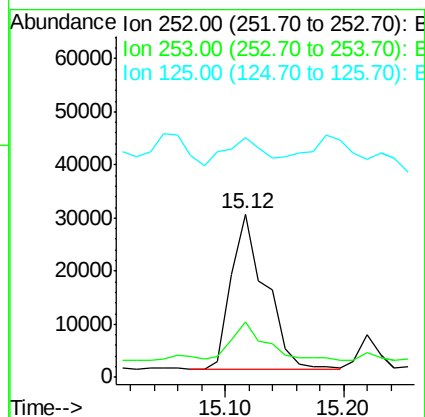
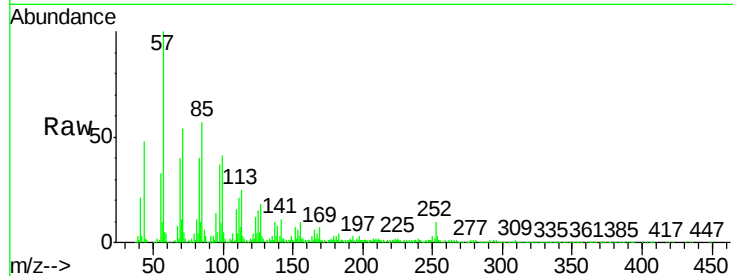
Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion:252 Resp: 59334

Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.3	25.9#
125	146.6	6.5	9.7#



#88

Benzo(k)fluoranthene

Concen: 10.32 ng

RT: 15.12 min Scan# 1140

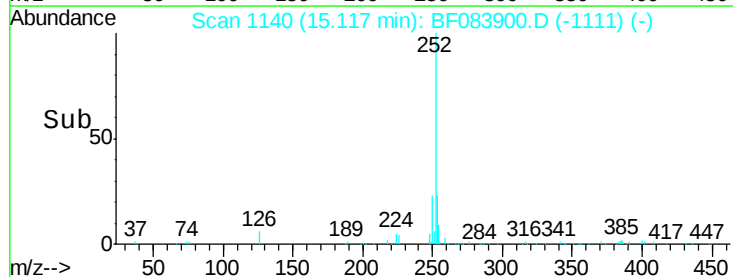
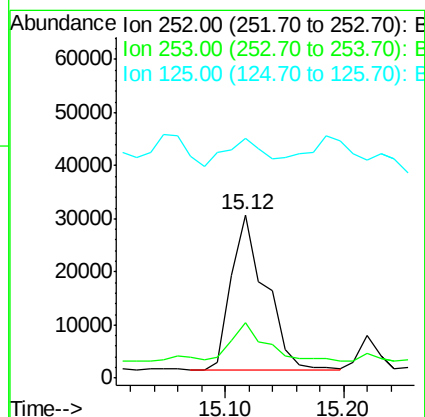
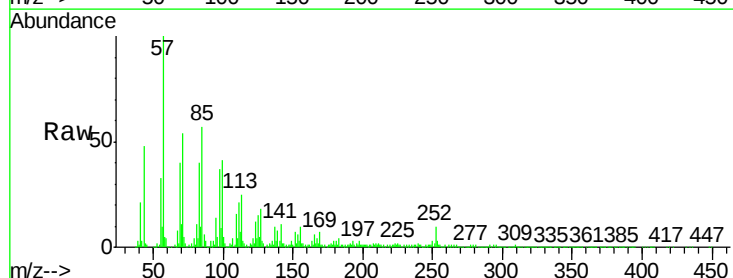
Delta R.T. 0.03 min

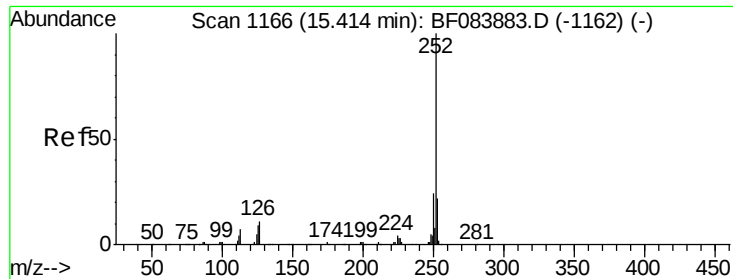
Lab File: BF083900.D

Acq: 18 Dec 2015 6:40

Tgt Ion:252 Resp: 59334

Ion	Ratio	Lower	Upper
252	100		
253	33.6	18.1	27.1#
125	146.6	9.0	13.6#

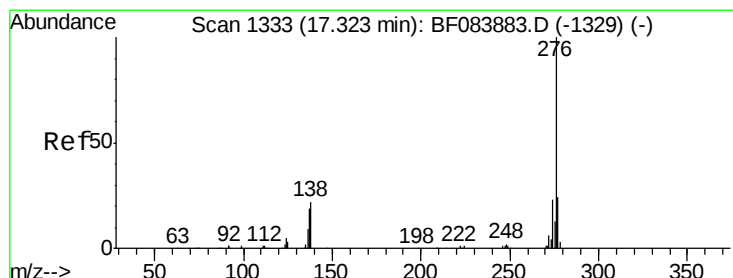
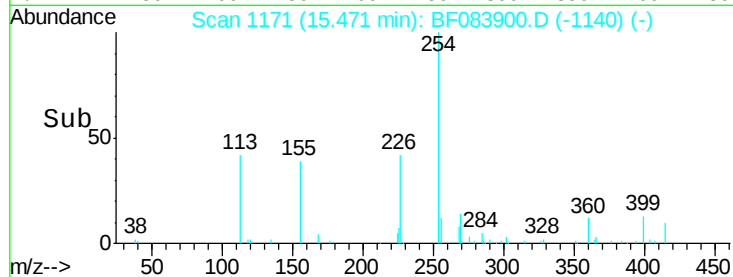
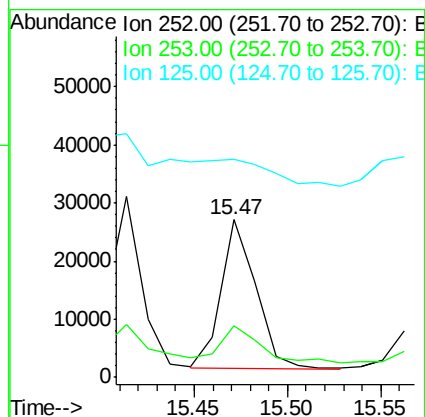
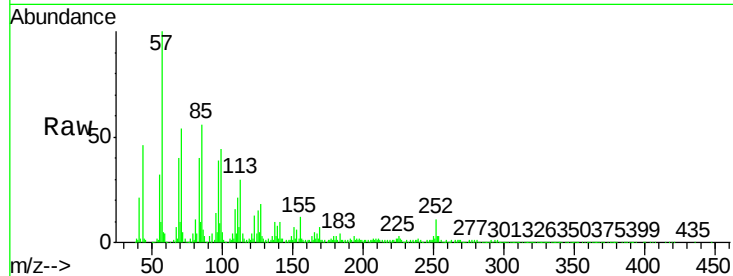




#89
Benzo(a)pyrene
Concen: 5.85 ng
RT: 15.47 min Scan# 1171
Delta R.T. 0.06 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Instrument :
BNA_F
ClientSampleId :
K210-0-2

Tgt Ion: 252 Resp: 33673
Ion Ratio Lower Upper
252 100
253 32.4 17.3 25.9#
125 138.6 7.0 10.4#



#91
Benzo(g,h,i)perylene
Concen: 12.80 ng
RT: 17.43 min Scan# 1342
Delta R.T. 0.10 min
Lab File: BF083900.D
Acq: 18 Dec 2015 6:40

Tgt Ion: 276 Resp: 56176
Ion Ratio Lower Upper
276 100
277 26.5 18.8 28.2
138 30.0 17.8 26.6#

