

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083814.D
 Acq On : 15 Dec 2015 12:53
 Operator : UM/IZ
 Sample : G4634-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

Quant Time: Dec 16 00:57:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

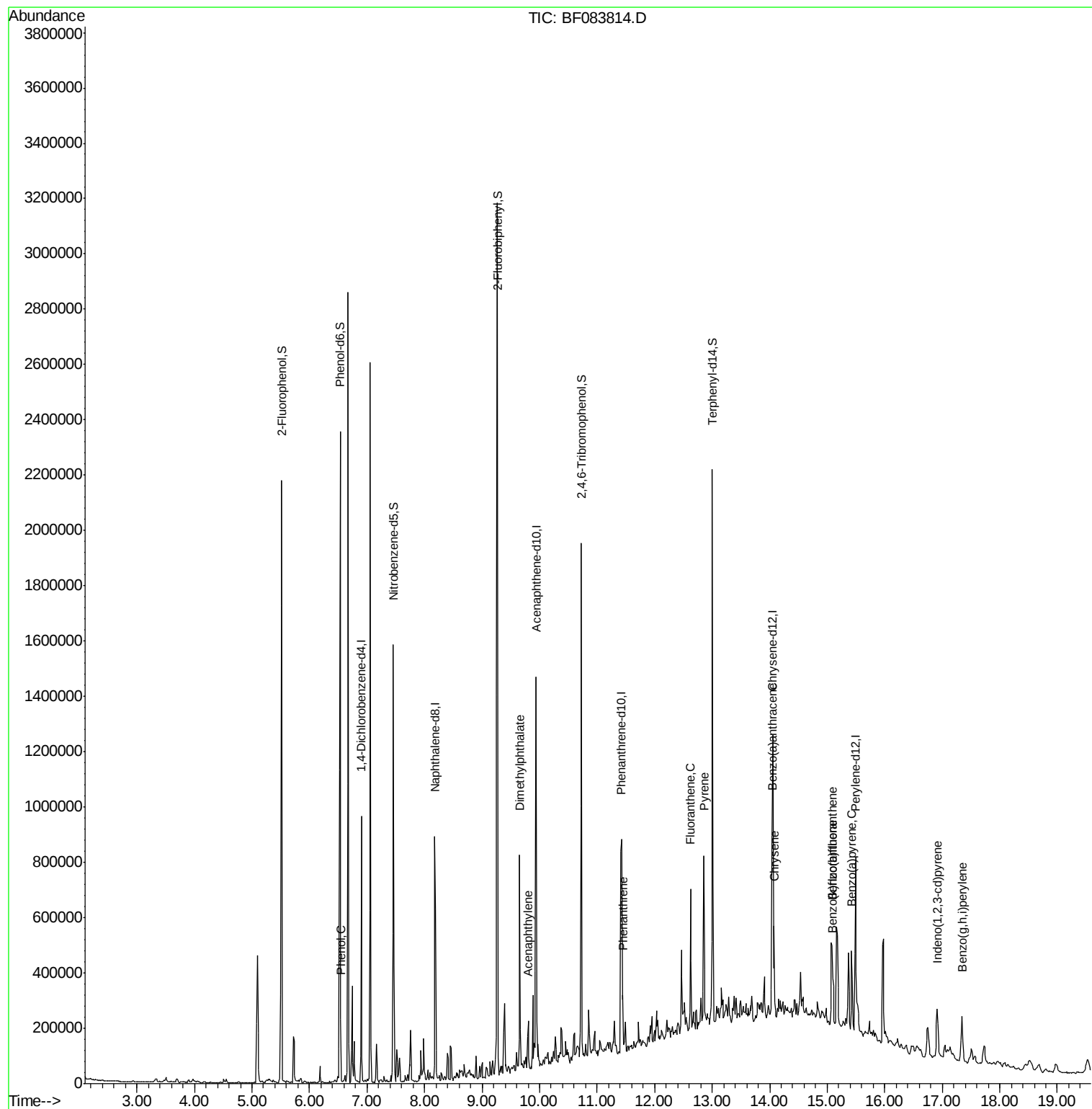
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	129857	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	528310	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	259502	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	423836	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	321664	20.00	ng	-0.02
86) Perylene-d12	15.49	264	294353	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	874331	108.62	ng	-0.01
7) Phenol-d6	6.53	99	950643	93.26	ng	-0.01
23) Nitrobenzene-d5	7.46	82	601277	63.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	255753	96.72	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1069088	54.50	ng	-0.02
78) Terphenyl-d14	13.00	244	631853	42.25	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.54	94	31081	2.65	ng	# 72
48) Acenaphthylene	9.80	152	90405	3.17	ng	98
49) Dimethylphthalate	9.65	163	278165	13.75	ng	99
70) Phenanthrene	11.45	178	115341	5.12	ng	98
74) Fluoranthene	12.63	202	228213	9.81	ng	95
77) Pyrene	12.85	202	253987	9.99	ng	99
80) Benzo(a)anthracene	14.04	228	122704	6.71	ng	# 86
82) Chrysene	14.08	228	136046m	7.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	114319	6.52	ng	# 100
87) Benzo(b)fluoranthene	15.08	252	205381m	10.94	ng	
88) Benzo(k)fluoranthene	15.09	252	53322m	3.13	ng	
89) Benzo(a)pyrene	15.43	252	136080	8.12	ng	# 93
91) Benzo(g,h,i)perylene	17.35	276	130032	7.59	ng	97

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

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QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

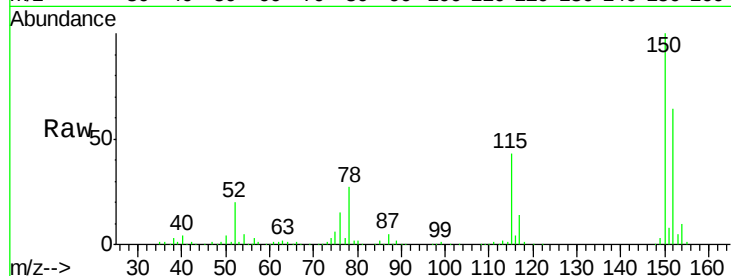
Tgt Ion:152 Resp: 129857

Ion Ratio Lower Upper

152 100

150 156.6 126.5 189.7

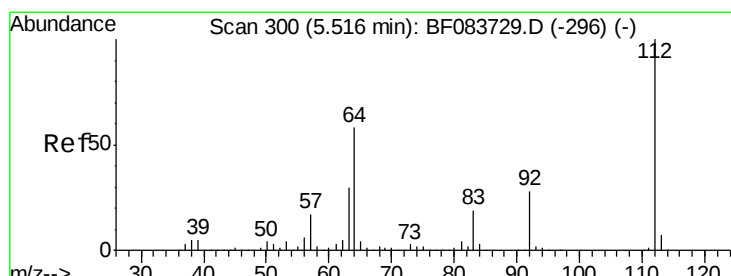
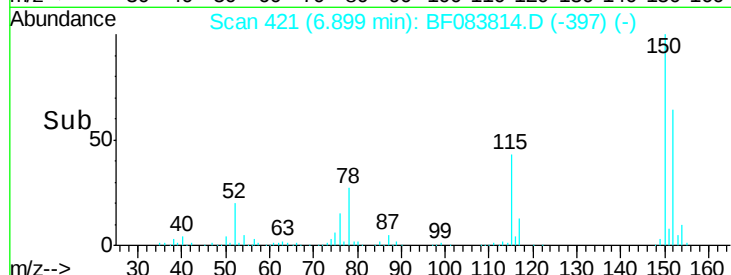
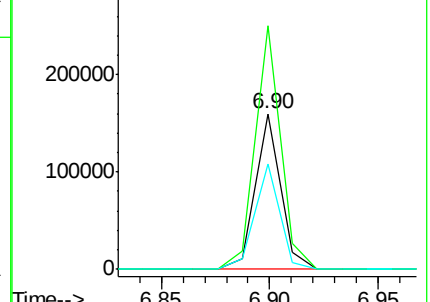
115 67.7 52.3 78.5



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: 108.62 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

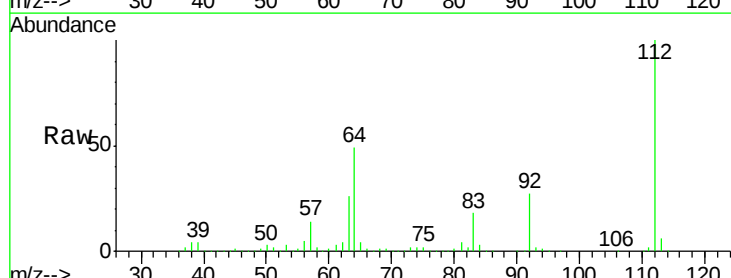
Tgt Ion:112 Resp: 874331

Ion Ratio Lower Upper

112 100

64 49.3 50.5 75.7#

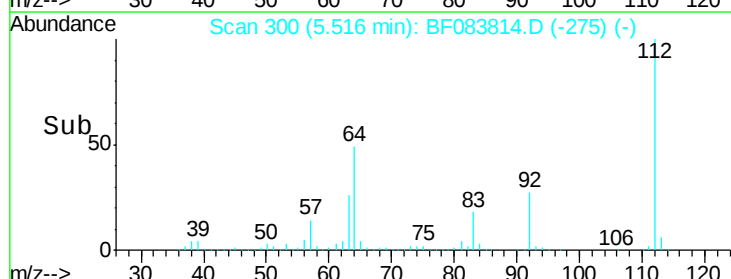
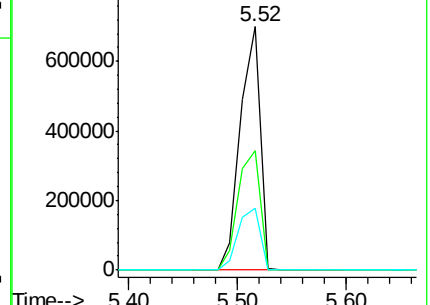
63 25.6 25.8 38.6#

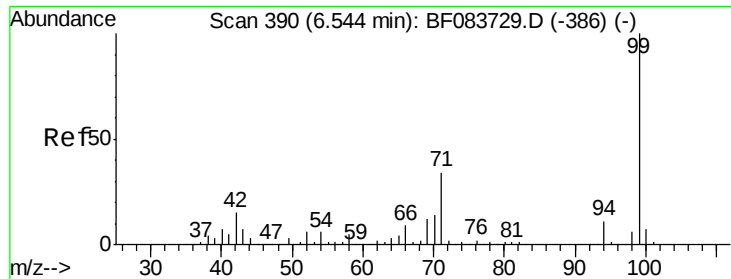


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.26 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

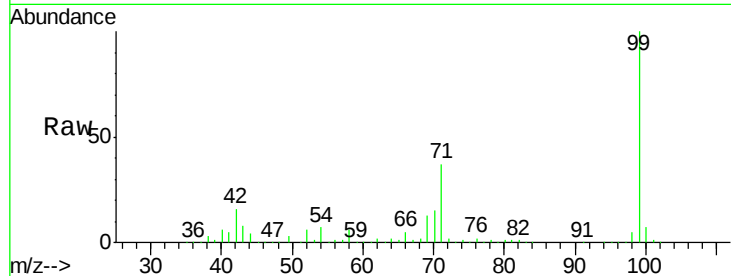
Tgt Ion: 99 Resp: 950643

Ion Ratio Lower Upper

99 100

42 16.5 17.3 25.9#

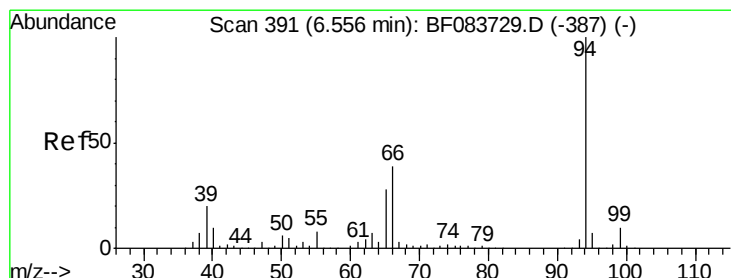
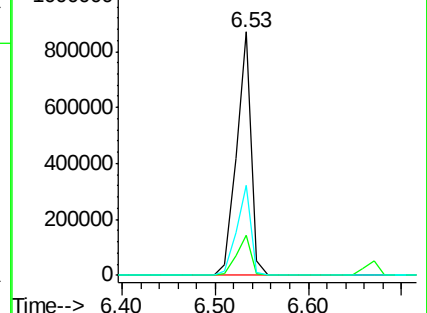
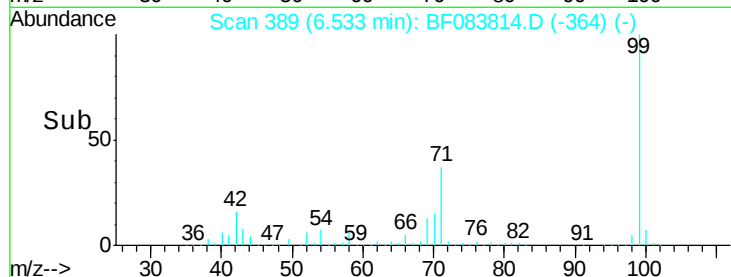
71 36.9 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.65 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

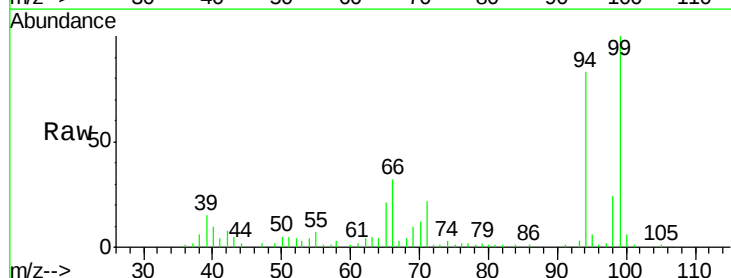
Tgt Ion: 94 Resp: 31081

Ion Ratio Lower Upper

94 100

65 25.9 20.9 60.9

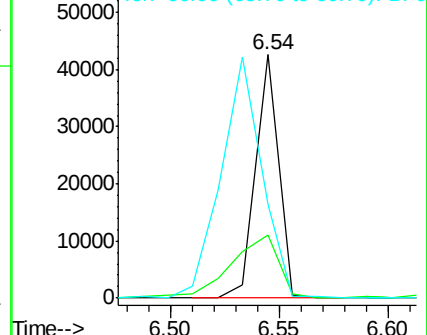
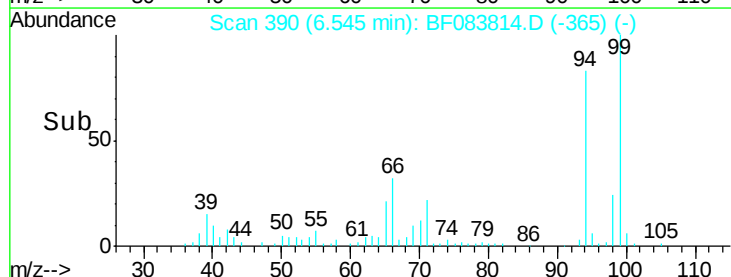
66 38.4 41.6 81.6#

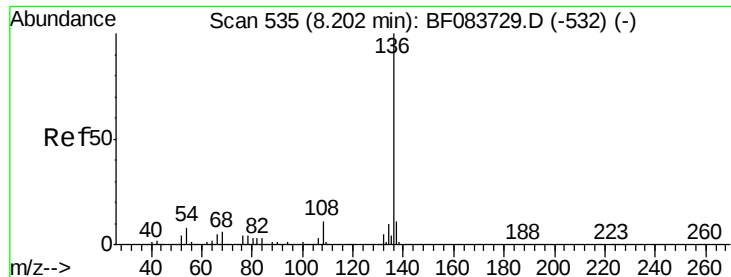


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

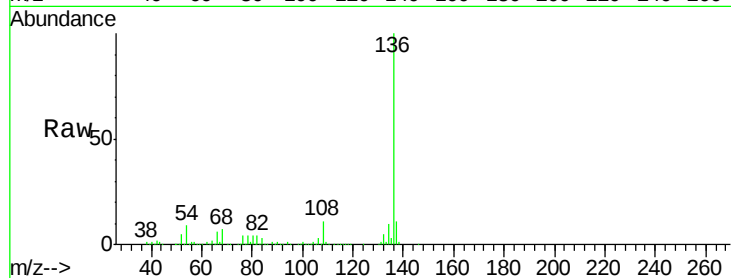




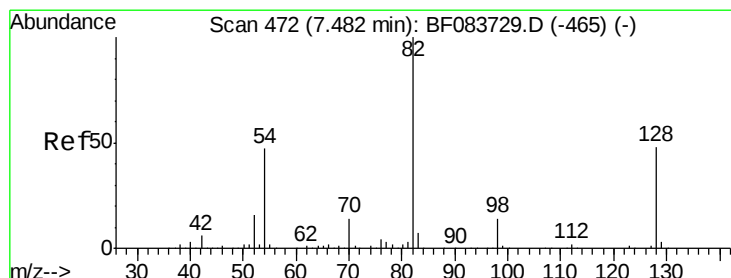
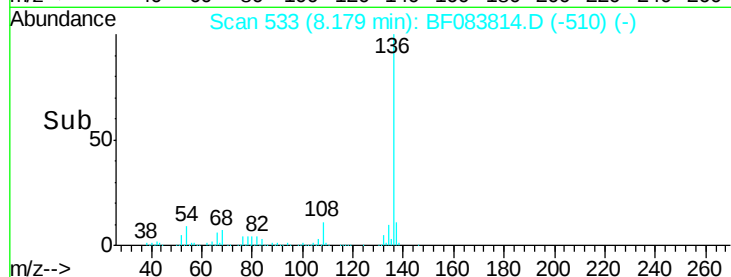
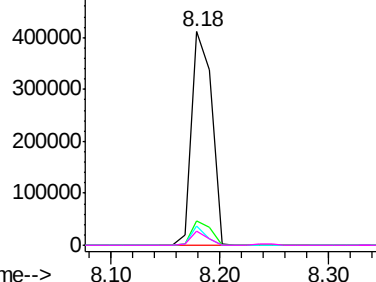
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

Instrument :
BNA_F
ClientSampleId :
K203-0-2

Tgt Ion:	136	Resp:	528310
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.8	7.8	11.6
68	6.7	5.7	8.5

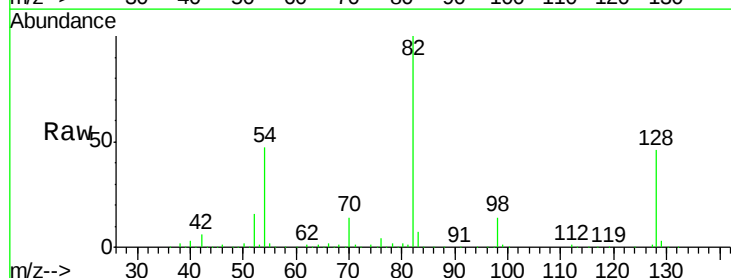


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

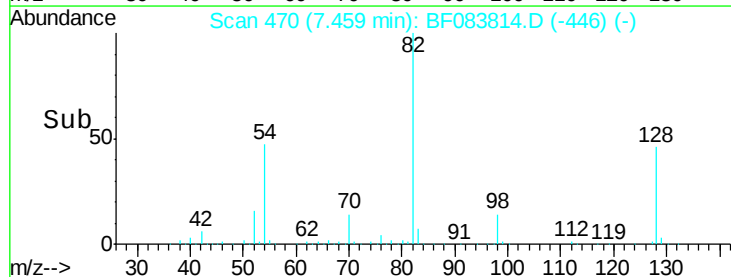
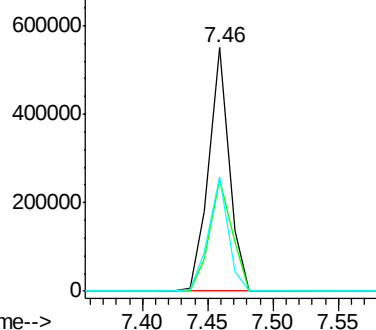


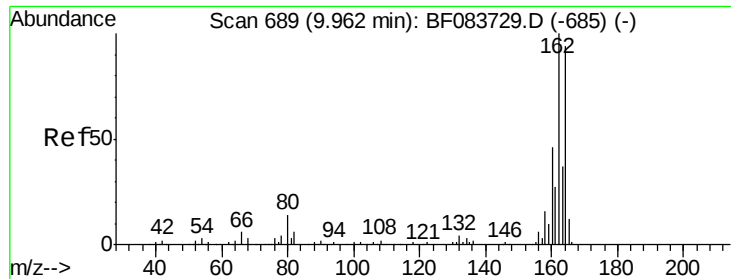
#23
Nitrobenzene-d5
Concen: 63.67 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

Tgt Ion:	82	Resp:	601277
Ion	Ratio	Lower	Upper
82	100		
128	46.1	30.7	46.1
54	46.9	42.5	63.7



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

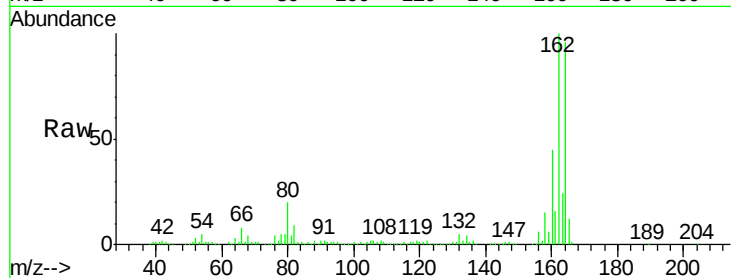




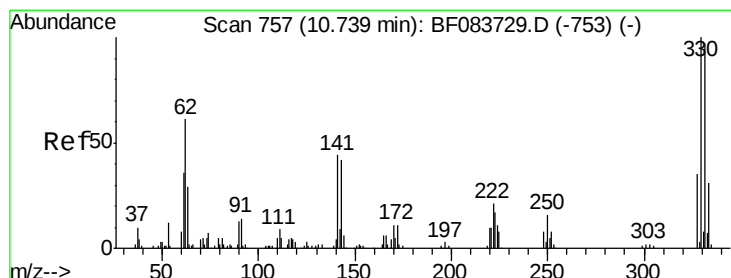
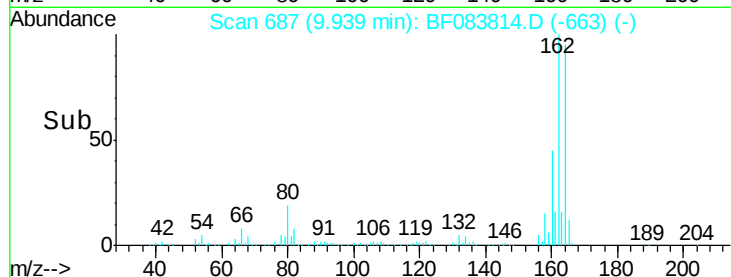
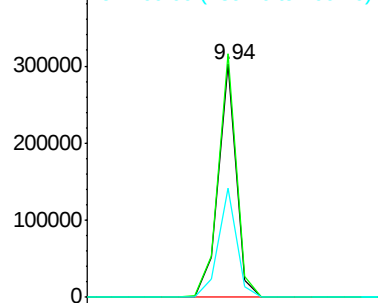
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

Instrument :
BNA_F
ClientSampleId :
K203-0-2

Tgt Ion:164 Resp: 259502
Ion Ratio Lower Upper
164 100
162 104.4 78.8 118.2
160 46.6 33.4 50.2

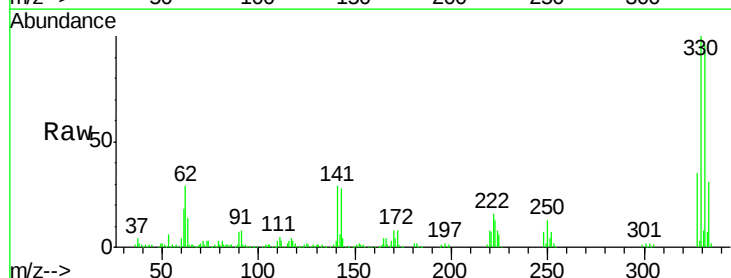


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

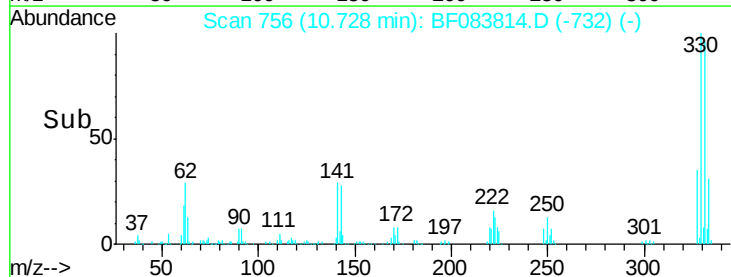
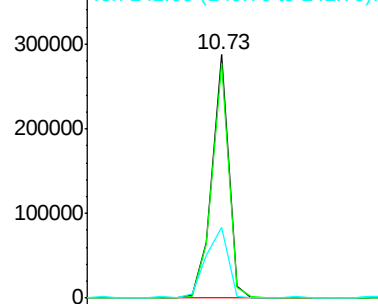


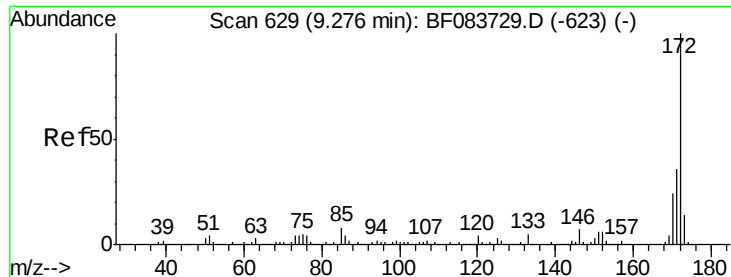
#41
2,4,6-Tribromophenol
Concen: 96.72 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

Tgt Ion:330 Resp: 255753
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 37.7 0.0 0.0#



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

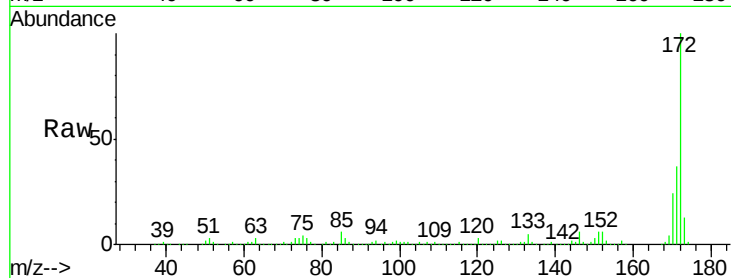




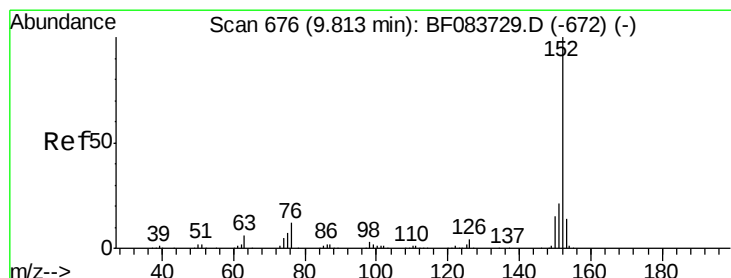
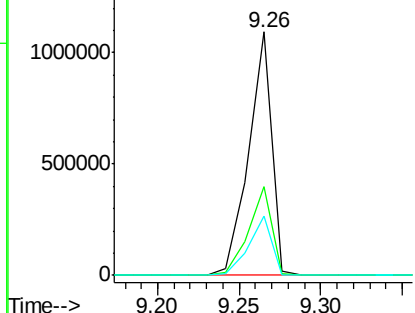
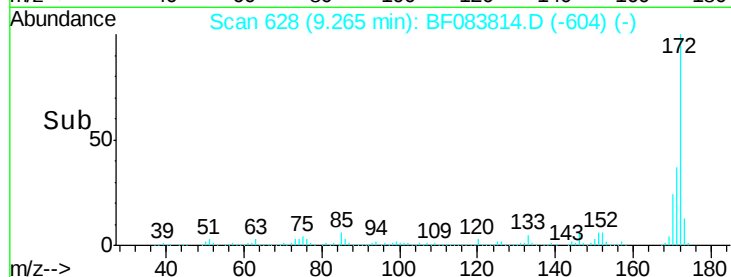
#44
 2-Fluorobiphenyl
 Concen: 54.50 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083814.D
 Acq: 15 Dec 2015 12:53

Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

Tgt Ion:172 Resp: 1069088
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 42.8
 170 24.5 19.4 29.0

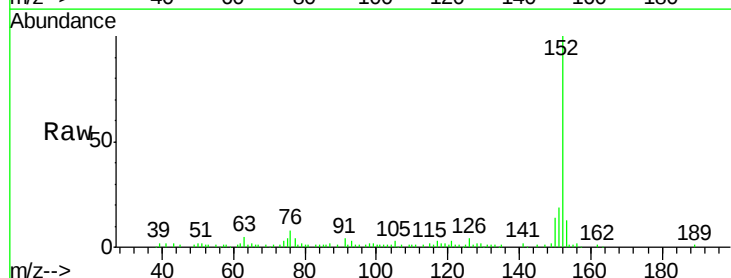


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

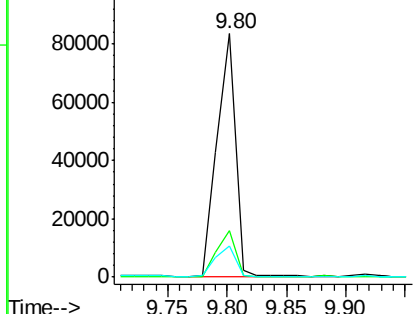
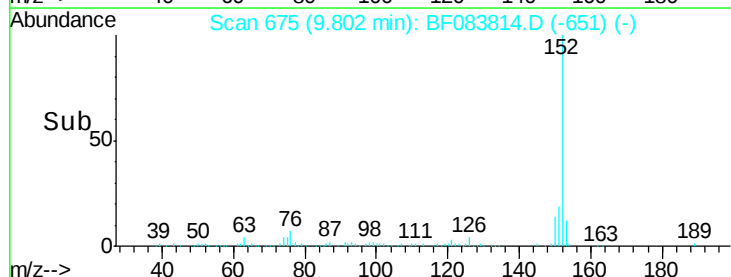


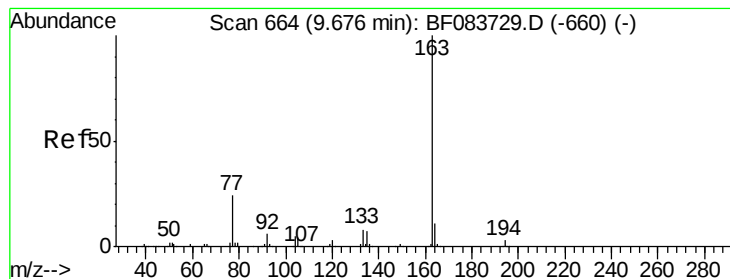
#48
 Acenaphthylene
 Concen: 3.17 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF083814.D
 Acq: 15 Dec 2015 12:53

Tgt Ion:152 Resp: 90405
 Ion Ratio Lower Upper
 152 100
 151 19.0 16.3 24.5
 153 13.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 13.75 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

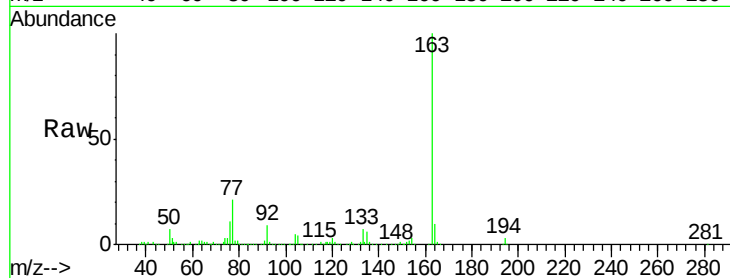
Tgt Ion:163 Resp: 278165

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

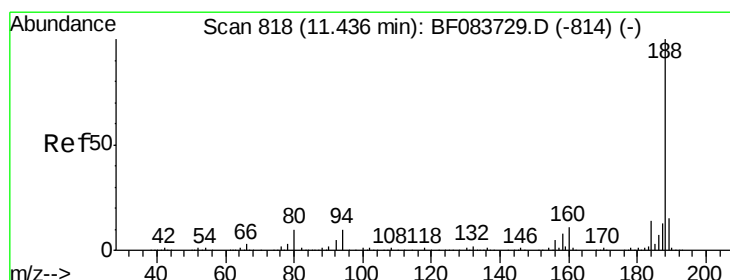
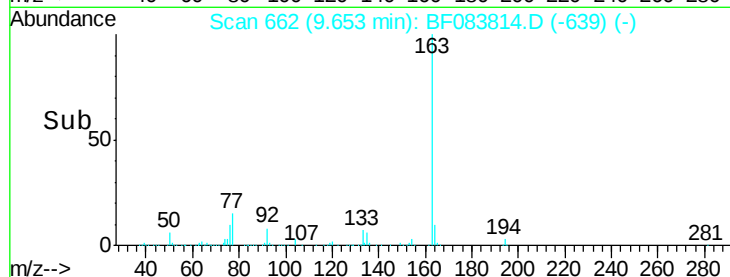
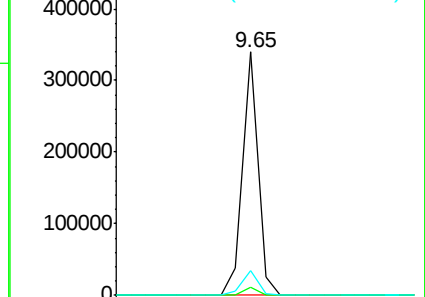
164 10.2 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

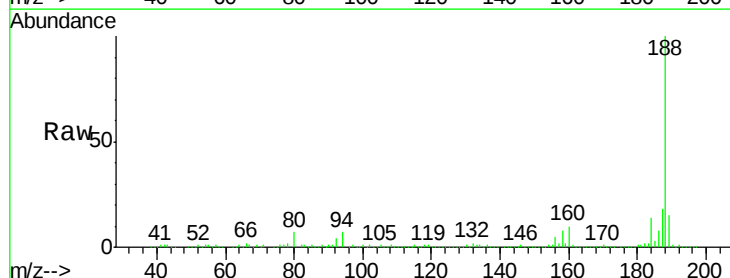
Tgt Ion:188 Resp: 423836

Ion Ratio Lower Upper

188 100

94 6.6 9.4 14.2#

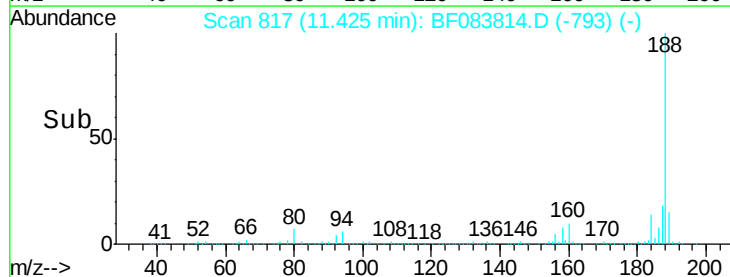
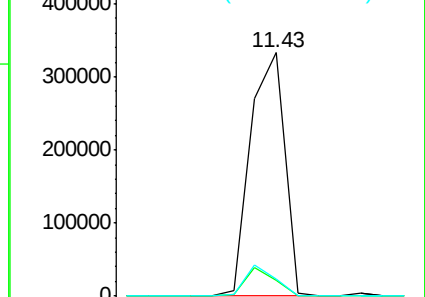
80 6.8 10.6 16.0#

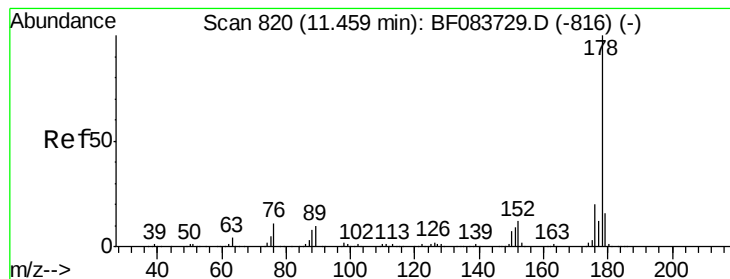


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.12 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

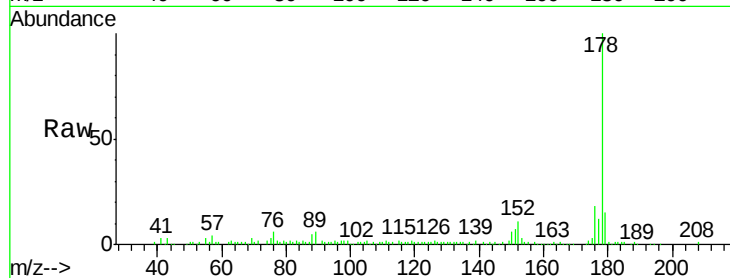
Tgt Ion:178 Resp: 115341

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

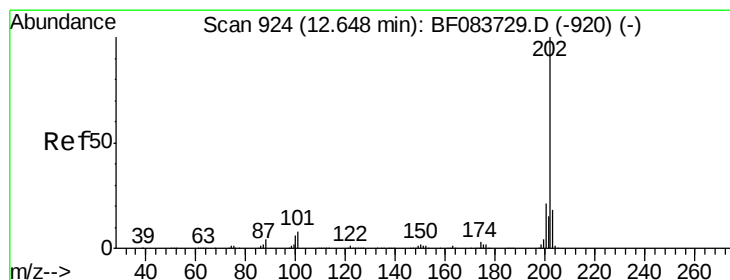
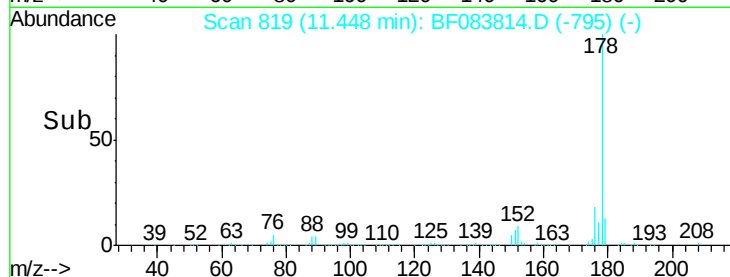
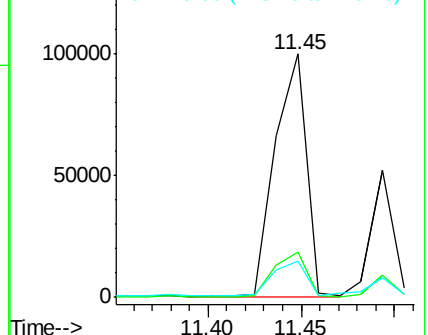
179 14.9 12.2 18.4



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: 9.81 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

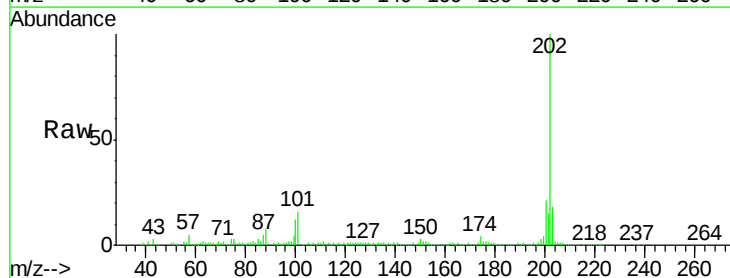
Tgt Ion:202 Resp: 228213

Ion Ratio Lower Upper

202 100

101 16.1 0.0 31.5

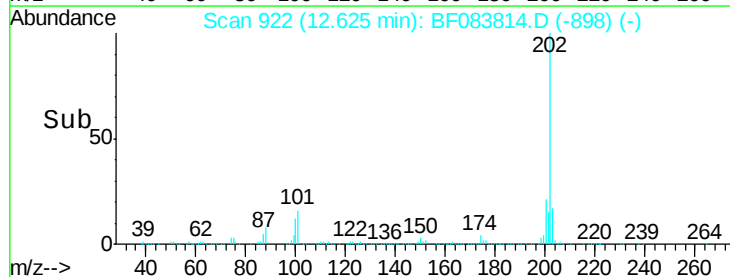
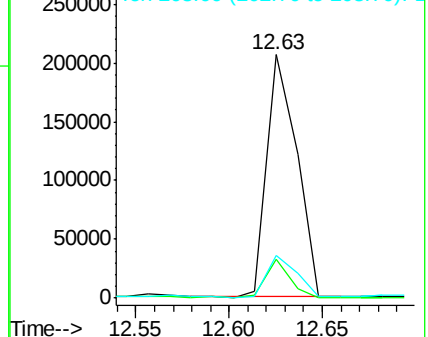
203 17.6 0.0 37.6

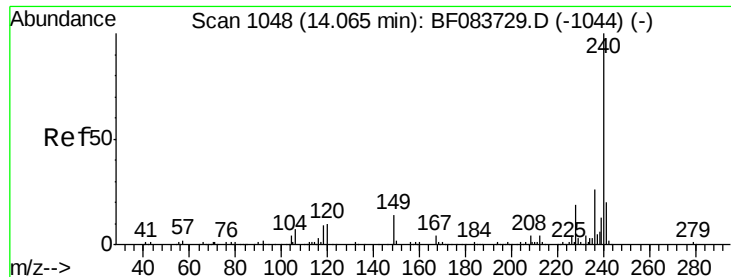


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

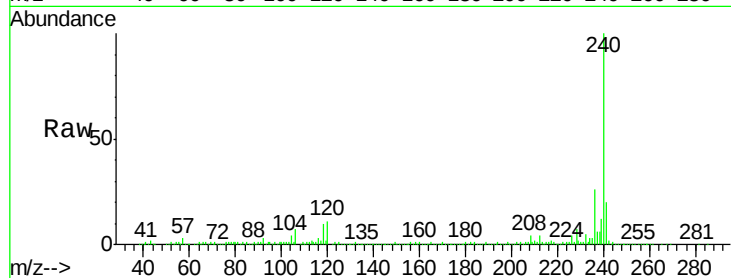
Tgt Ion:240 Resp: 321664

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

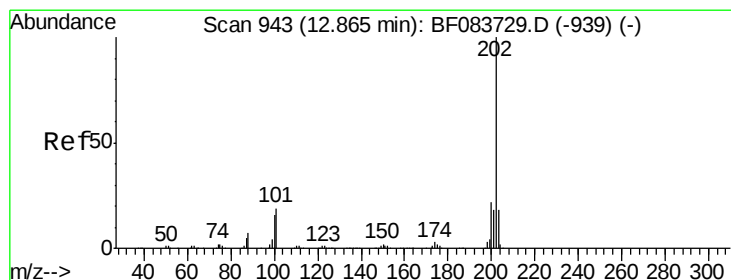
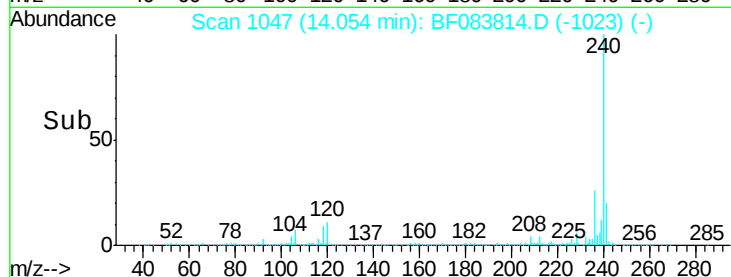
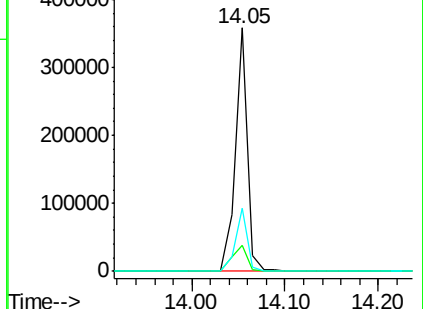
236 25.7 20.8 31.2



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: 9.99 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

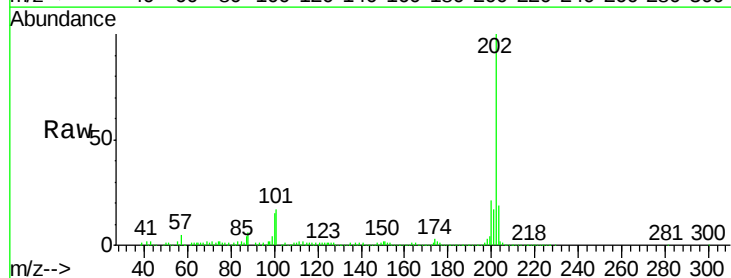
Tgt Ion:202 Resp: 253987

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

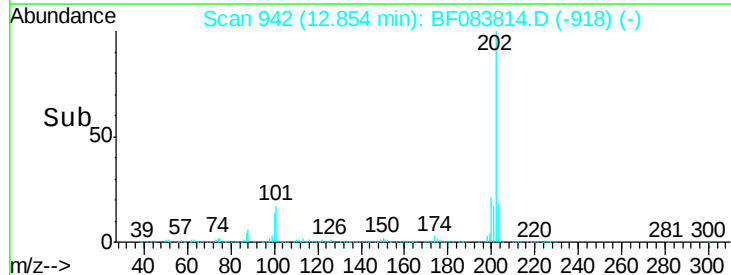
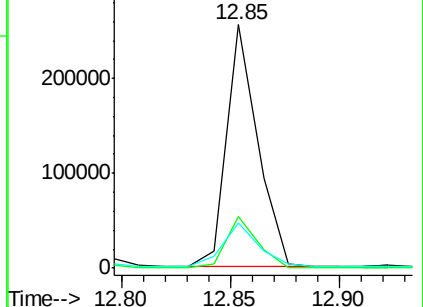
203 18.6 14.3 21.5

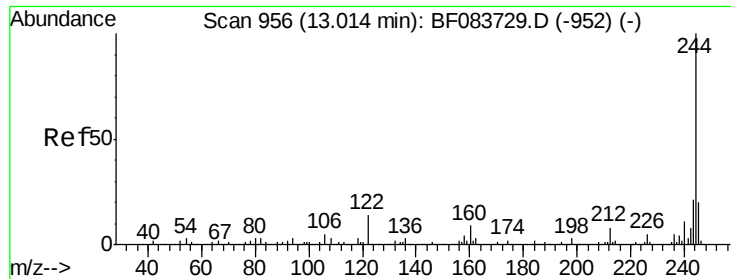


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

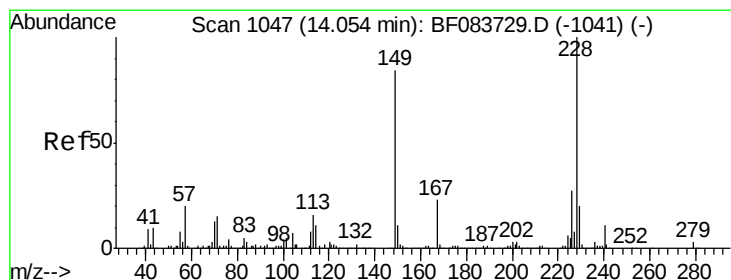
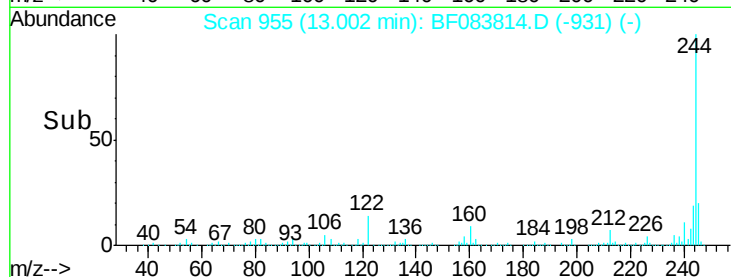
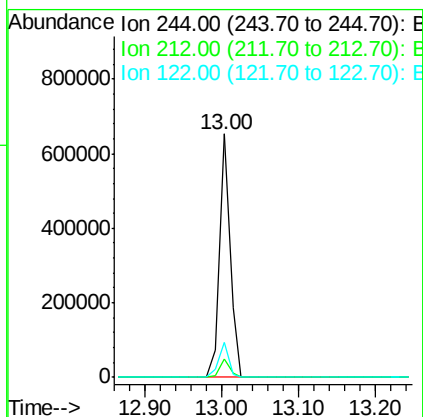
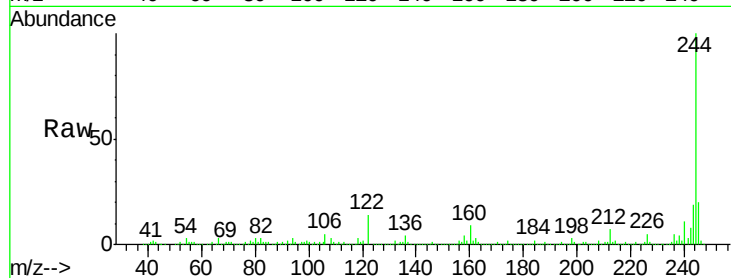




#78
 Terphenyl-d14
 Concen: 42.25 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083814.D
 Acq: 15 Dec 2015 12:53

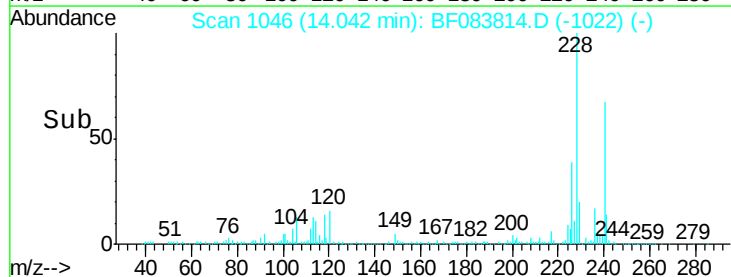
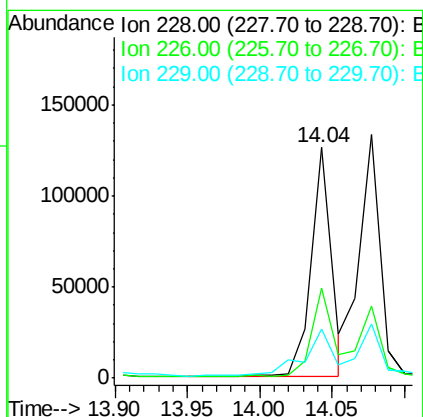
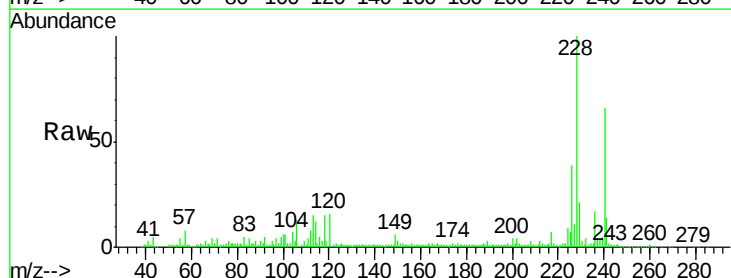
Instrument :
 BNA_F
 ClientSampleId :
 K203-0-2

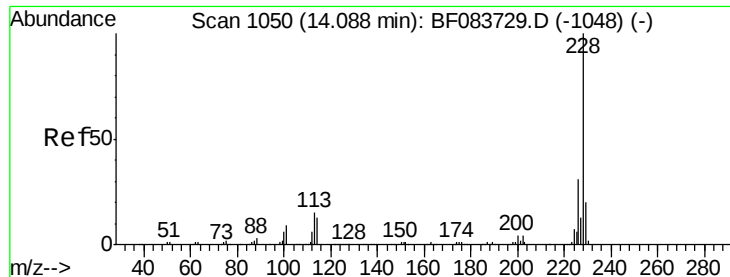
Tgt Ion:244 Resp: 631853
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 14.3 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 6.71 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.02 min
 Lab File: BF083814.D
 Acq: 15 Dec 2015 12:53

Tgt Ion:228 Resp: 122704
 Ion Ratio Lower Upper
 228 100
 226 39.1 22.3 33.5#
 229 21.1 15.7 23.5





#82

Chrysene

Concen: 7.63 ng m

RT: 14.08 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

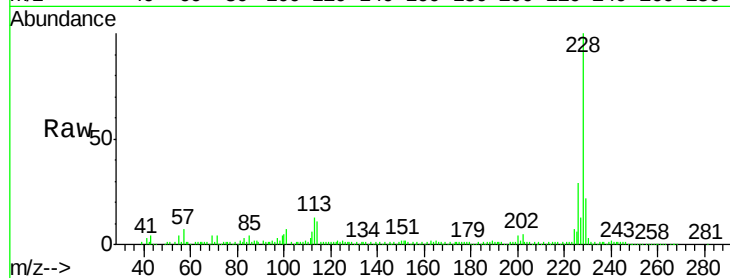
Tgt Ion:228 Resp: 136046

Ion Ratio Lower Upper

228 100

226 29.4 24.7 37.1

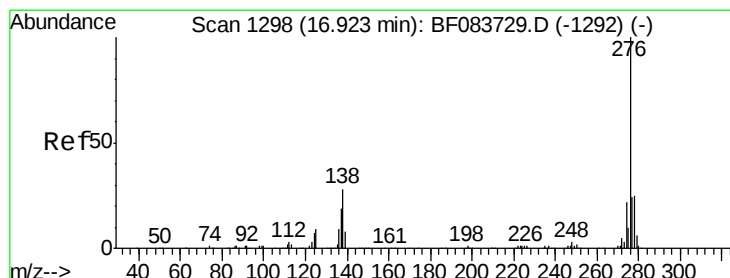
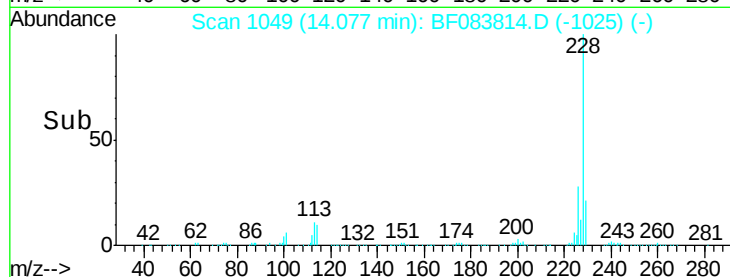
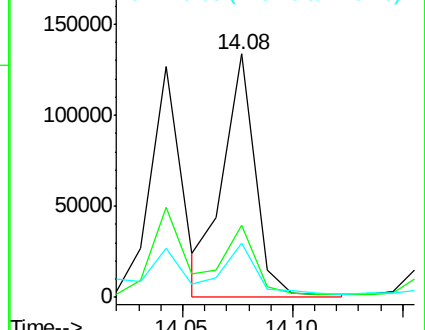
229 22.2 16.3 24.5



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: 6.52 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

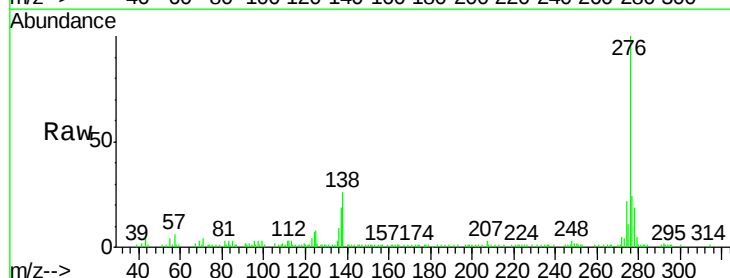
Tgt Ion:276 Resp: 114319

Ion Ratio Lower Upper

276 100

138 25.2 0.0 0.0#

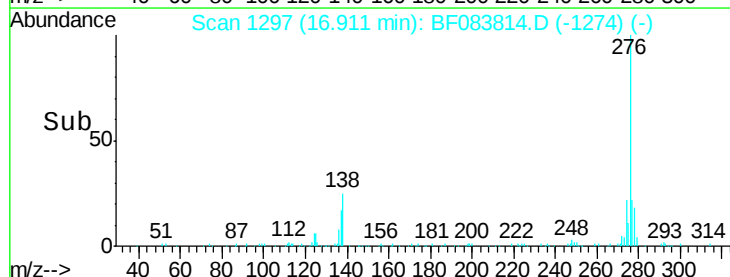
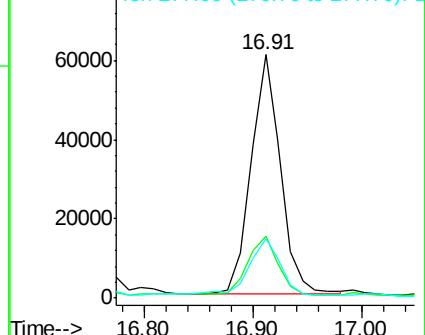
277 26.4 0.0 0.0#

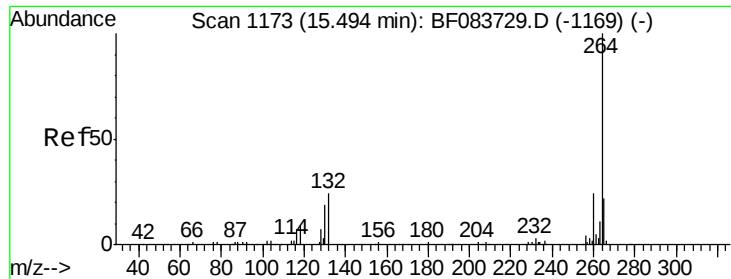


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

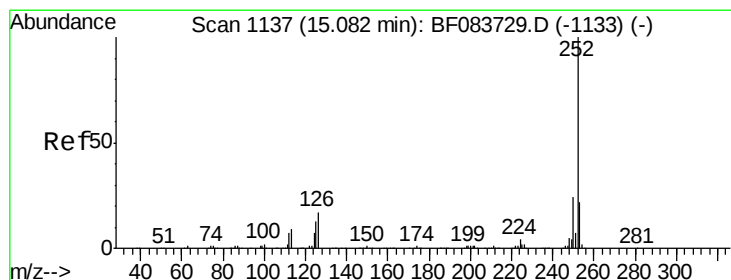
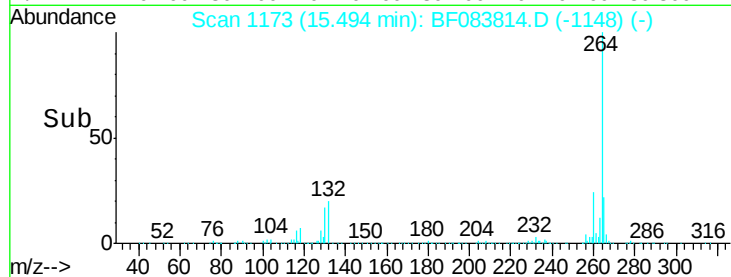
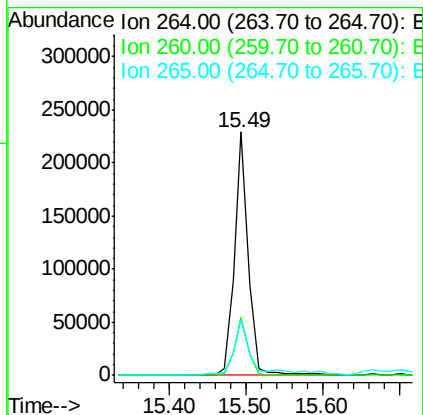
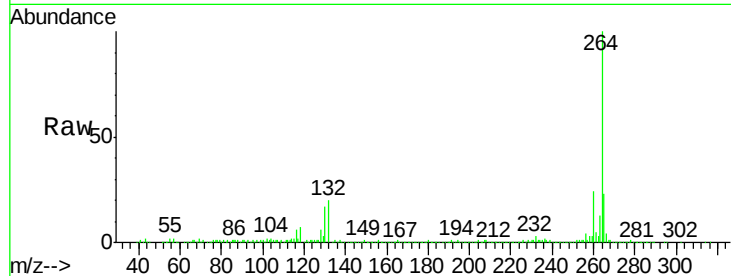




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

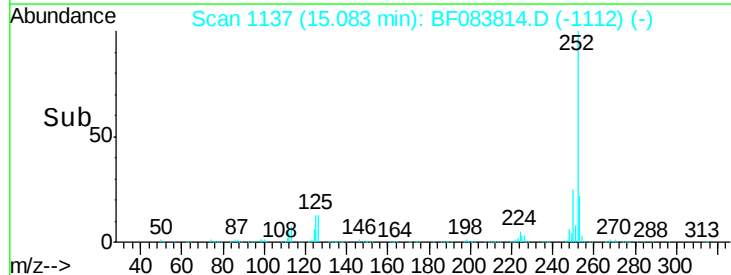
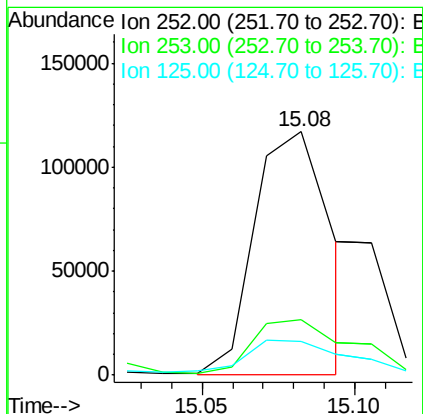
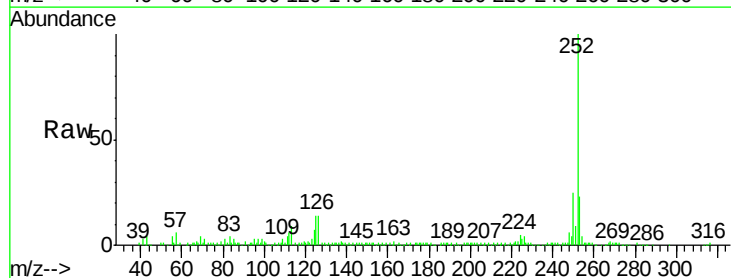
Instrument :
BNA_F
ClientSampleId :
K203-0-2

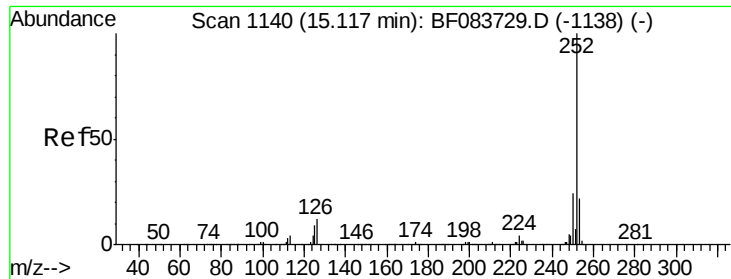
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	22.6	17.8	26.6



#87
Benzo(b)fluoranthene
Concen: 10.94 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083814.D
Acq: 15 Dec 2015 12:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	14.1	8.2	12.4#





#88

Benzo(k)fluoranthene

Concen: 3.13 ng m

RT: 15.09 min Scan# 1138

Delta R.T. -0.03 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

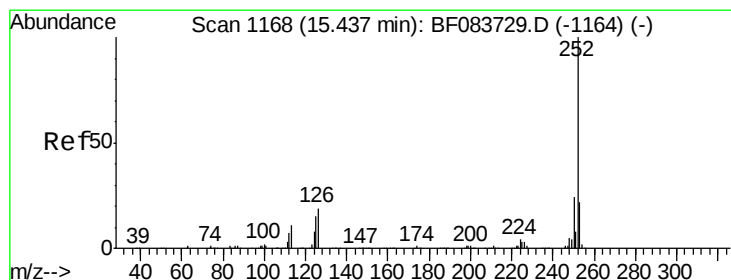
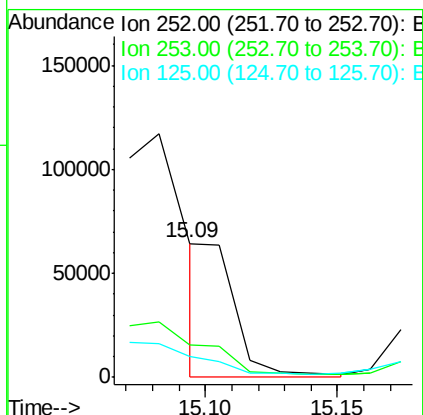
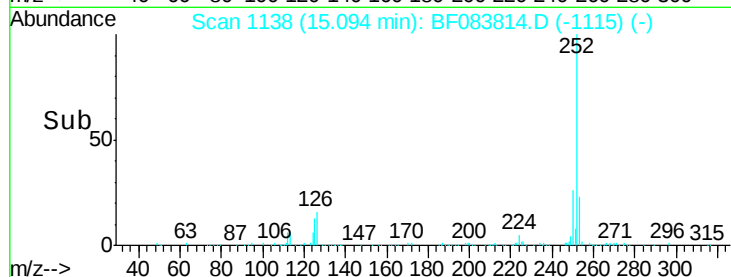
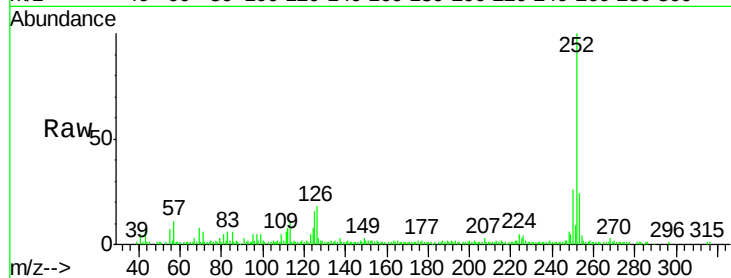
Tgt Ion:252 Resp: 53322

Ion Ratio Lower Upper

252 100

253 24.3 18.6 27.8

125 16.0 11.5 17.3



#89

Benzo(a)pyrene

Concen: 8.12 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

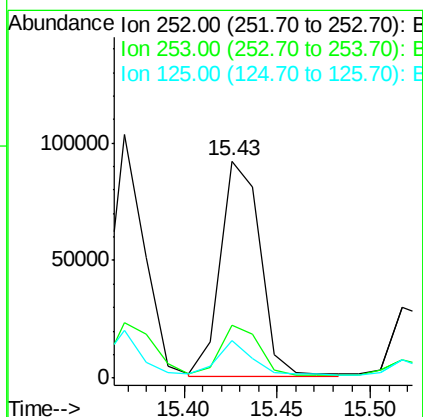
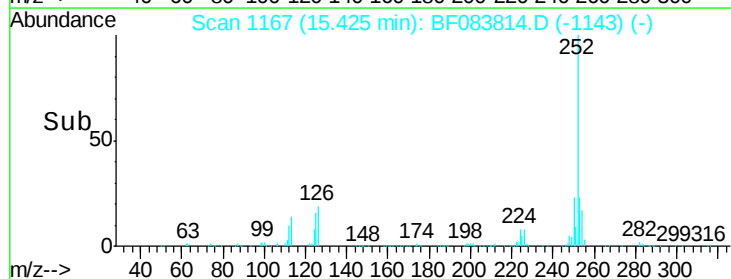
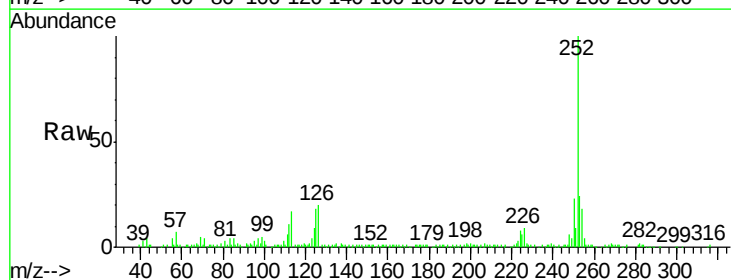
Tgt Ion:252 Resp: 136080

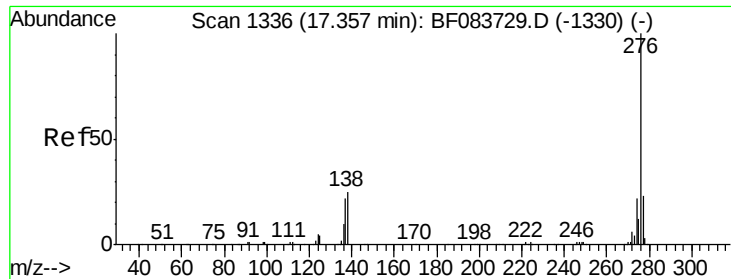
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 17.6 11.0 16.6#





#91

Benzo(g,h,i)perylene

Concen: 7.59 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF083814.D

Acq: 15 Dec 2015 12:53

Instrument :

BNA_F

ClientSampleId :

K203-0-2

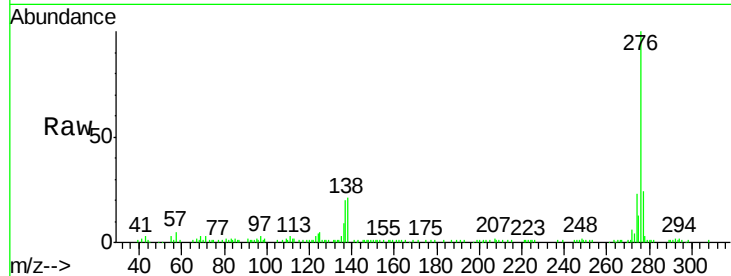
Tgt Ion: 276 Resp: 130032

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 21.3 19.5 29.3



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

