

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083815.D
 Acq On : 15 Dec 2015 13:21
 Operator : UM/IZ
 Sample : G4734-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K203-8-10

Quant Time: Dec 16 00:45:40 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	114549	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	439055	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	170069	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	268828	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	245605	20.00	ng	-0.01
86) Perylene-d12	15.51	264	217664	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	799173	112.55	ng	-0.01
7) Phenol-d6	6.53	99	893042	99.32	ng	-0.01
23) Nitrobenzene-d5	7.46	82	530345	67.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	189408	109.30	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	873530	71.86	ng	-0.02
78) Terphenyl-d14	13.01	244	622285	54.50	ng	-0.01

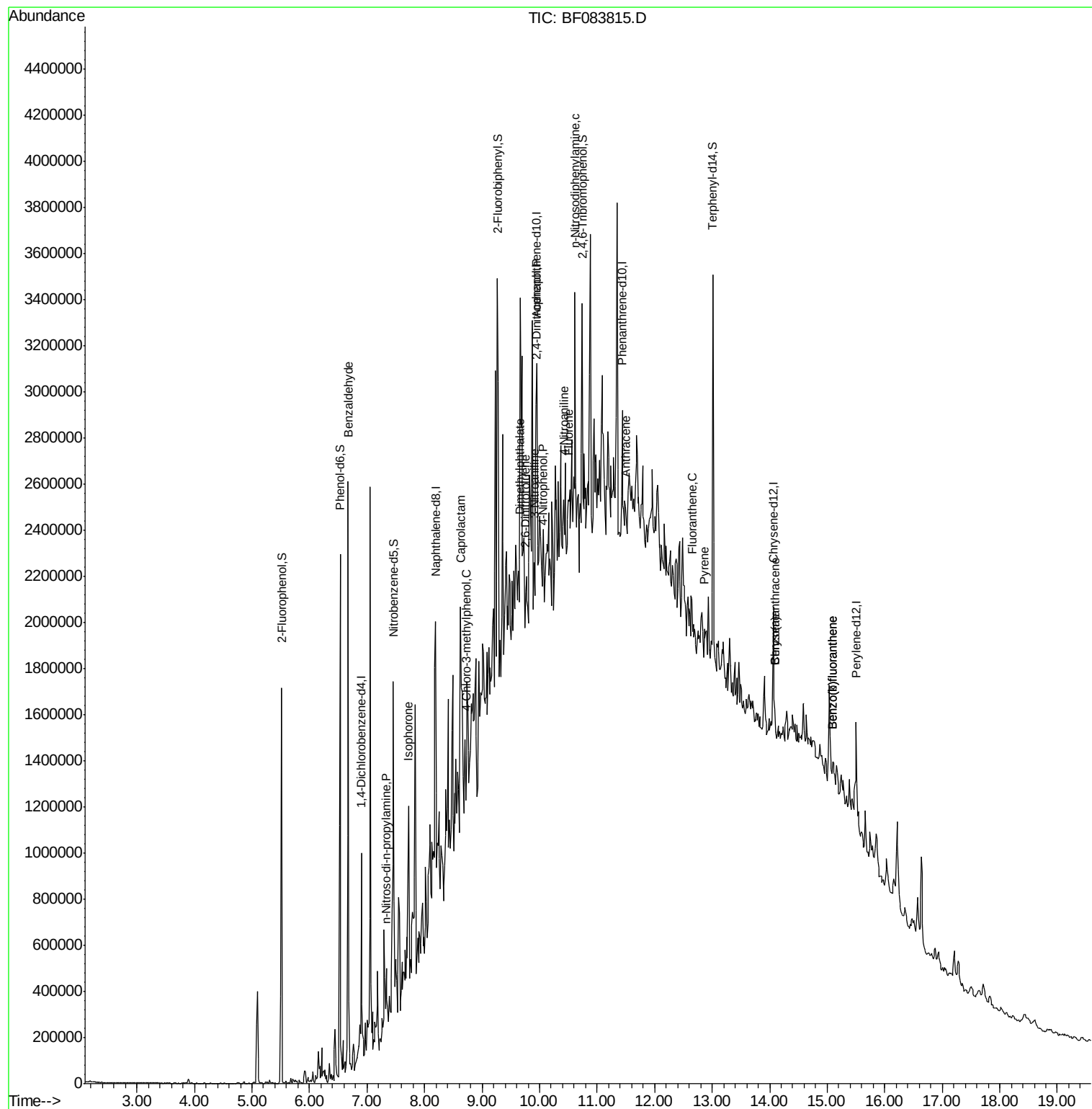
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	18530	3.84	ng	91
19) n-Nitroso-di-n-propylamine	7.33	70	15660	2.84	ng	# 60
25) Isophorone	7.72	82	58559	3.80	ng	# 1
35) Caprolactam	8.62	113	37934	18.66	ng	# 20
36) 4-Chloro-3-methylphenol	8.73	107	17126	2.31	ng	# 30
49) Dimethylphthalate	9.65	163	74980	5.66	ng	# 80
50) 2,6-Dinitrotoluene	9.76	165	16161	5.74	ng	# 39
52) 3-Nitroaniline	9.90	138	9908	3.05	ng	# 16
53) 2,4-Dinitrophenol	9.94	184	217	2.57	ng	# 1
55) 4-Nitrophenol	10.05	139	6634	2.76	ng	# 1
57) Fluorene	10.50	166	27352	2.32	ng	# 66
61) 4-Nitroaniline	10.42	138	17631	6.17	ng	92
65) n-Nitrosodiphenylamine	10.61	169	147639	16.06	ng	# 43
71) Anthracene	11.51	178	30003	2.02	ng	# 7
74) Fluoranthene	12.65	202	39784	2.70	ng	76
77) Pyrene	12.87	202	98833	5.09	ng	# 91
80) Benzo(a)anthracene	14.09	228	90634	6.49	ng	# 65
82) Chrysene	14.09	228	90634	6.65	ng	# 71
87) Benzo(b)fluoranthene	15.08	252	35966	2.59	ng	# 4
88) Benzo(k)fluoranthene	15.08	252	35966	2.86	ng	# 3

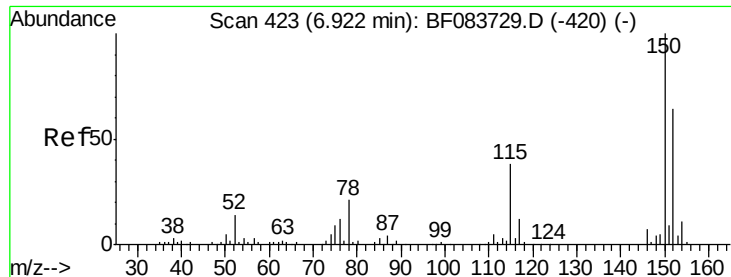
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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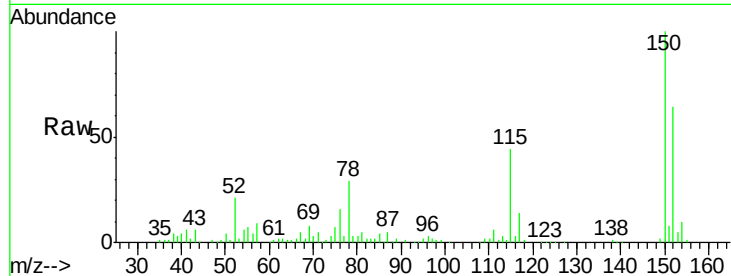


#1

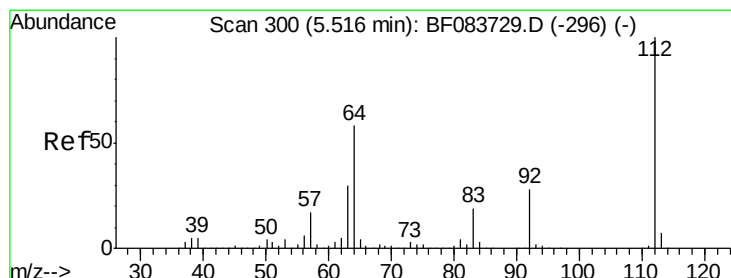
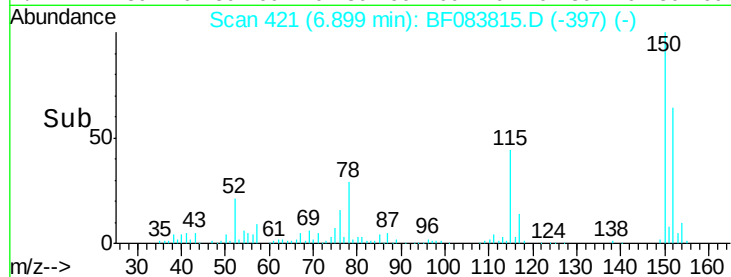
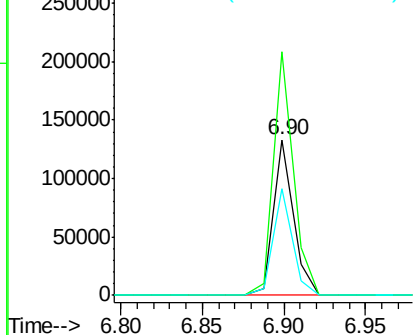
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Instrument :
BNA_F
ClientSampled :
K203-8-10

Tgt Ion:152 Resp: 114549
Ion Ratio Lower Upper
152 100
150 156.5 126.5 189.7
115 68.8 52.3 78.5



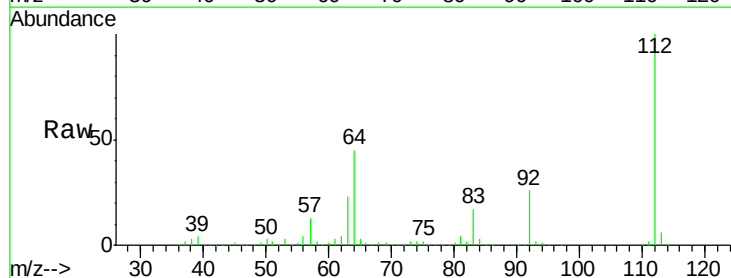
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



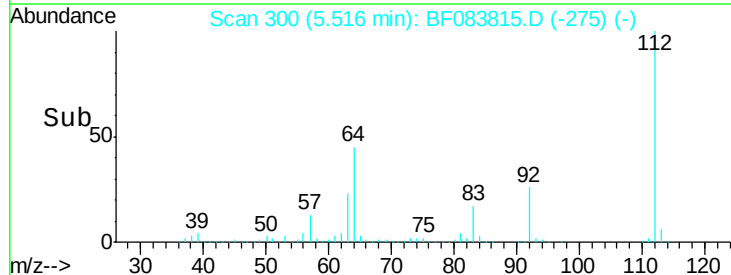
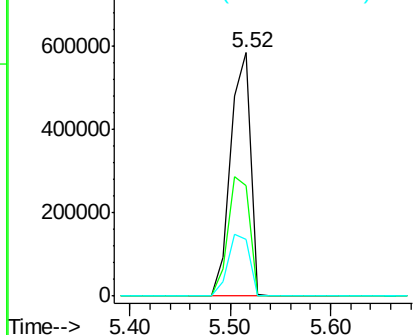
#5

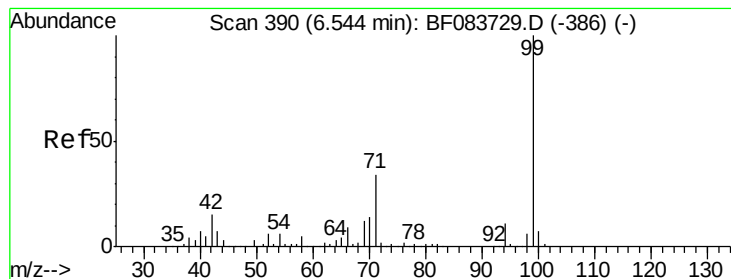
2-Fluorophenol
Concen: 112.55 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Tgt Ion:112 Resp: 799173
Ion Ratio Lower Upper
112 100
64 45.1 50.5 75.7#
63 23.1 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: 99.32 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampled :

K203-8-10

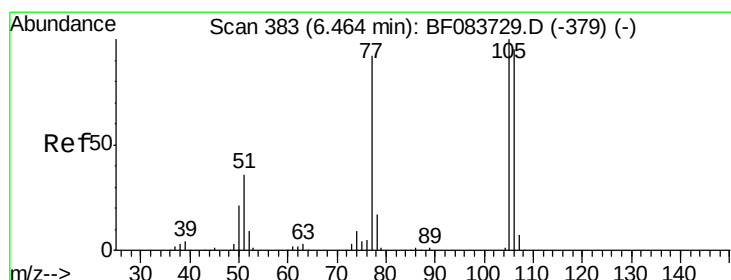
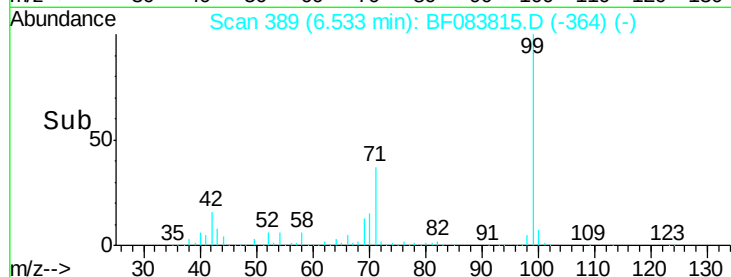
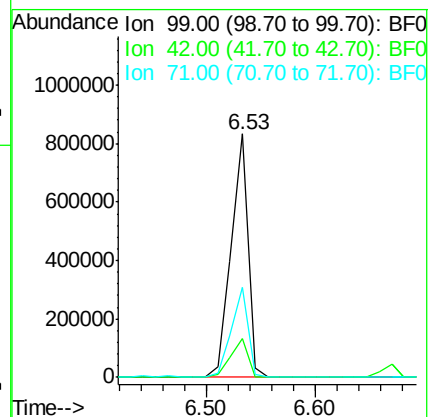
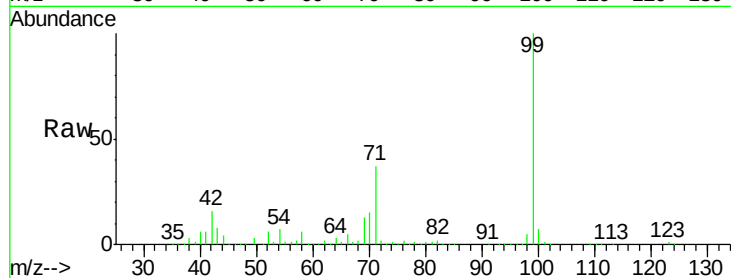
Tgt Ion: 99 Resp: 893042

Ion Ratio Lower Upper

99 100

42 16.0 17.3 25.9#

71 37.2 26.6 40.0



#9

Benzaldehyde

Concen: 3.84 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

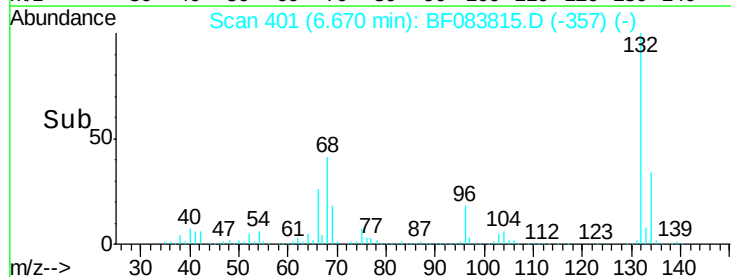
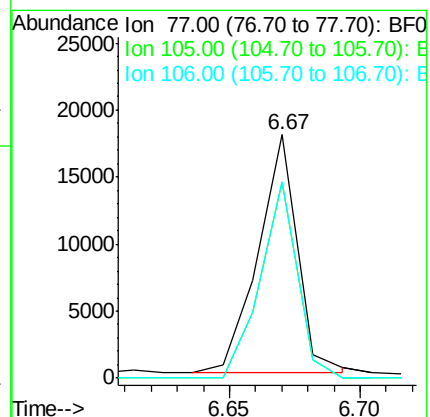
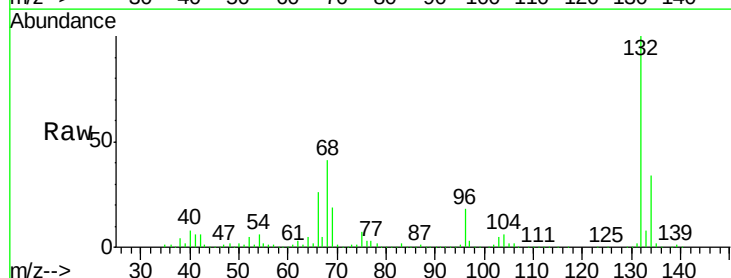
Tgt Ion: 77 Resp: 18530

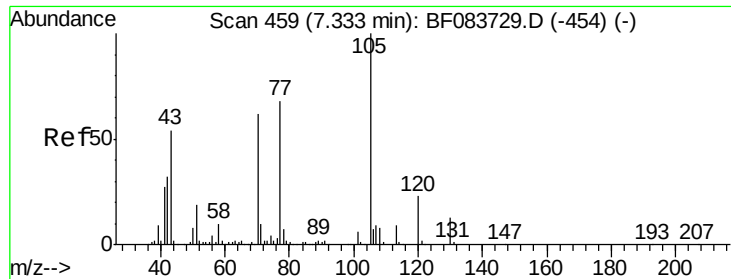
Ion Ratio Lower Upper

77 100

105 80.8 71.8 111.8

106 80.6 66.8 106.8

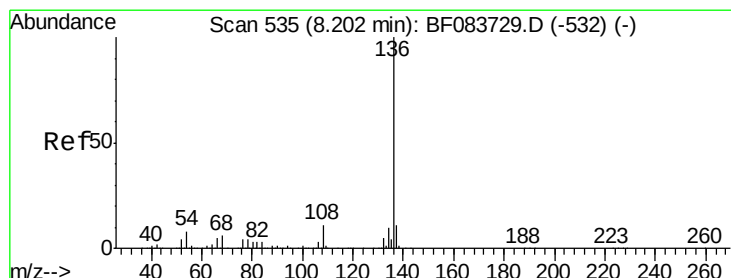
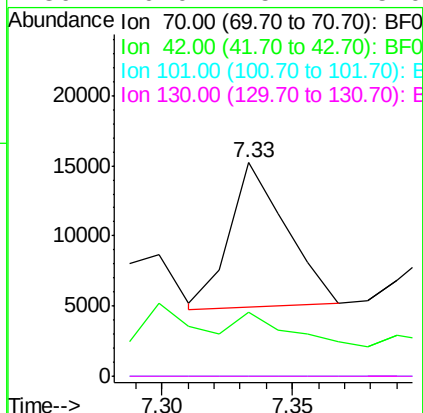
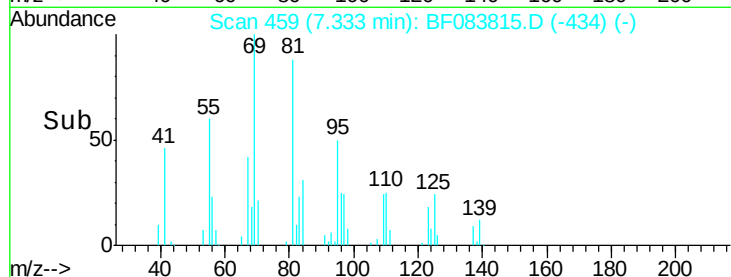
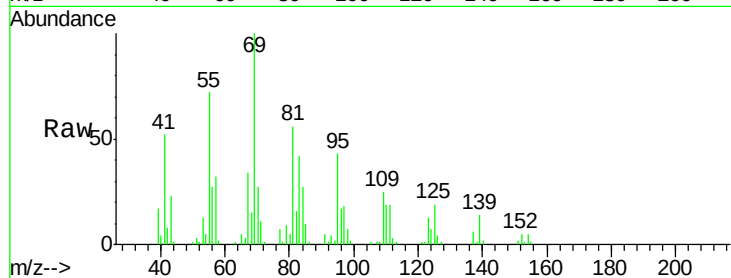




#19
n-Nitroso-di-n-propylamine
Concen: 2.84 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

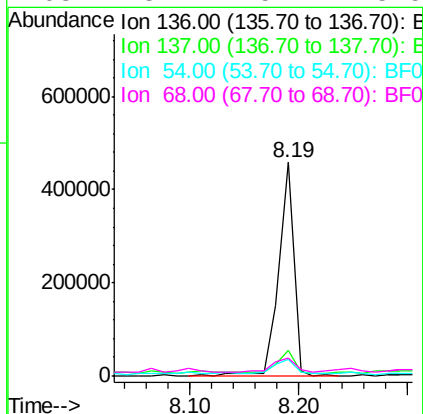
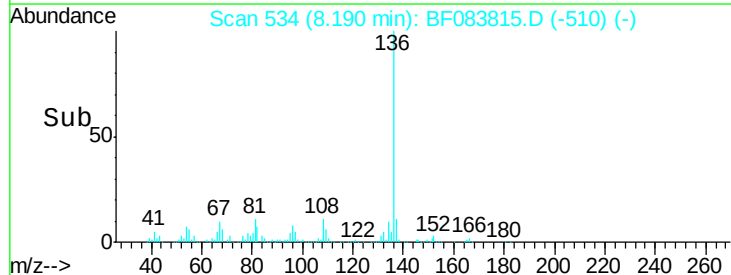
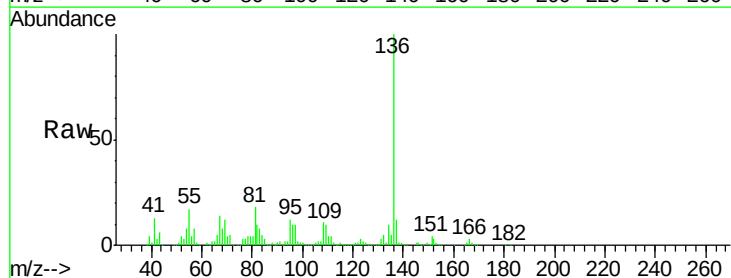
Instrument :
BNA_F
ClientSampleId :
K203-8-10

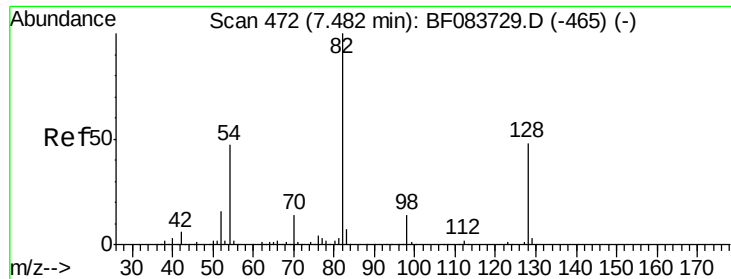
Tgt Ion: 70 Resp: 15660
Ion Ratio Lower Upper
70 100
42 29.8 49.2 73.8#
101 0.0 7.1 10.7#
130 0.0 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Tgt Ion: 136 Resp: 439055
Ion Ratio Lower Upper
136 100
137 12.3 8.7 13.1
54 7.9 7.8 11.6
68 8.2 5.7 8.5

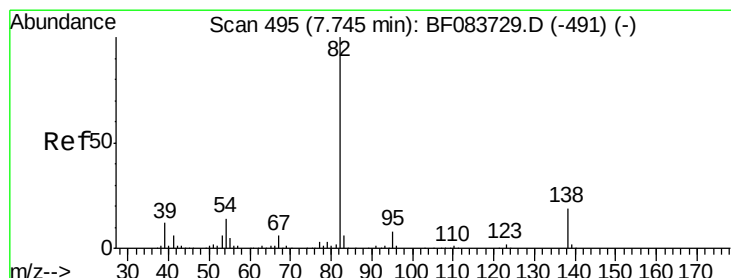
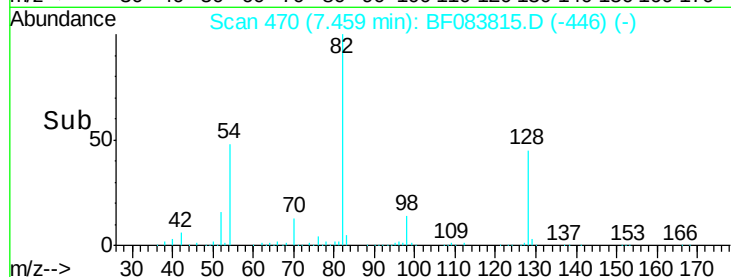
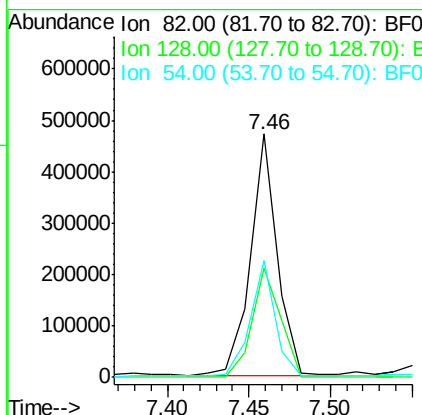
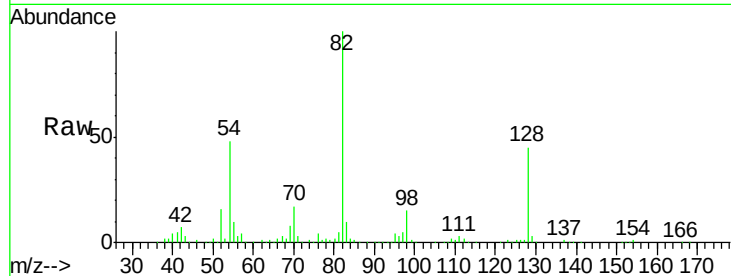




#23
Nitrobenzene-d5
Concen: 67.58 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

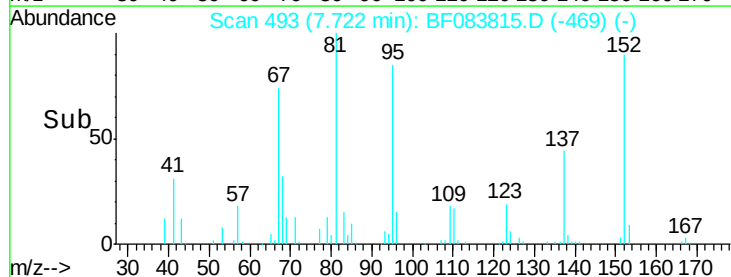
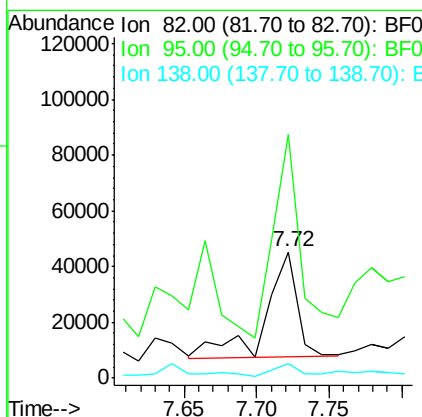
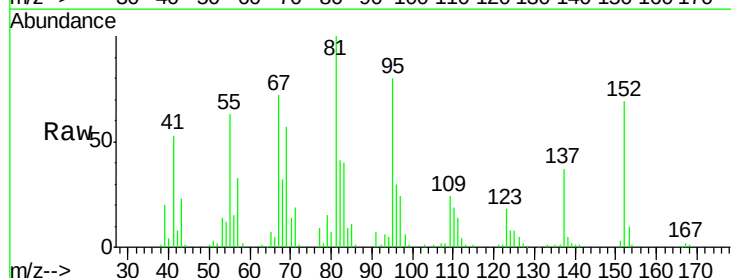
Instrument :
BNA_F
ClientSampleId :
K203-8-10

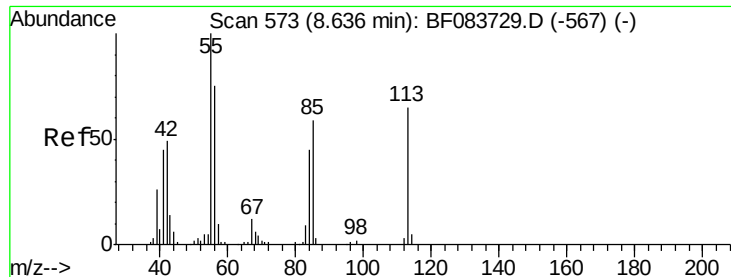
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	30.7	46.1
54	48.0	42.5	63.7



#25
Isophorone
Concen: 3.80 ng
RT: 7.72 min Scan# 493
Delta R.T. -0.02 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Tgt Ion	Ratio	Lower	Upper
82	100		
95	192.5	5.0	7.4#
138	11.4	12.1	18.1#

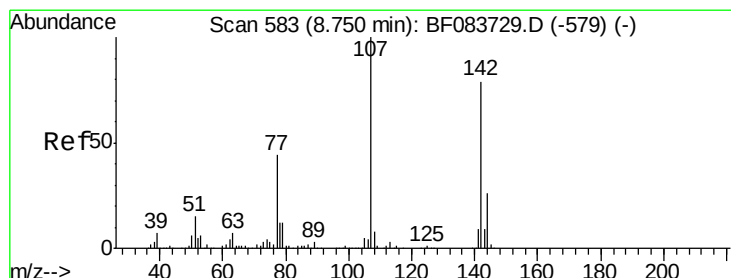
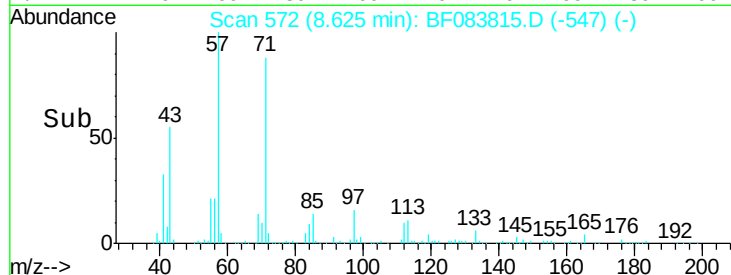
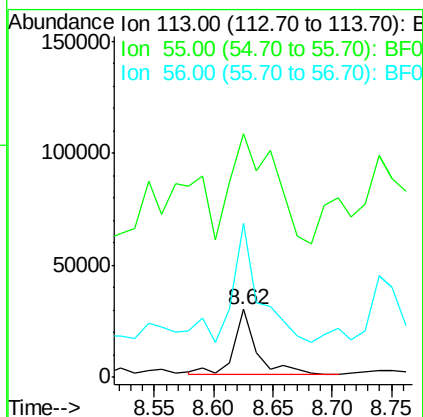
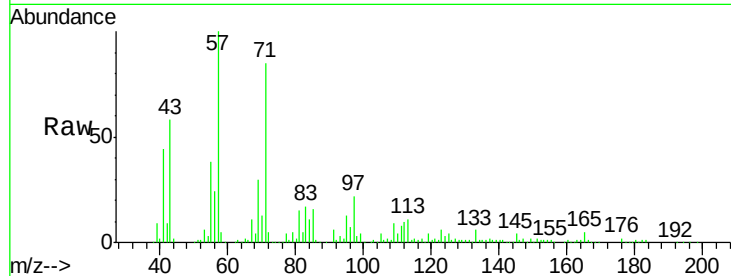




#35
 Caprolactam
 Concen: 18.66 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF083815.D
 Acq: 15 Dec 2015 13:21

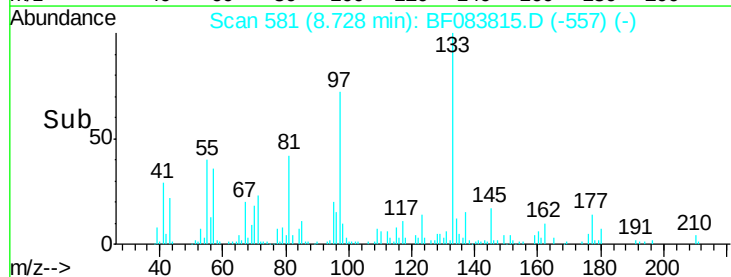
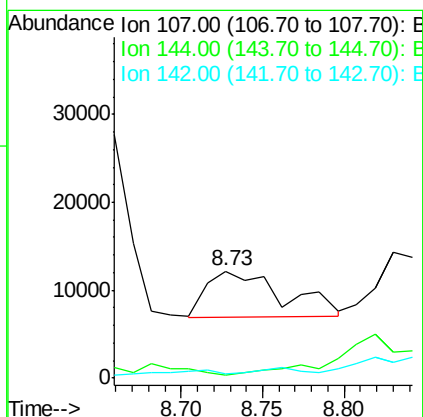
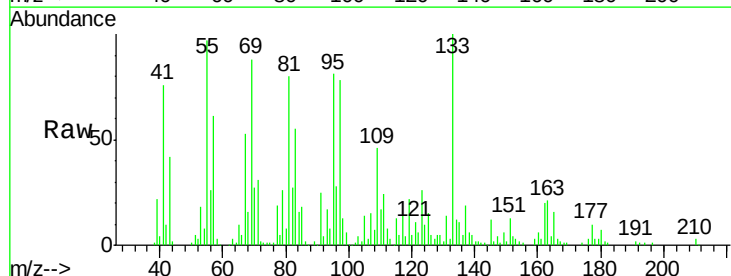
Instrument :
 BNA_F
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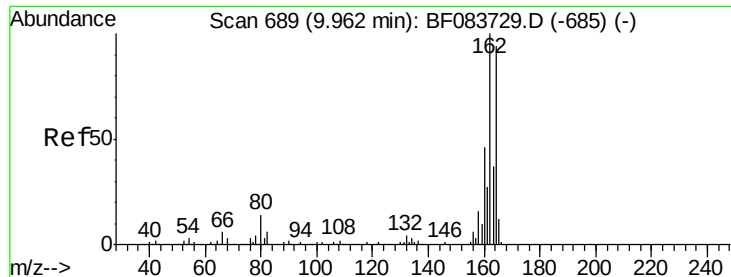
Tgt Ion:113 Resp: 37934
 Ion Ratio Lower Upper
 113 100
 55 357.8 189.7 229.7#
 56 226.8 130.7 170.7#



#36
 4-Chloro-3-methylphenol
 Concen: 2.31 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: BF083815.D
 Acq: 15 Dec 2015 13:21

Tgt Ion:107 Resp: 17126
 Ion Ratio Lower Upper
 107 100
 144 2.8 17.5 26.3#
 142 3.4 53.6 80.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

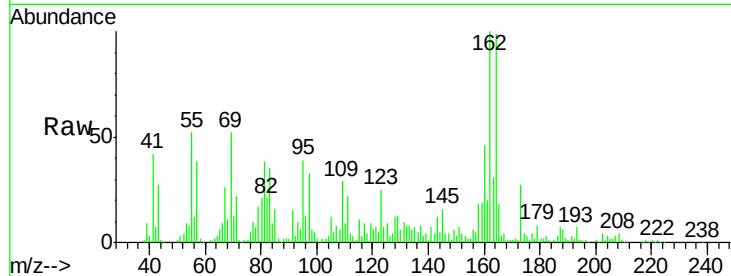
Tgt Ion:164 Resp: 170069

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

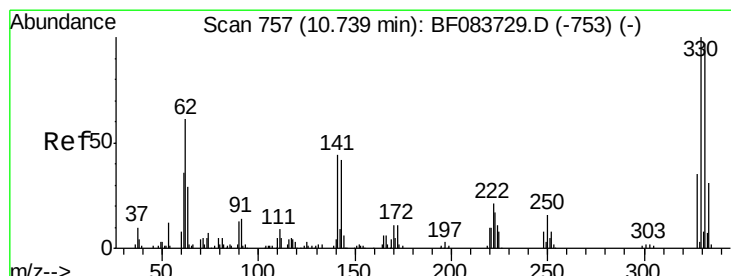
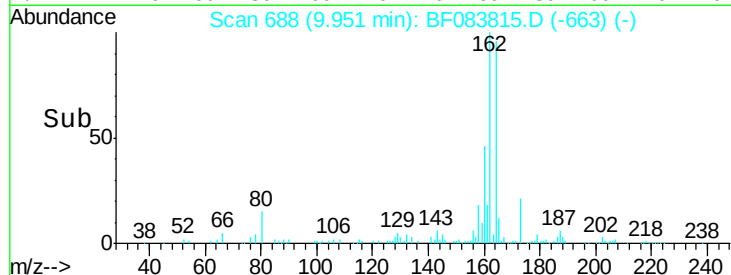
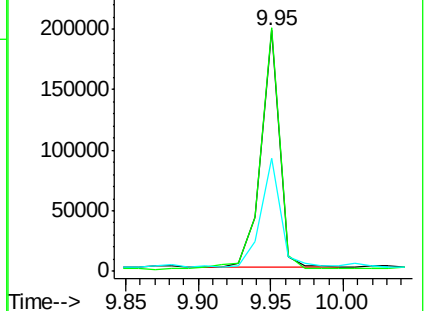
160 47.0 33.4 50.2



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: 109.30 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

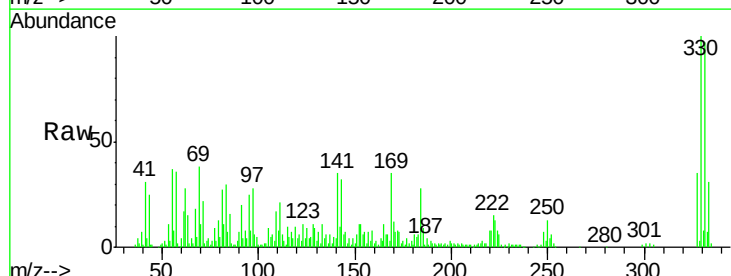
Tgt Ion:330 Resp: 189408

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

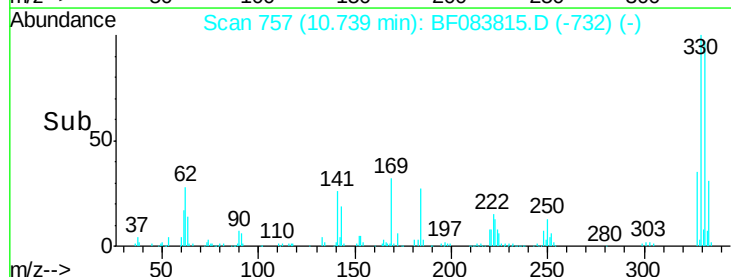
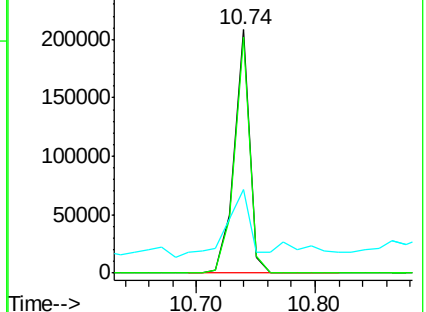
141 41.4 0.0 0.0#

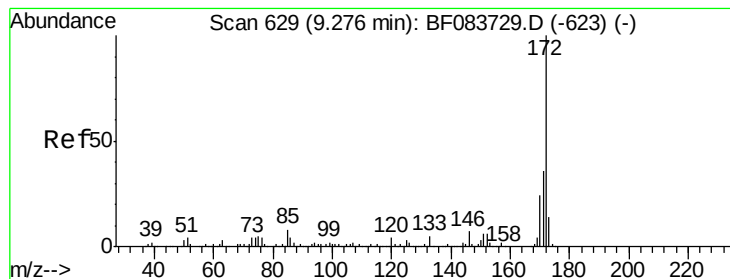


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 71.86 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

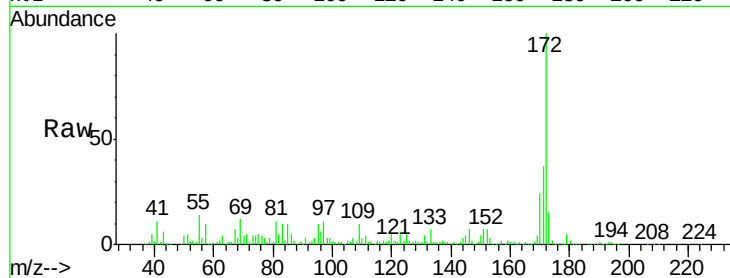
Tgt Ion:172 Resp: 873530

Ion Ratio Lower Upper

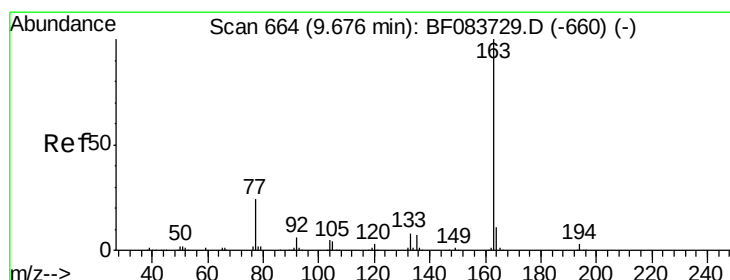
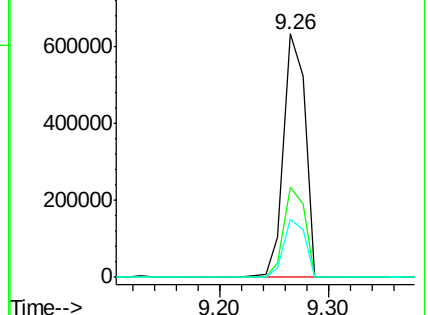
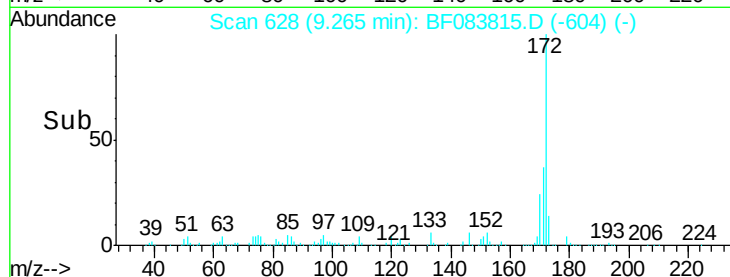
172 100

171 37.0 28.6 42.8

170 23.9 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



#49

Dimethylphthalate

Concen: 5.66 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

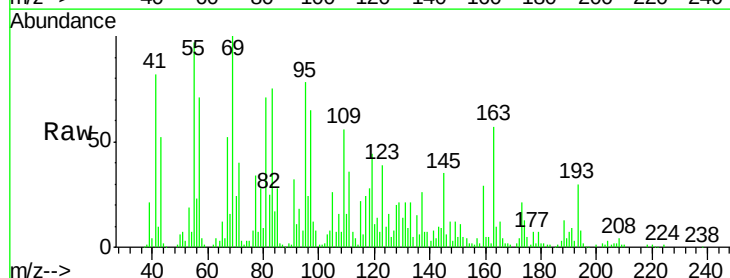
Tgt Ion:163 Resp: 74980

Ion Ratio Lower Upper

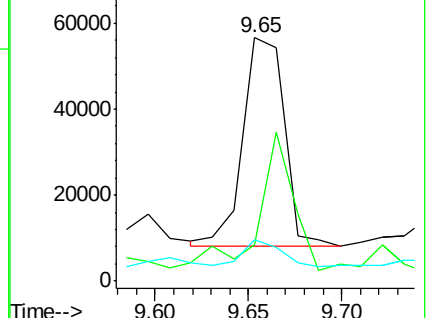
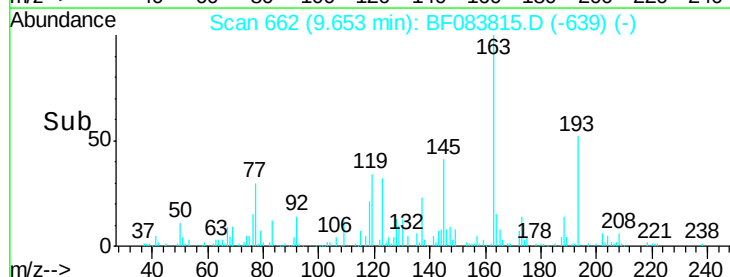
163 100

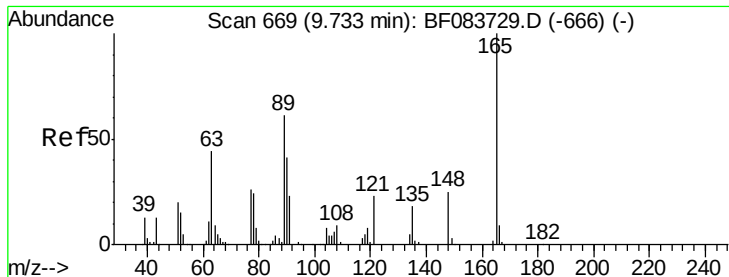
194 14.8 2.8 4.2#

164 16.9 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





#50

2,6-Dinitrotoluene

Concen: 5.74 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

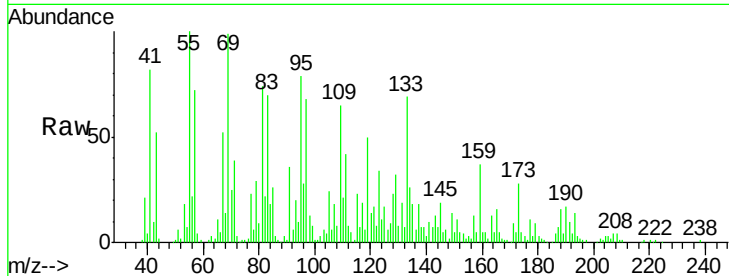
Tgt Ion:165 Resp: 16161

Ion Ratio Lower Upper

165 100

63 19.8 56.9 85.3#

89 17.6 52.1 78.1#

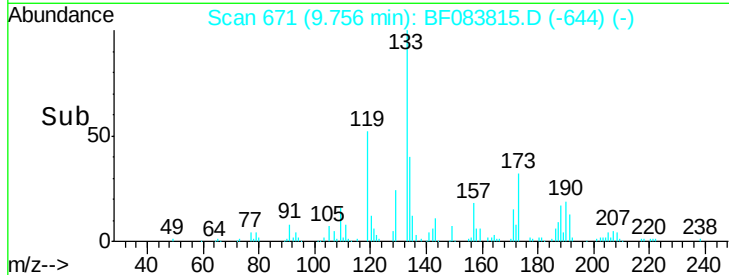


Abundance Ion 165.00 (164.70 to 165.70): E

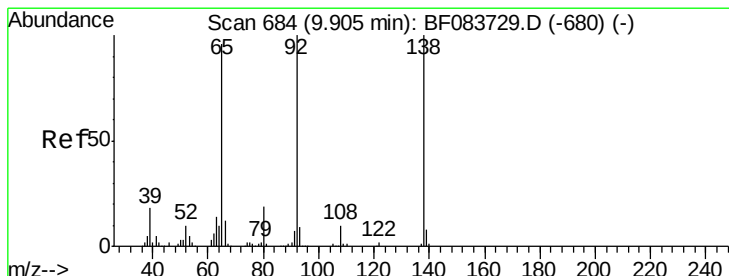
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



Time-->



#52

3-Nitroaniline

Concen: 3.05 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

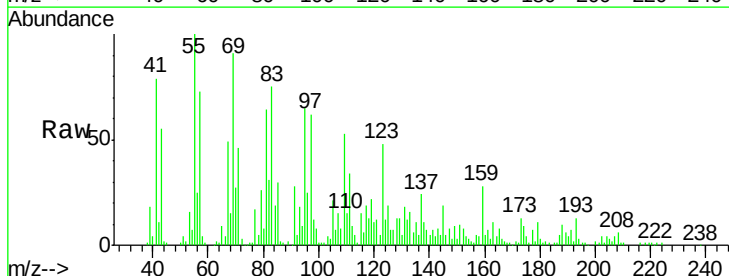
Tgt Ion:138 Resp: 9908

Ion Ratio Lower Upper

138 100

108 66.1 9.9 14.9#

92 44.7 113.8 170.8#

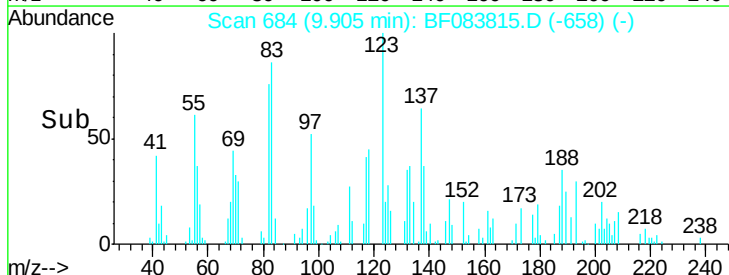


Abundance Ion 138.00 (137.70 to 138.70): E

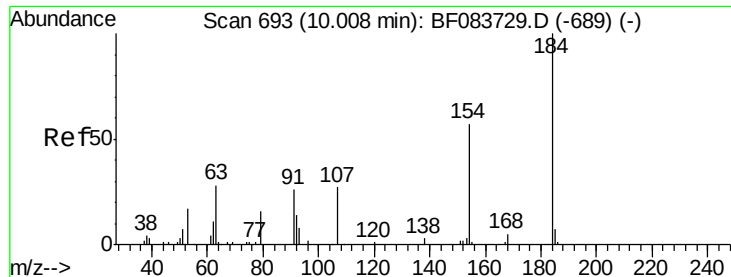
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

Time-->



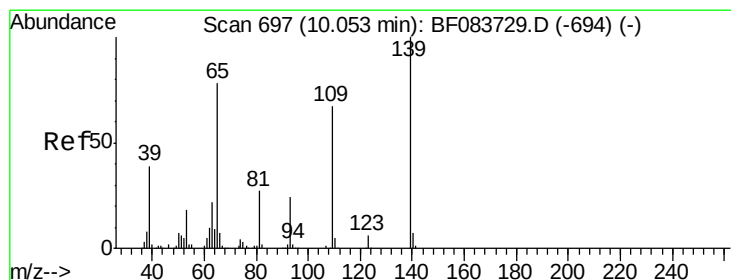
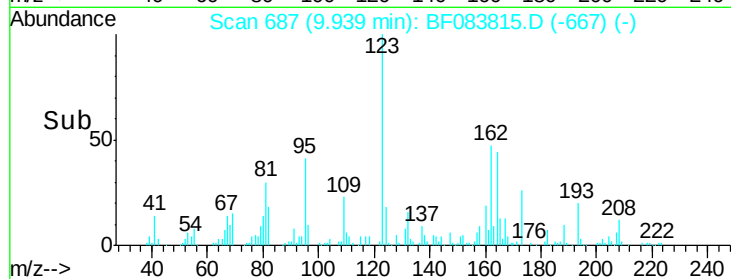
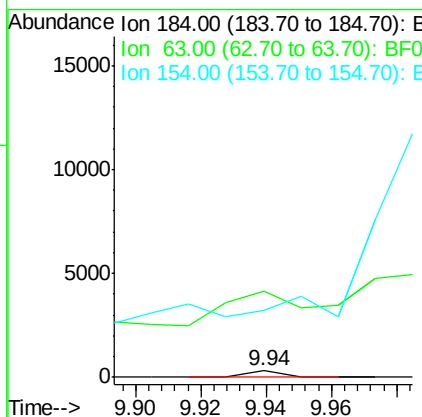
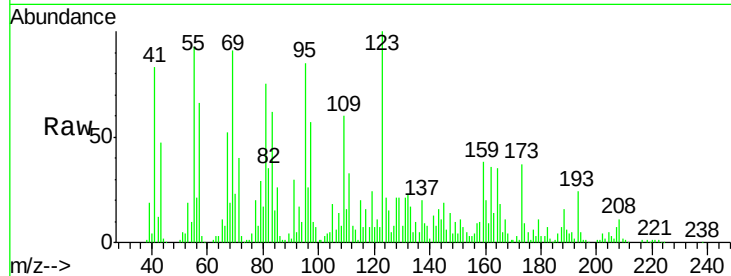
Time-->



#53
2,4-Dinitrophenol
Concen: 2.57 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

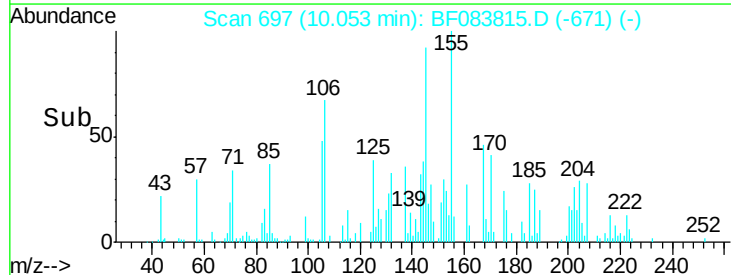
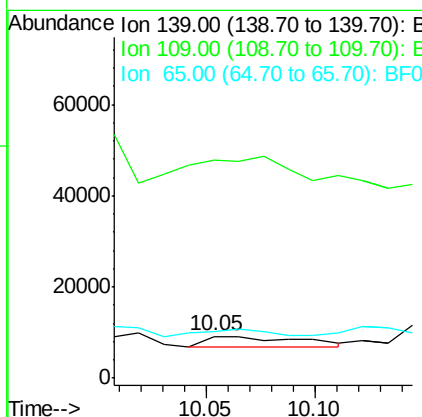
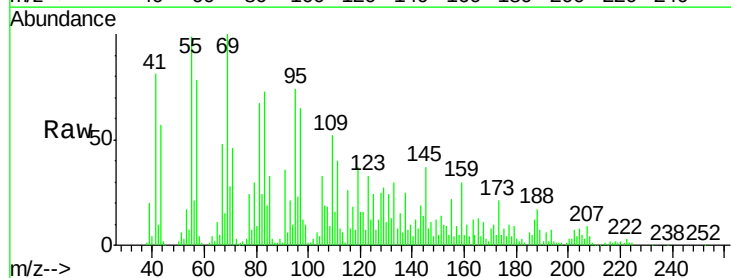
Instrument :
BNA_F
ClientSampleId :
K203-8-10

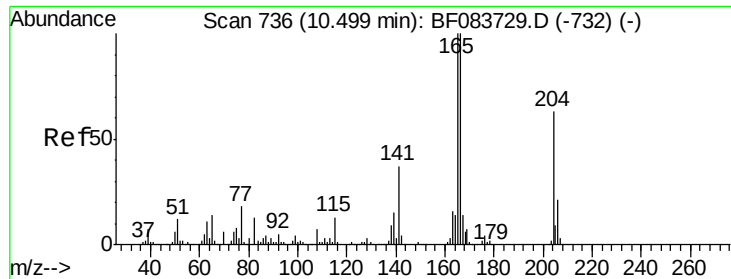
Tgt Ion:184 Resp: 217
Ion Ratio Lower Upper
184 100
63 1318.0 62.4 93.6#
154 1018.6 46.6 69.8#



#55
4-Nitrophenol
Concen: 2.76 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Tgt Ion:139 Resp: 6634
Ion Ratio Lower Upper
139 100
109 520.3 42.0 82.0#
65 111.4 89.2 129.2

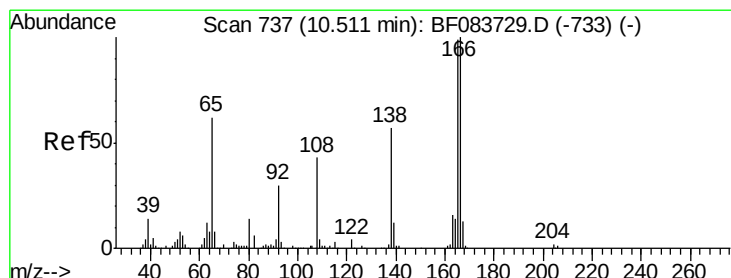
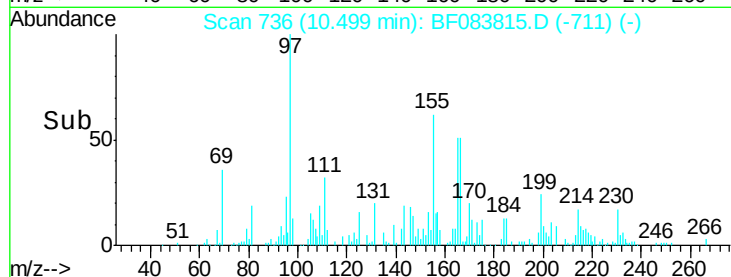
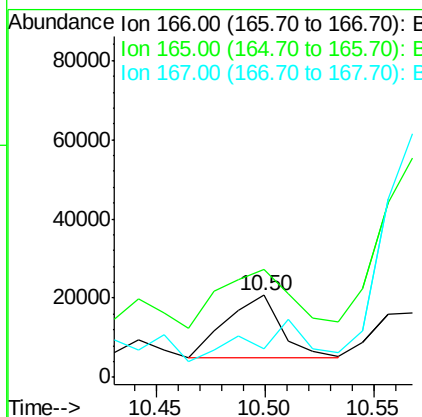
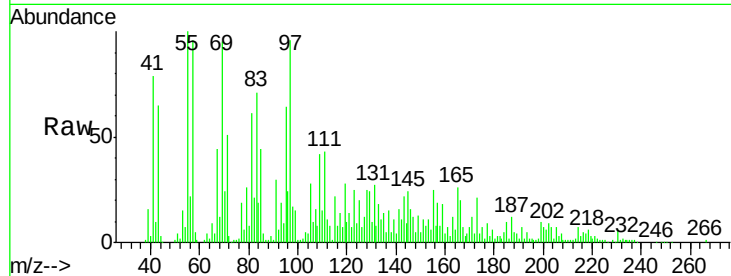




#57
 Fluorene
 Concen: 2.32 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF083815.D
 Acq: 15 Dec 2015 13:21

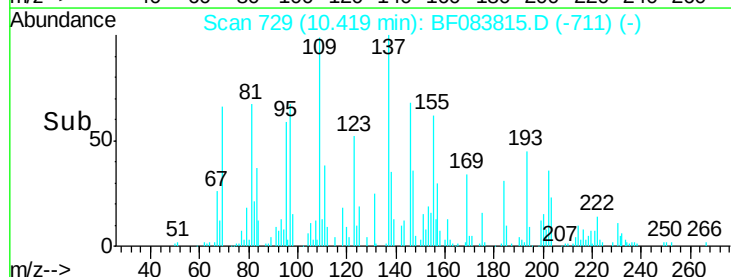
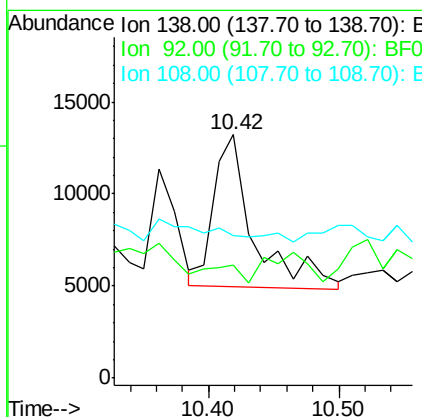
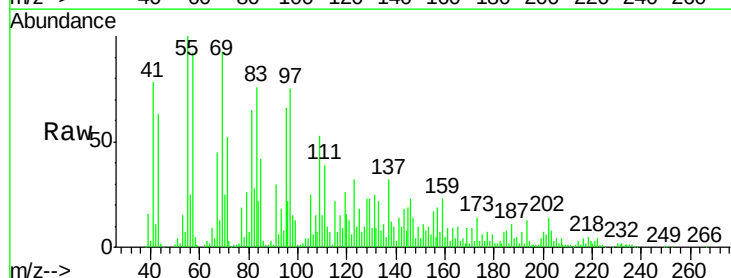
Instrument :
 BNA_F
 ClientSampleId :
 K203-8-10

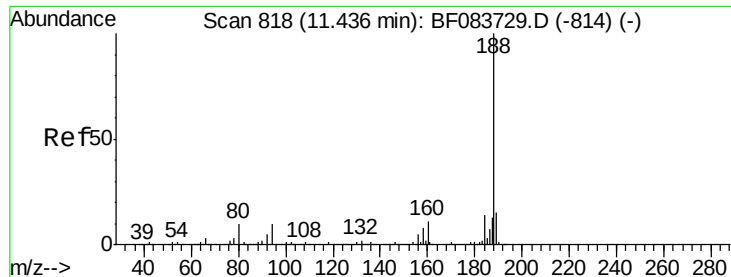
Tgt Ion:166 Resp: 27352
 Ion Ratio Lower Upper
 166 100
 165 131.5 80.0 120.0#
 167 35.1 10.6 16.0#



#61
 4-Nitroaniline
 Concen: 6.17 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.09 min
 Lab File: BF083815.D
 Acq: 15 Dec 2015 13:21

Tgt Ion:138 Resp: 17631
 Ion Ratio Lower Upper
 138 100
 92 46.5 29.0 69.0
 108 58.7 47.4 87.4

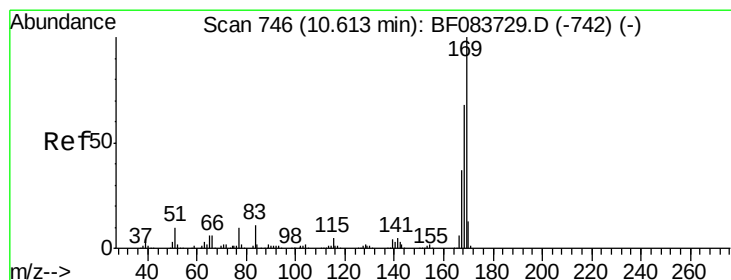
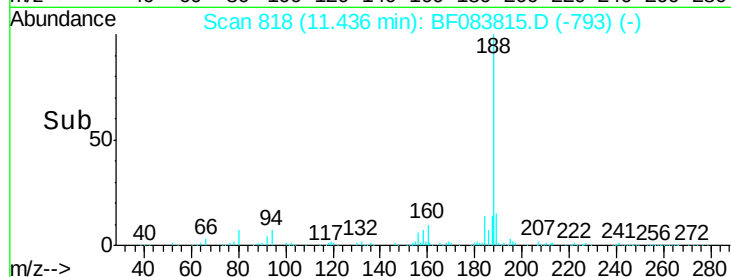
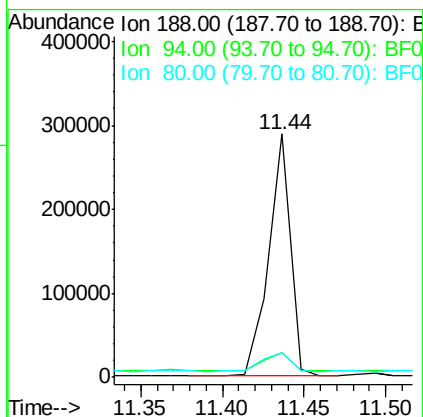
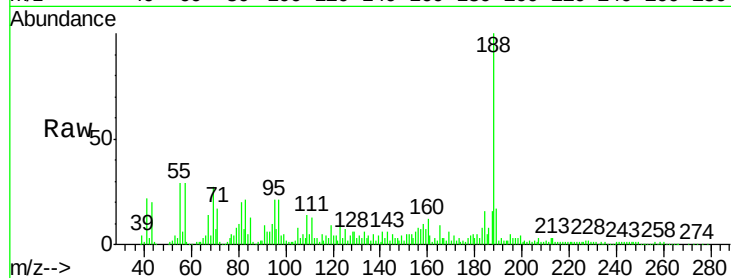




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

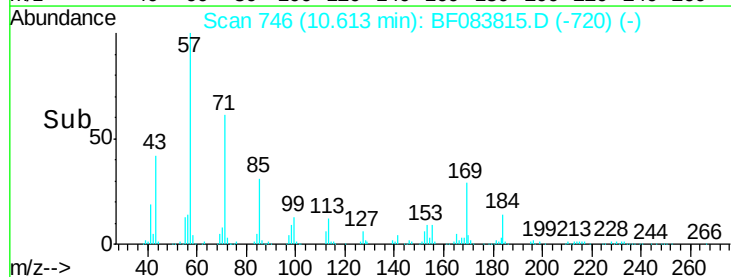
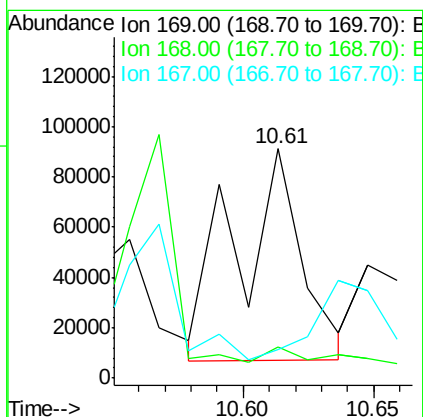
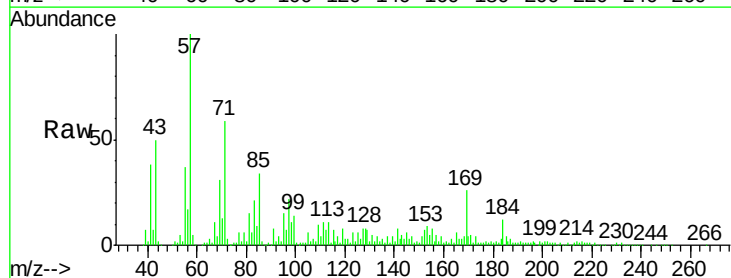
Instrument :
BNA_F
ClientSampleId :
K203-8-10

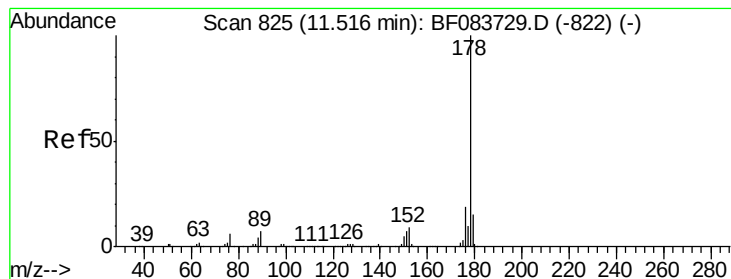
Tgt Ion:188 Resp: 268828
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 9.9 10.6 16.0#



#65
n-Nitrosodiphenylamine
Concen: 16.06 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF083815.D
Acq: 15 Dec 2015 13:21

Tgt Ion:169 Resp: 147639
Ion Ratio Lower Upper
169 100
168 13.8 53.0 79.6#
167 12.7 29.3 43.9#





#71

Anthracene

Concen: 2.02 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampled :

K203-8-10

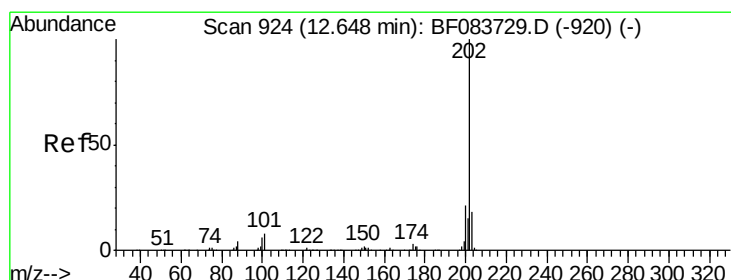
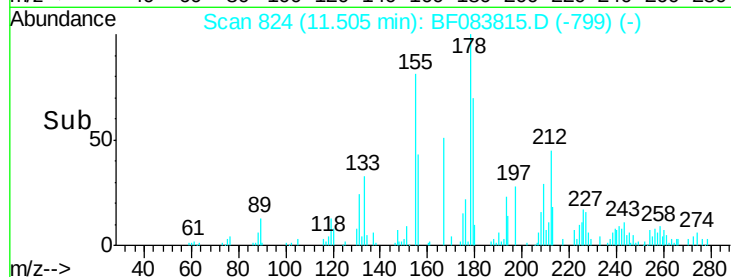
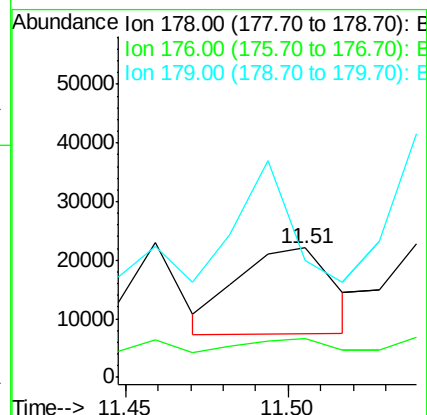
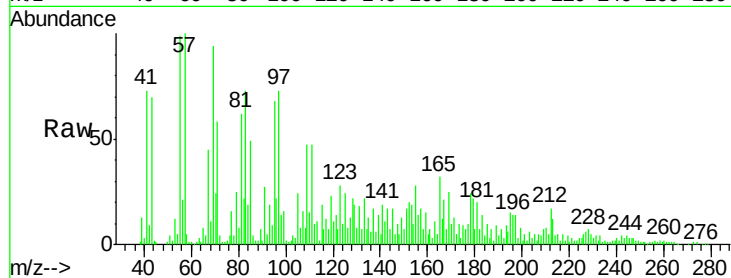
Tgt Ion:178 Resp: 30003

Ion Ratio Lower Upper

178 100

176 29.6 15.2 22.8#

179 90.7 12.6 18.8#



#74

Fluoranthene

Concen: 2.70 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

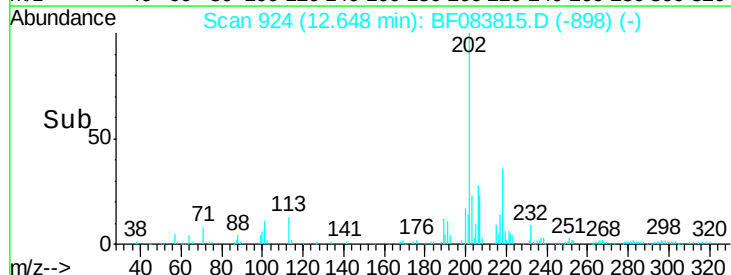
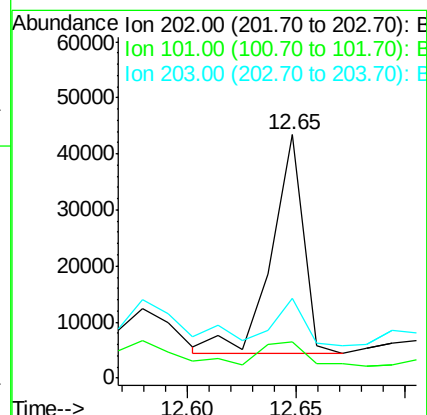
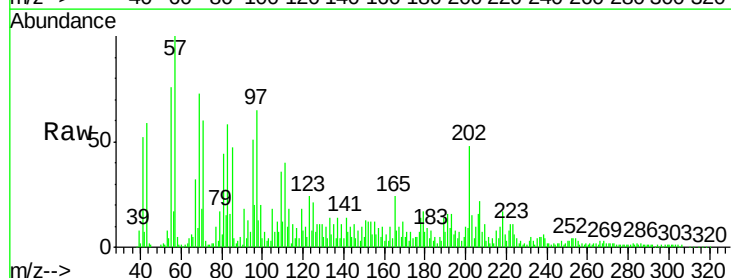
Tgt Ion:202 Resp: 39784

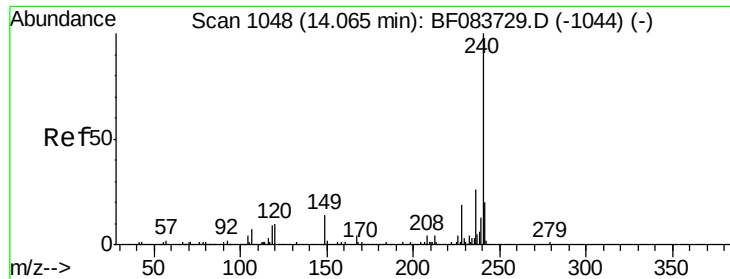
Ion Ratio Lower Upper

202 100

101 14.7 0.0 31.5

203 32.5 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

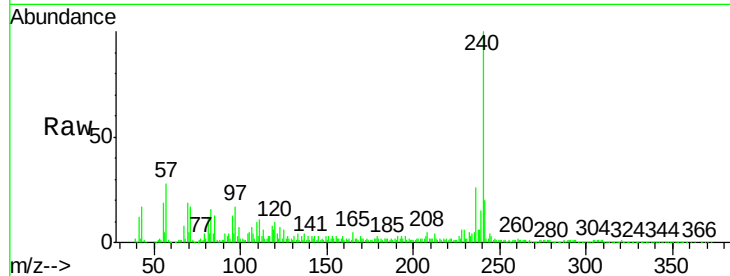
Tgt Ion:240 Resp: 245605

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

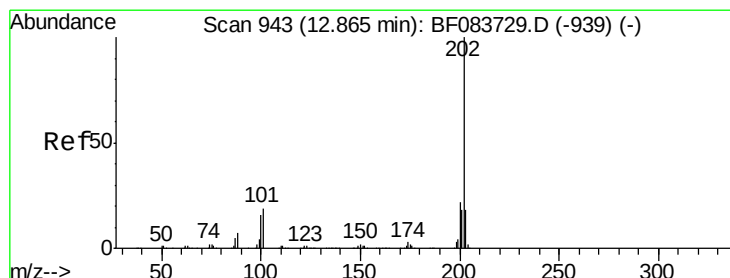
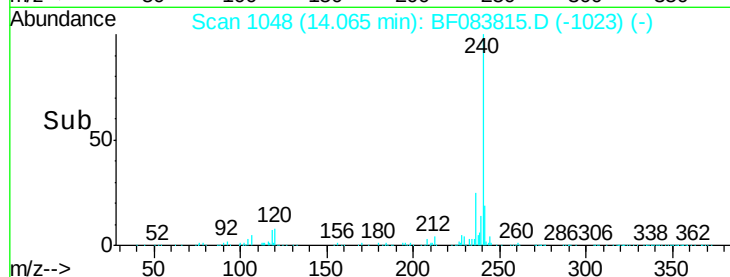
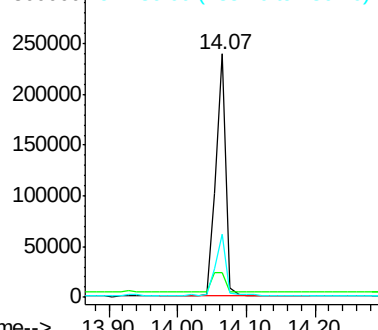
236 25.7 20.8 31.2



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: 5.09 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

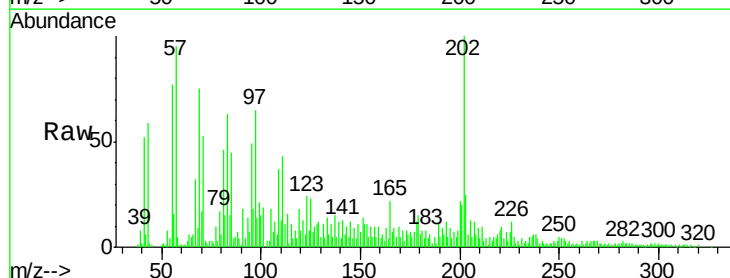
Tgt Ion:202 Resp: 98833

Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

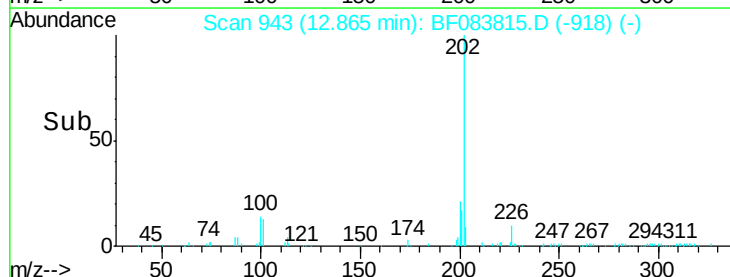
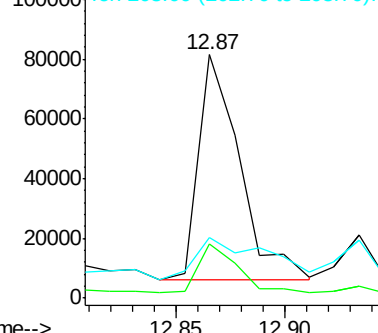
203 25.0 14.3 21.5#

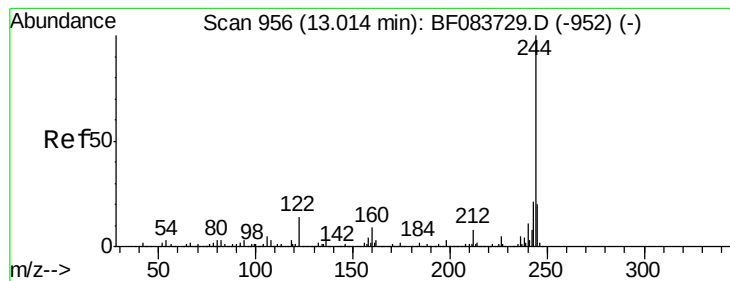


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.50 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

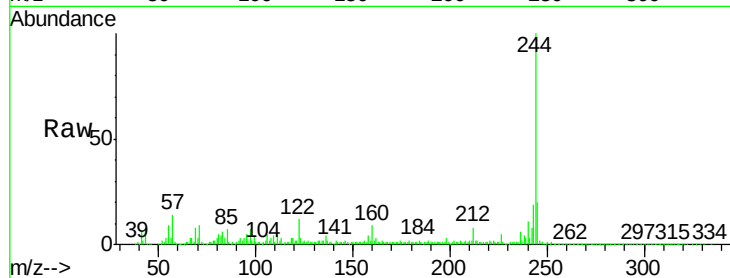
Tgt Ion:244 Resp: 622285

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

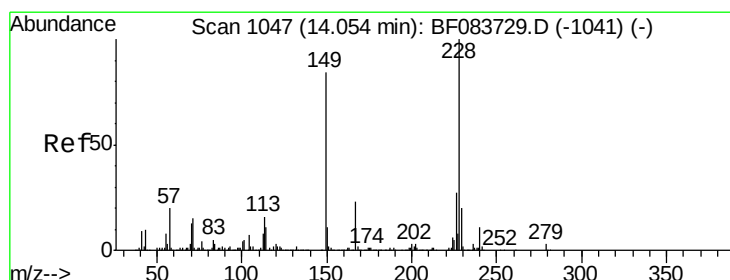
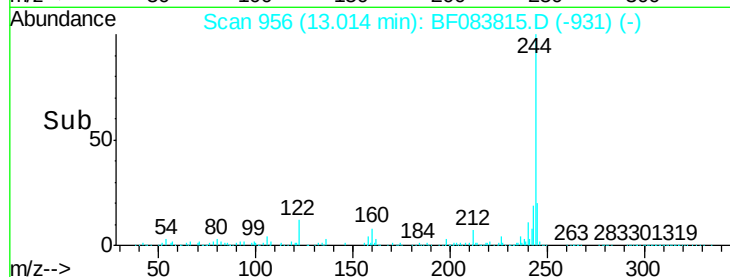
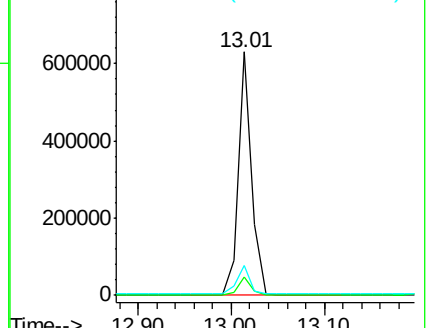
122 12.4 11.0 16.6



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: 6.49 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.02 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

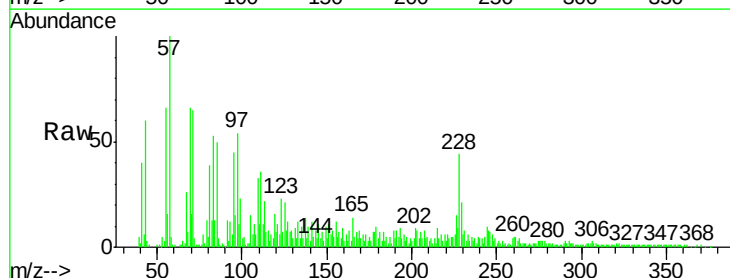
Tgt Ion:228 Resp: 90634

Ion Ratio Lower Upper

228 100

226 35.4 22.3 33.5#

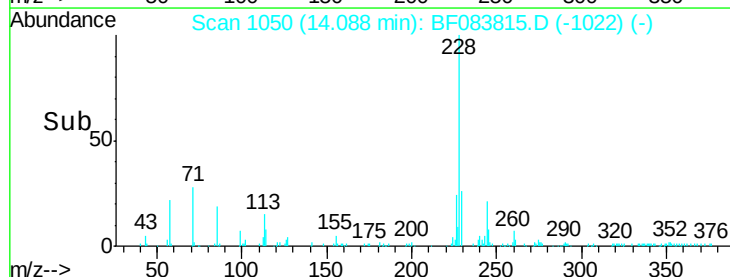
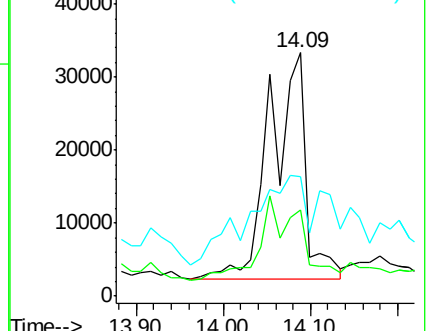
229 48.9 15.7 23.5#

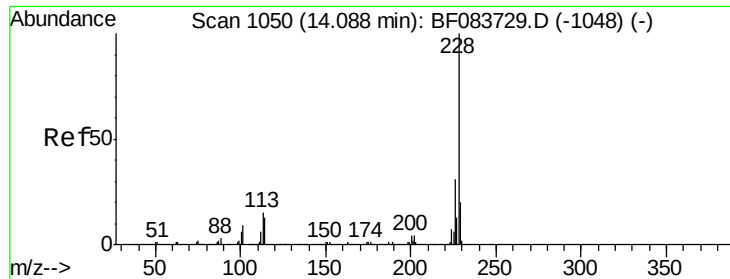


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.65 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

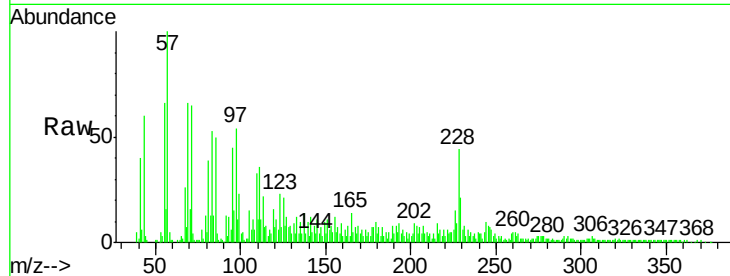
Tgt Ion:228 Resp: 90634

Ion Ratio Lower Upper

228 100

226 35.4 24.7 37.1

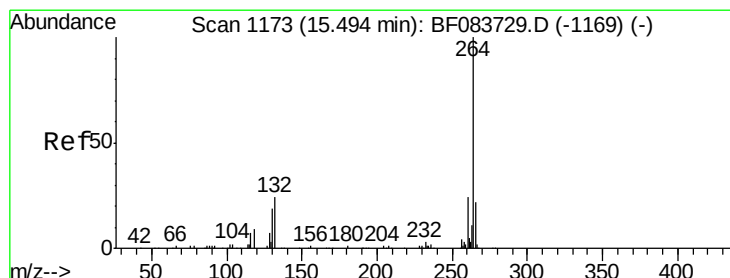
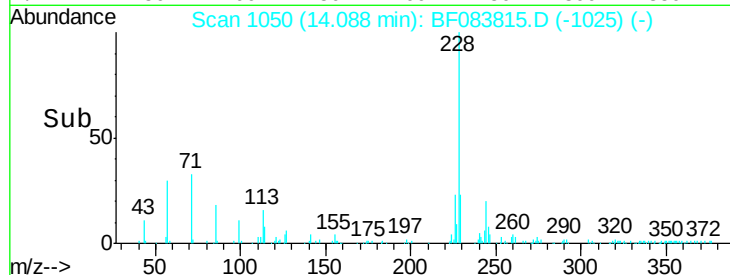
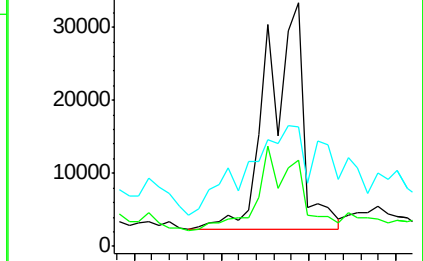
229 48.9 16.3 24.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

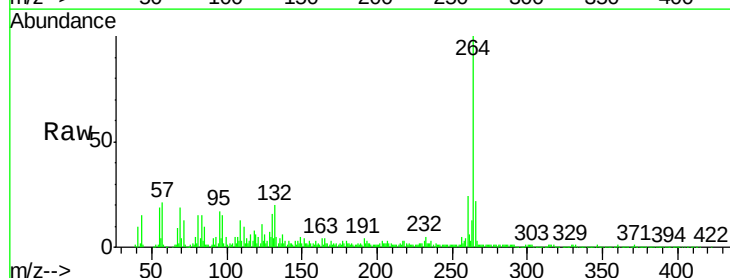
Tgt Ion:264 Resp: 217664

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

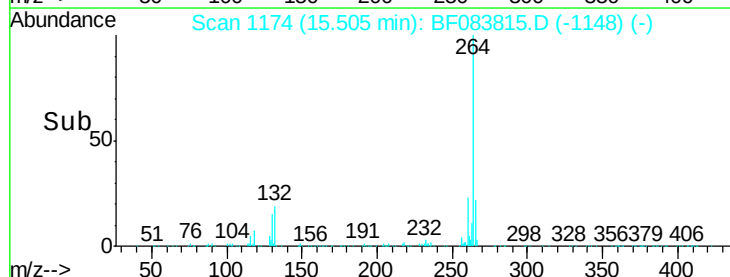
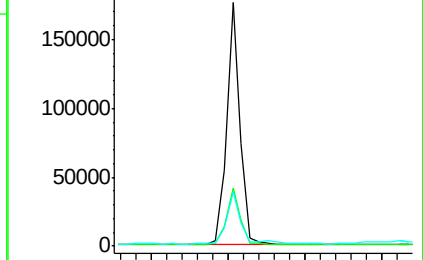
265 22.4 17.8 26.6

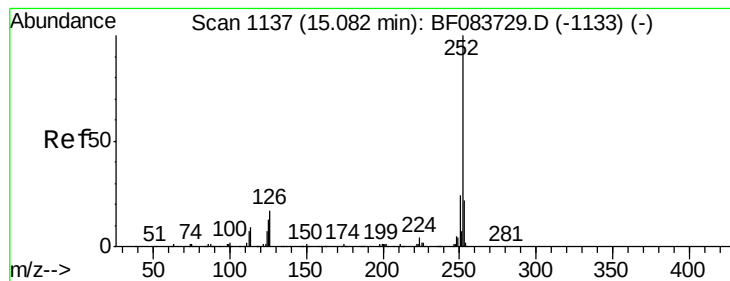


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.59 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Instrument :

BNA_F

ClientSampleId :

K203-8-10

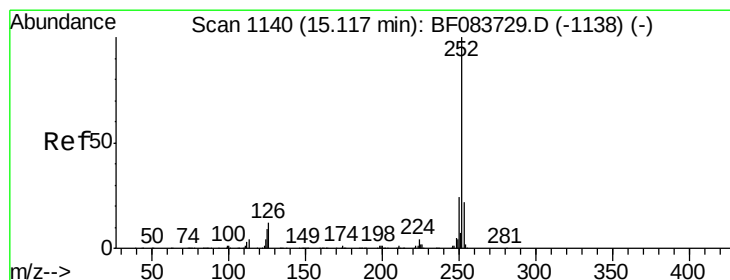
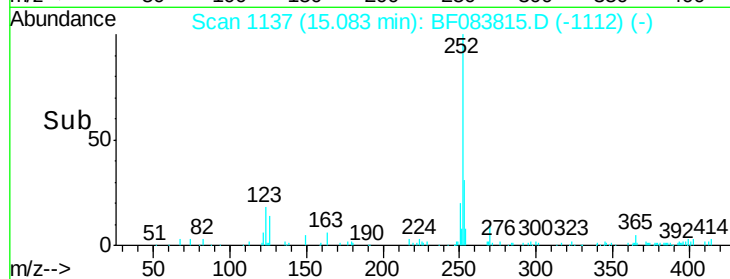
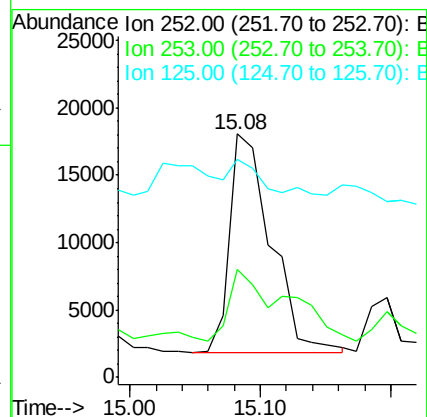
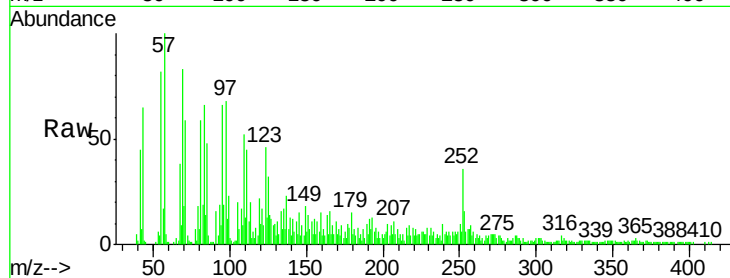
Tgt Ion:252 Resp: 35966

Ion Ratio Lower Upper

252 100

253 44.2 18.2 27.4#

125 89.4 8.2 12.4#



#88

Benzo(k)fluoranthene

Concen: 2.86 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.05 min

Lab File: BF083815.D

Acq: 15 Dec 2015 13:21

Tgt Ion:252 Resp: 35966

Ion Ratio Lower Upper

252 100

253 44.2 18.6 27.8#

125 89.4 11.5 17.3#

