

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083840.D
 Acq On : 16 Dec 2015 3:42
 Operator : UM/IZ
 Sample : G4739-07DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

Quant Time: Dec 16 04:35:29 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	90152	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	348444	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	150459	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	249697	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	197645	20.00	ng	-0.02
86) Perylene-d12	15.49	264	151736	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	122555	21.93	ng	-0.02
7) Phenol-d6	6.52	99	146384	20.69	ng	-0.02
23) Nitrobenzene-d5	7.46	82	90543	14.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	26901	17.55	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	160543	13.11	ng	-0.02
78) Terphenyl-d14	13.00	244	109234	11.89	ng	-0.02

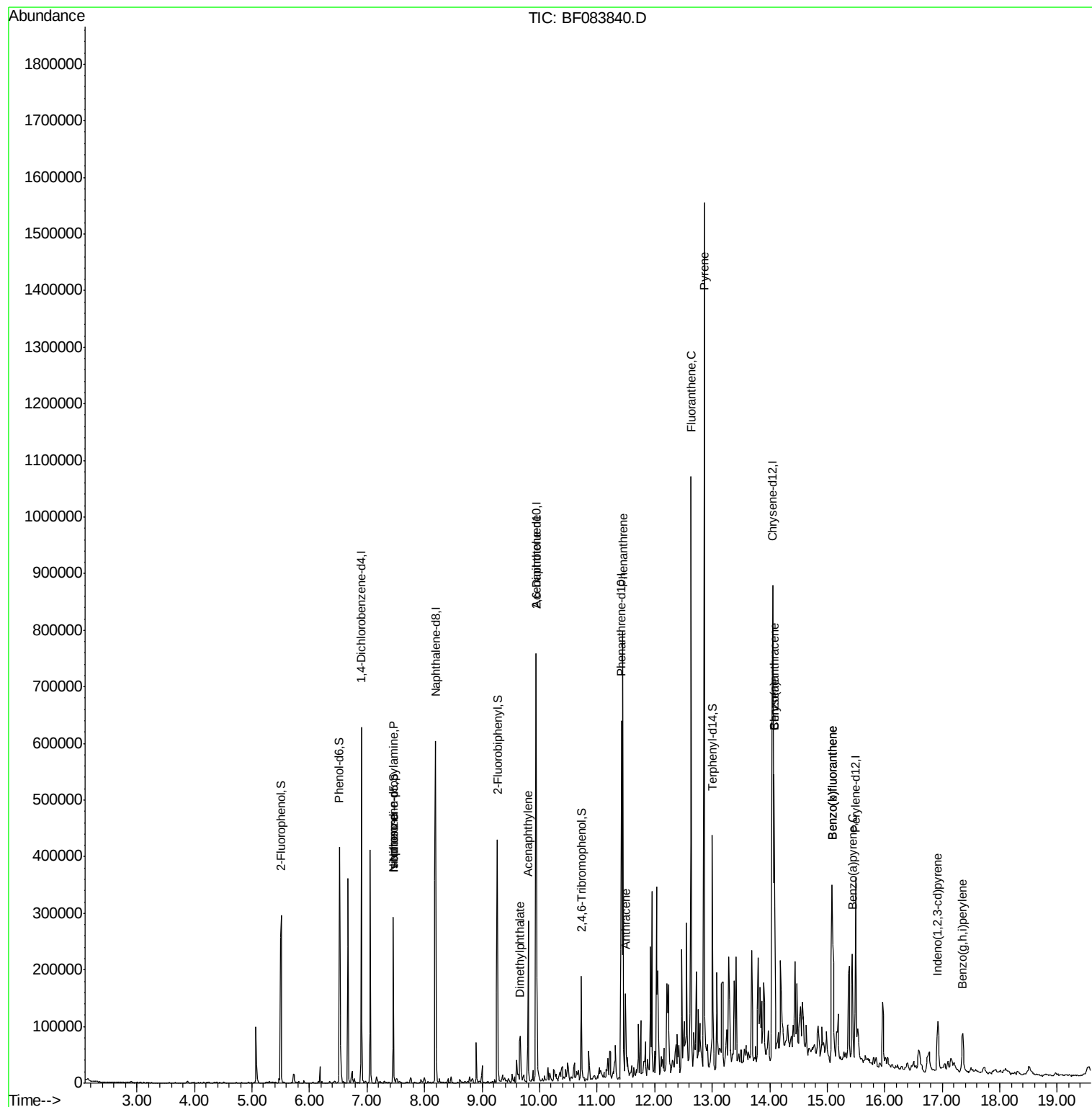
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	11524	2.66	ng	# 69
25) Isophorone	7.46	82	76127	6.23	ng	# 69
48) Acenaphthylene	9.80	152	121735	7.35	ng	99
49) Dimethylphthalate	9.65	163	24407	2.08	ng	99
50) 2,6-Dinitrotoluene	9.94	165	20274	8.14	ng	# 18
70) Phenanthrene	11.45	178	287241	21.65	ng	99
71) Anthracene	11.49	178	66312	4.81	ng	98
74) Fluoranthene	12.64	202	422899	30.85	ng	98
77) Pyrene	12.87	202	647050	41.42	ng	99
80) Benzo(a)anthracene	14.08	228	190048	16.91	ng	96
82) Chrysene	14.08	228	190284	17.36	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	62512	5.81	ng	# 100
87) Benzo(b)fluoranthene	15.08	252	220003	22.73	ng	# 95
88) Benzo(k)fluoranthene	15.08	252	220003	25.08	ng	97
89) Benzo(a)pyrene	15.44	252	75849	8.78	ng	99
91) Benzo(g,h,i)perylene	17.36	276	63360	7.18	ng	98

(#) = 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: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

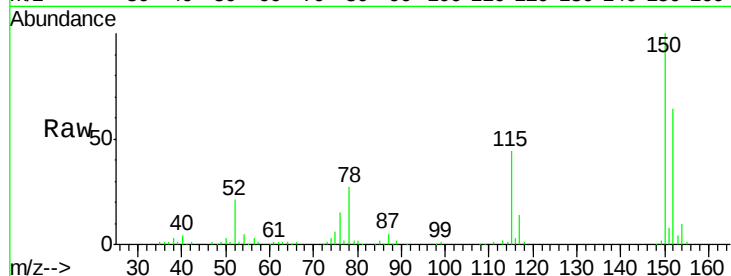
Tgt Ion:152 Resp: 90152

Ion Ratio Lower Upper

152 100

150 156.6 126.5 189.7

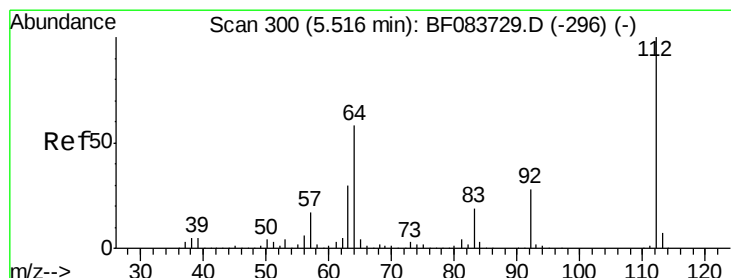
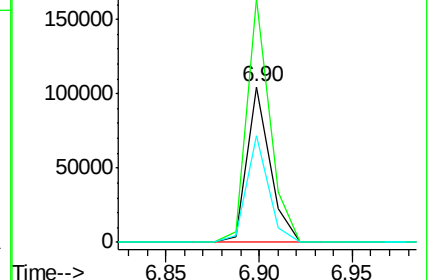
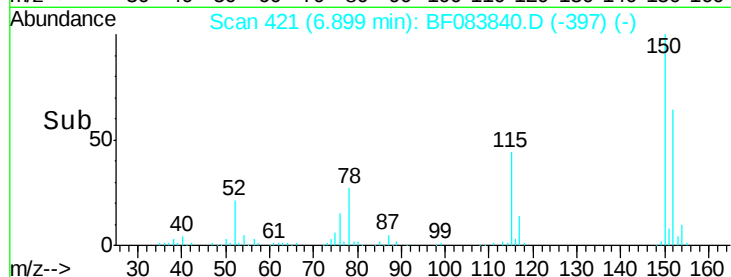
115 68.6 52.3 78.5



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: 21.93 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

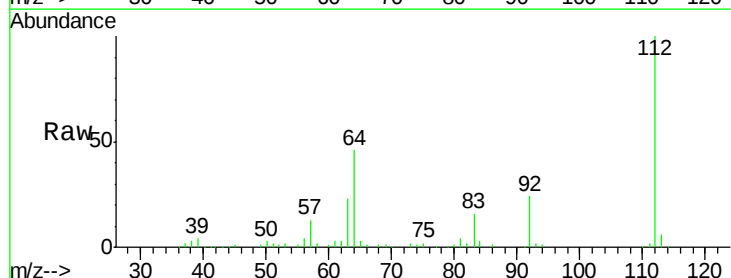
Tgt Ion:112 Resp: 122555

Ion Ratio Lower Upper

112 100

64 45.7 50.5 75.7#

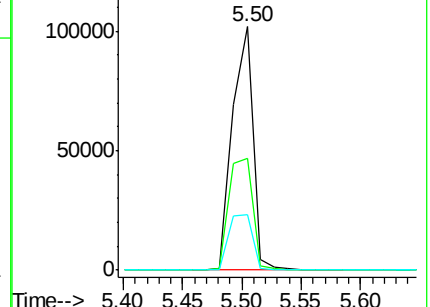
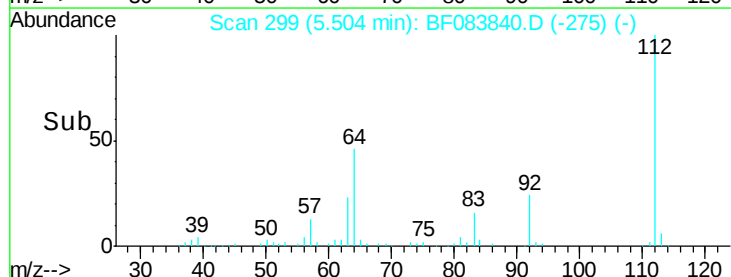
63 22.9 25.8 38.6#



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: 20.69 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

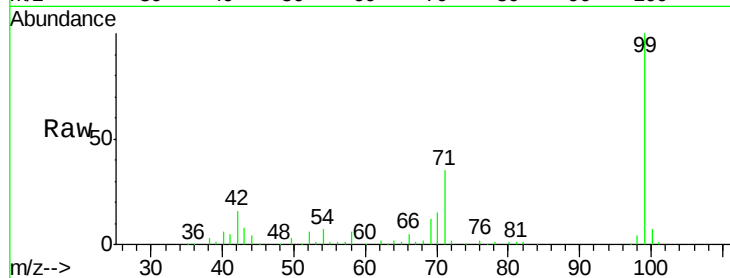
Tgt Ion: 99 Resp: 146384

Ion Ratio Lower Upper

99 100

42 15.9 17.3 25.9#

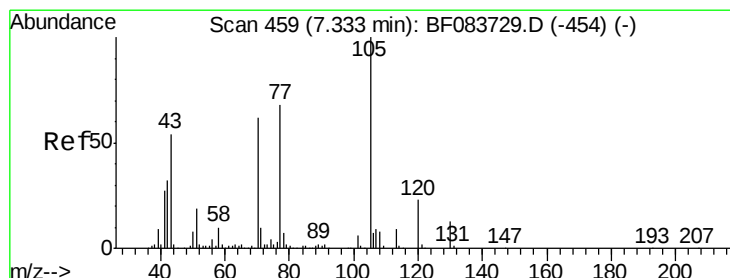
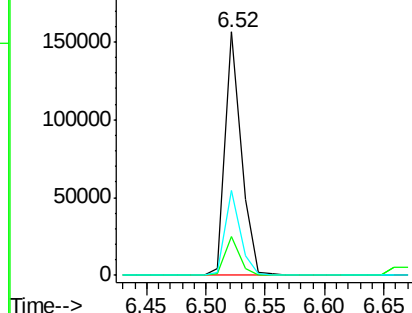
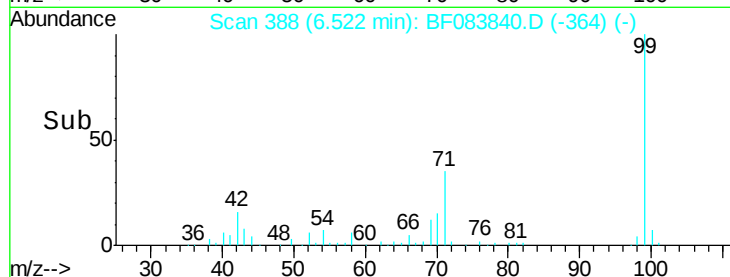
71 34.8 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.66 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Tgt Ion: 70 Resp: 11524

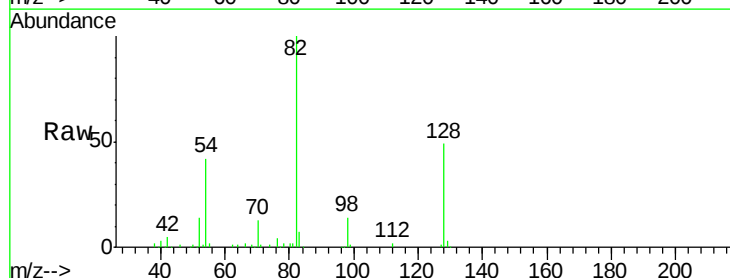
Ion Ratio Lower Upper

70 100

42 38.5 49.2 73.8#

101 0.0 7.1 10.7#

130 2.6 15.4 23.0#

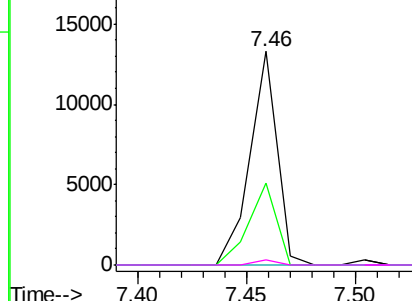
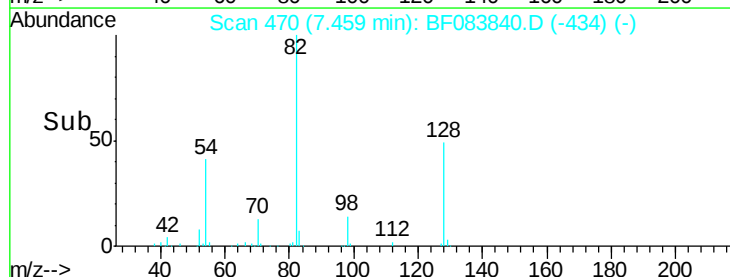


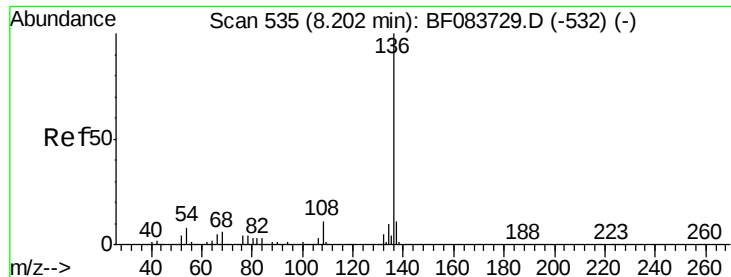
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

Tgt Ion: 136 Resp: 348444

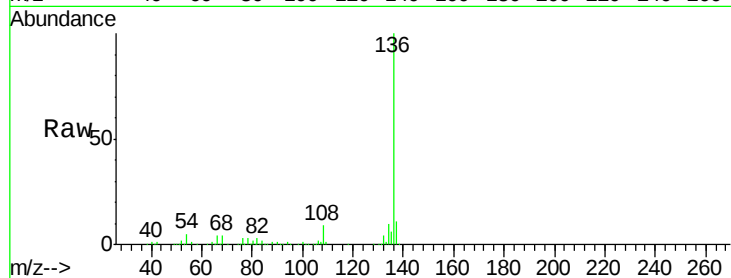
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 4.9 7.8 11.6#

68 4.2 5.7 8.5#

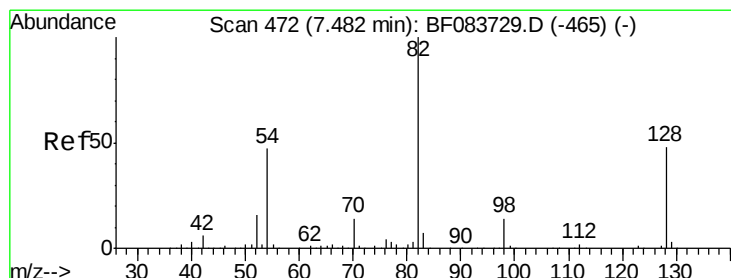
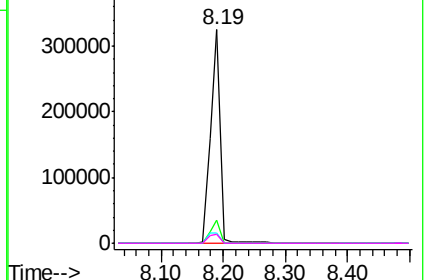
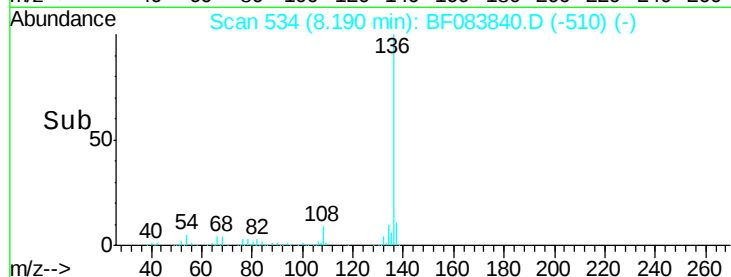


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.54 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

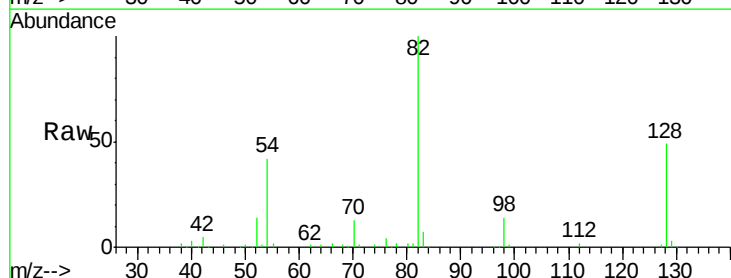
Tgt Ion: 82 Resp: 90543

Ion Ratio Lower Upper

82 100

128 49.0 30.7 46.1#

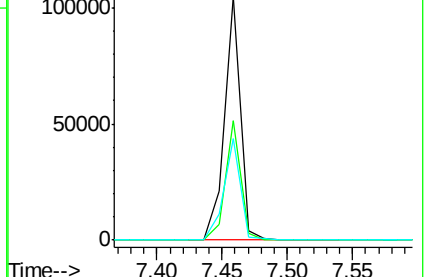
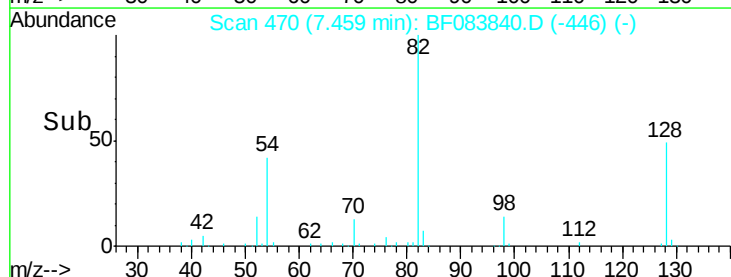
54 41.9 42.5 63.7#

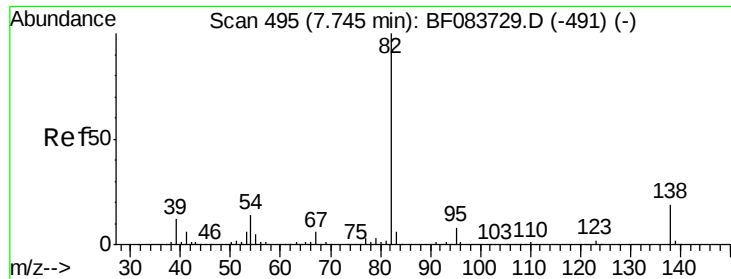


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.23 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

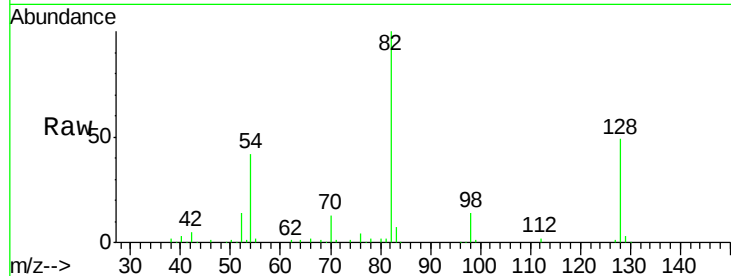
Tgt Ion: 82 Resp: 76127

Ion Ratio Lower Upper

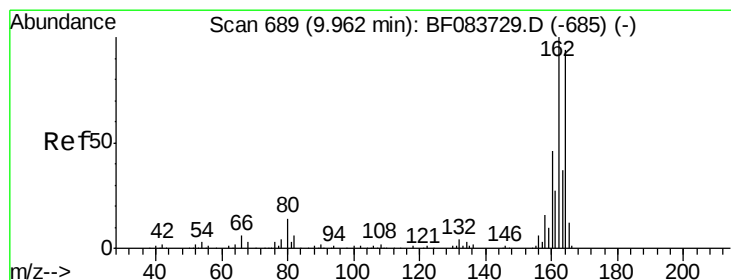
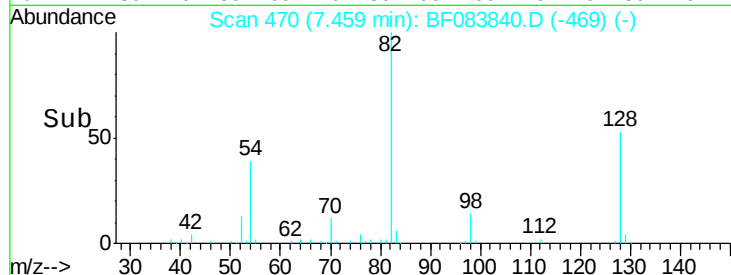
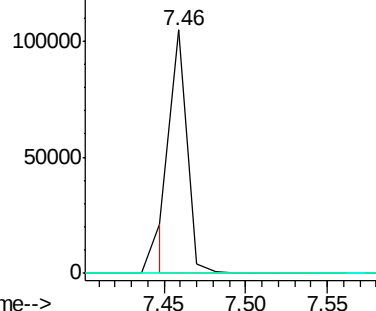
82 100

95 0.0 5.0 7.4#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

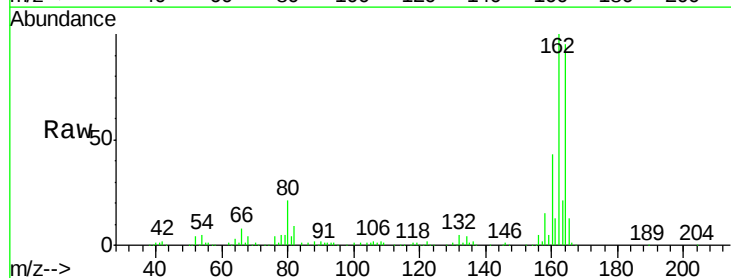
Tgt Ion: 164 Resp: 150459

Ion Ratio Lower Upper

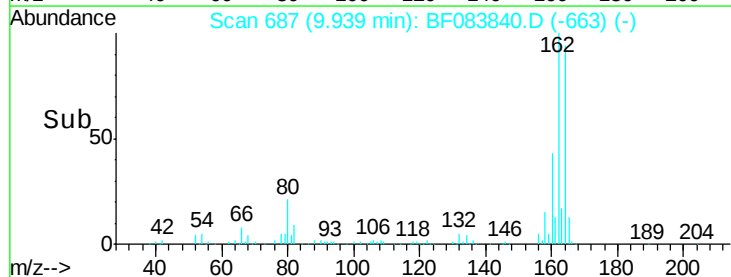
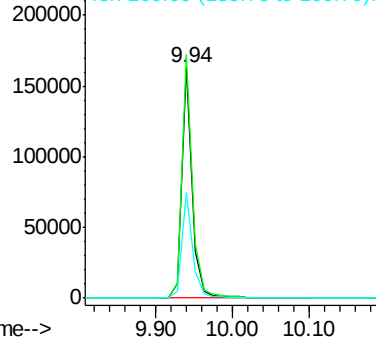
164 100

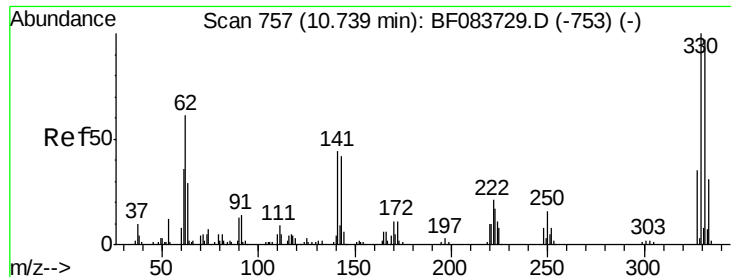
162 105.7 78.8 118.2

160 45.9 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

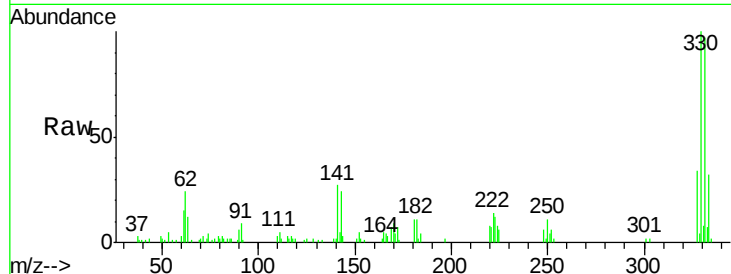




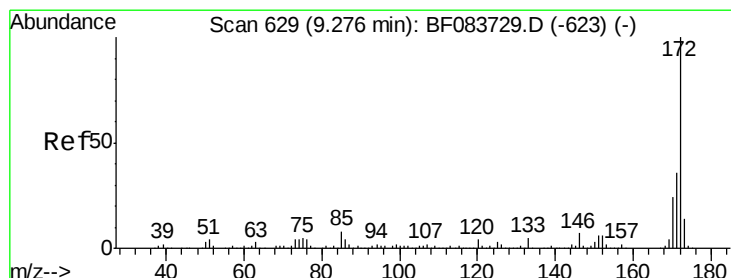
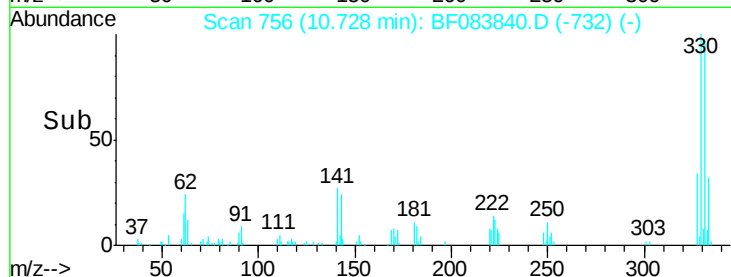
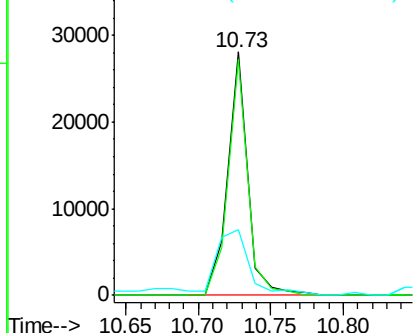
#41
 2,4,6-Tribromophenol
 Concen: 17.55 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

Tgt Ion:330 Resp: 26901
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 44.9 0.0 0.0#

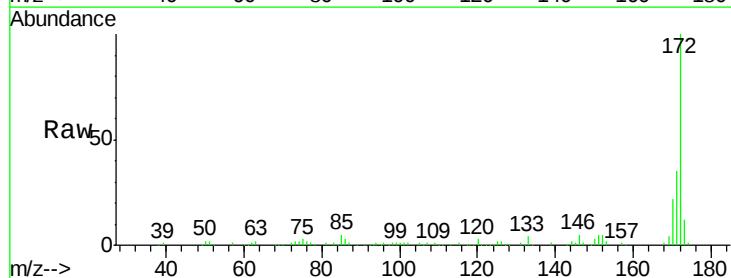


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

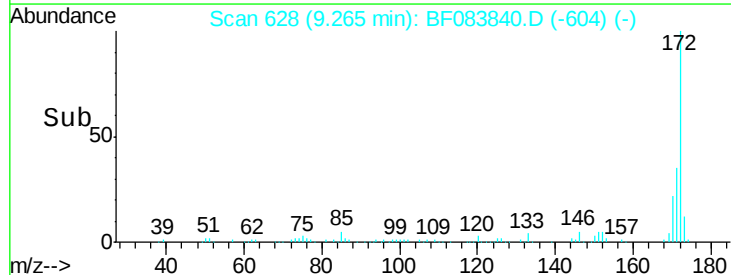
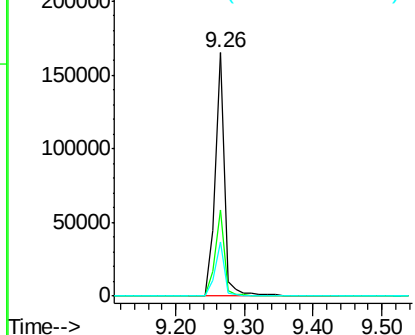


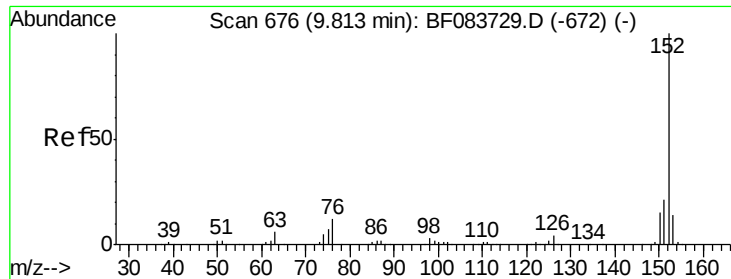
#44
 2-Fluorobiphenyl
 Concen: 13.11 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Tgt Ion:172 Resp: 160543
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 22.4 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: 7.35 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

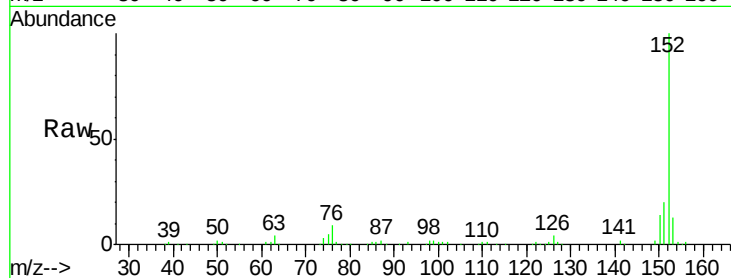
Tgt Ion:152 Resp: 121735

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

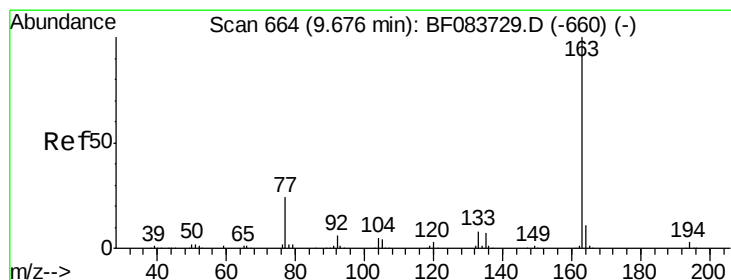
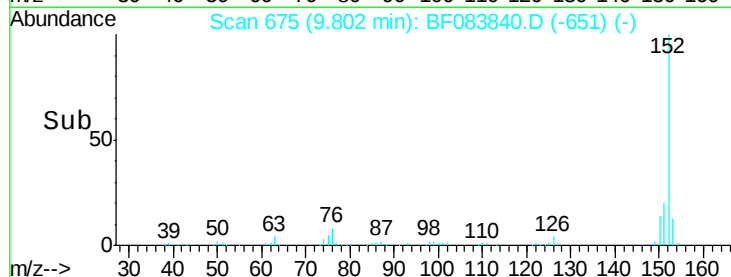
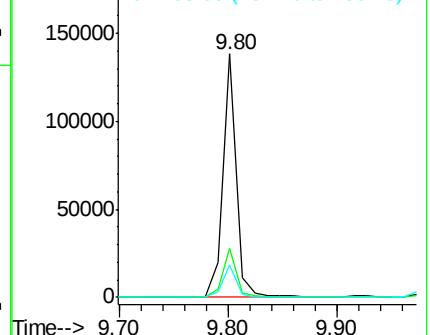
153 13.1 10.8 16.2



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: 2.08 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

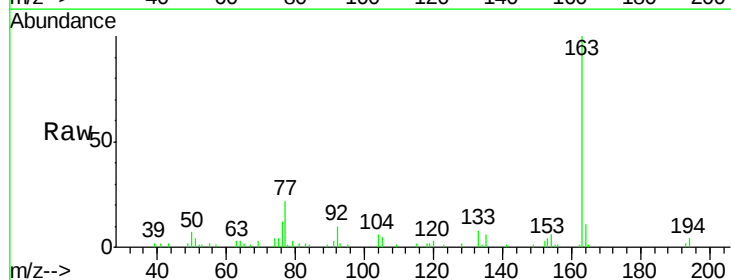
Tgt Ion:163 Resp: 24407

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

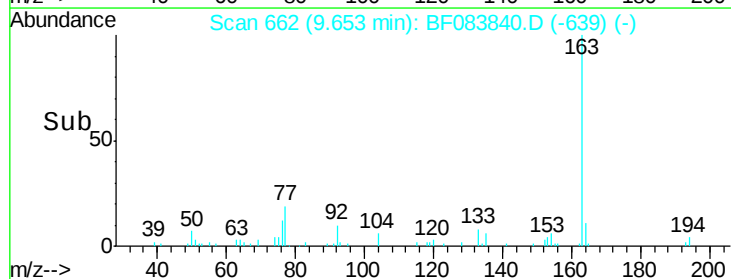
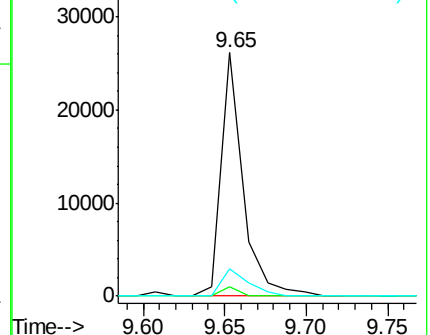
164 11.0 8.6 13.0

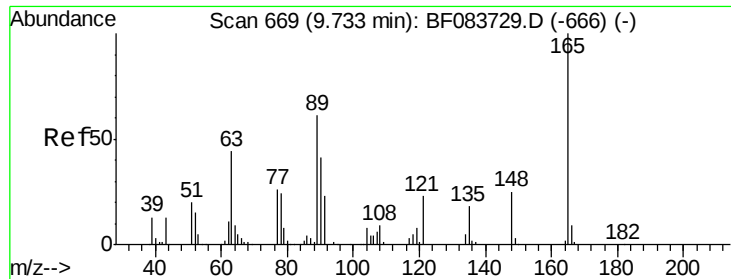


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

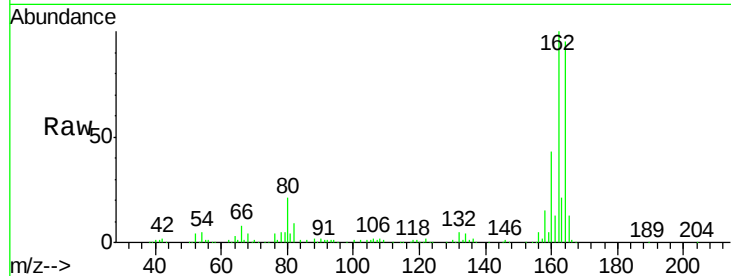




#50
 2,6-Dinitrotoluene
 Concen: 8.14 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.20 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

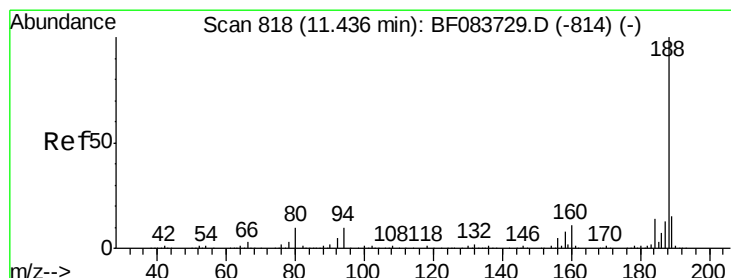
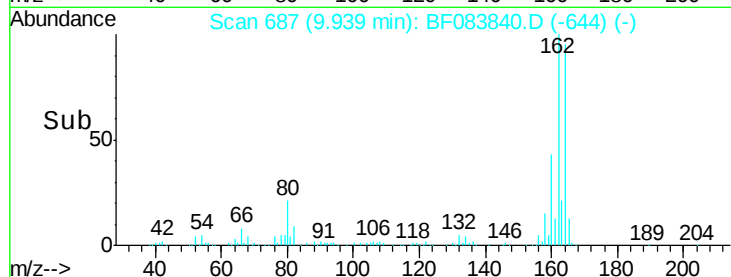
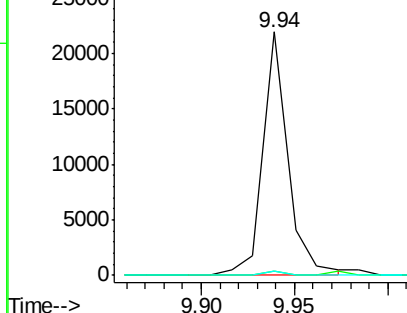
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	56.9	85.3#
89	1.9	52.1	78.1#



Abundance Ion 165.00 (164.70 to 165.70): E

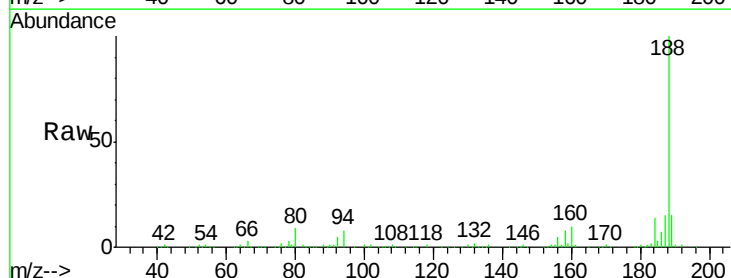
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

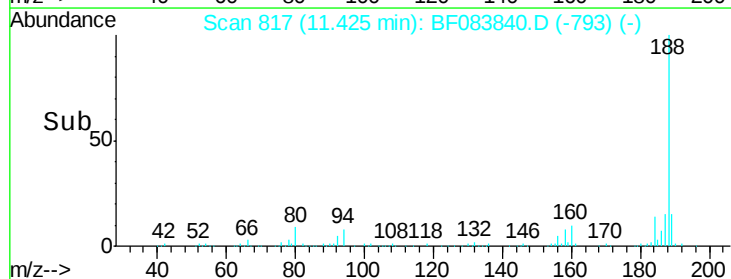
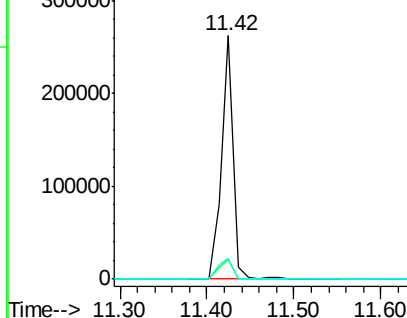
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.4	14.2#
80	8.5	10.6	16.0#

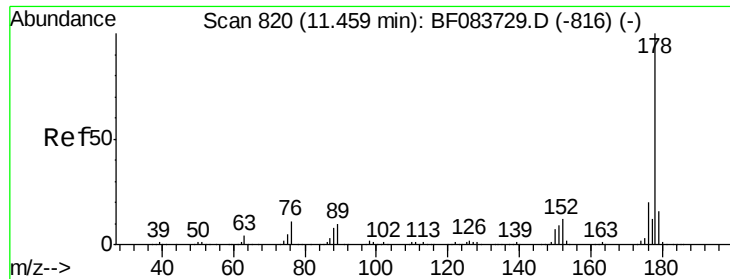


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

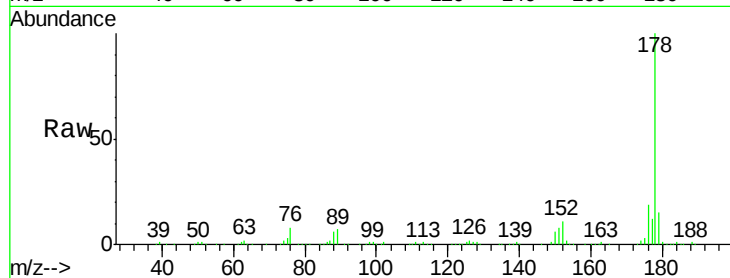




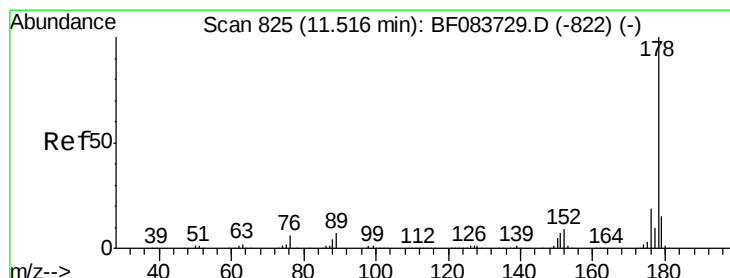
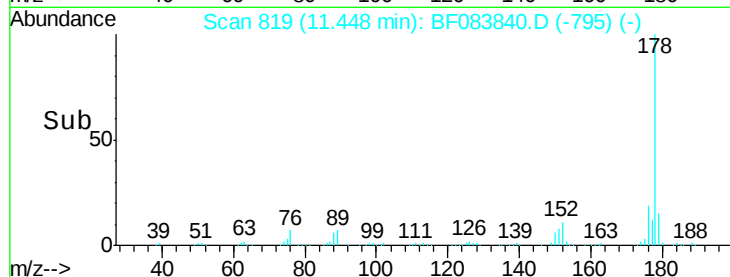
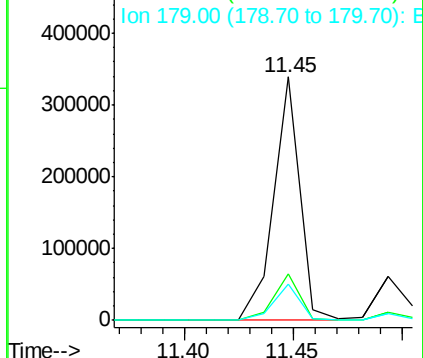
#70
Phenanthrene
Concen: 21.65 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083840.D
Acq: 16 Dec 2015 3:42

Instrument :
BNA_F
ClientSampleId :
K1206-0-2DL

Tgt Ion:178 Resp: 287241
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.2 18.4

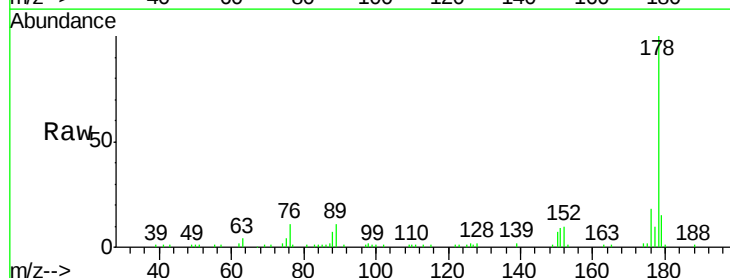


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

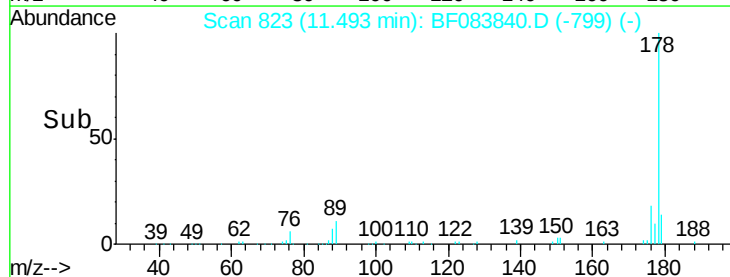
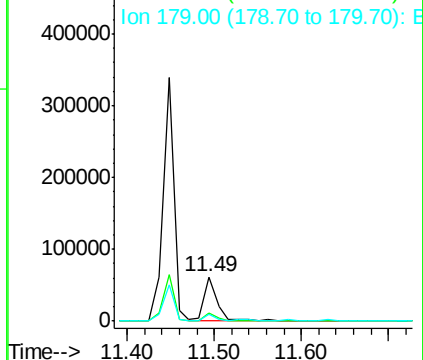


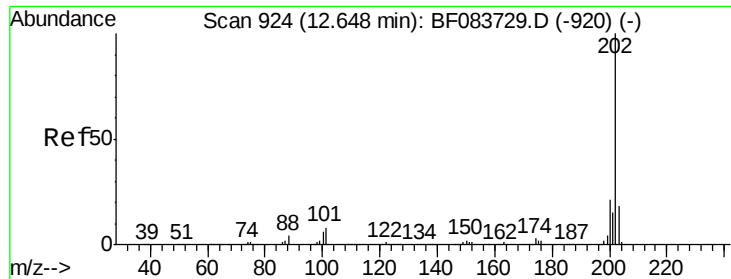
#71
Anthracene
Concen: 4.81 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.02 min
Lab File: BF083840.D
Acq: 16 Dec 2015 3:42

Tgt Ion:178 Resp: 66312
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 14.8 12.6 18.8



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: 30.85 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

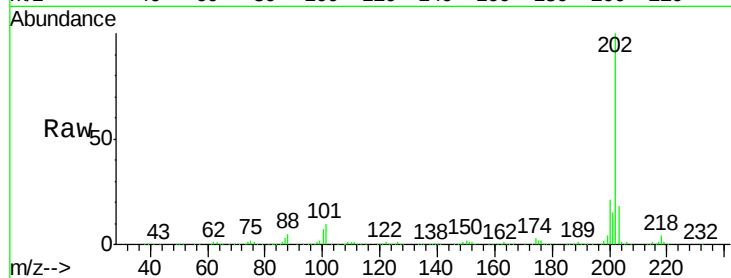
Tgt Ion:202 Resp: 422899

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.5

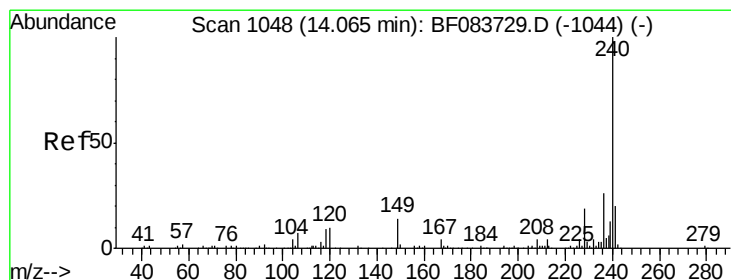
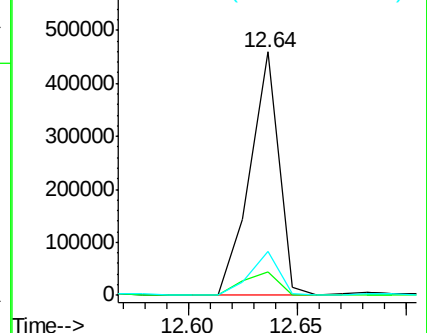
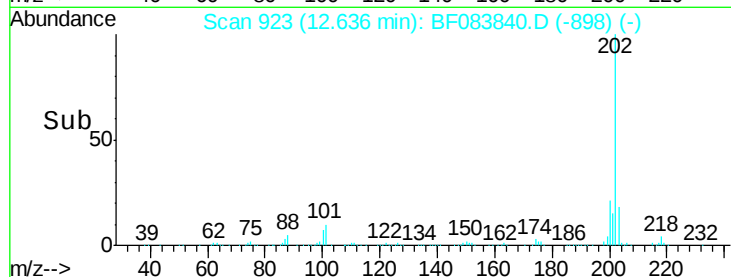
203 17.8 0.0 37.6



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: BF083840.D

Acq: 16 Dec 2015 3:42

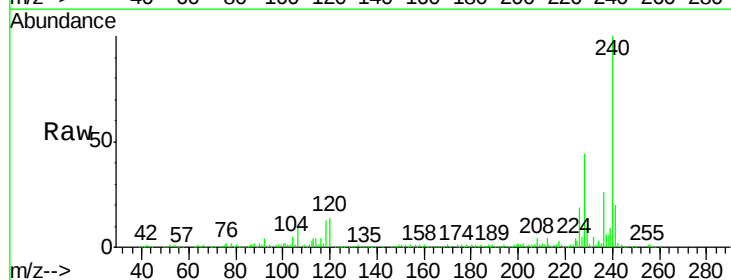
Tgt Ion:240 Resp: 197645

Ion Ratio Lower Upper

240 100

120 14.3 8.1 12.1#

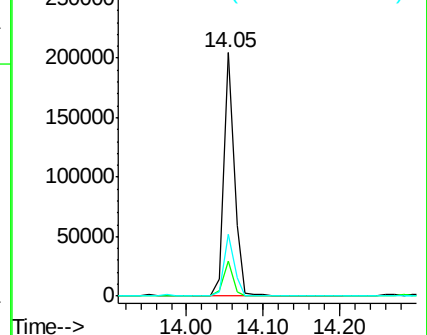
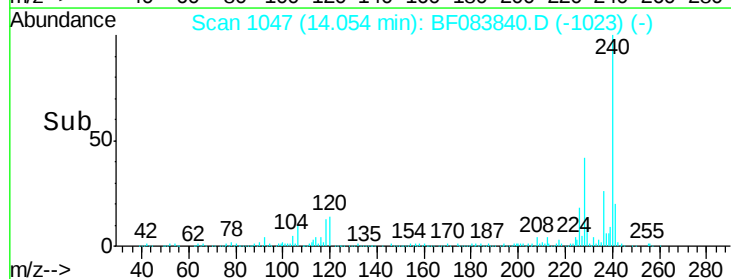
236 25.6 20.8 31.2

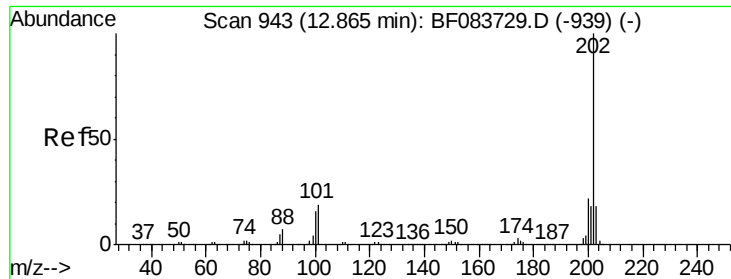


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

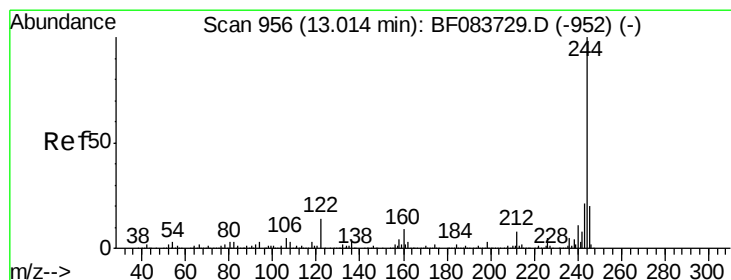
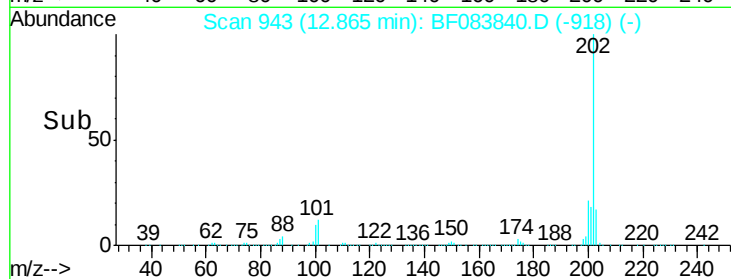
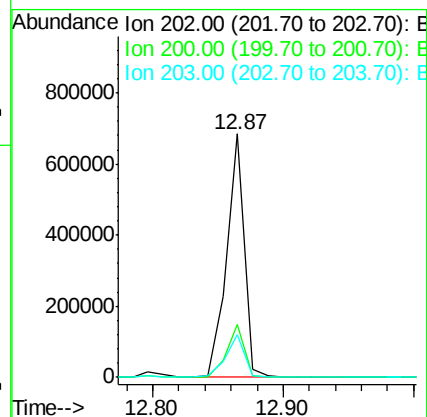
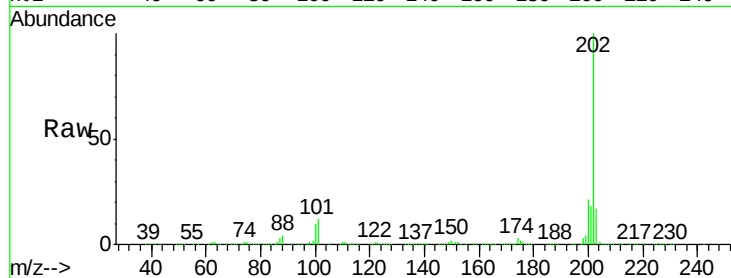




#77
 Pyrene
 Concen: 41.42 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

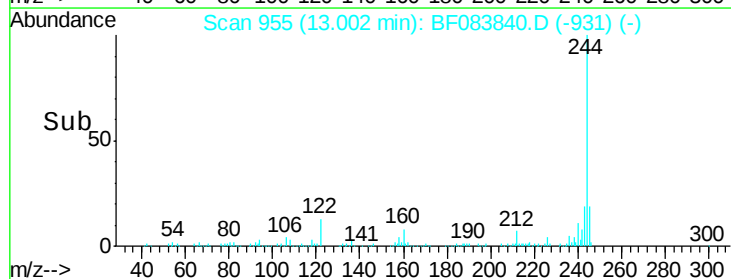
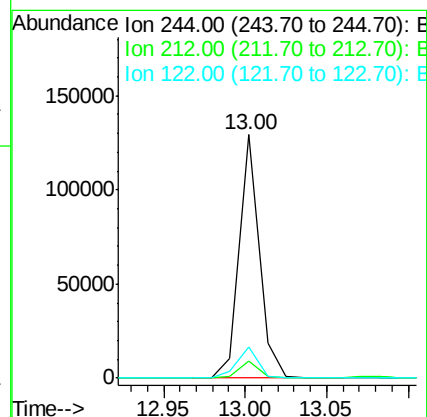
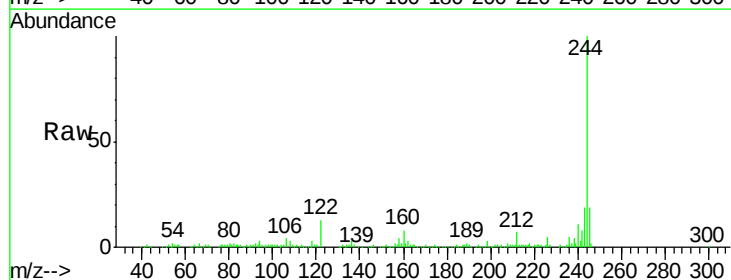
Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

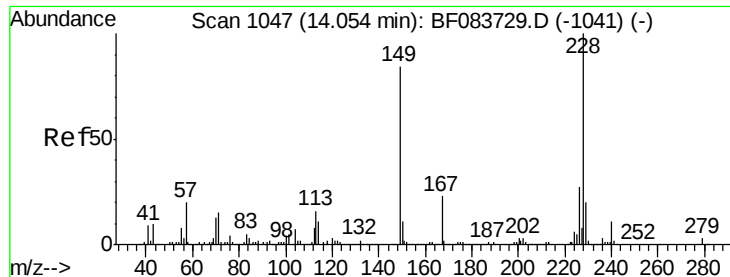
Tgt Ion: 202 Resp: 647050
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.7 25.1
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 11.89 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Tgt Ion: 244 Resp: 109234
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 13.0 11.0 16.6

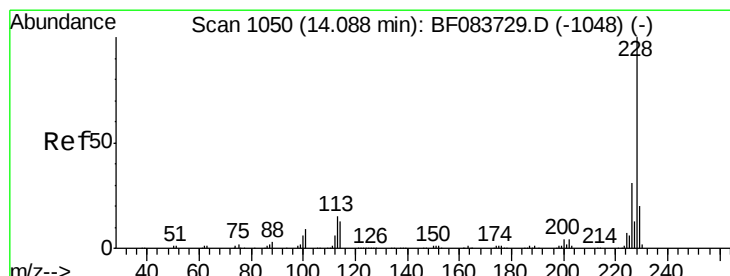
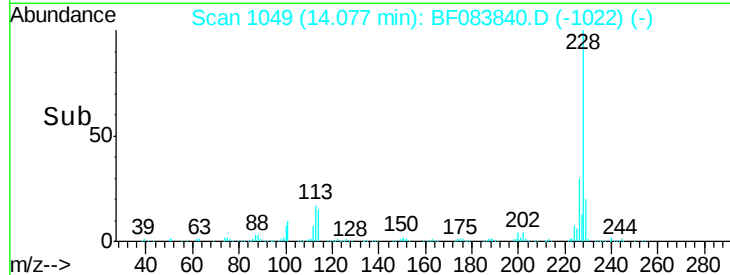
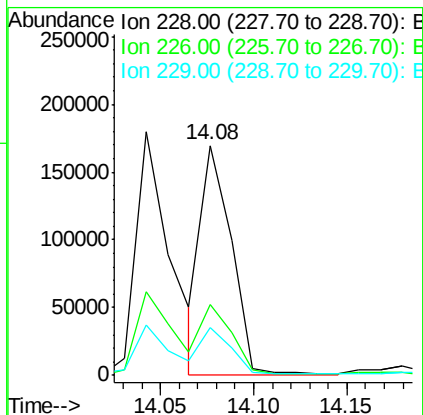
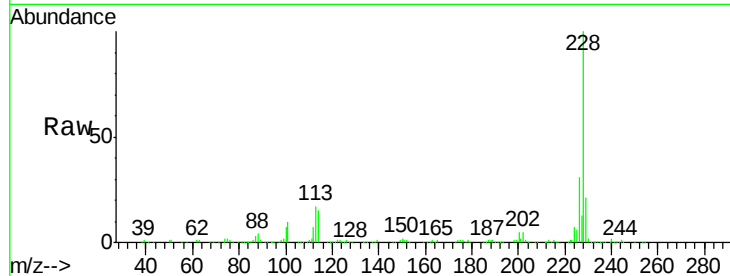




#80
 Benzo(a)anthracene
 Concen: 16.91 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

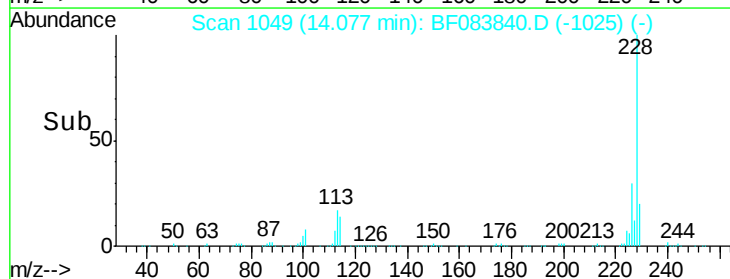
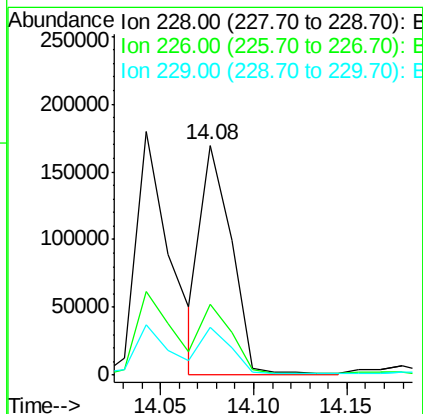
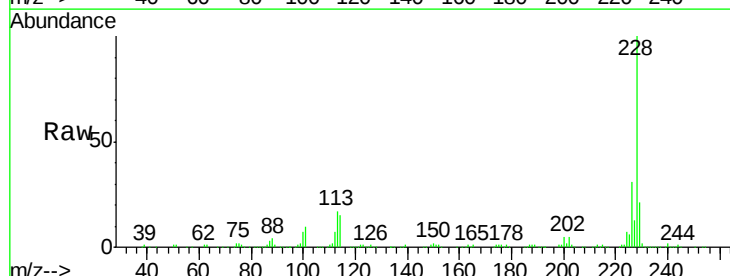
Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

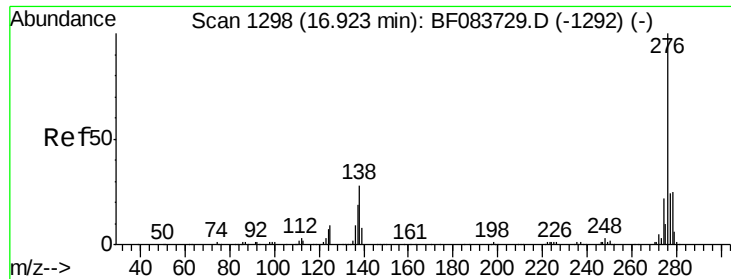
Tgt Ion:228 Resp: 190048
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.3 33.5
 229 21.0 15.7 23.5



#82
 Chrysene
 Concen: 17.36 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Tgt Ion:228 Resp: 190284
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.7 37.1
 229 21.0 16.3 24.5

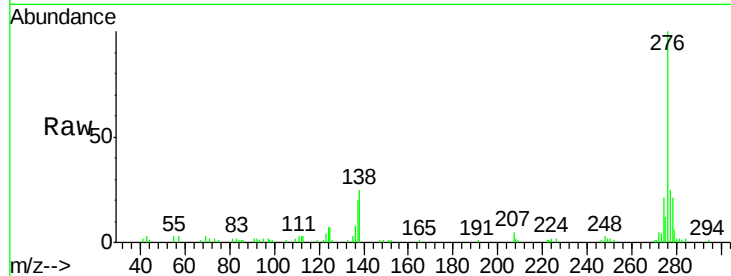




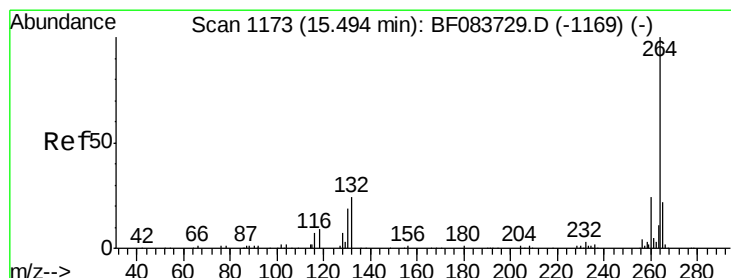
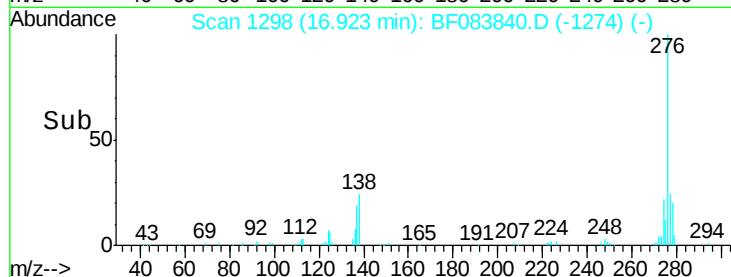
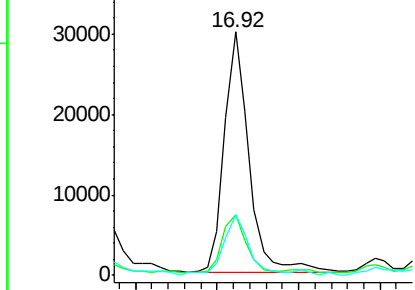
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.81 ng
 RT: 16.92 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 K1206-0-2DL

Tgt Ion: 276 Resp: 62512
 Ion Ratio Lower Upper
 276 100
 138 23.1 0.0 0.0#
 277 26.2 0.0 0.0#

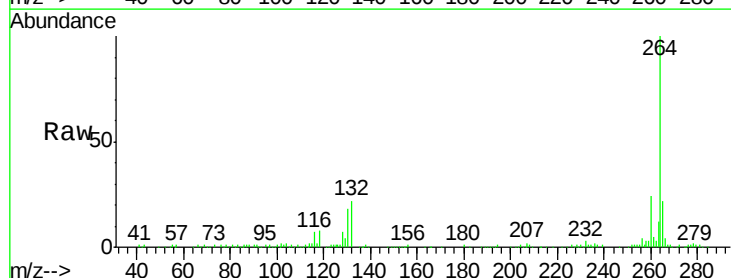


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

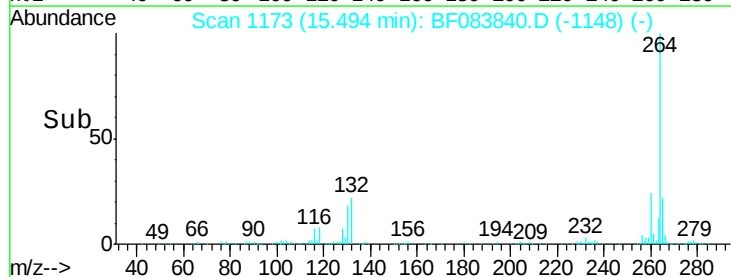
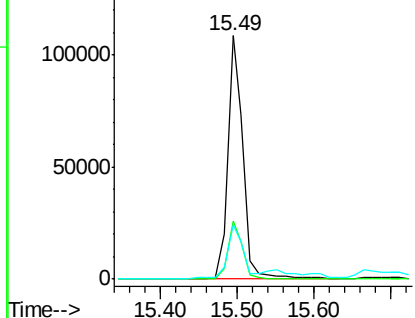


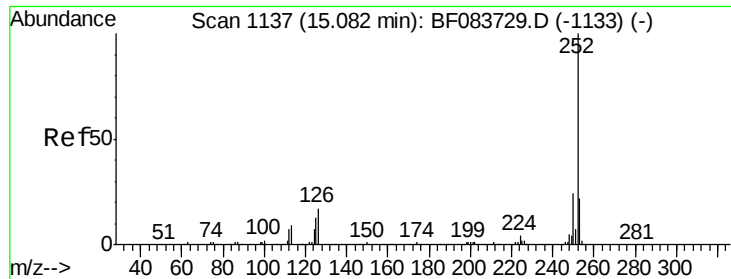
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF083840.D
 Acq: 16 Dec 2015 3:42

Tgt Ion: 264 Resp: 151736
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 22.5 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: 22.73 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

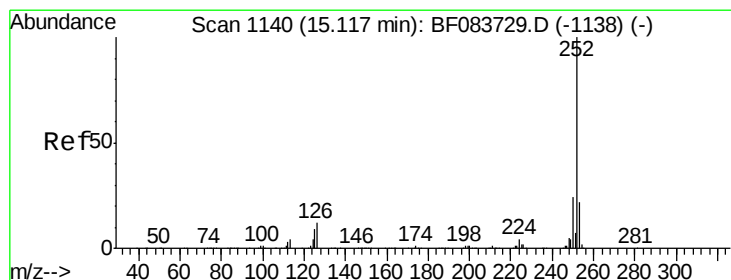
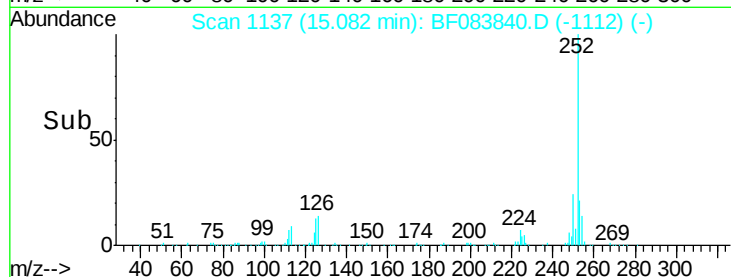
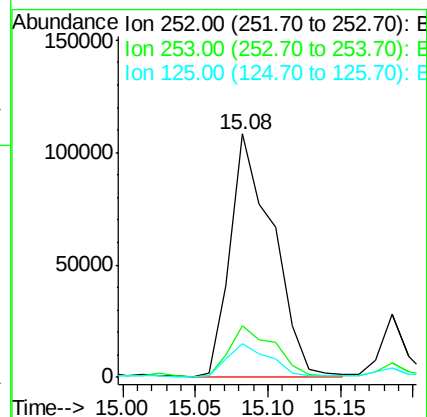
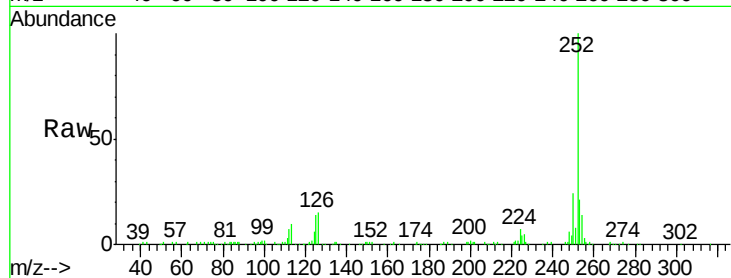
Tgt Ion:252 Resp: 220003

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.4

125 13.6 8.2 12.4#



#88

Benzo(k)fluoranthene

Concen: 25.08 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.05 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

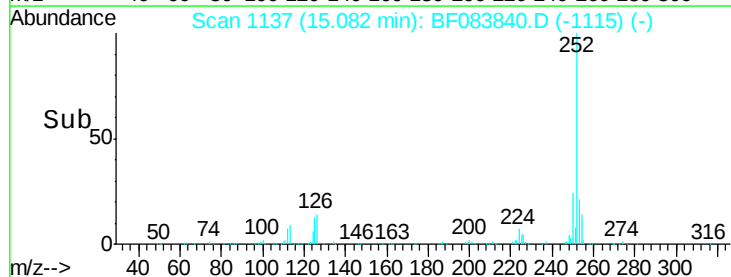
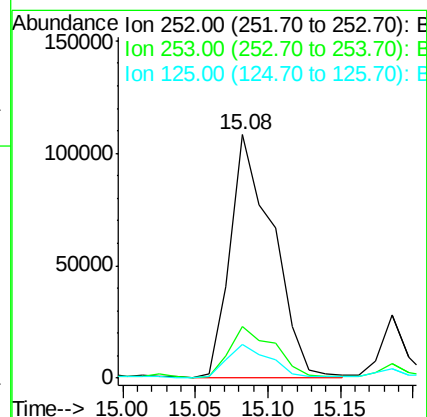
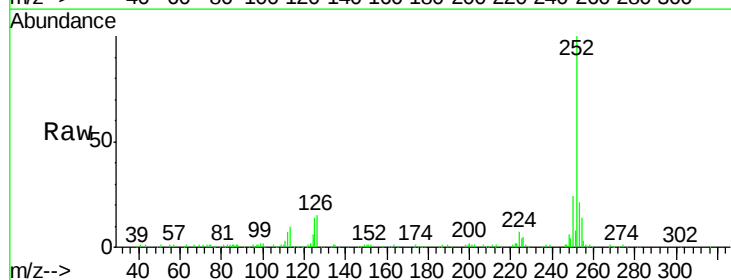
Tgt Ion:252 Resp: 220003

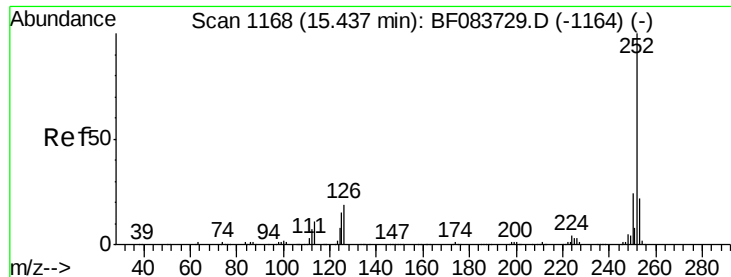
Ion Ratio Lower Upper

252 100

253 21.3 18.6 27.8

125 13.6 11.5 17.3





#89

Benzo(a)pyrene

Concen: 8.78 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

Instrument :

BNA_F

ClientSampleId :

K1206-0-2DL

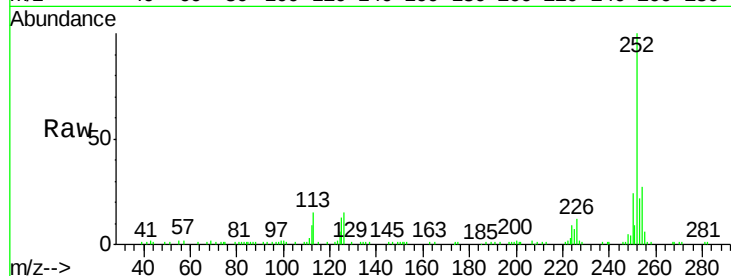
Tgt Ion:252 Resp: 75849

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

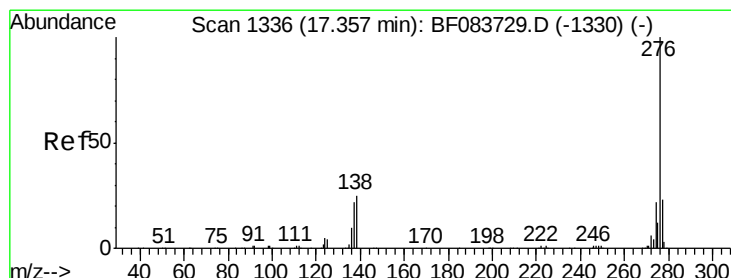
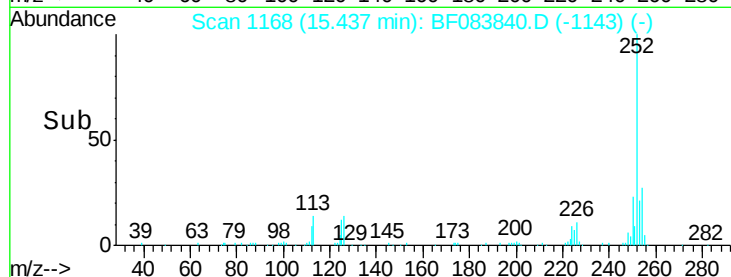
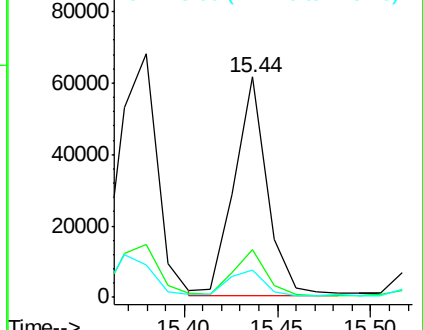
125 12.6 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.18 ng

RT: 17.36 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF083840.D

Acq: 16 Dec 2015 3:42

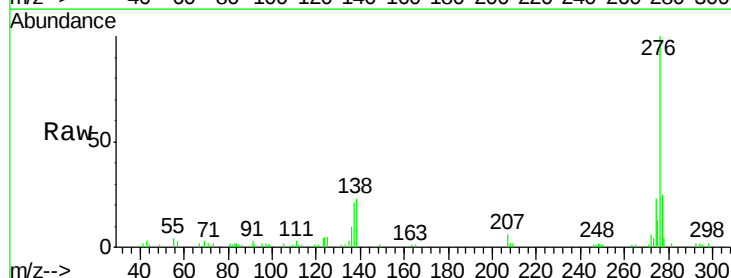
Tgt Ion:276 Resp: 63360

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 23.4 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

