

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
 Data File : BF083762.D
 Acq On : 14 Dec 2015 6:57
 Operator : UM/IZ
 Sample : G4648-07
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Quant Time: Dec 14 07:22:18 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

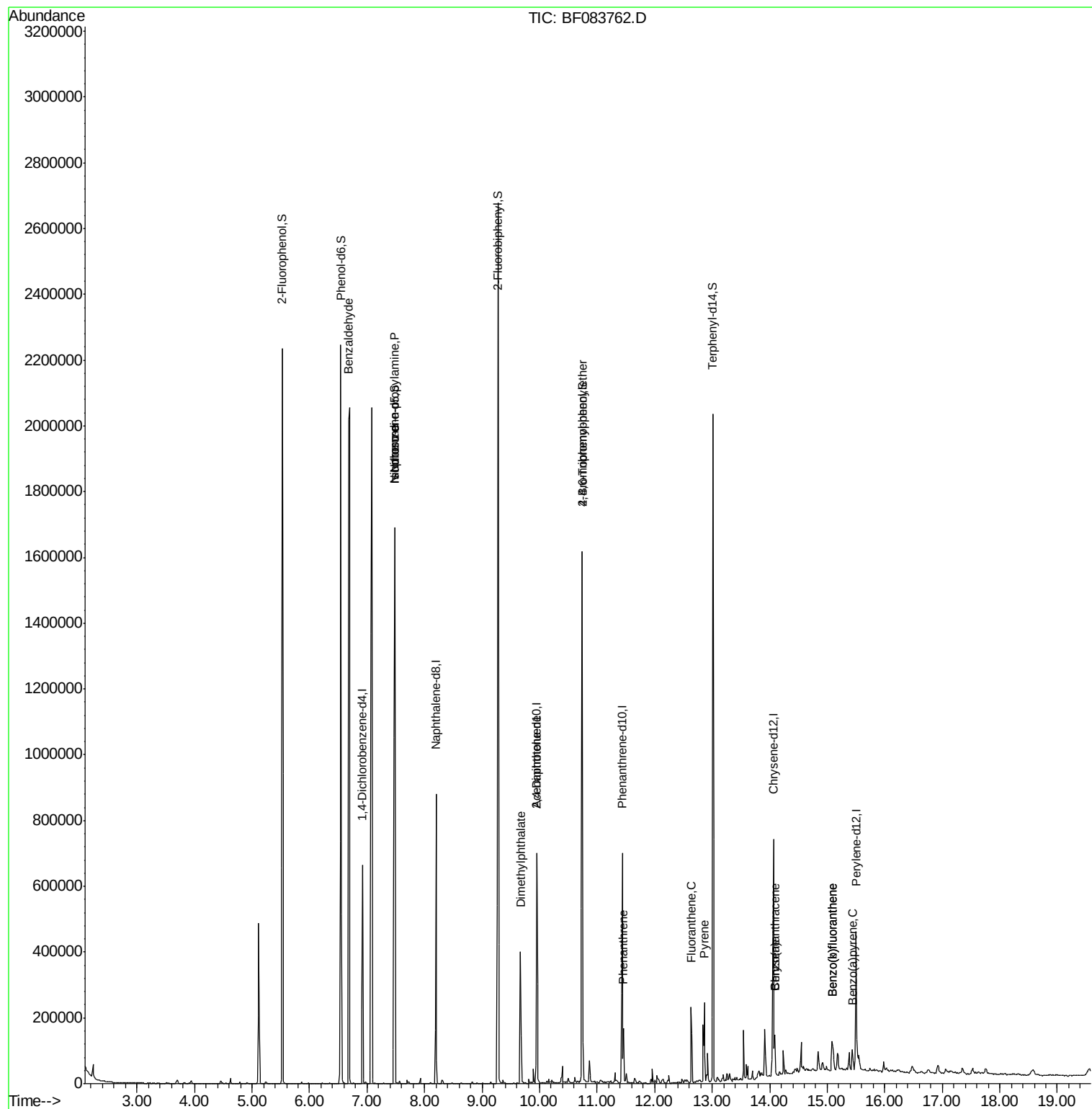
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	106299	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	382108	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	155669	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	274099	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	258540	20.00	ng	-0.01
86) Perylene-d12	15.51	264	209888	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	816787	123.96	ng	0.00
7) Phenol-d6	6.54	99	908066	108.82	ng	0.00
23) Nitrobenzene-d5	7.48	82	685620	100.39	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	194801	122.81	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	854417	78.60	ng	-0.01
78) Terphenyl-d14	13.01	244	666586	55.46	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.68	77	19475	4.35	ng	87
19) n-Nitroso-di-n-propylamine	7.48	70	91628	17.93	ng	# 69
25) Isophorone	7.48	82	661087	49.34	ng	# 69
49) Dimethylphthalate	9.66	163	184378	15.19	ng	99
56) 2,4-Dinitrotoluene	9.95	165	20242	6.02	ng	# 12
66) 4-Bromophenyl-phenylether	10.74	248	13662	4.46	ng	# 1
70) Phenanthrene	11.46	178	63397	4.35	ng	99
74) Fluoranthene	12.64	202	115323	7.66	ng	93
77) Pyrene	12.86	202	97634	4.78	ng	99
80) Benzo(a)anthracene	14.09	228	35984	2.45	ng	95
82) Chrysene	14.09	228	35984	2.51	ng	99
87) Benzo(b)fluoranthene	15.08	252	69158	5.16	ng	# 94
88) Benzo(k)fluoranthene	15.08	252	69158	5.70	ng	98
89) Benzo(a)pyrene	15.44	252	31448	2.63	ng	94

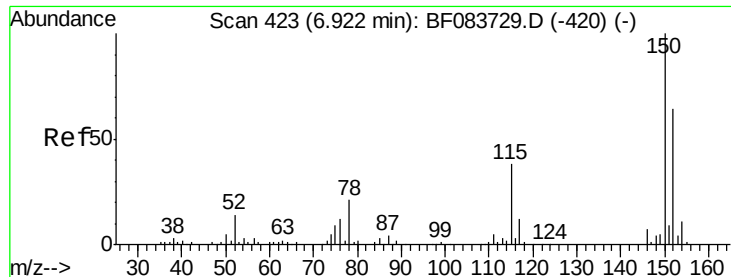
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

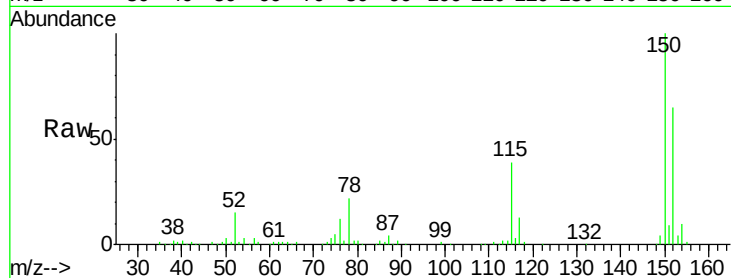
Tgt Ion:152 Resp: 106299

Ion Ratio Lower Upper

152 100

150 153.6 126.5 189.7

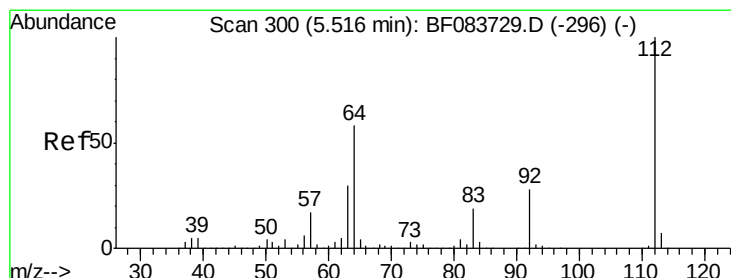
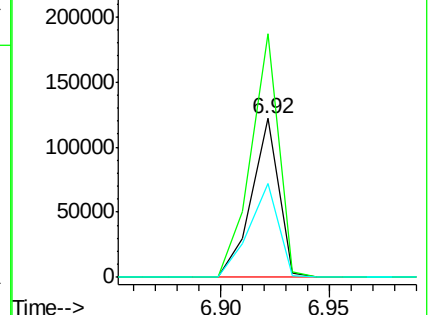
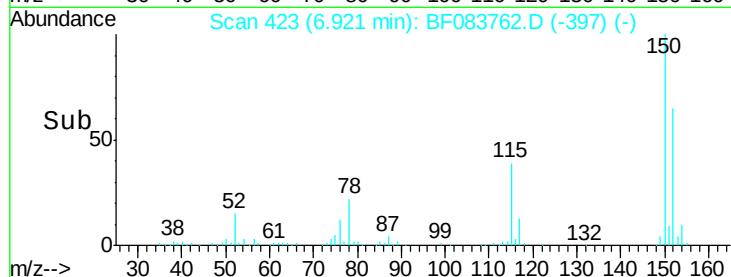
115 59.2 52.3 78.5



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: 123.96 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

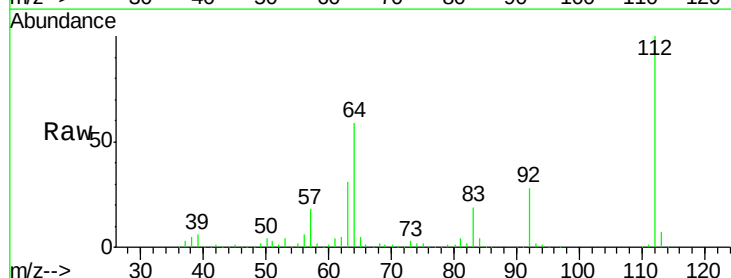
Tgt Ion:112 Resp: 816787

Ion Ratio Lower Upper

112 100

64 58.8 50.5 75.7

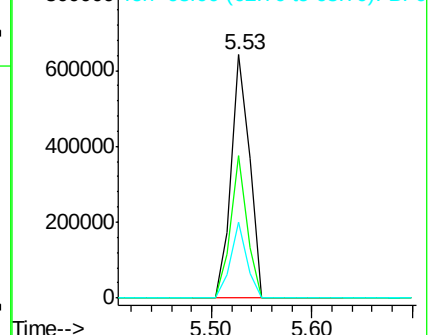
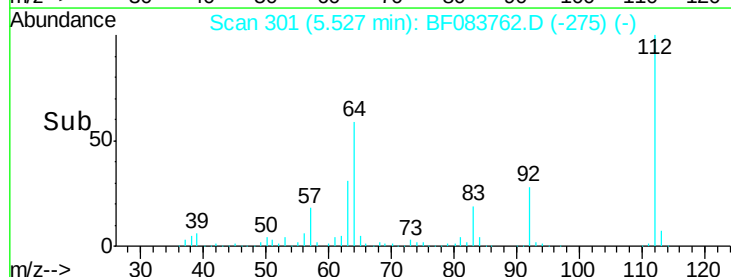
63 31.1 25.8 38.6

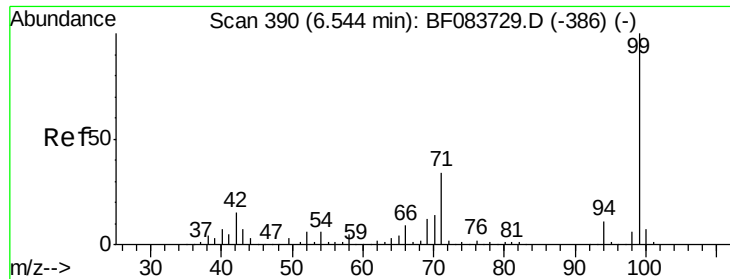


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.82 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

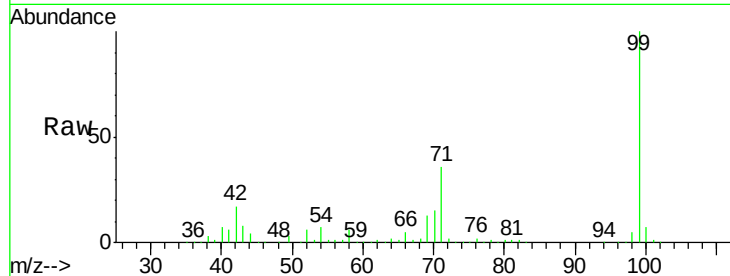
Tgt Ion: 99 Resp: 908066

Ion Ratio Lower Upper

99 100

42 16.7 17.3 25.9#

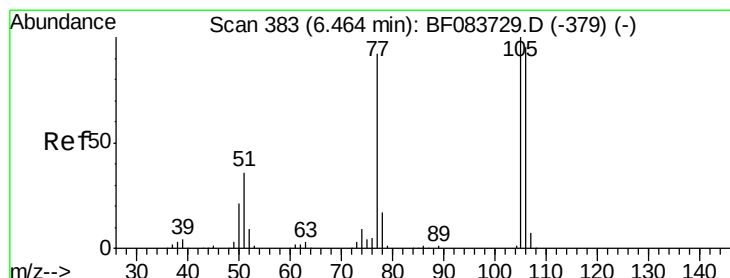
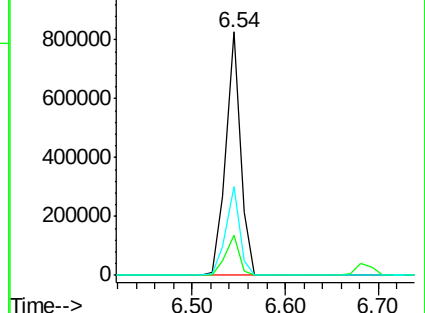
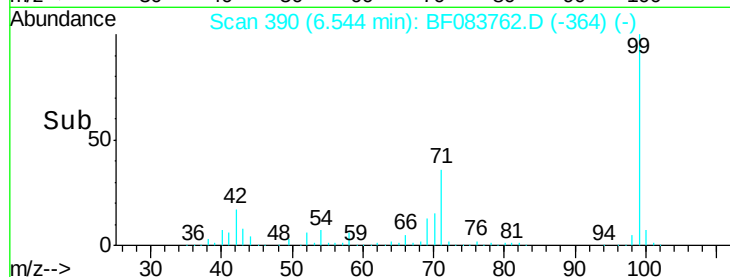
71 36.3 26.6 40.0



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



#9

Benzaldehyde

Concen: 4.35 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

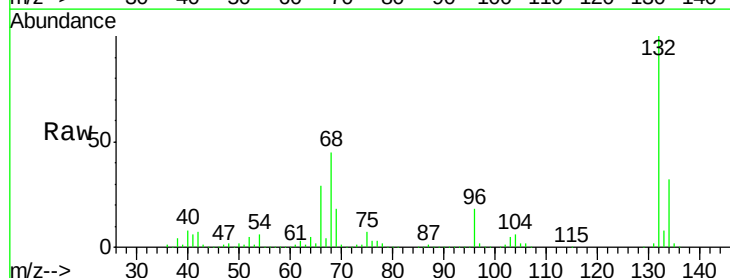
Tgt Ion: 77 Resp: 19475

Ion Ratio Lower Upper

77 100

105 77.6 71.8 111.8

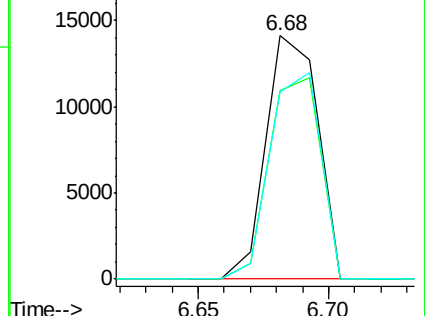
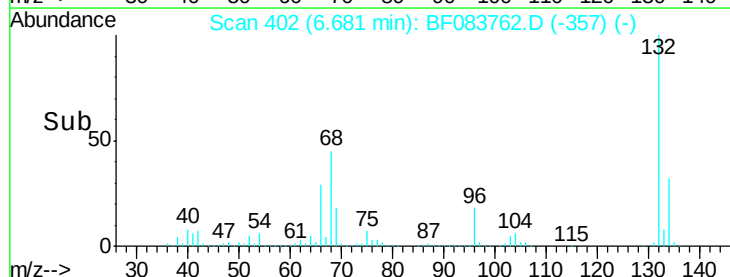
106 77.2 66.8 106.8

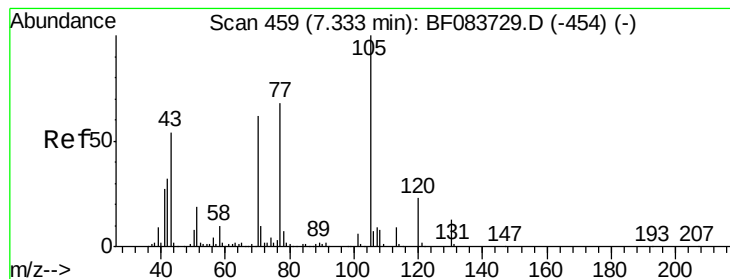


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.93 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

Tgt Ion: 70 Resp: 91628

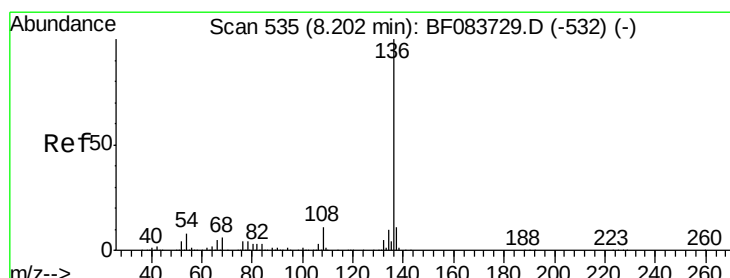
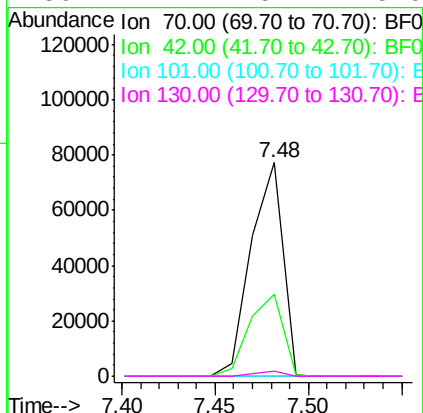
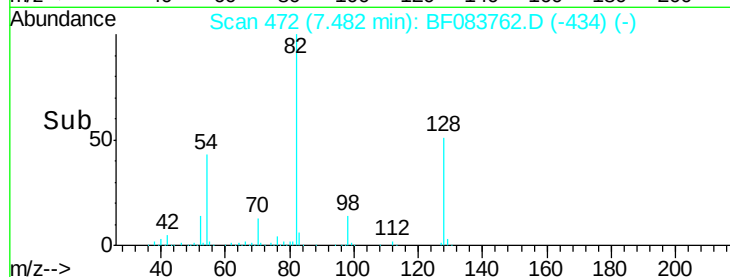
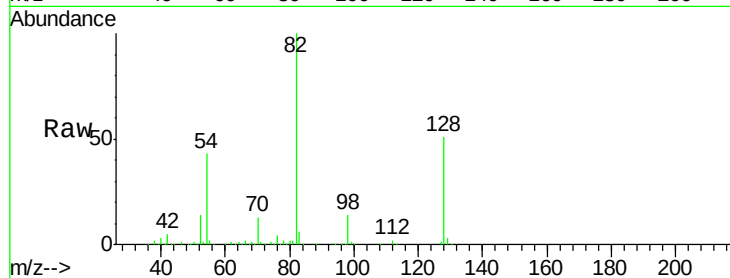
Ion Ratio Lower Upper

70 100

42 38.4 49.2 73.8#

101 0.0 7.1 10.7#

130 2.4 15.4 23.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Tgt Ion: 136 Resp: 382108

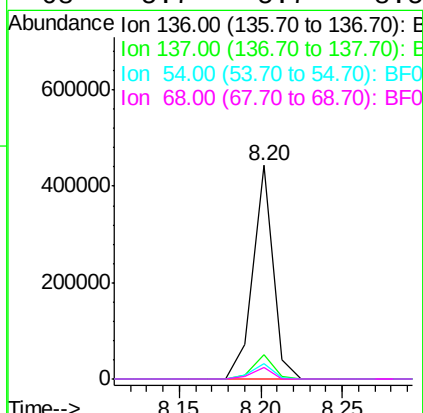
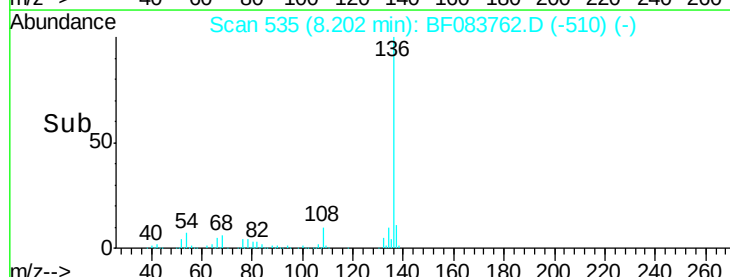
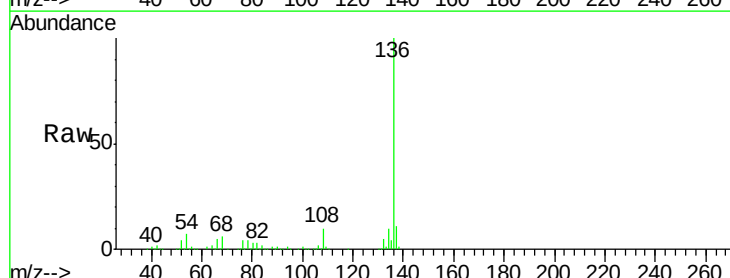
Ion Ratio Lower Upper

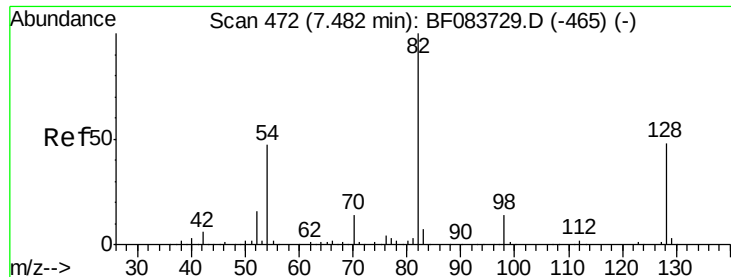
136 100

137 11.1 8.7 13.1

54 7.1 7.8 11.6#

68 5.7 5.7 8.5

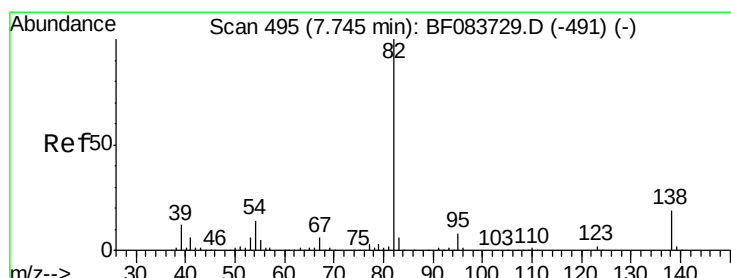
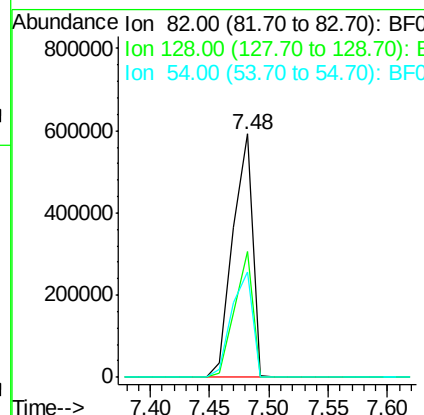
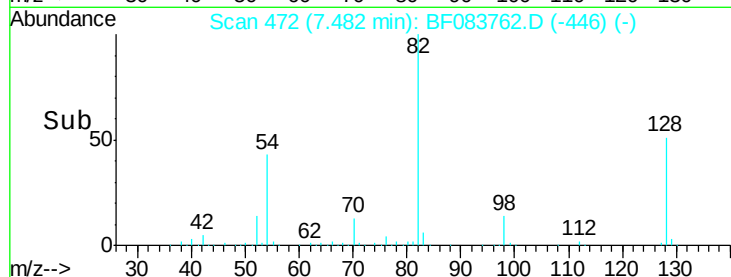
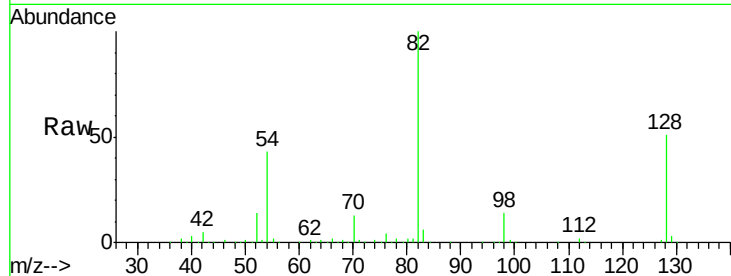




#23
 Nitrobenzene-d5
 Concen: 100.39 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083762.D
 Acq: 14 Dec 2015 6:57

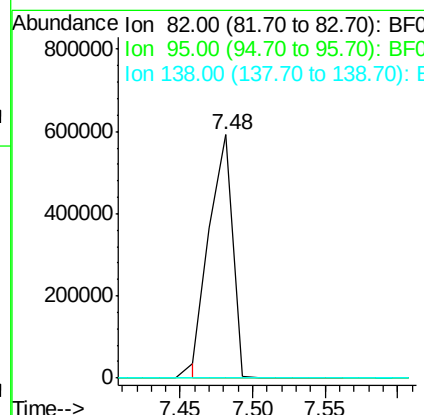
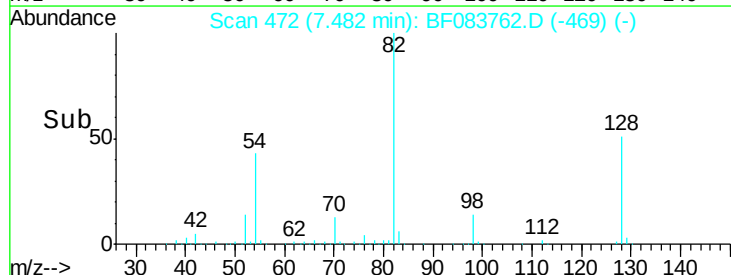
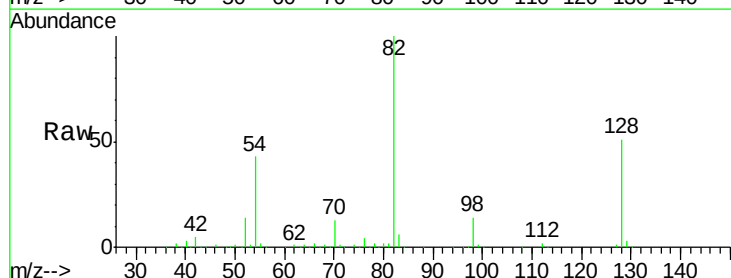
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

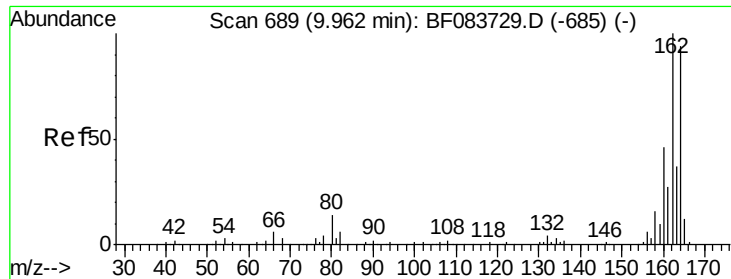
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.5	30.7	46.1#
54	43.3	42.5	63.7



#25
 Isophorone
 Concen: 49.34 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.26 min
 Lab File: BF083762.D
 Acq: 14 Dec 2015 6:57

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.0	7.4#
138	0.0	12.1	18.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

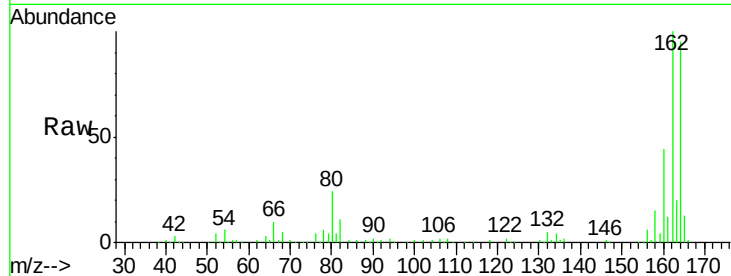
Tgt Ion:164 Resp: 155669

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

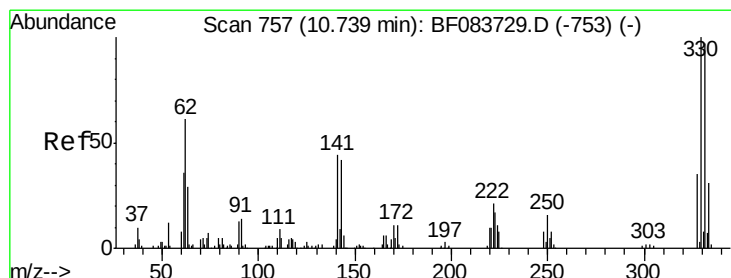
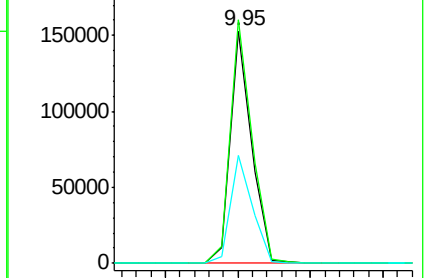
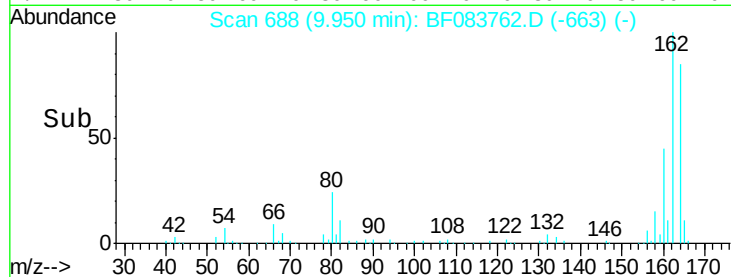
160 46.4 33.4 50.2



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: 122.81 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

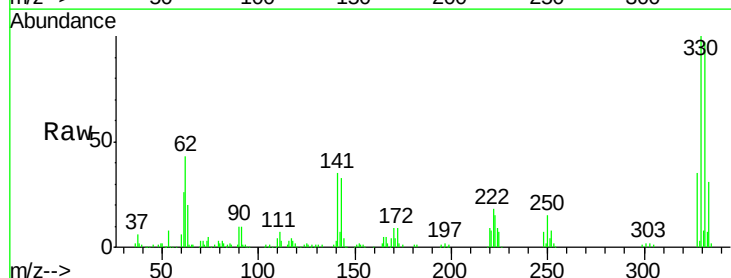
Tgt Ion:330 Resp: 194801

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

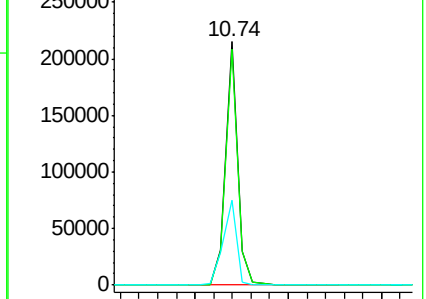
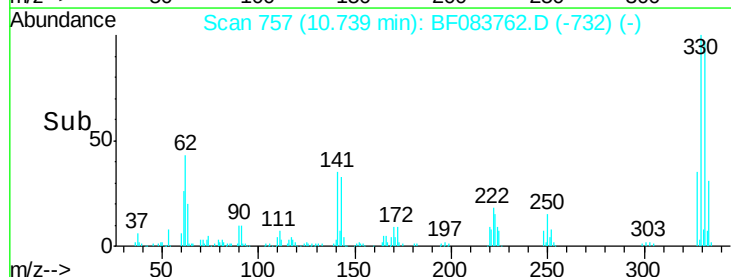
141 38.8 0.0 0.0#

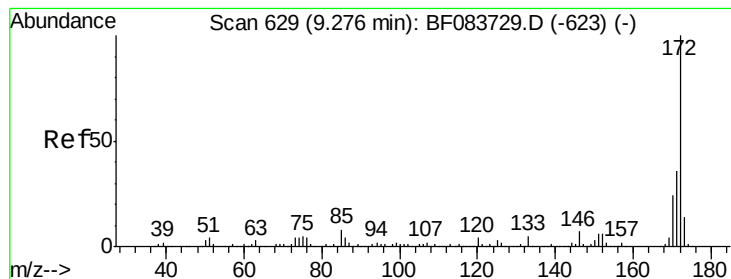


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 78.60 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

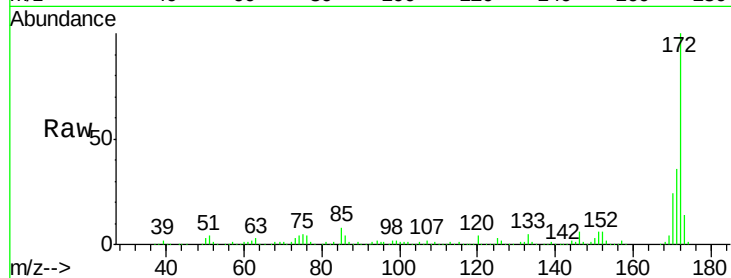
Tgt Ion:172 Resp: 854417

Ion Ratio Lower Upper

172 100

171 36.3 28.6 42.8

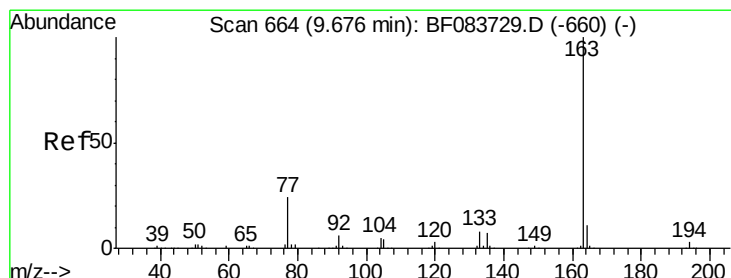
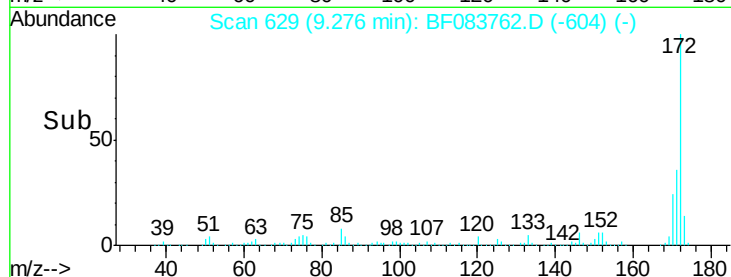
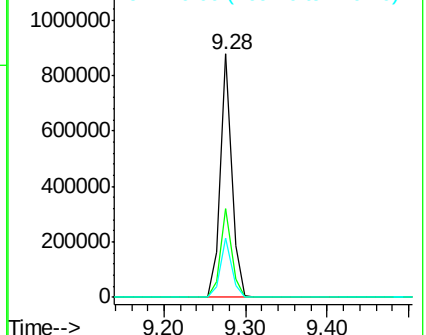
170 24.3 19.4 29.0



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: 15.19 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

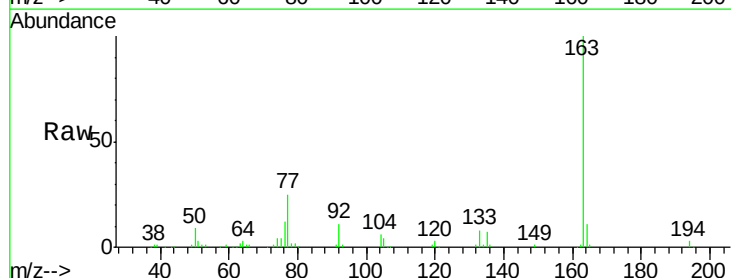
Tgt Ion:163 Resp: 184378

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

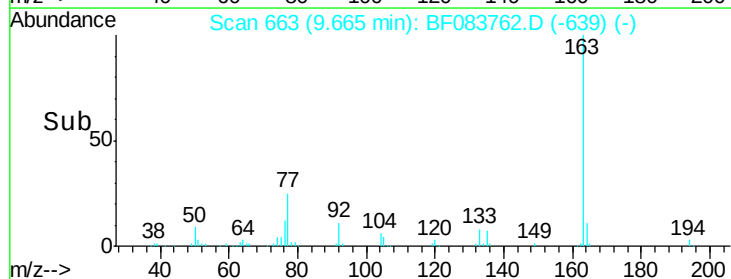
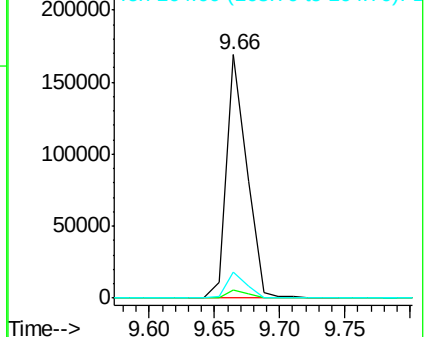
164 10.7 8.6 13.0

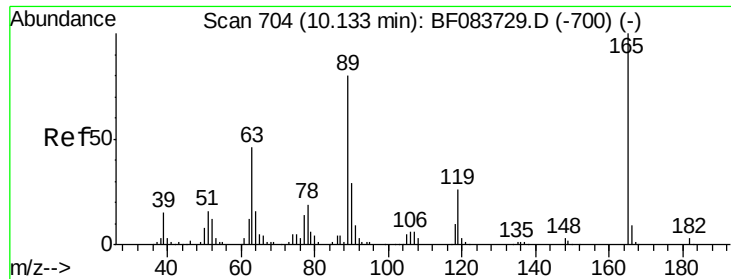


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

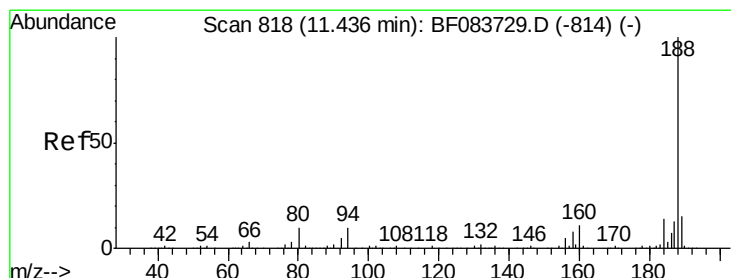
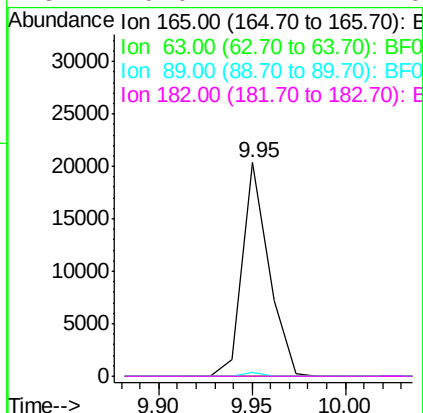
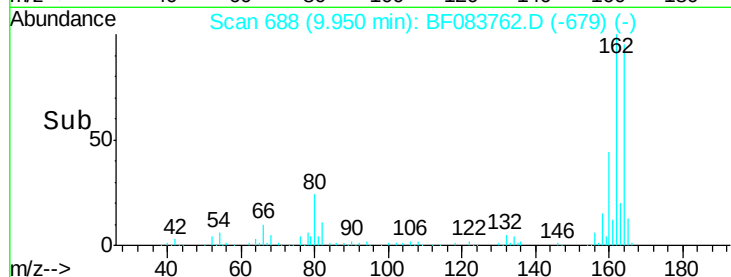
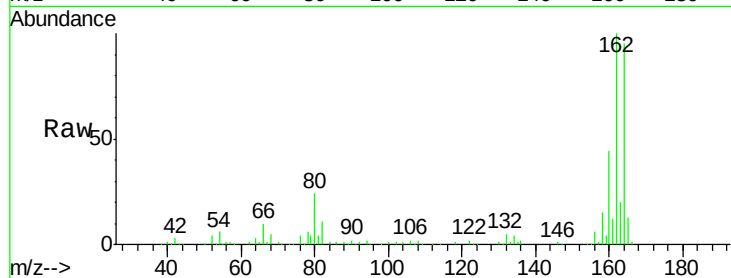




#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.19 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

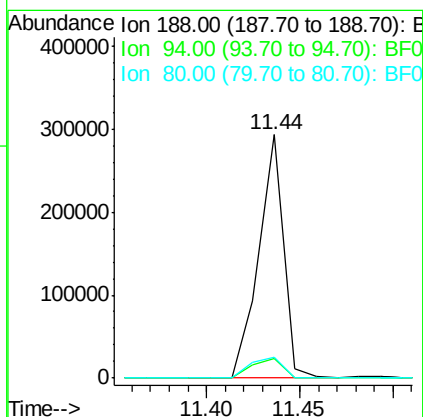
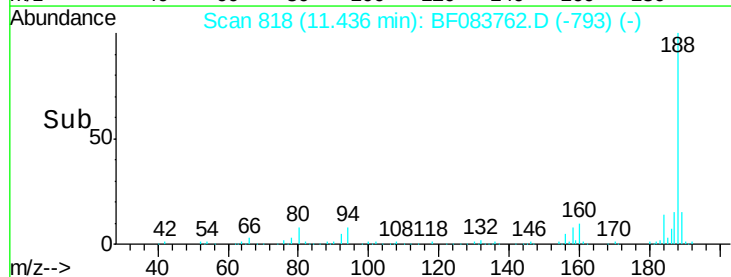
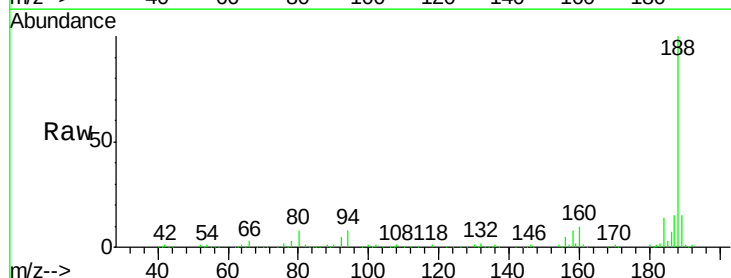
Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

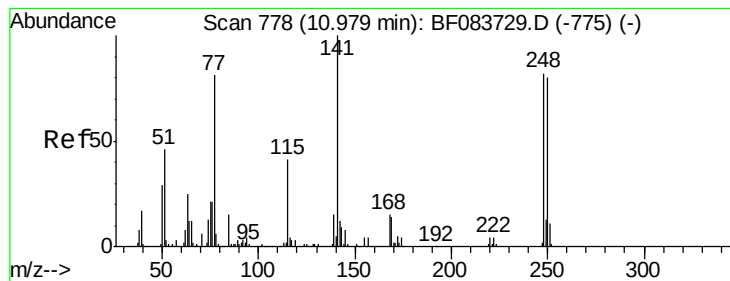
Tgt Ion:	165	Resp:	20242
Ion Ratio	Lower	Upper	
165	100		
63	0.0	51.4	77.2#
89	1.7	72.6	108.8#
182	0.0	1.4	2.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

Tgt Ion:	188	Resp:	274099
Ion Ratio	Lower	Upper	
188	100		
94	8.3	9.4	14.2#
80	8.5	10.6	16.0#





#66

4-Bromophenyl-phenylether

Concen: 4.46 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

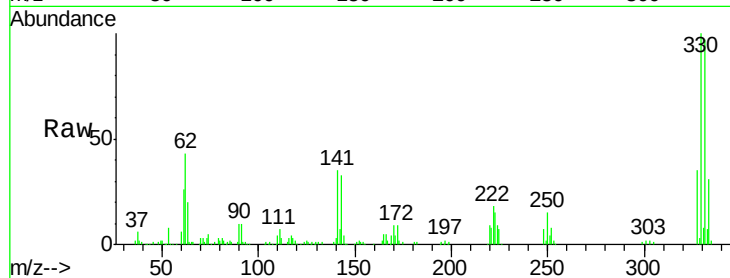
Tgt Ion:248 Resp: 13662

Ion Ratio Lower Upper

248 100

250 201.0 79.2 118.8#

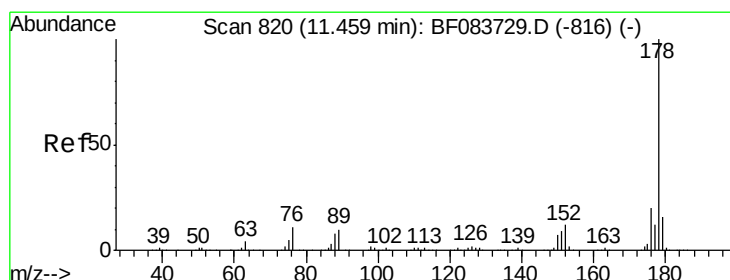
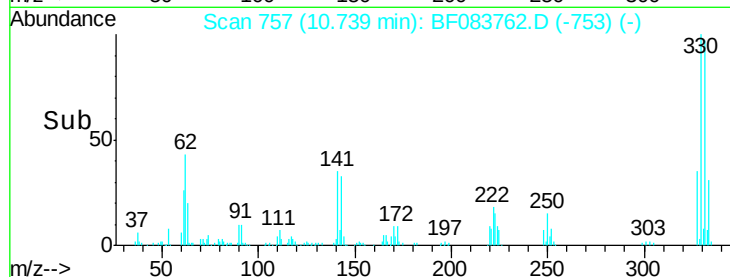
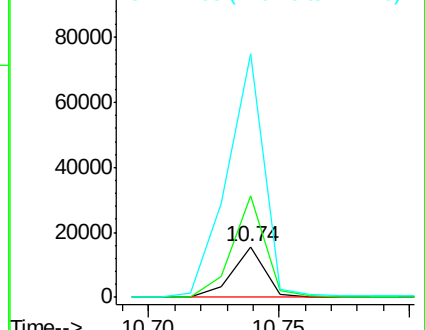
141 482.9 58.2 87.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 4.35 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

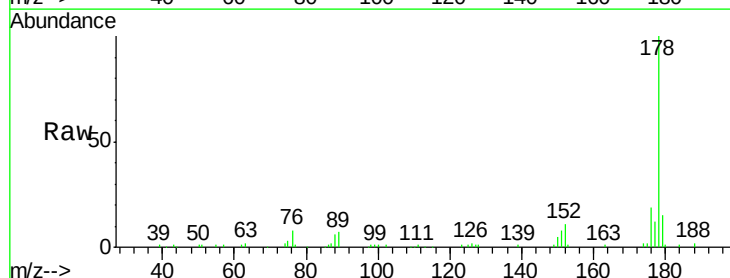
Tgt Ion:178 Resp: 63397

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

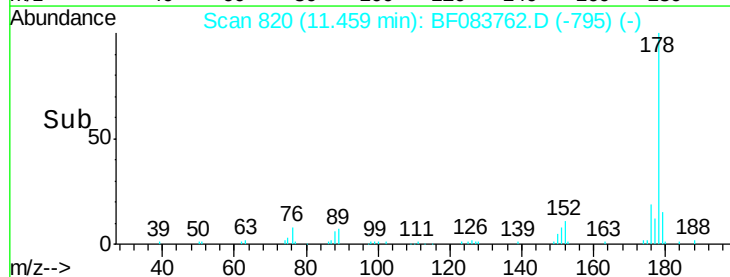
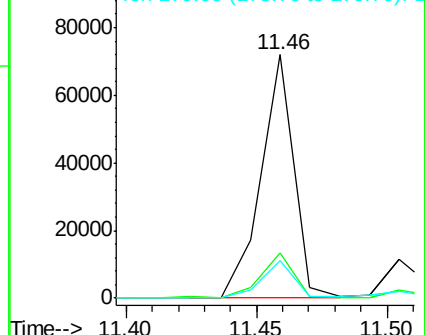
179 15.3 12.2 18.4

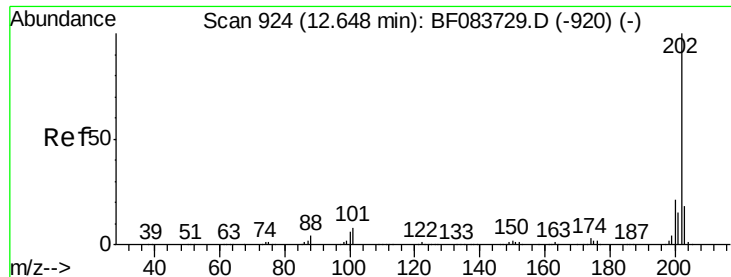


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

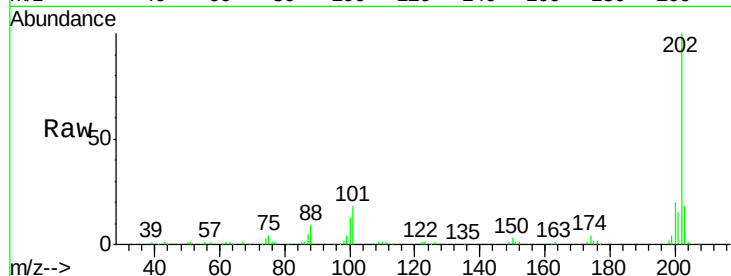




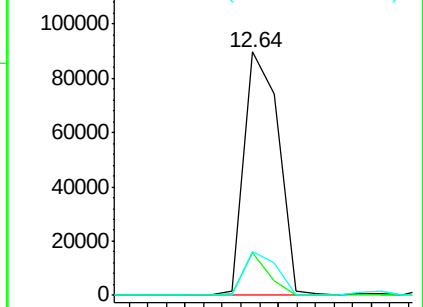
#74
 Fluoranthene
 Concen: 7.66 ng
 RT: 12.64 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF083762.D
 Acq: 14 Dec 2015 6:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

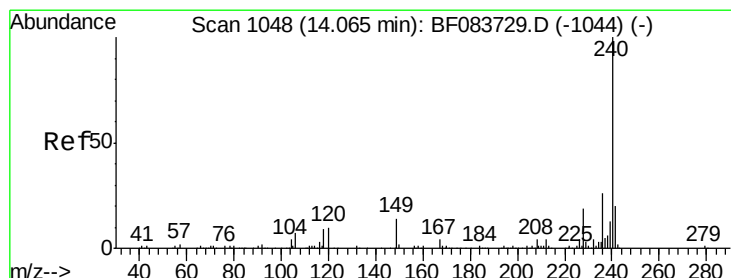
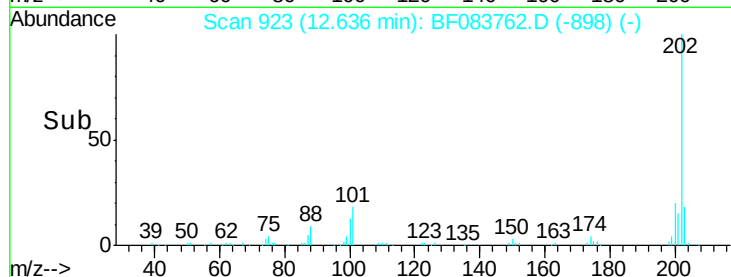
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	31.5
203	18.0	0.0	37.6



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

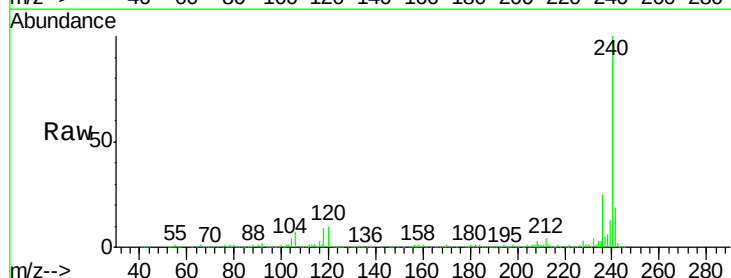


Time-->

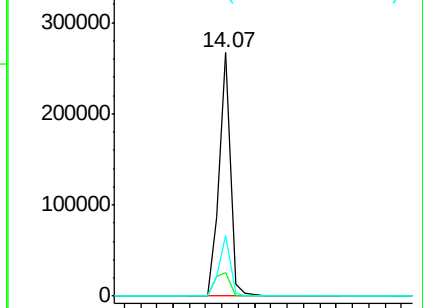


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: BF083762.D
 Acq: 14 Dec 2015 6:57

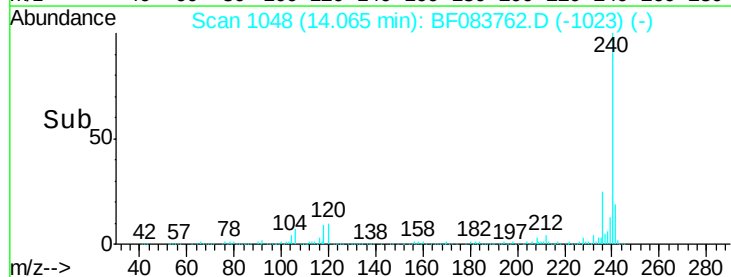
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.1	12.1
236	25.1	20.8	31.2

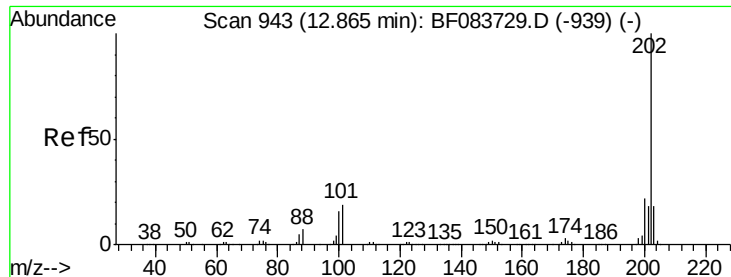


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 4.78 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

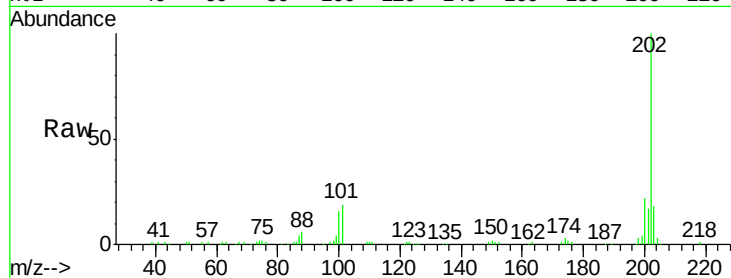
Tgt Ion:202 Resp: 97634

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

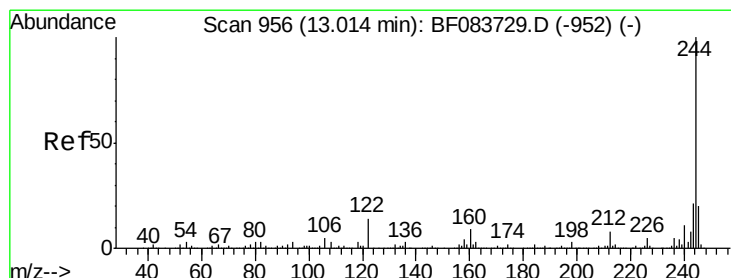
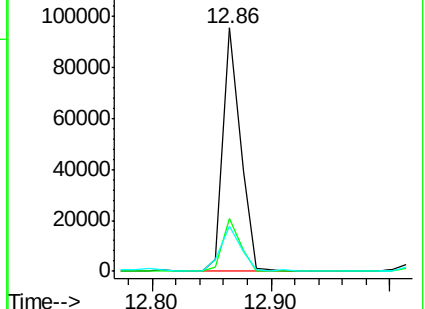
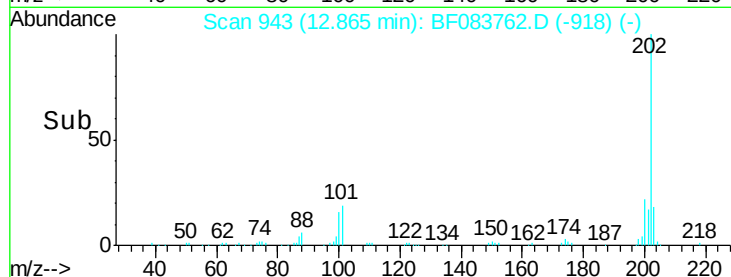
203 18.4 14.3 21.5



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: 55.46 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

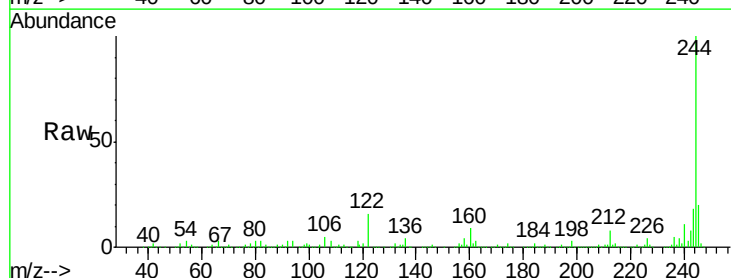
Tgt Ion:244 Resp: 666586

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

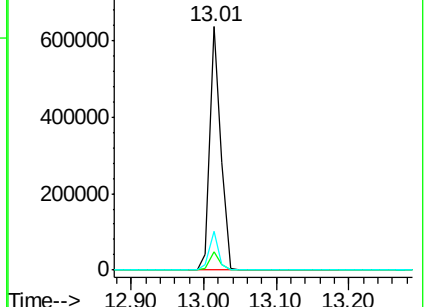
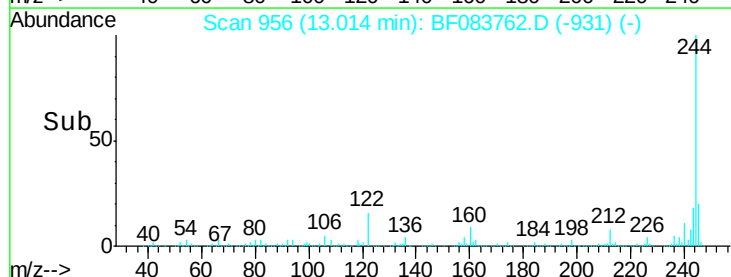
122 15.7 11.0 16.6

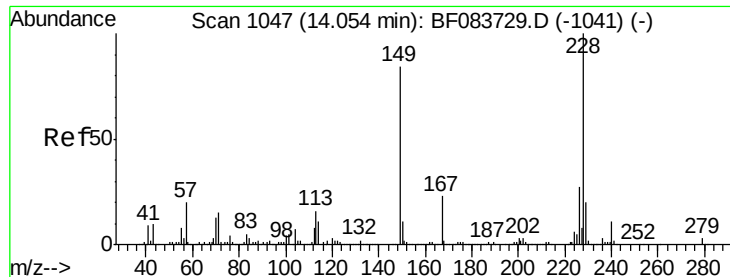


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.45 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.02 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

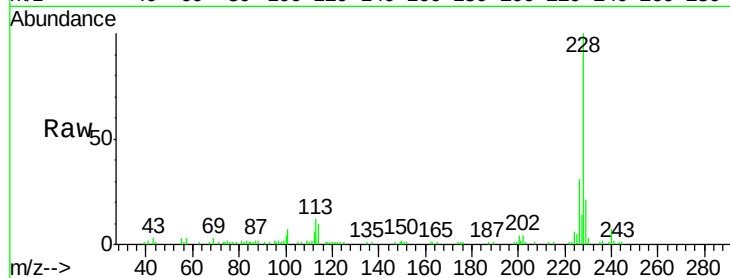
Tgt Ion:228 Resp: 35984

Ion Ratio Lower Upper

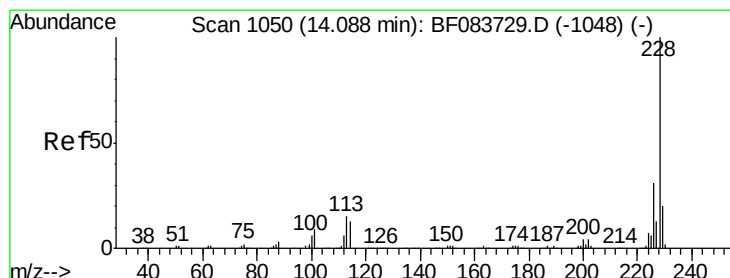
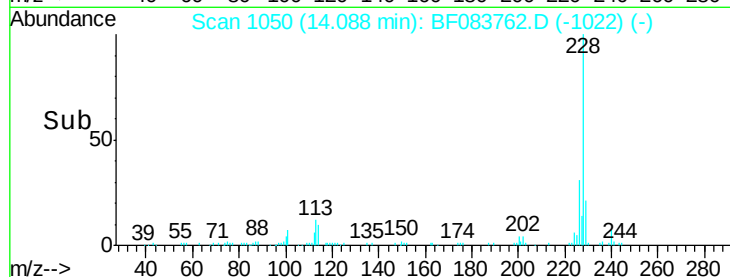
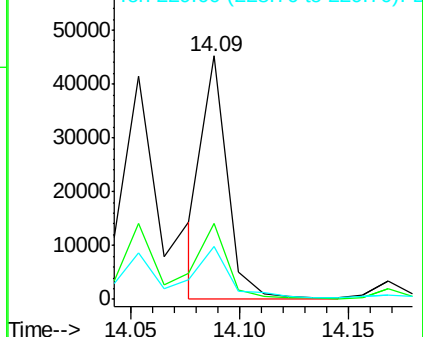
228 100

226 31.0 22.3 33.5

229 21.5 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: 2.51 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083762.D

Acq: 14 Dec 2015 6:57

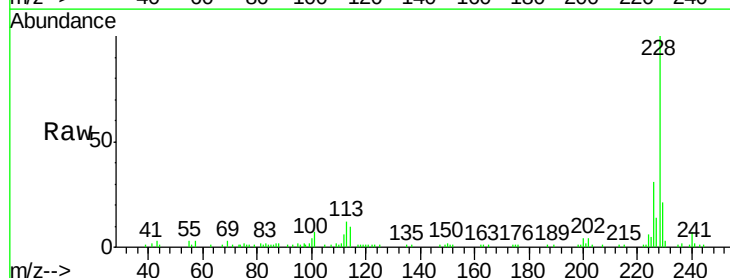
Tgt Ion:228 Resp: 35984

Ion Ratio Lower Upper

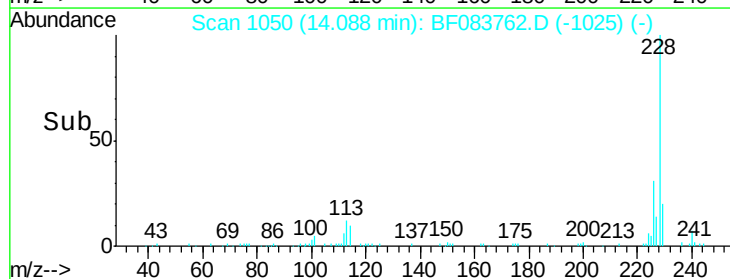
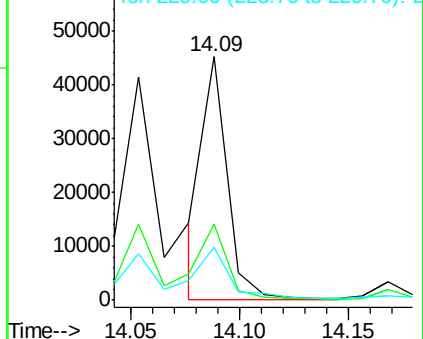
228 100

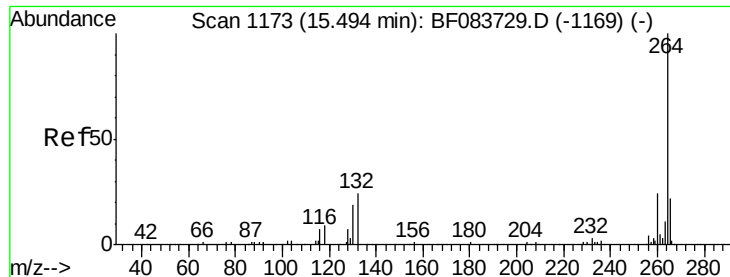
226 31.0 24.7 37.1

229 21.5 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

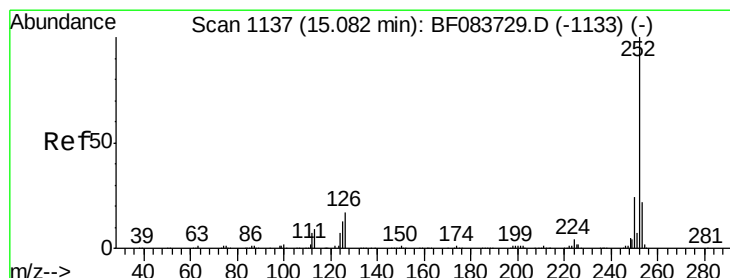
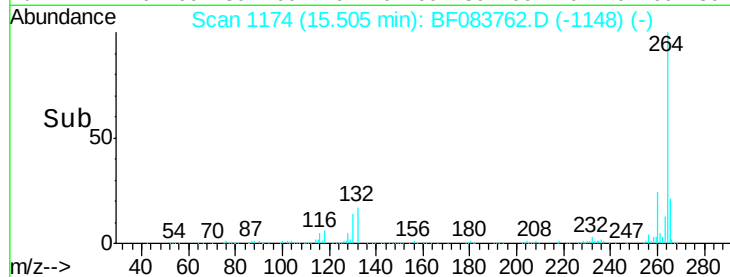
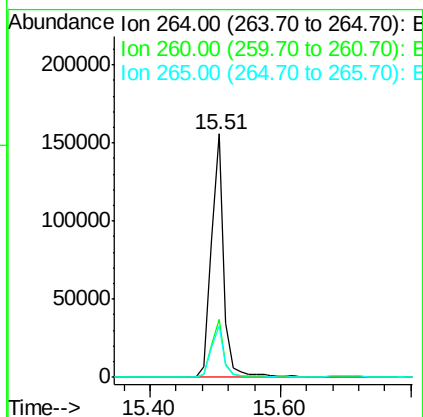
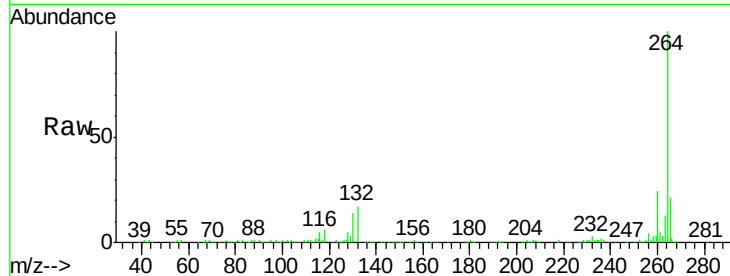




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

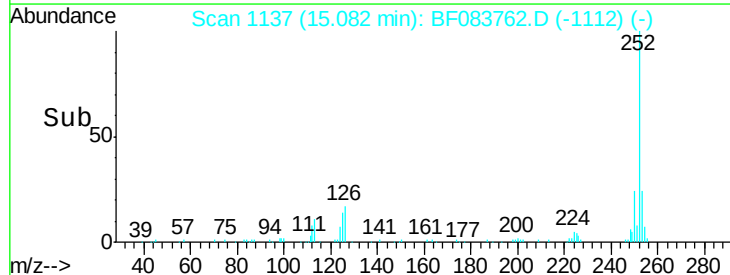
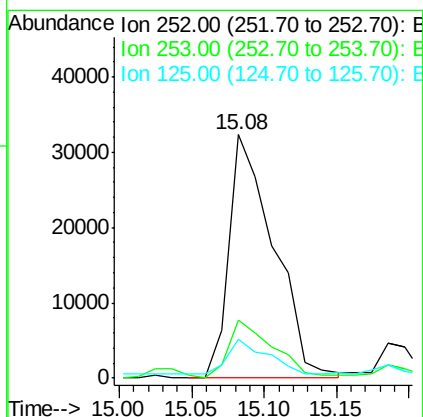
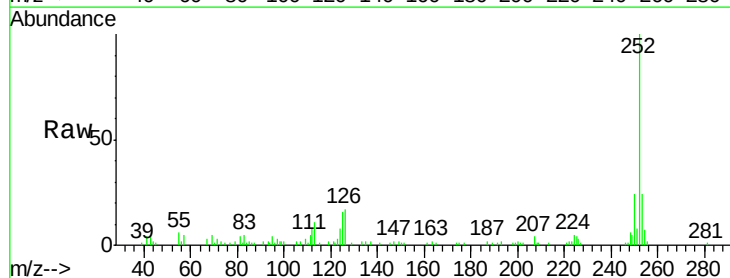
Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

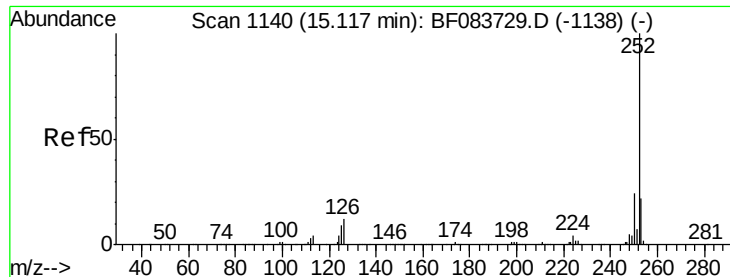
Tgt Ion:264 Resp: 209888
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.16 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

Tgt Ion:252 Resp: 69158
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 15.8 8.2 12.4#

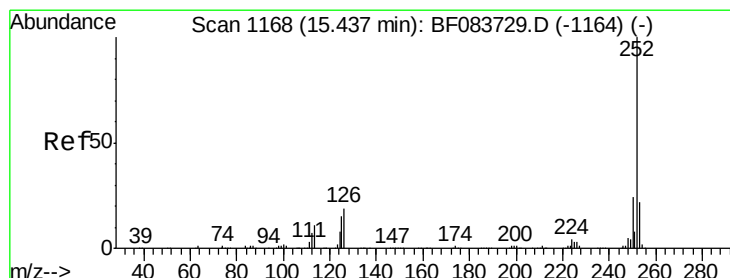
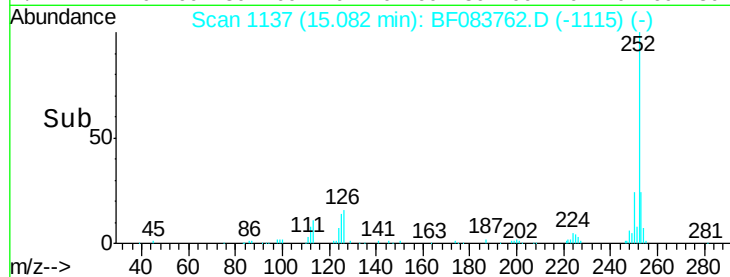
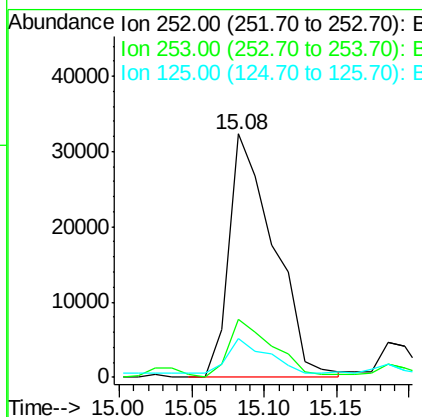
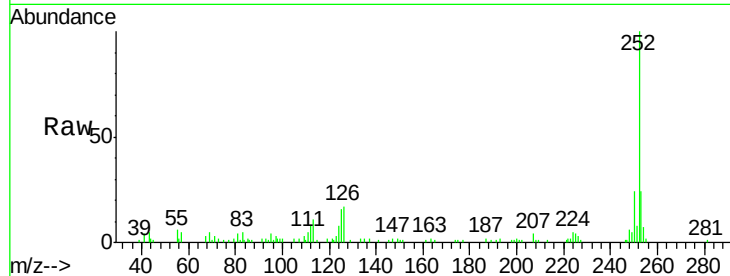




#88
Benzo(k)fluoranthene
Concen: 5.70 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

Tgt Ion: 252 Resp: 69158
Ion Ratio Lower Upper
252 100
253 23.9 18.6 27.8
125 15.8 11.5 17.3



#89
Benzo(a)pyrene
Concen: 2.63 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF083762.D
Acq: 14 Dec 2015 6:57

Tgt Ion: 252 Resp: 31448
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 15.6 11.0 16.6

