

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081532.D
 Acq On : 8 Sep 2015 20:21
 Operator : UM/IZ
 Sample : G3555-08RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8

Quant Time: Sep 08 23:52:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

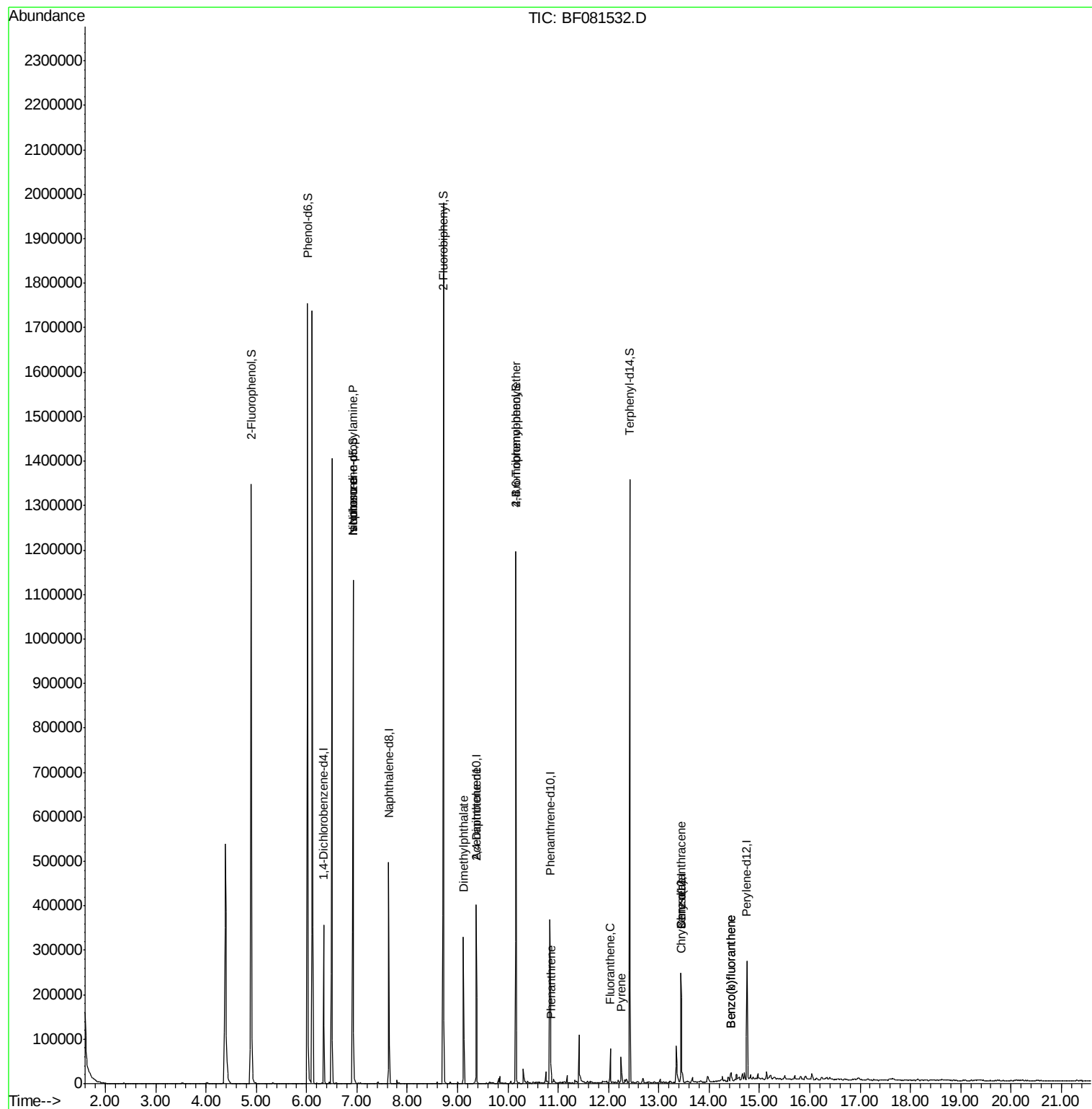
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	51505	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	200198	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	88089	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	159069	20.00	ng	-0.01
75) Chrysene-d12	13.45	240	110951	20.00	ng	0.00
86) Perylene-d12	14.75	264	105683	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	468088	141.00	ng	0.02
7) Phenol-d6	6.02	99	607334	138.21	ng	0.00
23) Nitrobenzene-d5	6.92	82	361889	87.21	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	102559	130.76	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	558808	81.29	ng	0.00
78) Terphenyl-d14	12.42	244	400105	83.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.92	70	50695	16.95	ng	# 64
25) Isophorone	6.92	82	283001	36.67	ng	# 58
49) Dimethylphthalate	9.12	163	128381	18.76	ng	# 97
56) 2,4-Dinitrotoluene	9.37	165	10976	5.55	ng	# 31
66) 4-Bromophenyl-phenylether	10.16	248	7734	4.81	ng	# 1
70) Phenanthrene	10.86	178	18106	2.05	ng	97
74) Fluoranthene	12.03	202	32141	3.36	ng	87
77) Pyrene	12.25	202	26789	3.26	ng	96
80) Benzo(a)anthracene	13.44	228	21900	3.10	ng	93
82) Chrysene	13.44	228	21900	3.46	ng	95
87) Benzo(b)fluoranthene	14.43	252	15255	2.02	ng	# 85
88) Benzo(k)fluoranthene	14.43	252	15255	2.44	ng	# 86

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

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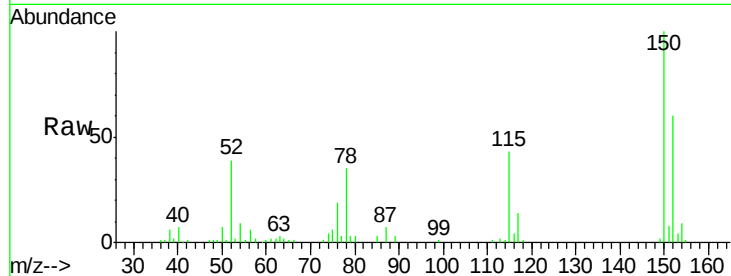


#1

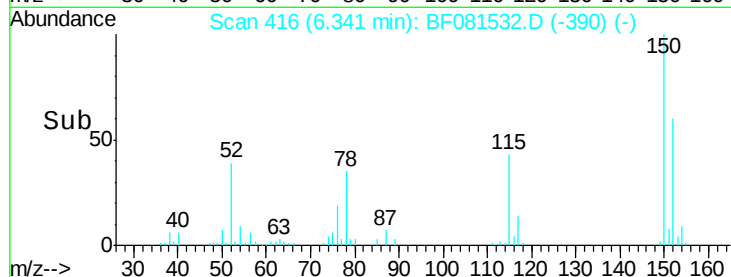
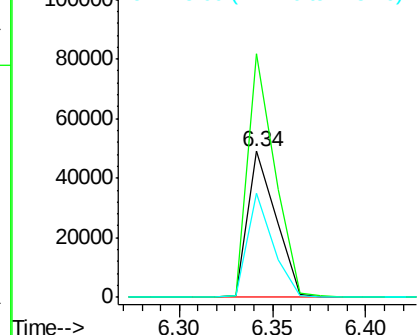
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

Instrument :
BNA_F
ClientSampled :
SB-8

Tot Ion:152 Resp: 51505
Ion Ratio Lower Upper
152 100
150 166.5 124.7 187.1
115 71.1 39.0 58.4#



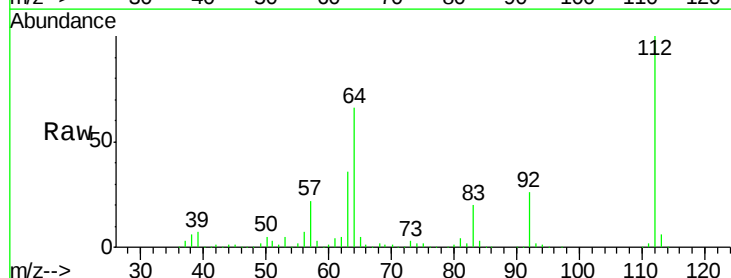
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



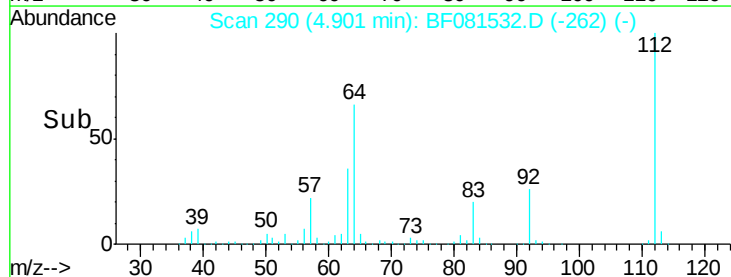
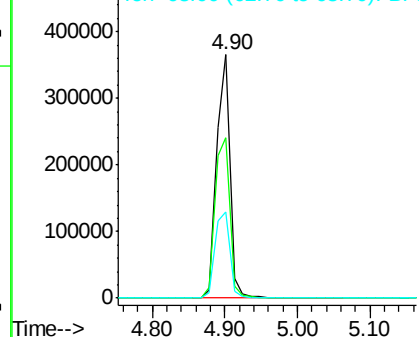
#5

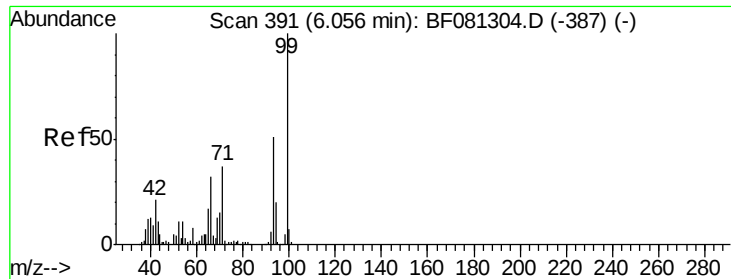
2-Fluorophenol
Concen: 141.00 ng
RT: 4.90 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

Tgt Ion:112 Resp: 468088
Ion Ratio Lower Upper
112 100
64 65.6 39.7 59.5#
63 35.6 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.21 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleId :

SB-8

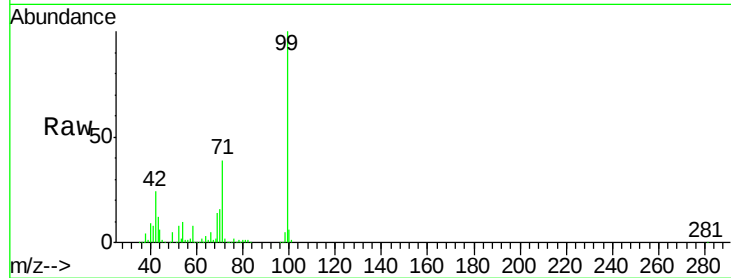
Tot Ion: 99 Resp: 607334

Ion Ratio Lower Upper

99 100

42 23.7 13.7 20.5#

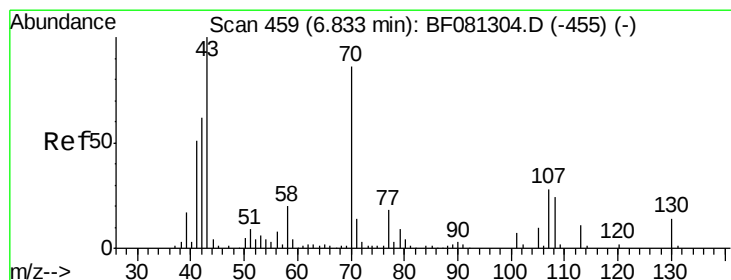
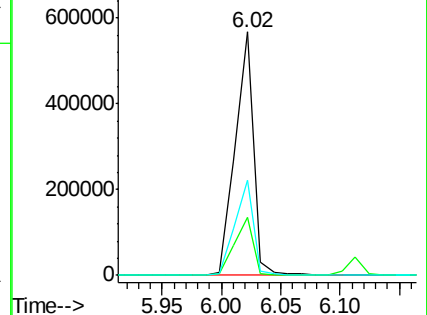
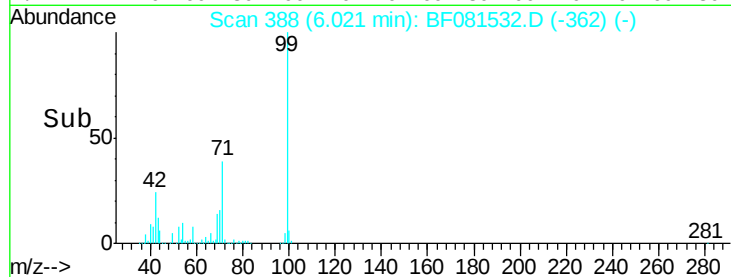
71 39.0 14.2 21.2#



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: 16.95 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Tgt Ion: 70 Resp: 50695

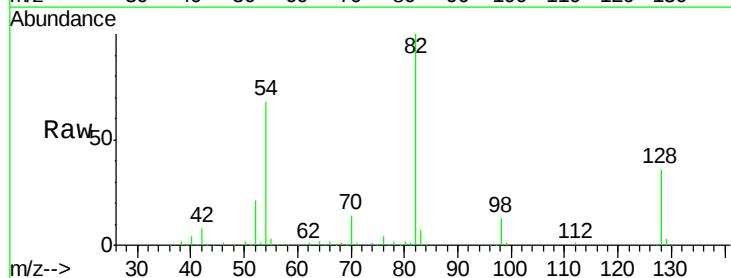
Ion Ratio Lower Upper

70 100

42 55.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#

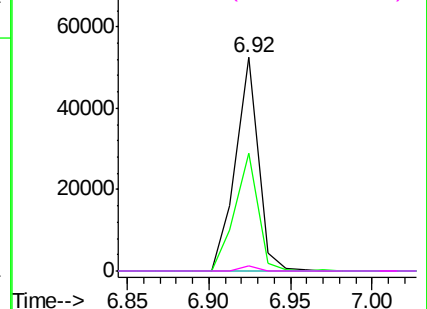
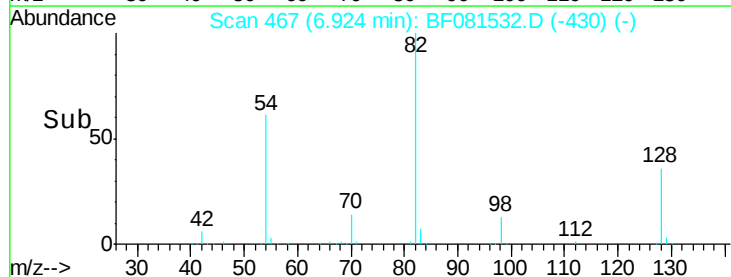


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 200198

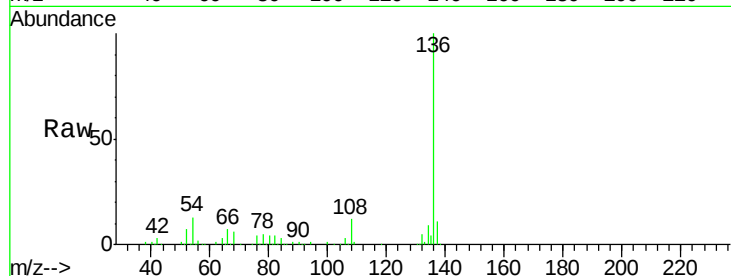
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.8 8.2 12.2#

68 5.5 5.8 8.6#

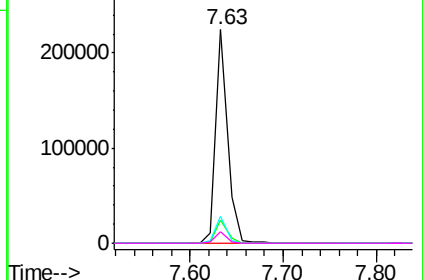
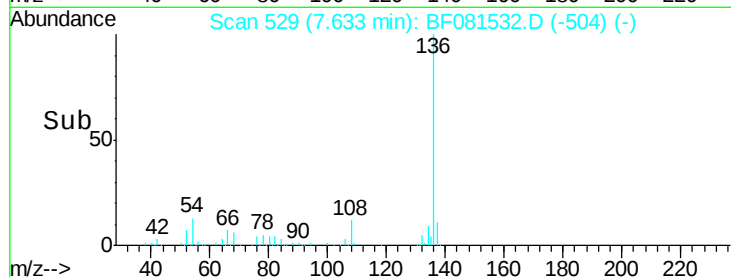


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.21 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

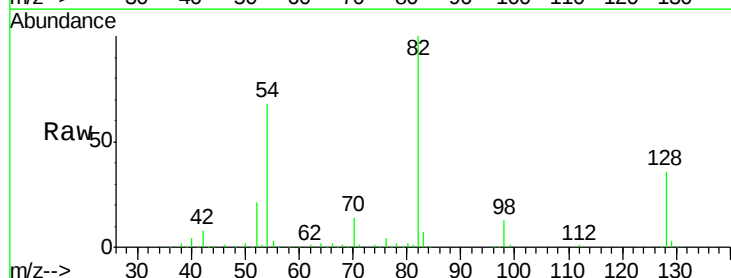
Tgt Ion: 82 Resp: 361889

Ion Ratio Lower Upper

82 100

128 36.4 51.0 76.6#

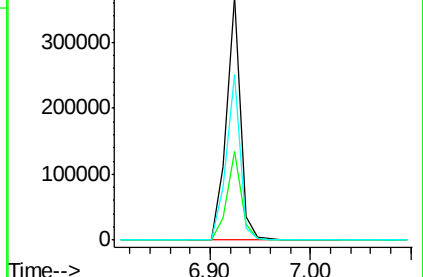
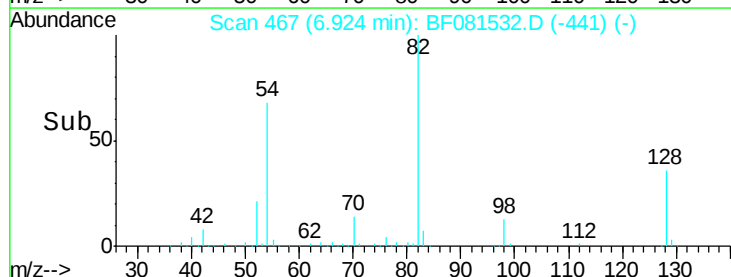
54 67.9 47.5 71.3

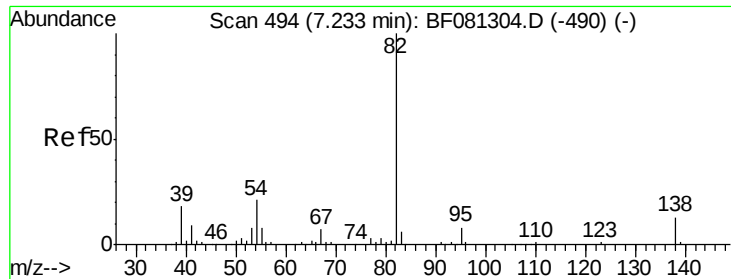


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.67 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.27 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleId :

SB-8

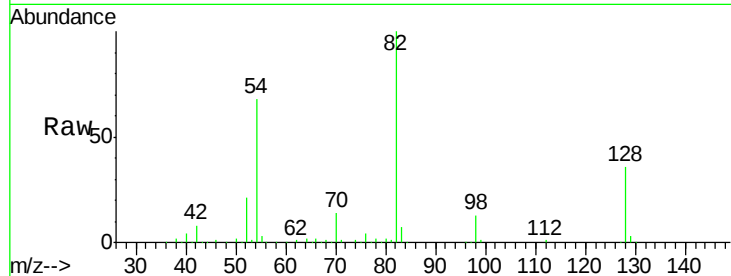
Tot Ion: 82 Resp: 283001

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

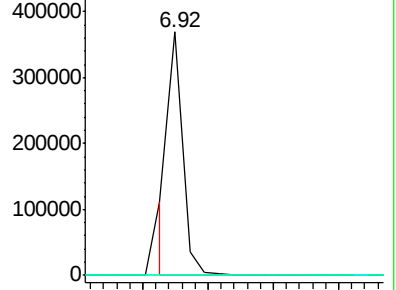
138 0.0 18.3 27.5#



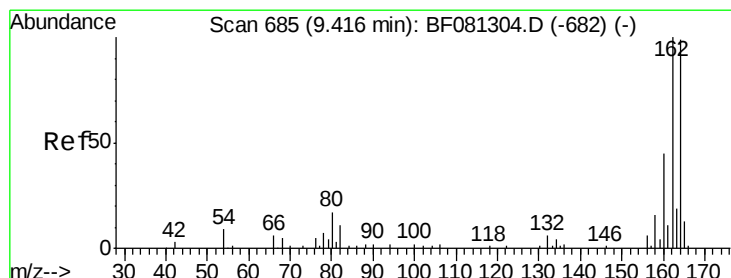
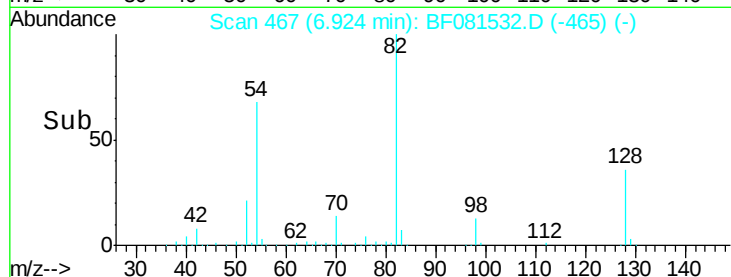
Abundance Ion 82.00 (81.70 to 82.70): BF081532.D (-465) (-)

Ion 95.00 (94.70 to 95.70): BF081532.D (-465) (-)

Ion 138.00 (137.70 to 138.70): BF081532.D (-465) (-)



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

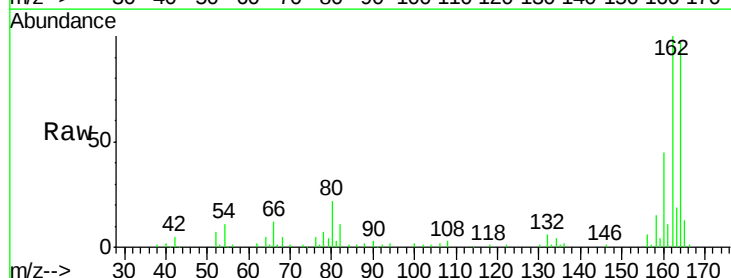
Tgt Ion: 164 Resp: 88089

Ion Ratio Lower Upper

164 100

162 103.1 75.2 112.8

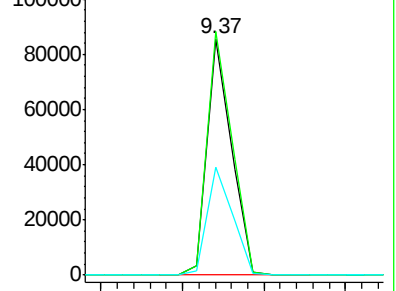
160 45.9 31.5 47.3



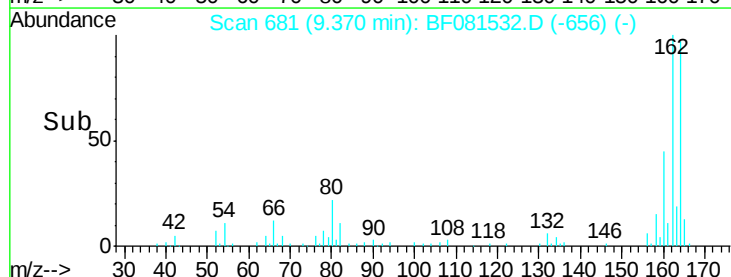
Abundance Ion 164.00 (163.70 to 164.70): BF081532.D (-656) (-)

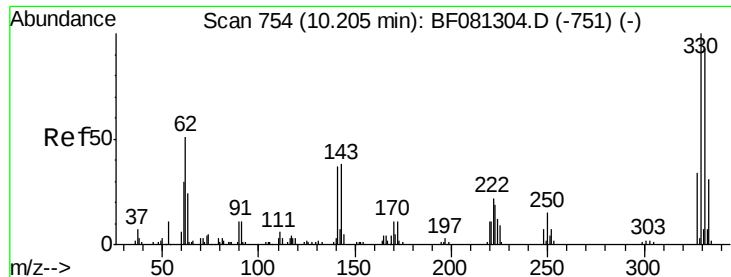
Ion 162.00 (161.70 to 162.70): BF081532.D (-656) (-)

Ion 160.00 (159.70 to 160.70): BF081532.D (-656) (-)



Time-->

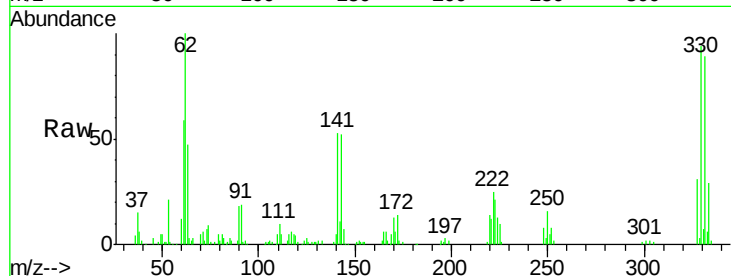




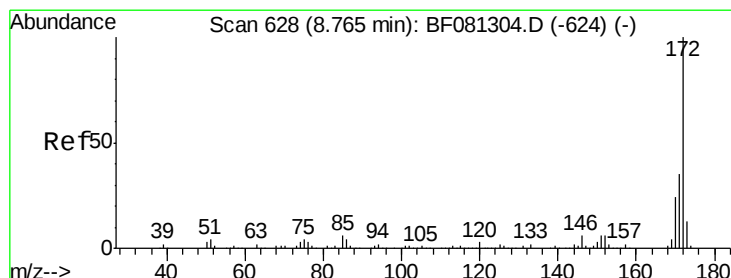
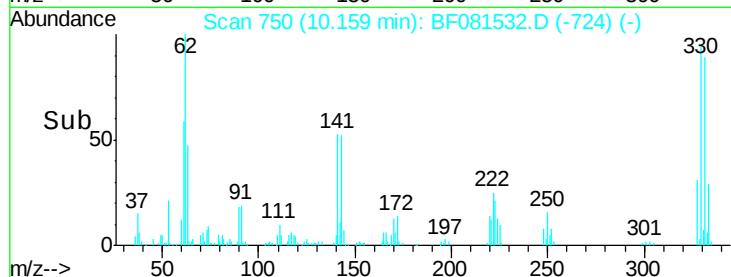
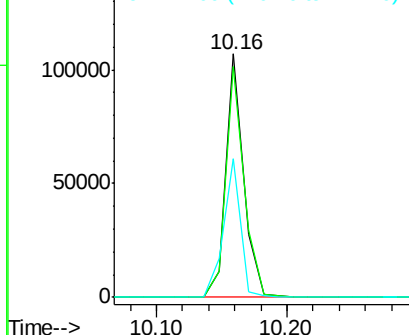
#41
 2,4,6-Tribromophenol
 Concen: 130.76 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-8

Tot Ion:330 Resp: 102559
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 54.1 29.7 44.5#

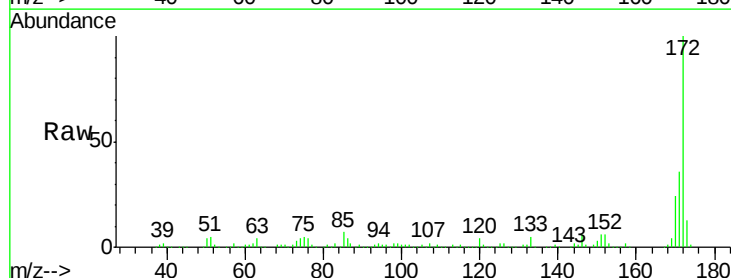


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

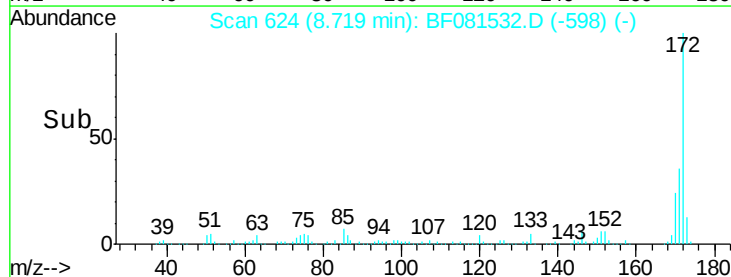
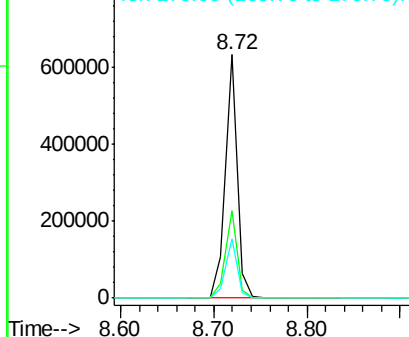


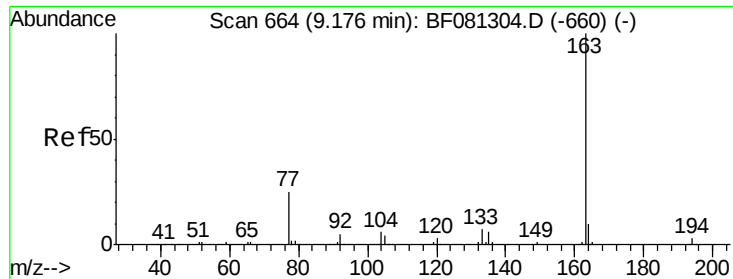
#44
 2-Fluorobiphenyl
 Concen: 81.29 ng
 RT: 8.72 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

Tgt Ion:172 Resp: 558808
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.1 39.1
 170 24.3 17.4 26.2



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

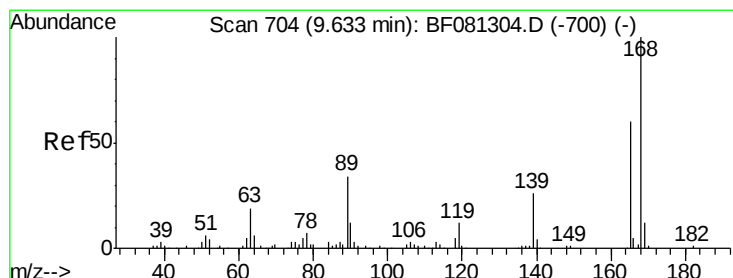
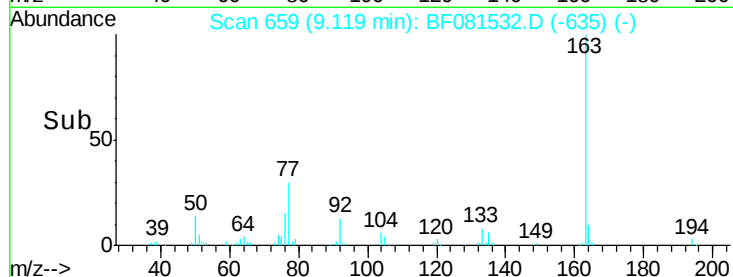
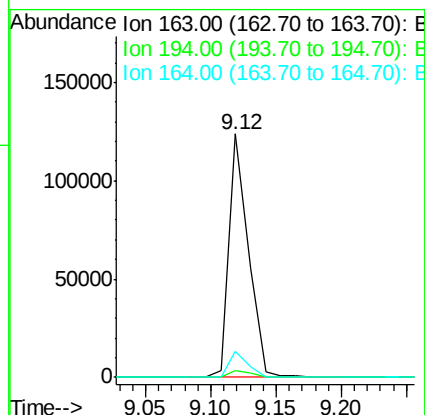
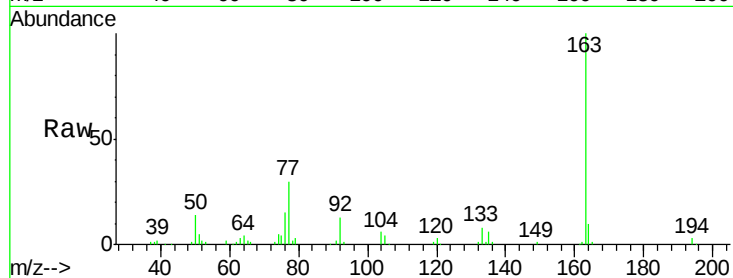




#49
Dimethylphthalate
Concen: 18.76 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

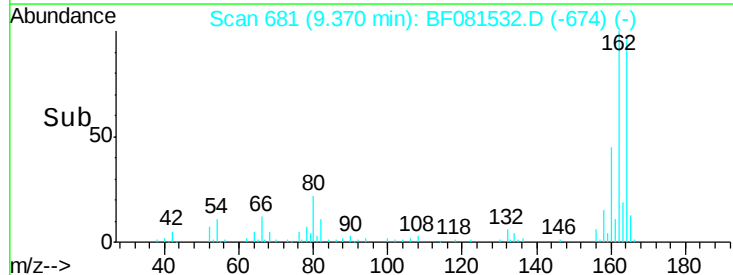
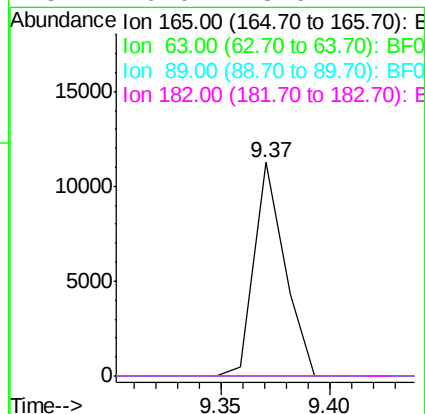
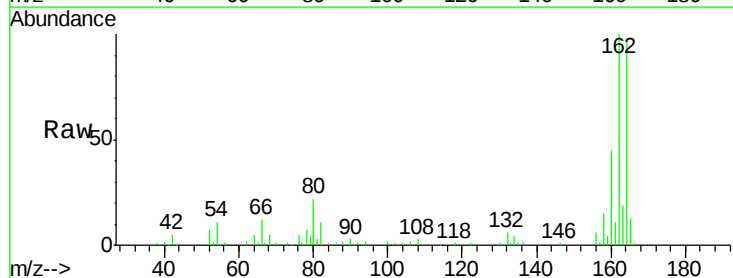
Instrument :
BNA_F
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SB-8

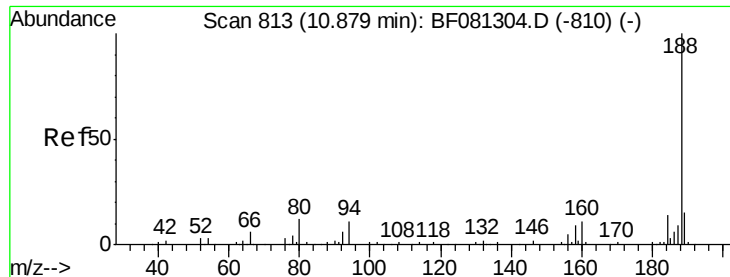
Tot Ion:163 Resp: 128381
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 10.5 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.55 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

Tgt Ion:165 Resp: 10976
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#

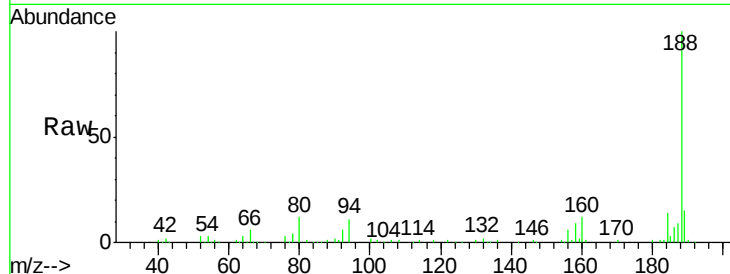




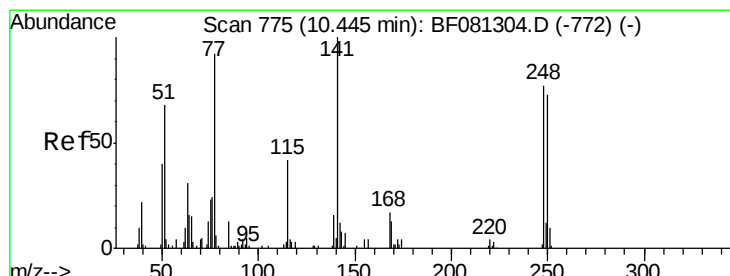
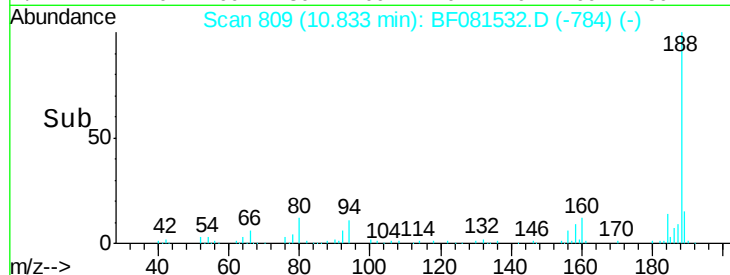
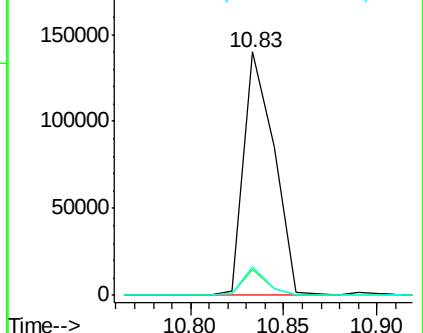
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-8

Tot Ion:188 Resp: 159069
 Ion Ratio Lower Upper
 188 100
 94 10.5 11.1 16.7#
 80 11.9 11.0 16.4

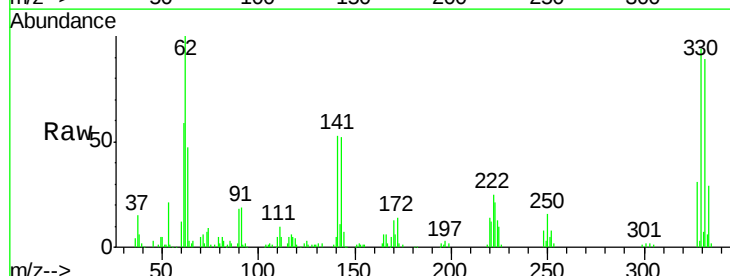


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

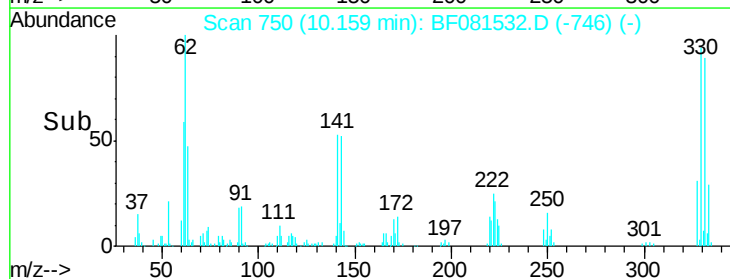
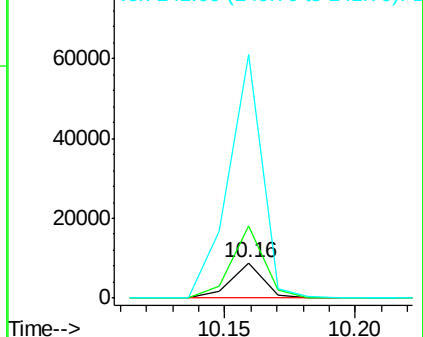


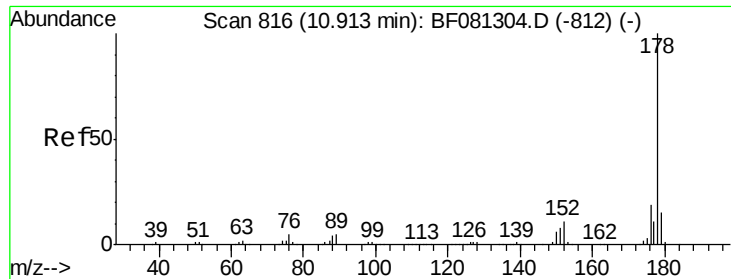
#66
 4-Bromophenyl-phenylether
 Concen: 4.81 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

Tgt Ion:248 Resp: 7734
 Ion Ratio Lower Upper
 248 100
 250 203.6 78.5 117.7#
 141 690.9 59.0 88.6#



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

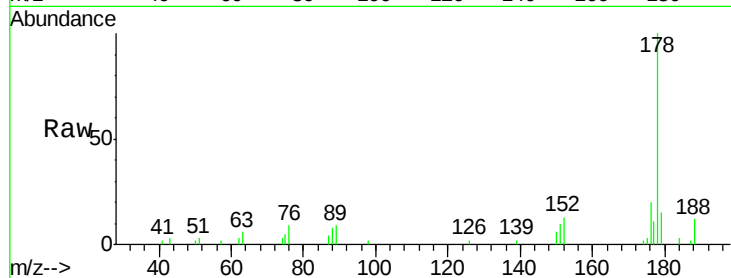




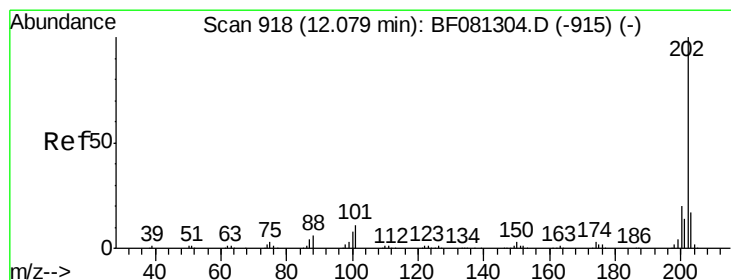
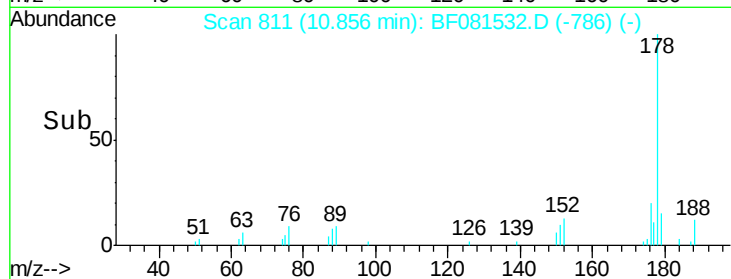
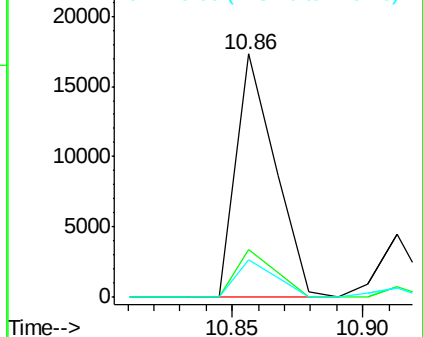
#70
Phenanthrene
Concen: 2.05 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

Instrument :
BNA_F
ClientSampled :
SB-8

Tot Ion:178 Resp: 18106
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 15.2 12.2 18.2

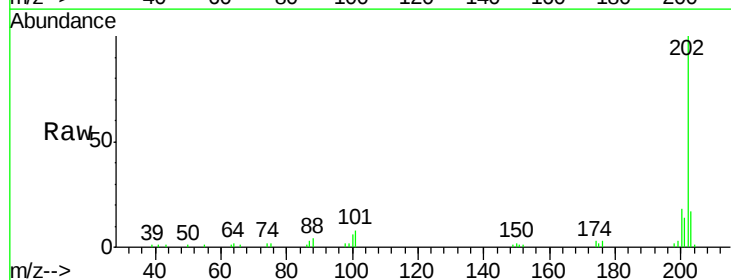


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

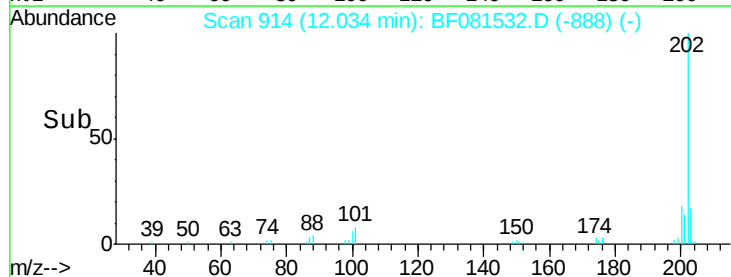
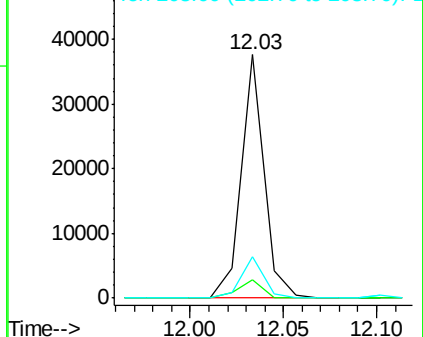


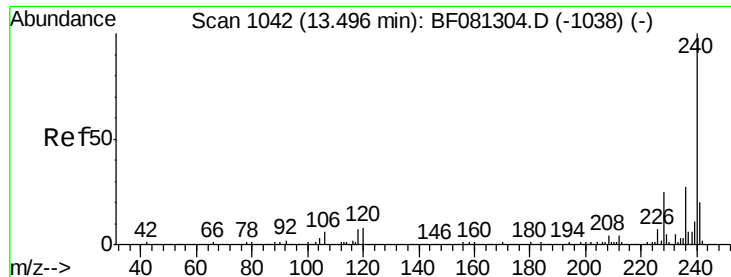
#74
Fluoranthene
Concen: 3.36 ng
RT: 12.03 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF081532.D
Acq: 8 Sep 2015 20:21

Tgt Ion:202 Resp: 32141
Ion Ratio Lower Upper
202 100
101 7.8 0.0 38.3
203 16.8 0.0 37.3



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: 13.45 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleId :

SB-8

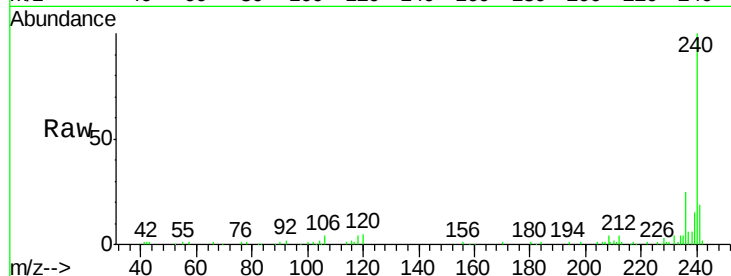
Tot Ion:240 Resp: 110951

Ion Ratio Lower Upper

240 100

120 5.2 16.2 24.2#

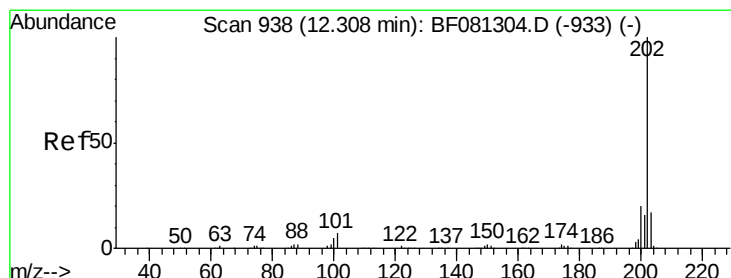
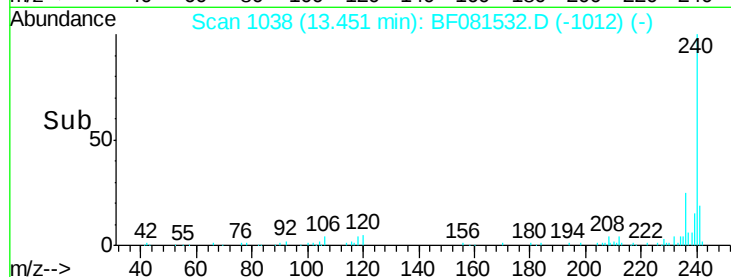
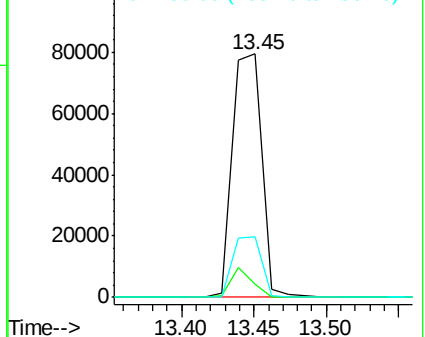
236 24.8 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.26 ng

RT: 12.25 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

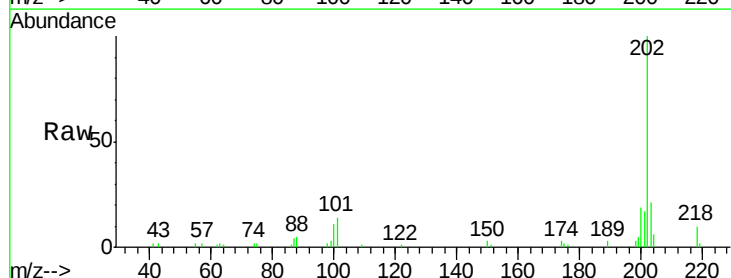
Tgt Ion:202 Resp: 26789

Ion Ratio Lower Upper

202 100

200 19.1 15.0 22.4

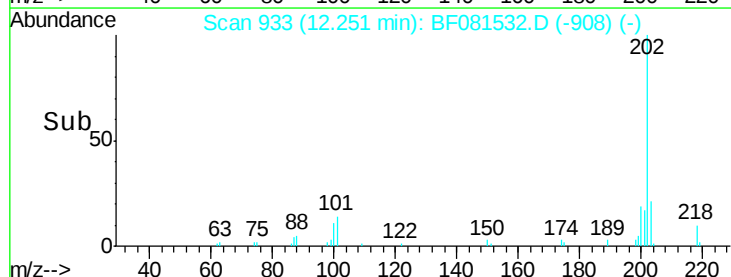
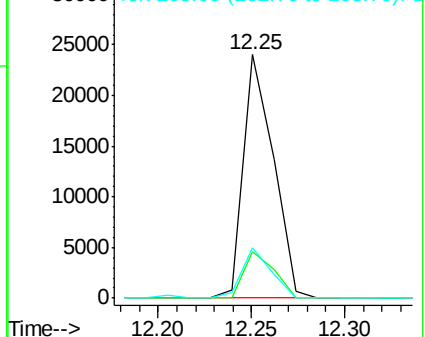
203 20.8 14.1 21.1

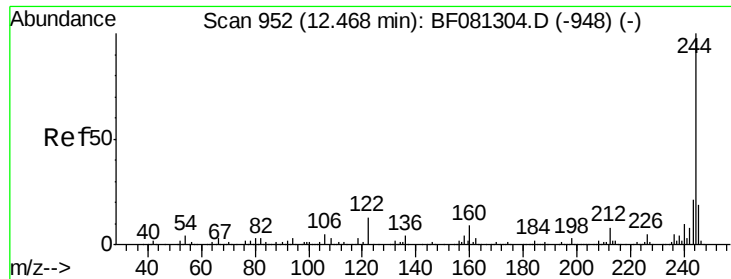


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

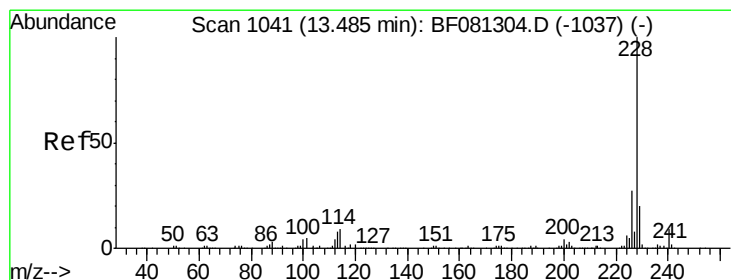
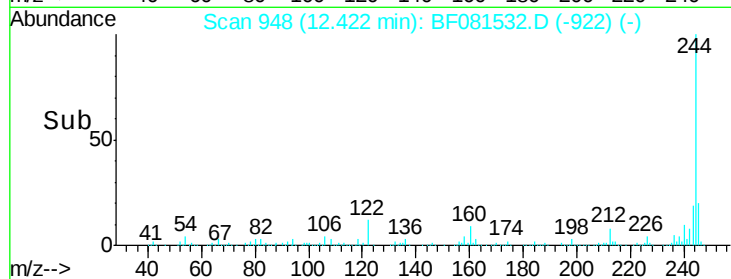
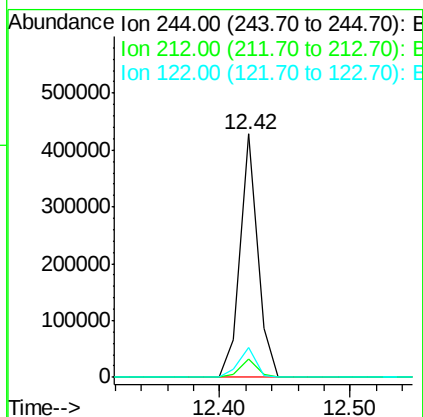
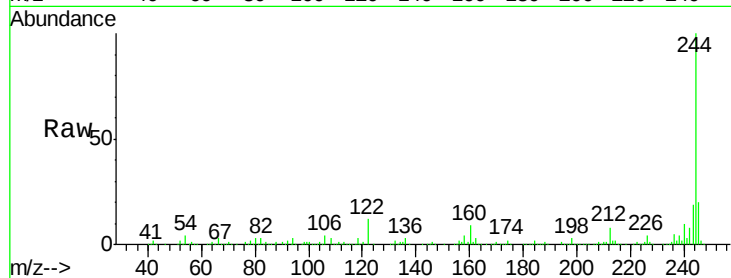




#78
 Terphenyl-d14
 Concen: 83.95 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

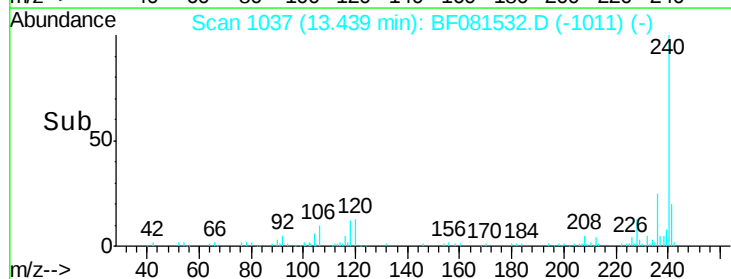
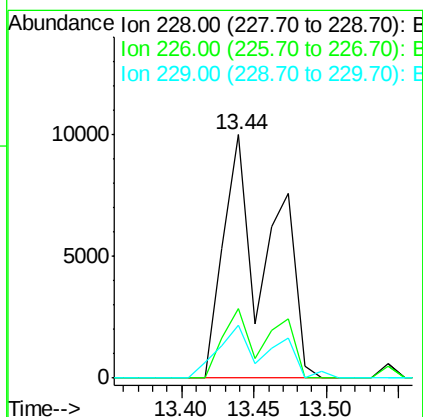
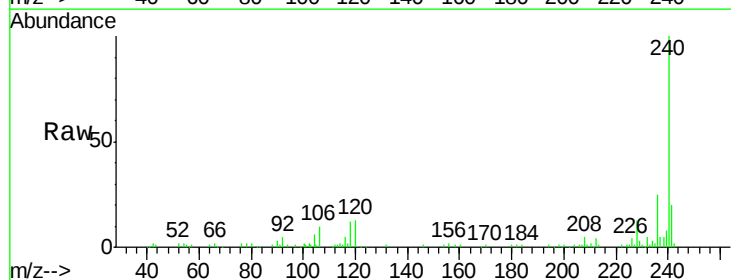
Instrument :
 BNA_F
 ClientSampleID :
 SB-8

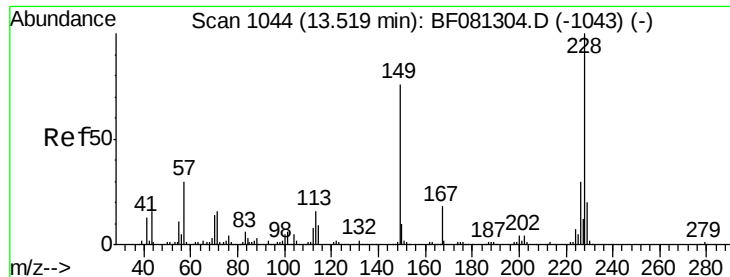
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	12.5	17.4	26.2#



#80
 Benzo(a)anthracene
 Concen: 3.10 ng
 RT: 13.44 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BF081532.D
 Acq: 8 Sep 2015 20:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	20.0	30.0
229	21.7	15.4	23.2





#82

Chrysene

Concen: 3.46 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleID :

SB-8

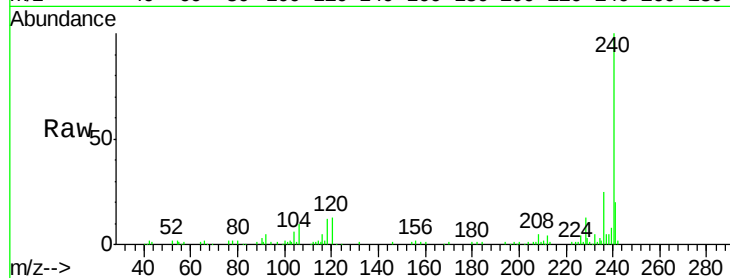
Tot Ion:228 Resp: 21900

Ion Ratio Lower Upper

228 100

226 28.8 21.0 31.4

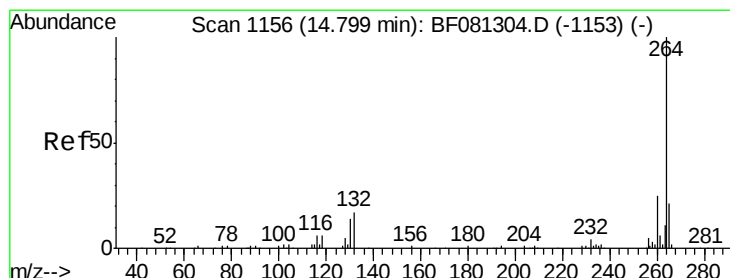
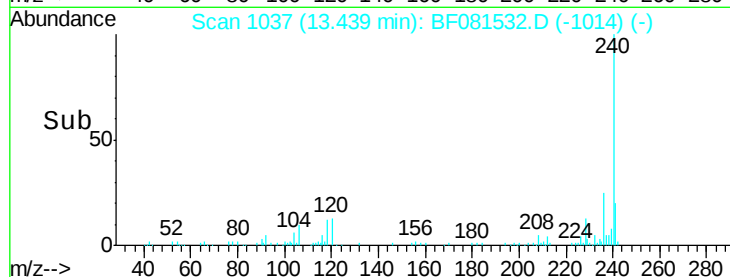
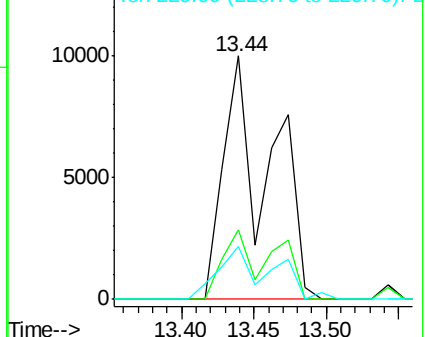
229 21.7 15.6 23.4



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: 14.75 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

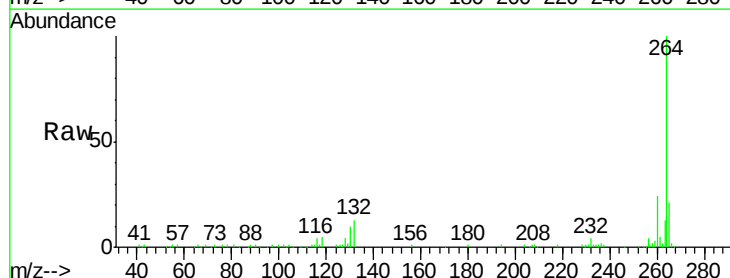
Tgt Ion:264 Resp: 105683

Ion Ratio Lower Upper

264 100

260 24.0 16.7 25.1

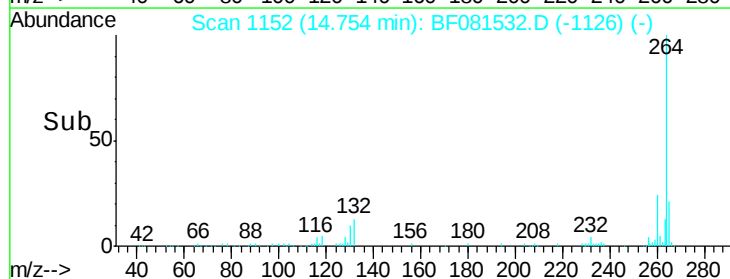
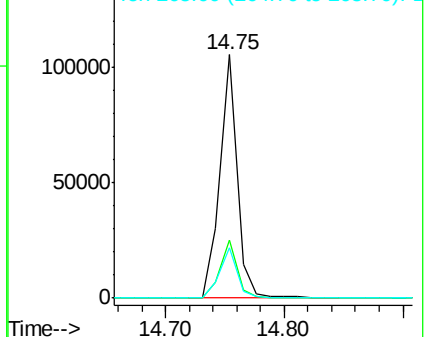
265 20.7 17.2 25.8

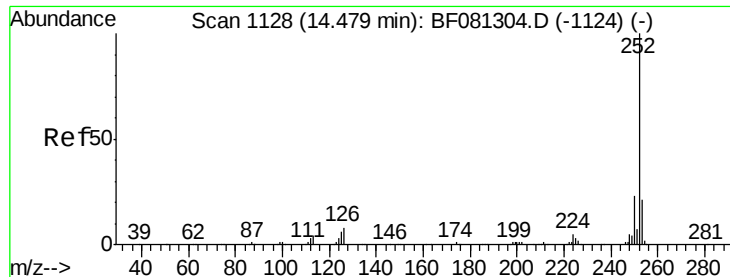


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.02 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

Instrument :

BNA_F

ClientSampleId :

SB-8

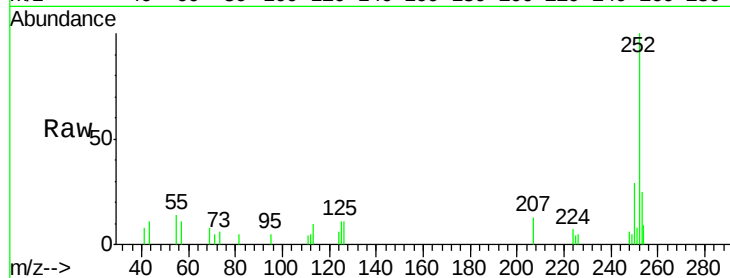
Tot Ion:252 Resp: 15255

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

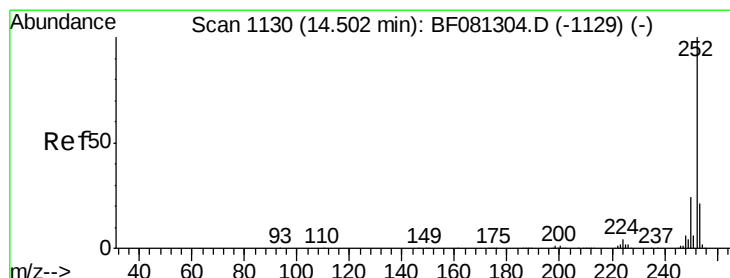
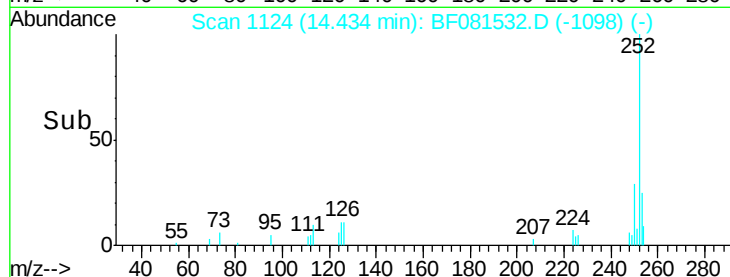
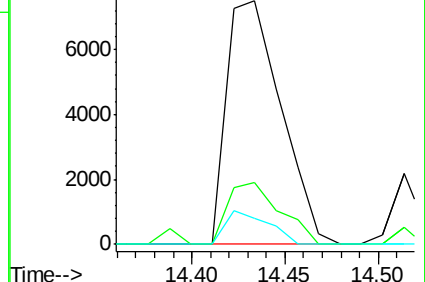
125 10.9 17.1 25.7#



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



#88

Benzo(k)fluoranthene

Concen: 2.44 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF081532.D

Acq: 8 Sep 2015 20:21

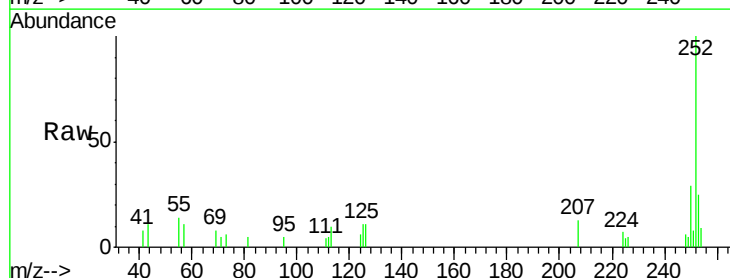
Tgt Ion:252 Resp: 15255

Ion Ratio Lower Upper

252 100

253 25.5 17.0 25.4#

125 10.9 16.0 24.0#



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

