

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081372.D
 Acq On : 3 Sep 2015 3:27
 Operator : UM/IZ
 Sample : G3490-03 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6TPB(4.5-5)

Quant Time: Sep 03 04:02:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

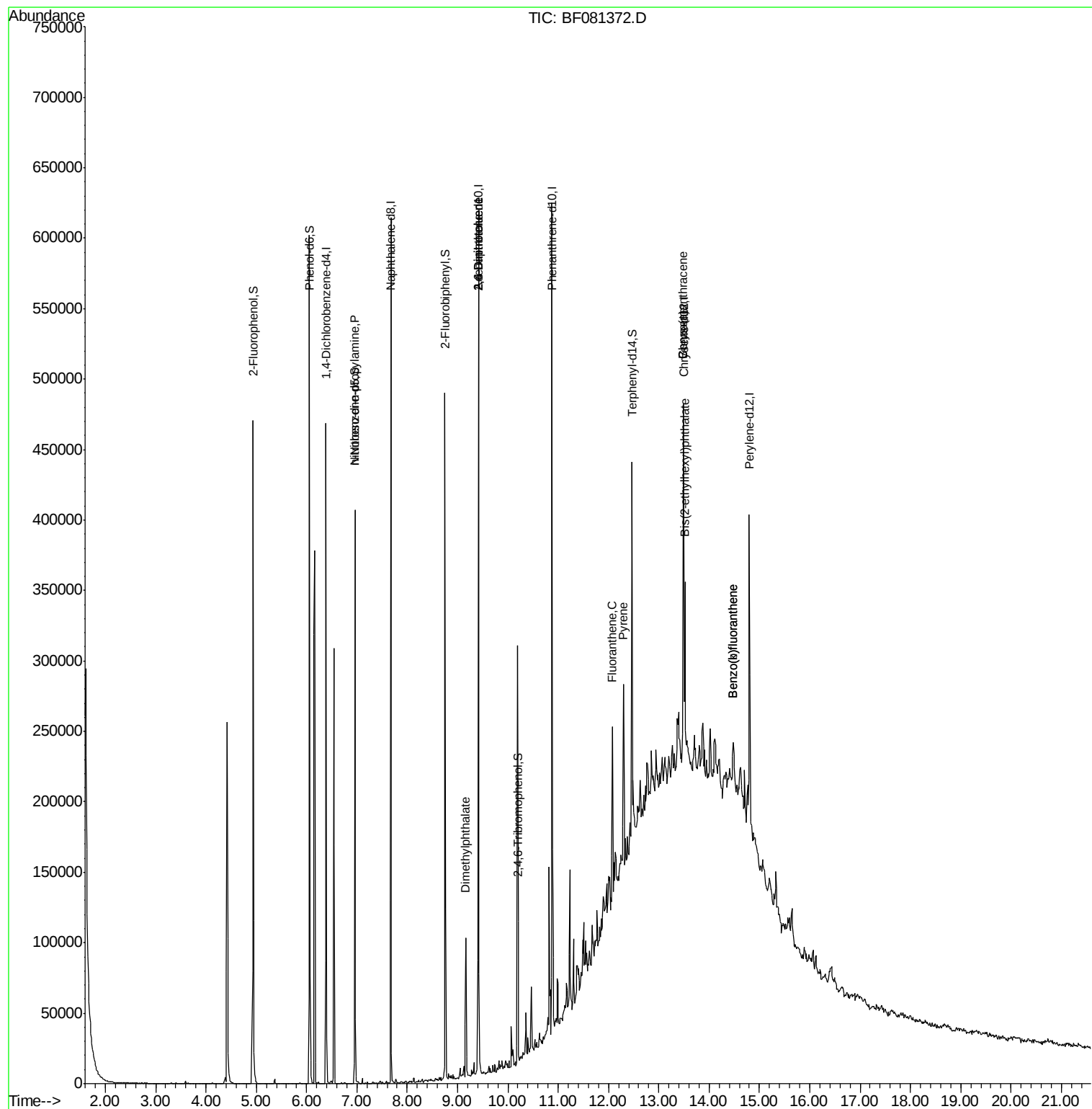
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	63709	20.00	ng	0.00
21) Naphthalene-d8	7.68	136	246749	20.00	ng	0.00
38) Acenaphthene-d10	9.42	164	107048	20.00	ng	0.00
63) Phenanthrene-d10	10.88	188	201057	20.00	ng	0.00
75) Chrysene-d12	13.50	240	120571	20.00	ng	0.00
86) Perylene-d12	14.80	264	90719	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.94	112	124128	30.23	ng	0.01
7) Phenol-d6	6.06	99	176903	32.55	ng	0.00
23) Nitrobenzene-d5	6.96	82	109624	21.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.20	330	26899	28.22	ng	0.00
44) 2-Fluorobiphenyl	8.75	172	143355	17.16	ng	-0.01
78) Terphenyl-d14	12.47	244	104876	20.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.96	70	15481	4.18	ng	# 62
49) Dimethylphthalate	9.16	163	42819	5.15	ng	# 97
50) 2,6-Dinitrotoluene	9.42	165	14128	7.48	ng	# 40
56) 2,4-Dinitrotoluene	9.42	165	14128	5.88	ng	# 35
74) Fluoranthene	12.08	202	51184	4.23	ng	# 87
77) Pyrene	12.30	202	54543	6.11	ng	# 96
80) Benzo(a)anthracene	13.49	228	25143	3.27	ng	# 89
82) Chrysene	13.49	228	25143	3.65	ng	# 91
83) Bis(2-ethylhexyl)phthalate	13.52	149	26534	5.18	ng	# 92
87) Benzo(b)fluoranthene	14.48	252	13476	2.08	ng	# 70
88) Benzo(k)fluoranthene	14.48	252	13476	2.51	ng	# 68

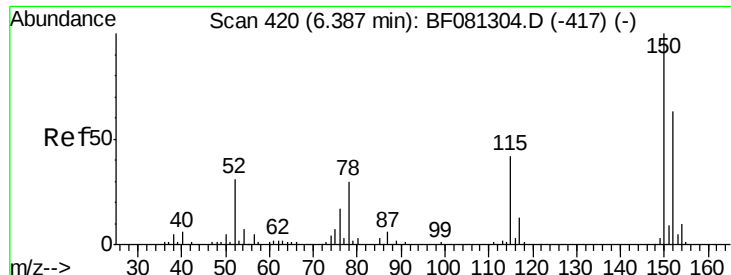
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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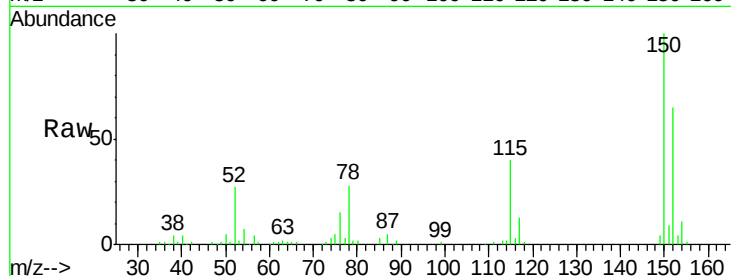


#1

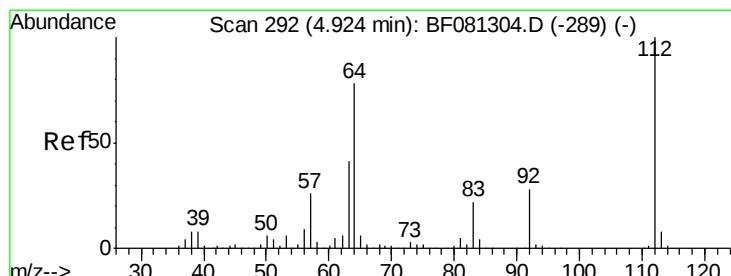
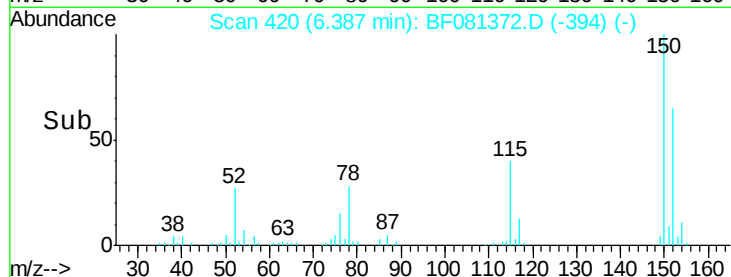
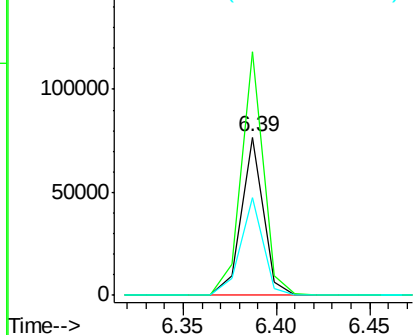
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

Instrument :
BNA_F
ClientSampleId :
6TPB(4.5-5)

Tot Ion:152 Resp: 63709
Ion Ratio Lower Upper
152 100
150 154.3 124.7 187.1
115 62.2 39.0 58.4#



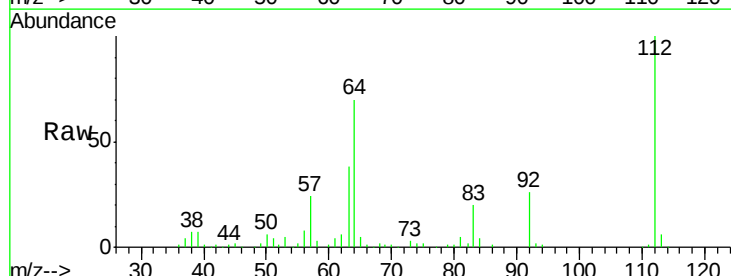
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



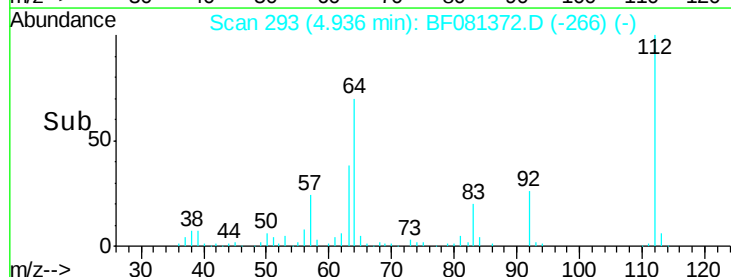
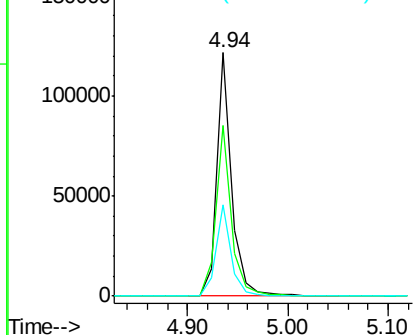
#5

2-Fluorophenol
Concen: 30.23 ng
RT: 4.94 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

Tgt Ion:112 Resp: 124128
Ion Ratio Lower Upper
112 100
64 69.9 39.7 59.5#
63 37.5 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: 32.55 ng

RT: 6.06 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampled :

6TPB(4.5-5)

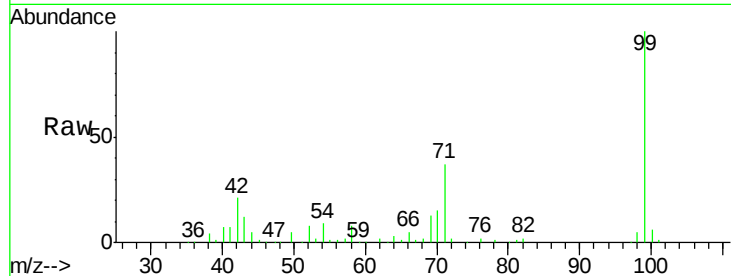
Tot Ion: 99 Resp: 176903

Ion Ratio Lower Upper

99 100

42 21.1 13.7 20.5#

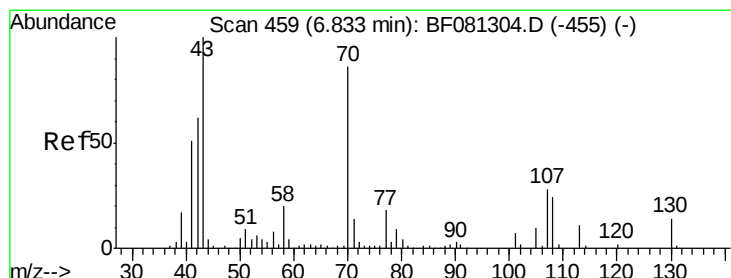
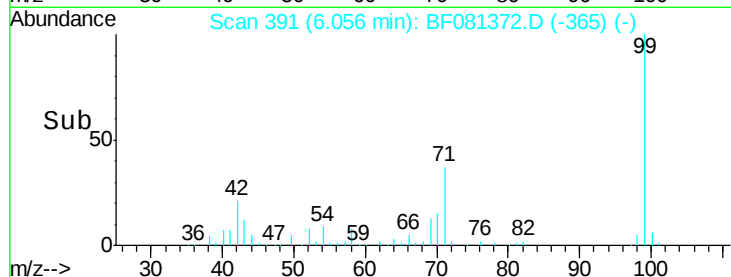
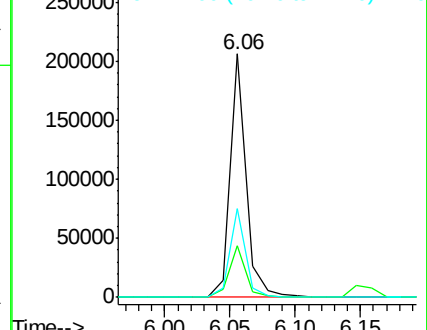
71 36.5 14.2 21.2#



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: 4.18 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.13 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Tgt Ion: 70 Resp: 15481

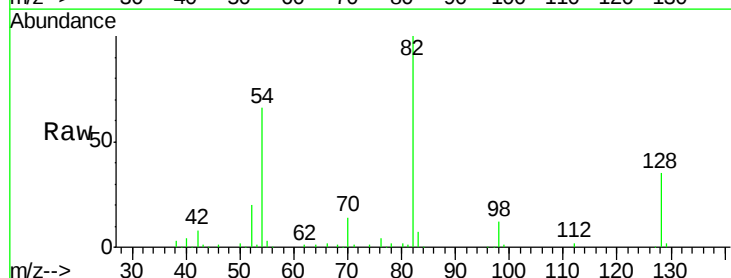
Ion Ratio Lower Upper

70 100

42 52.8 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#

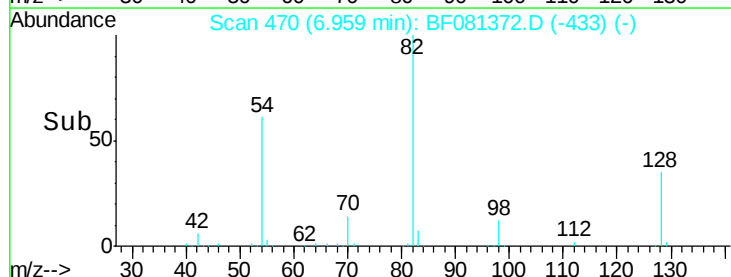
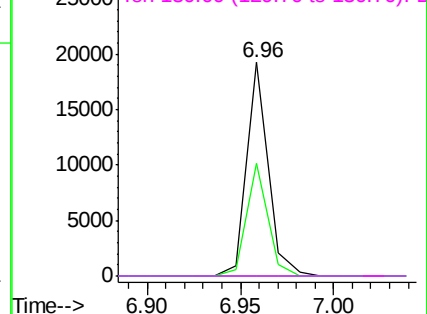


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)

Tot Ion:136 Resp: 246749

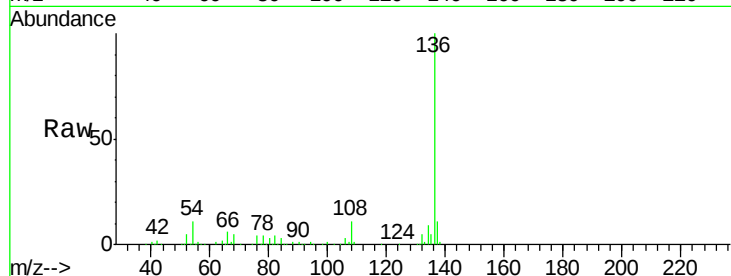
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 10.6 8.2 12.2

68 4.5 5.8 8.6#

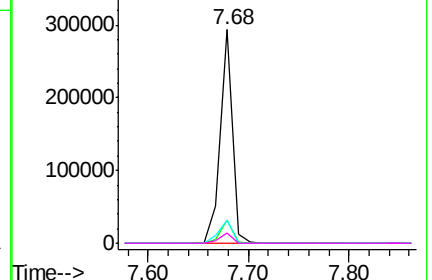
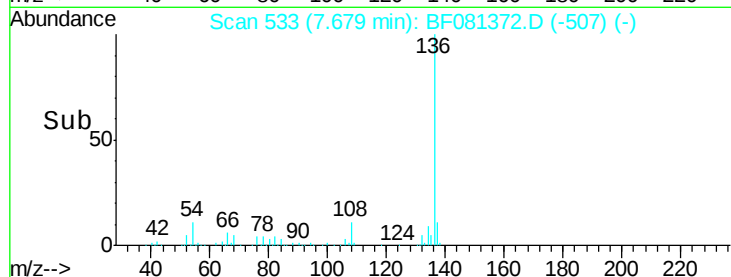


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.43 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

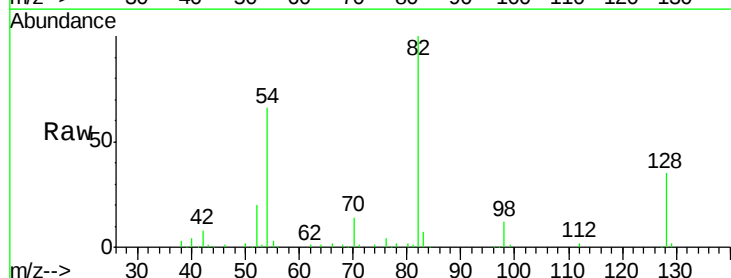
Tgt Ion: 82 Resp: 109624

Ion Ratio Lower Upper

82 100

128 35.2 51.0 76.6#

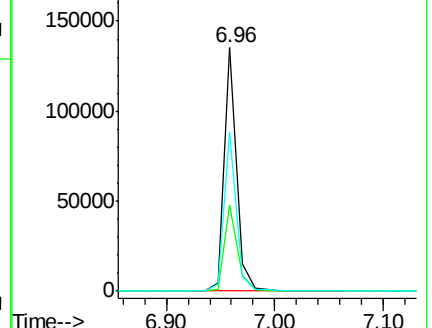
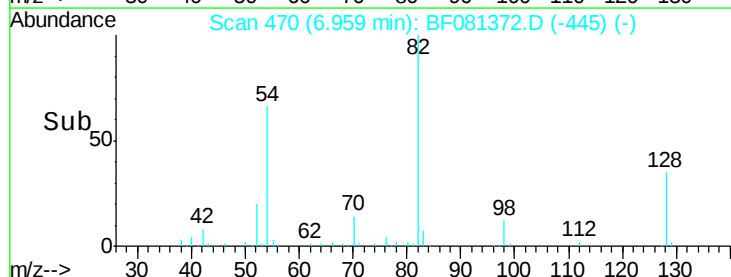
54 65.6 47.5 71.3

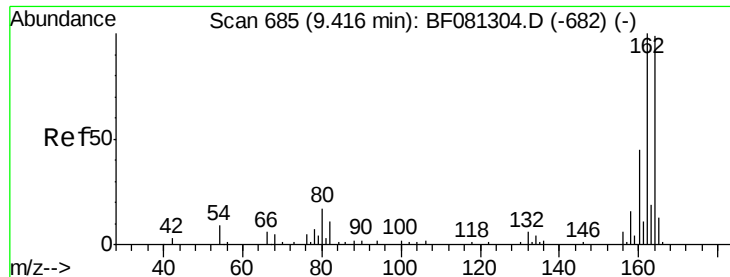


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)

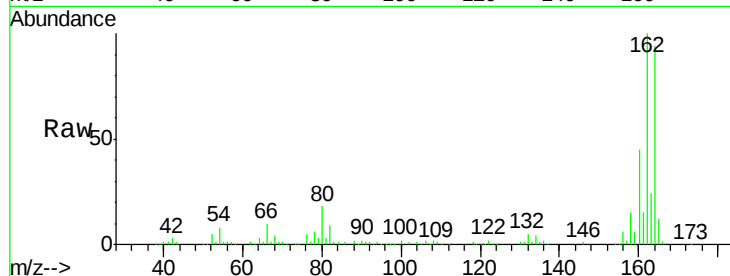
Tot Ion:164 Resp: 107048

Ion Ratio Lower Upper

164 100

162 106.8 75.2 112.8

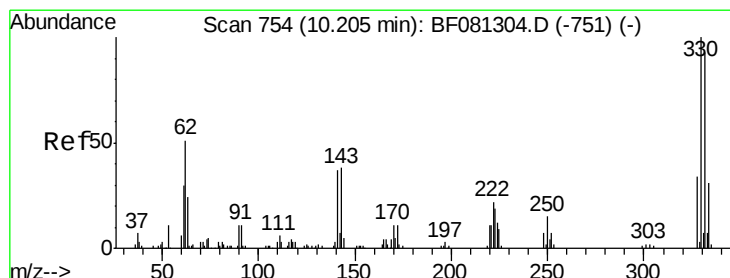
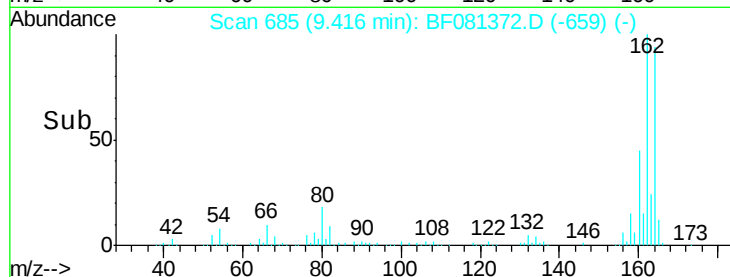
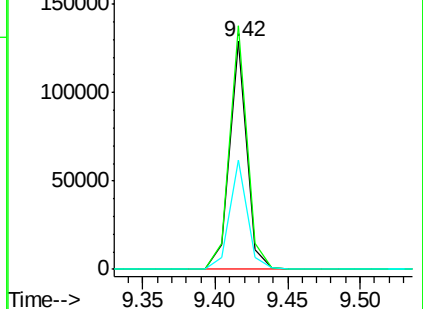
160 47.7 31.5 47.3#



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: 28.22 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

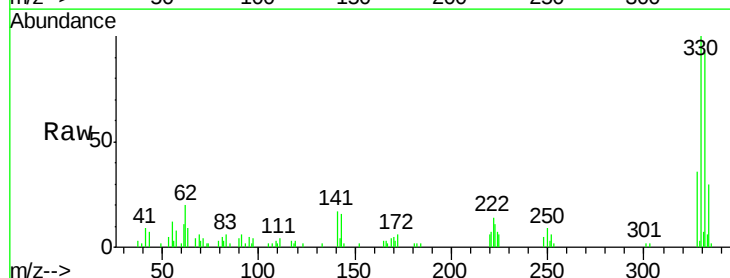
Tgt Ion:330 Resp: 26899

Ion Ratio Lower Upper

330 100

332 93.6 76.6 114.8

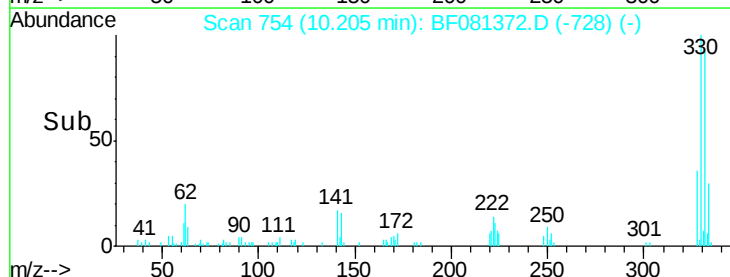
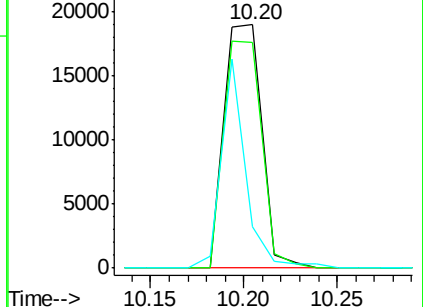
141 55.3 29.7 44.5#

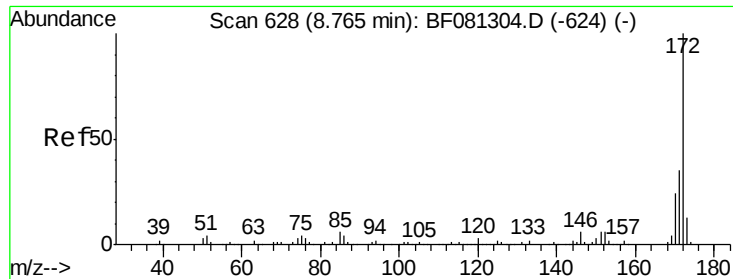


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

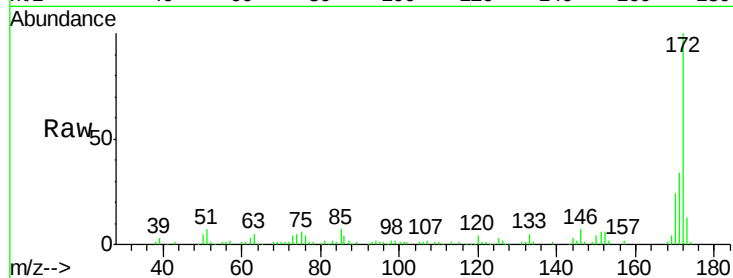




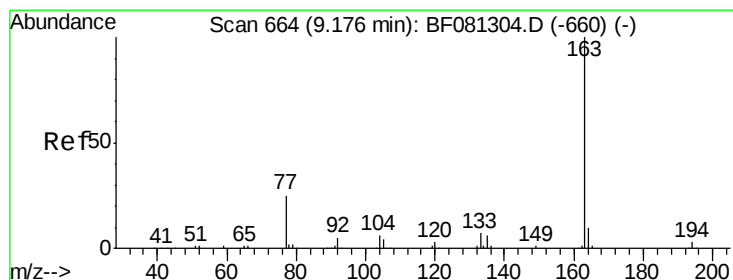
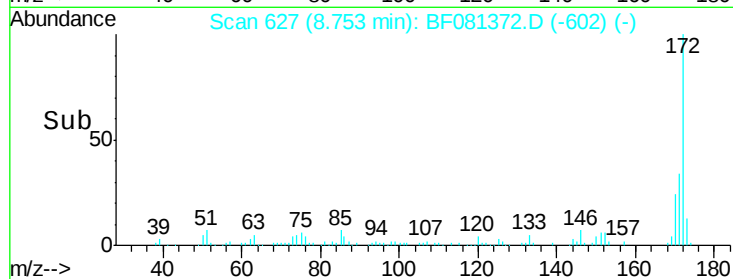
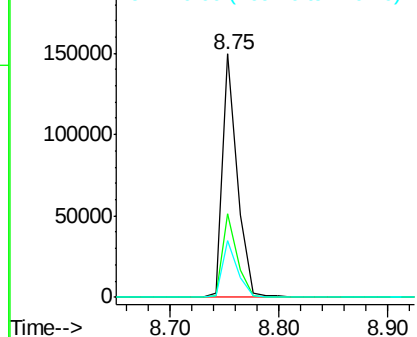
#44
2-Fluorobiphenyl
Concen: 17.16 ng
RT: 8.75 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

Instrument :
BNA_F
ClientSampleId :
6TPB(4.5-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.1	39.1
170	23.5	17.4	26.2

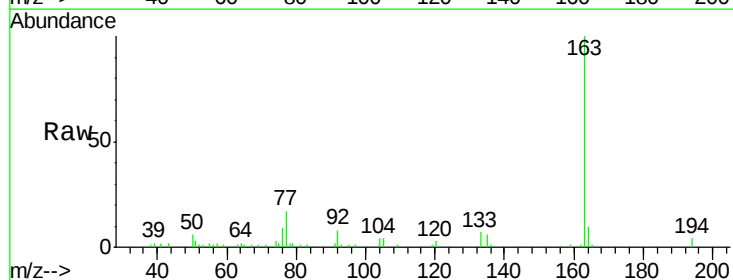


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

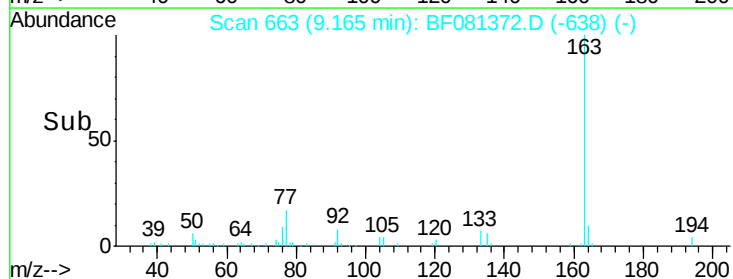
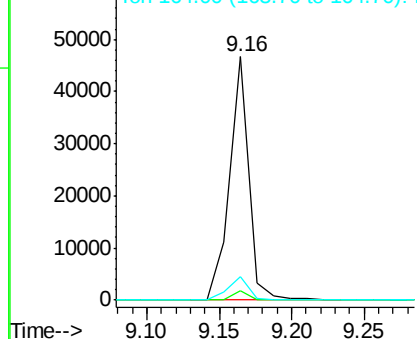


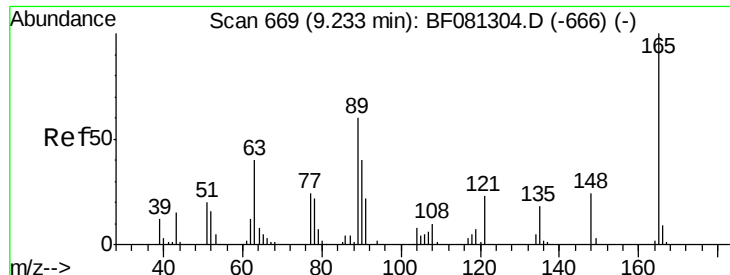
#49
Dimethylphthalate
Concen: 5.15 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.4	6.6#
164	9.6	8.3	12.5



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

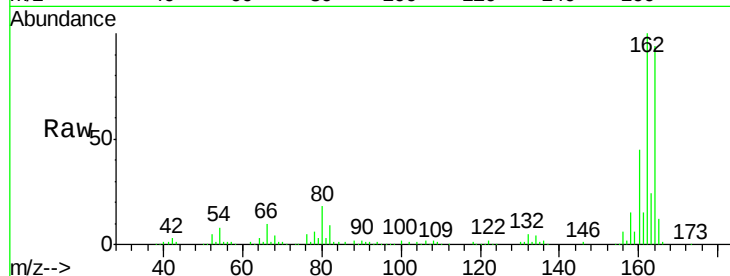




#50
 2,6-Dinitrotoluene
 Concen: 7.48 ng
 RT: 9.42 min Scan# 685
 Delta R.T. 0.18 min
 Lab File: BF081372.D
 Acq: 3 Sep 2015 3:27

Instrument :
 BNA_F
 ClientSampleId :
 6TPB(4.5-5)

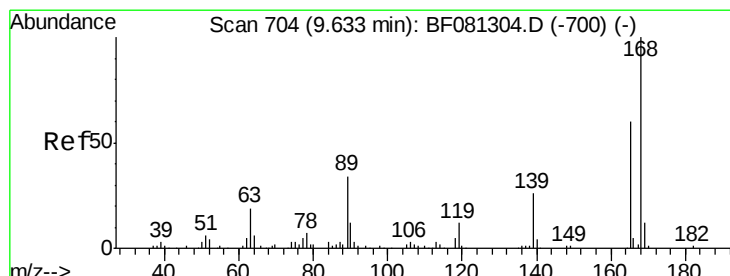
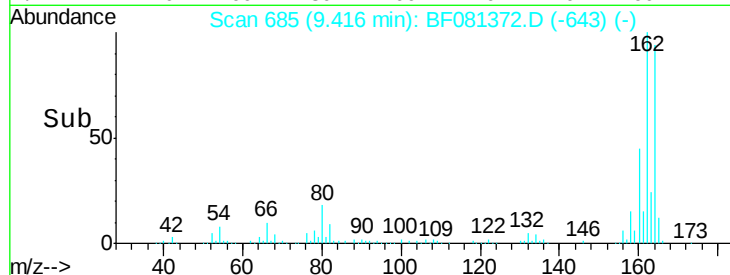
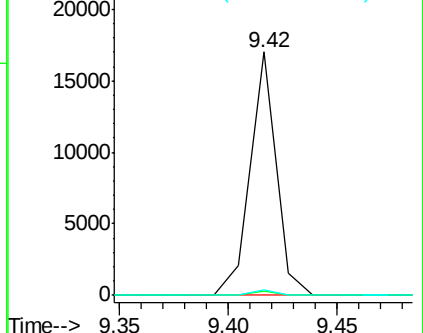
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	32.3	48.5#
89	2.4	28.6	43.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.42 min Scan# 685
 Delta R.T. -0.22 min
 Lab File: BF081372.D
 Acq: 3 Sep 2015 3:27

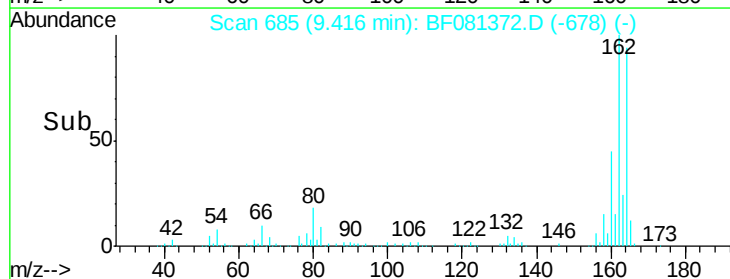
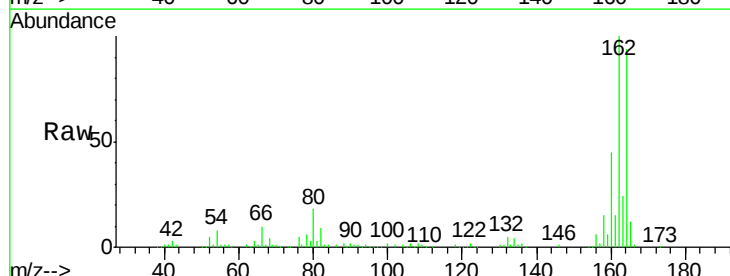
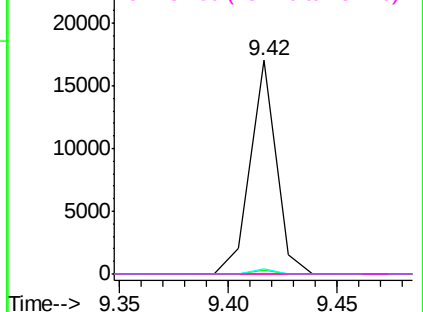
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	29.8	44.6#
89	2.4	44.5	66.7#
182	0.0	3.0	4.4#

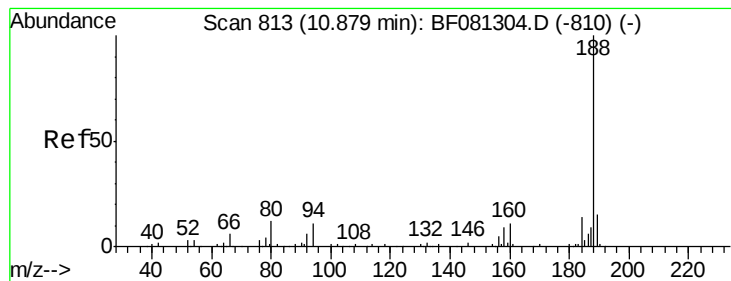
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)

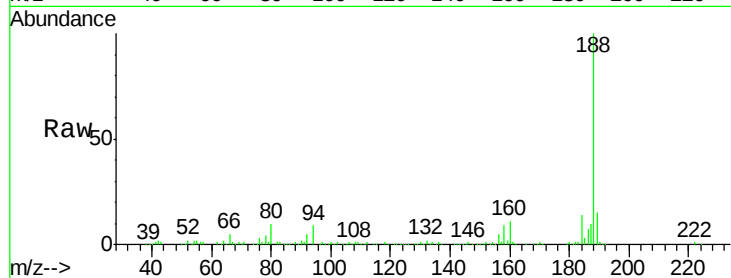
Tot Ion:188 Resp: 201057

Ion Ratio Lower Upper

188 100

94 9.1 11.1 16.7#

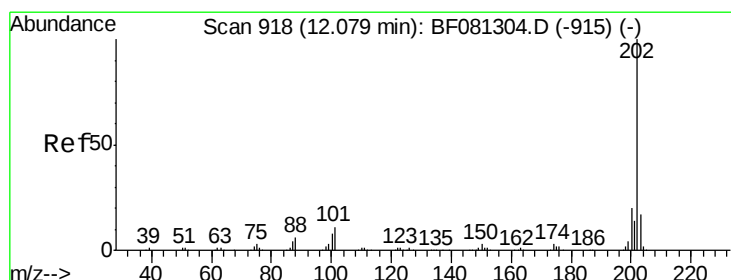
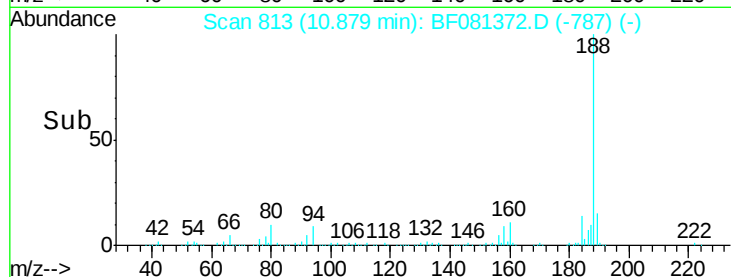
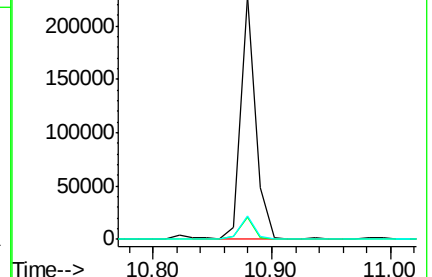
80 9.8 11.0 16.4#



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



#74

Fluoranthene

Concen: 4.23 ng

RT: 12.08 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

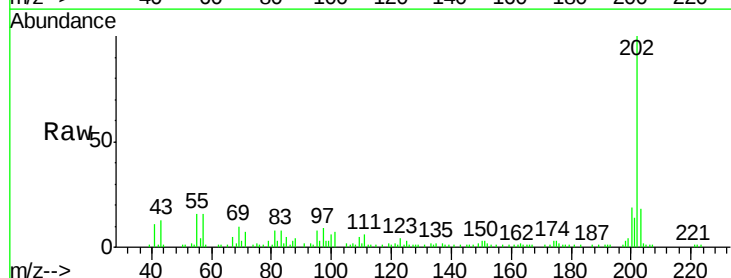
Tgt Ion:202 Resp: 51184

Ion Ratio Lower Upper

202 100

101 7.4 0.0 38.3

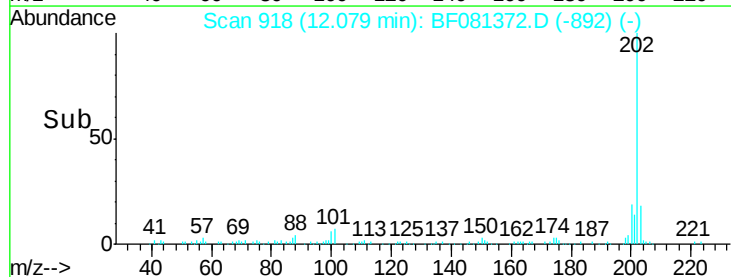
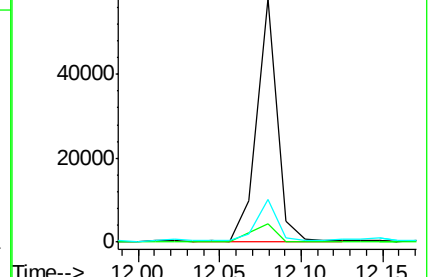
203 17.7 0.0 37.3

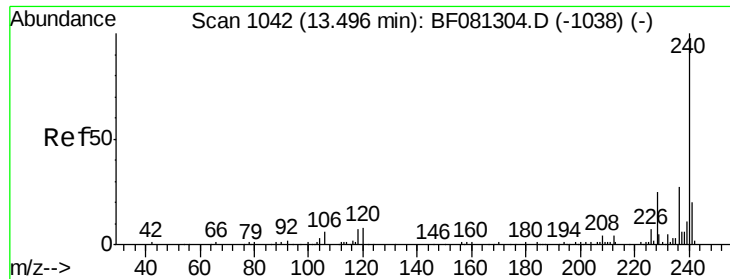


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.50 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)

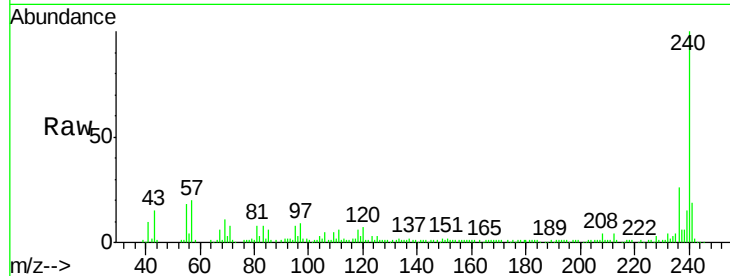
Tot Ion:240 Resp: 120571

Ion Ratio Lower Upper

240 100

120 6.8 16.2 24.2#

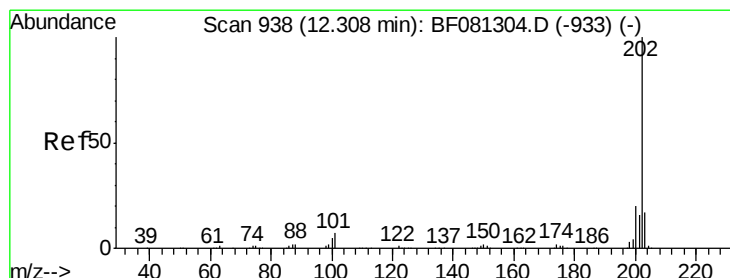
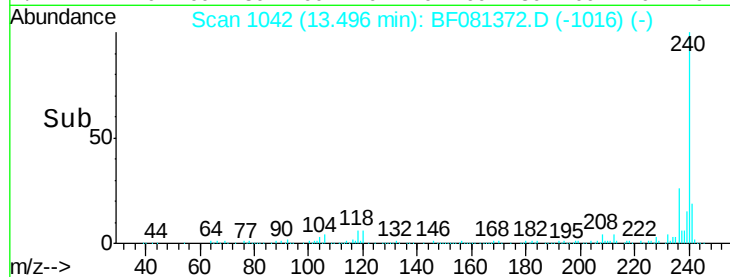
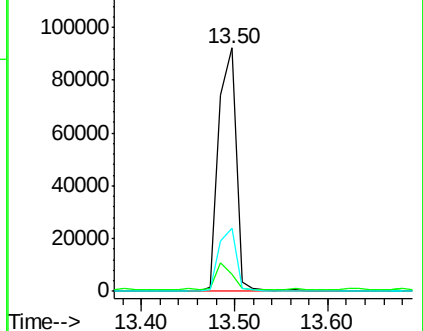
236 26.0 18.4 27.6



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: 6.11 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

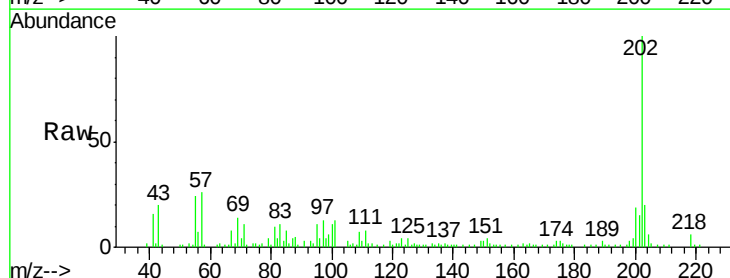
Tgt Ion:202 Resp: 54543

Ion Ratio Lower Upper

202 100

200 19.5 15.0 22.4

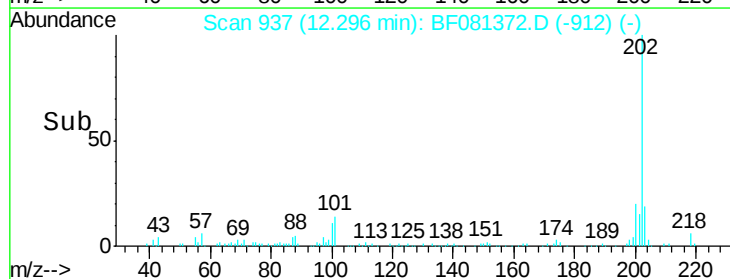
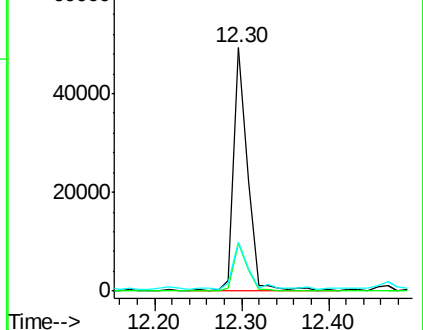
203 20.0 14.1 21.1

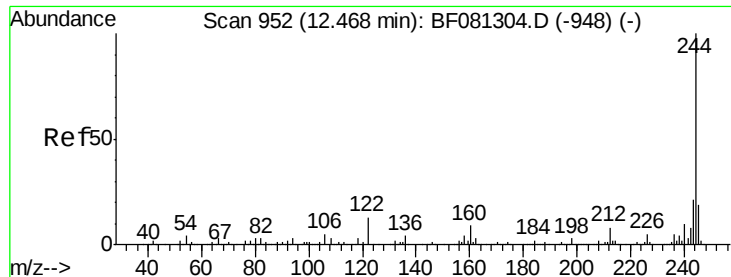


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.25 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)

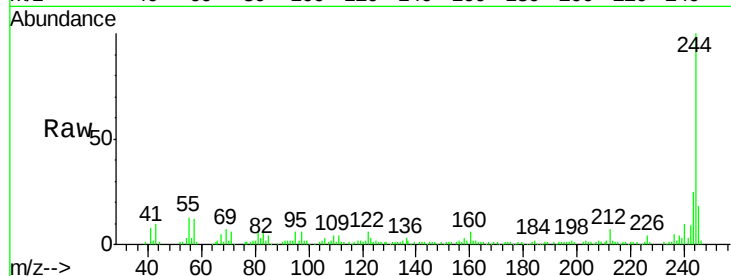
Tot Ion:244 Resp: 104876

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

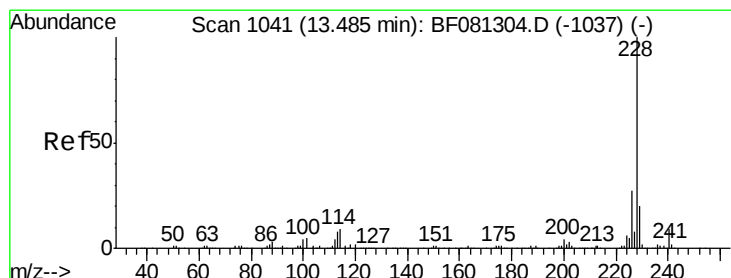
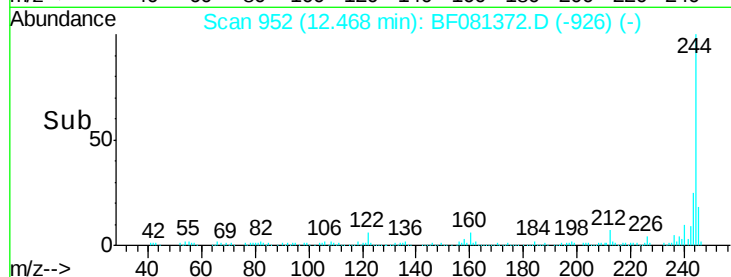
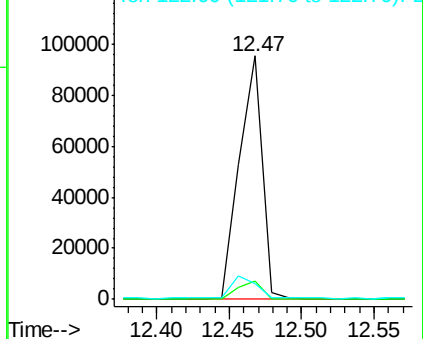
122 6.4 17.4 26.2#



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: 3.27 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF081372.D

Acq: 3 Sep 2015 3:27

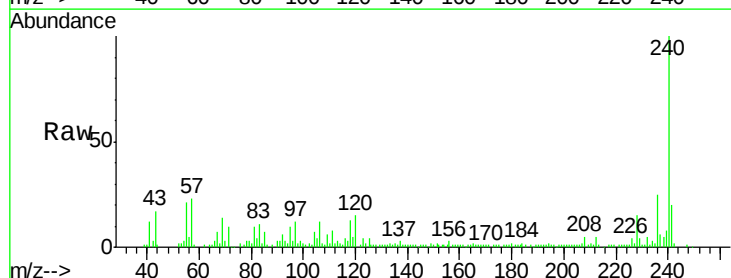
Tgt Ion:228 Resp: 25143

Ion Ratio Lower Upper

228 100

226 29.5 20.0 30.0

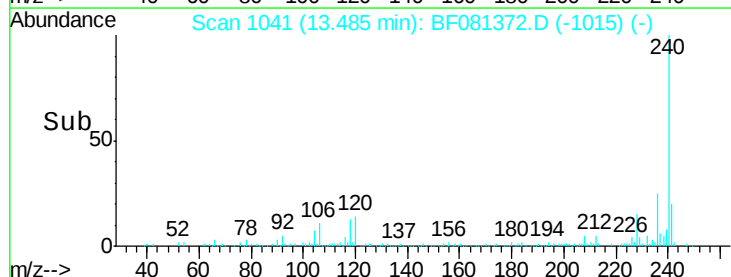
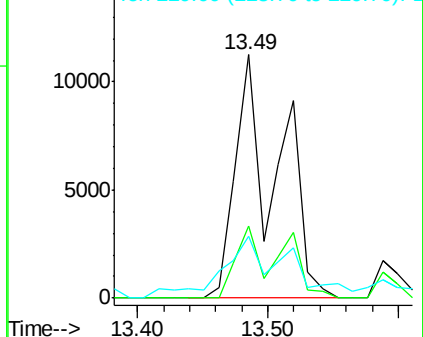
229 25.2 15.4 23.2#

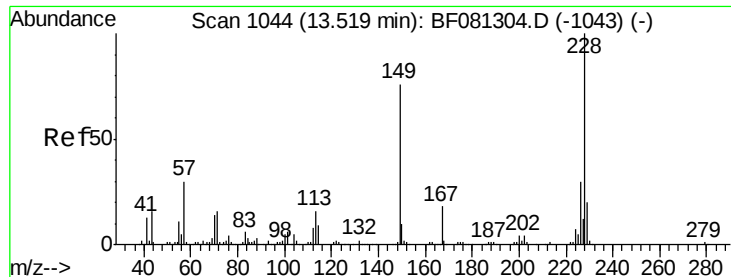


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

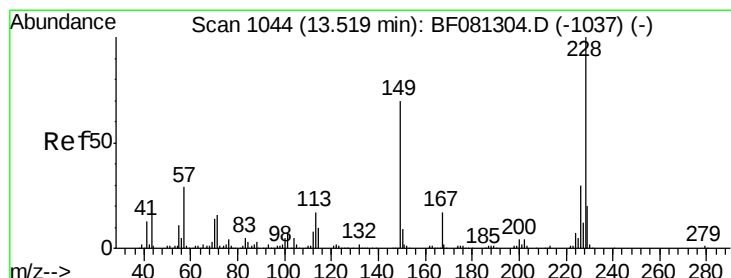
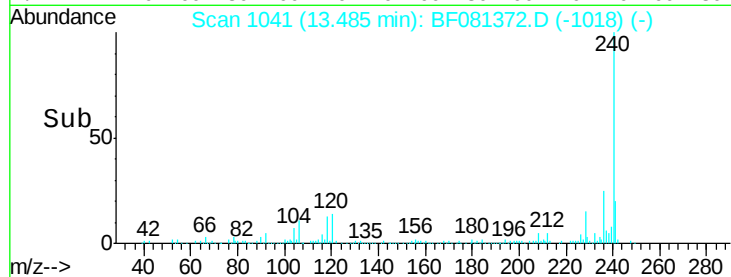
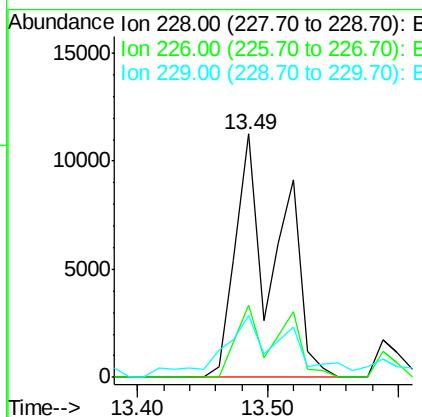
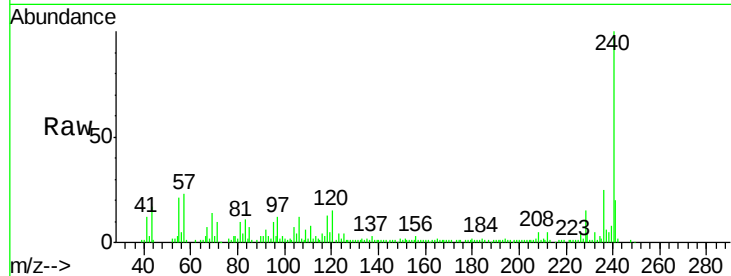




#82
 Chrvsene
 Concen: 3.65 ng
 RT: 13.49 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF081372.D
 Acq: 3 Sep 2015 3:27

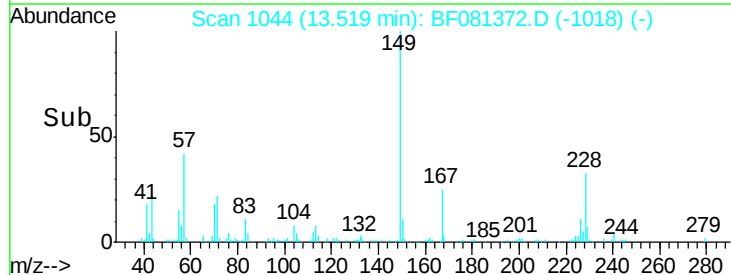
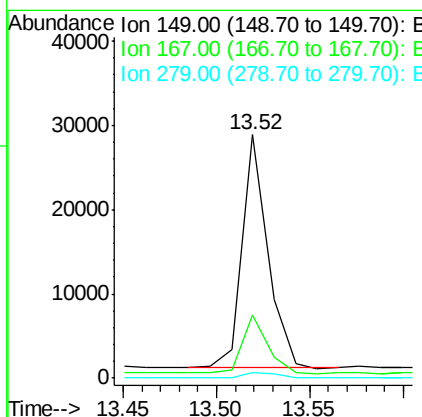
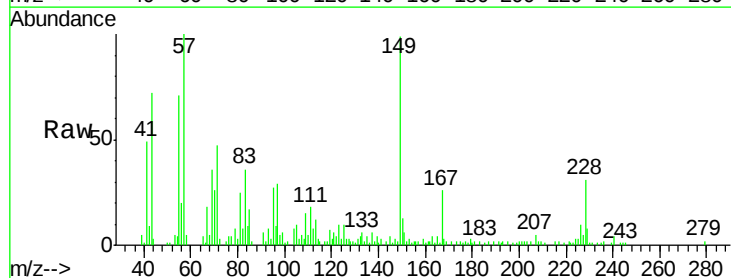
Instrument :
 BNA_F
 ClientSampleId :
 6TPB(4.5-5)

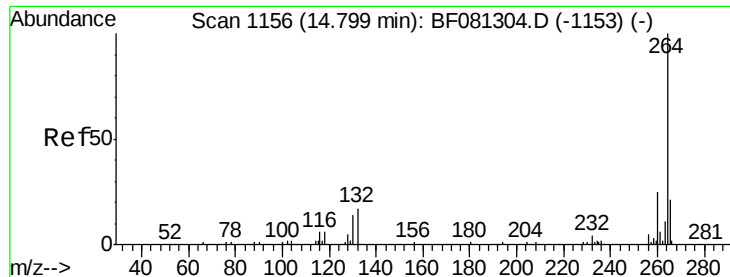
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.0	31.4
229	25.2	15.6	23.4#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.18 ng
 RT: 13.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF081372.D
 Acq: 3 Sep 2015 3:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	24.2	36.2
279	2.1	3.8	5.6#

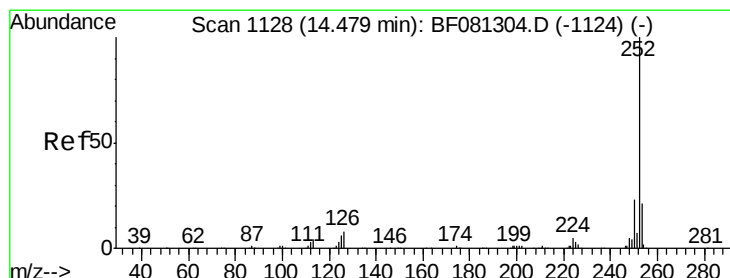
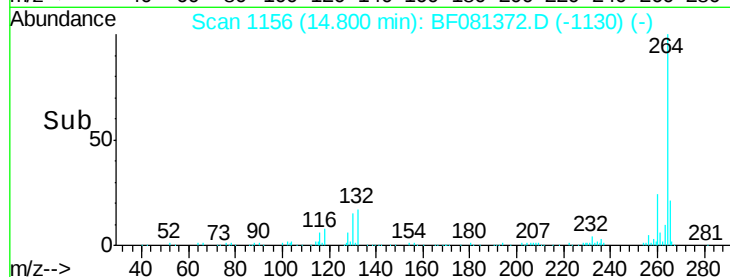
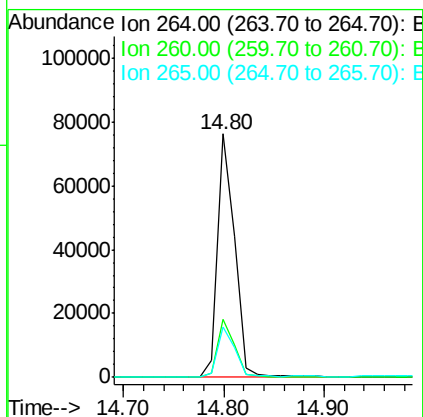
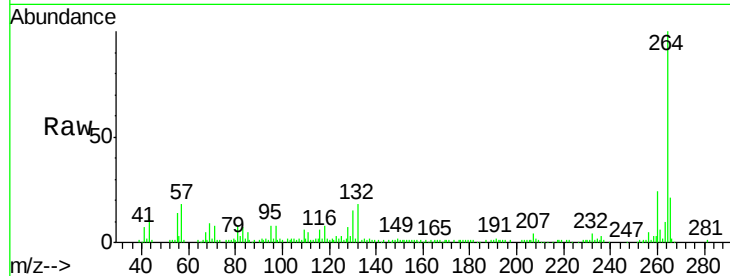




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

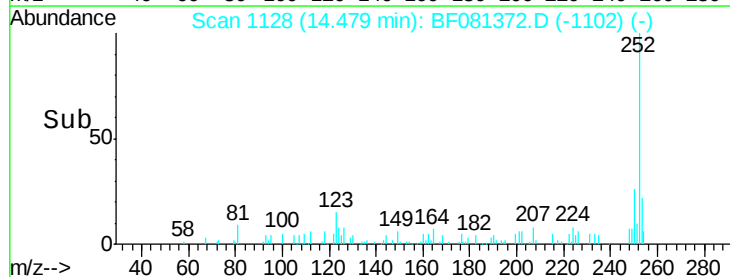
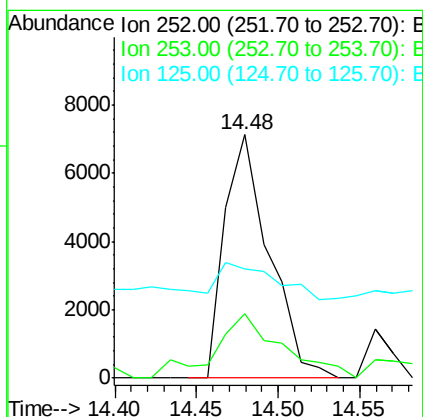
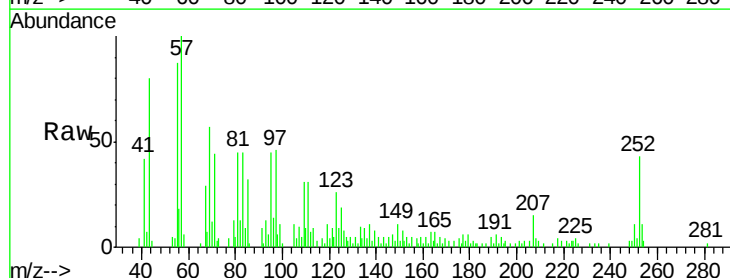
Instrument :
BNA_F
ClientSampleId :
6TPB(4.5-5)

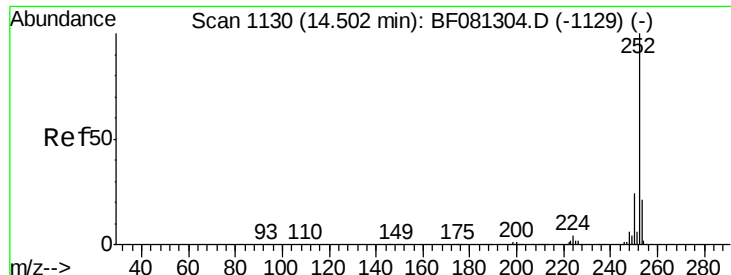
Tot Ion:264 Resp: 90719
Ion Ratio Lower Upper
264 100
260 23.8 16.7 25.1
265 20.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.08 ng
RT: 14.48 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF081372.D
Acq: 3 Sep 2015 3:27

Tgt Ion:252 Resp: 13476
Ion Ratio Lower Upper
252 100
253 26.7 17.5 26.3#
125 45.0 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 2.51 ng

RT: 14.48 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BF081372.D

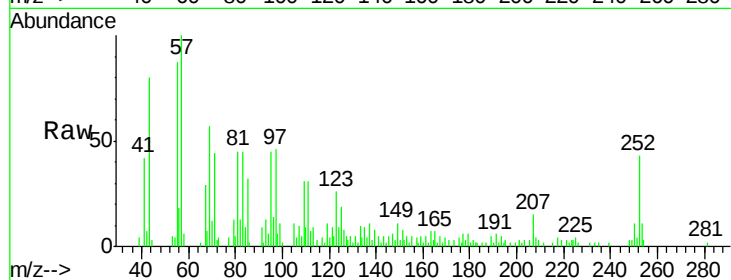
Acq: 3 Sep 2015 3:27

Instrument :

BNA_F

ClientSampleId :

6TPB(4.5-5)



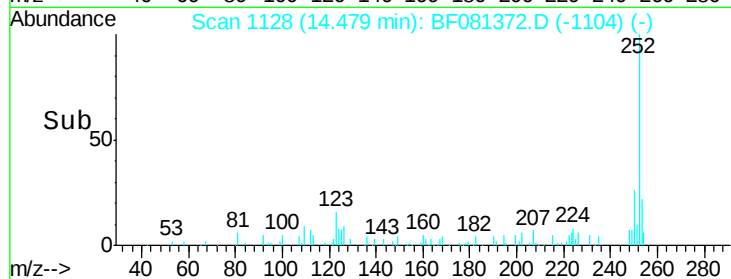
Tot Ion:252 Resp: 13476

Ion Ratio Lower Upper

252 100

253 26.7 17.0 25.4#

125 45.0 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

