

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081537.D
 Acq On : 8 Sep 2015 22:57
 Operator : UM/IZ
 Sample : G3490-01 5XRE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 23:54:40 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	53144	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	204680	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	84965	20.00	ng	-0.01
63) Phenanthrene-d10	10.95	188	5005	20.00	ng	0.10
75) Chrysene-d12	13.45	240	105901	20.00	ng	0.00
86) Perylene-d12	14.77	264	98645	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.88	112	84325	24.62	ng	0.00
7) Phenol-d6	6.01	99	117225	25.85	ng	-0.01
23) Nitrobenzene-d5	6.92	82	71298	16.81	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	17331	22.91	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	113462	17.11	ng	0.00
78) Terphenyl-d14	12.42	244	64870	14.26	ng	0.00

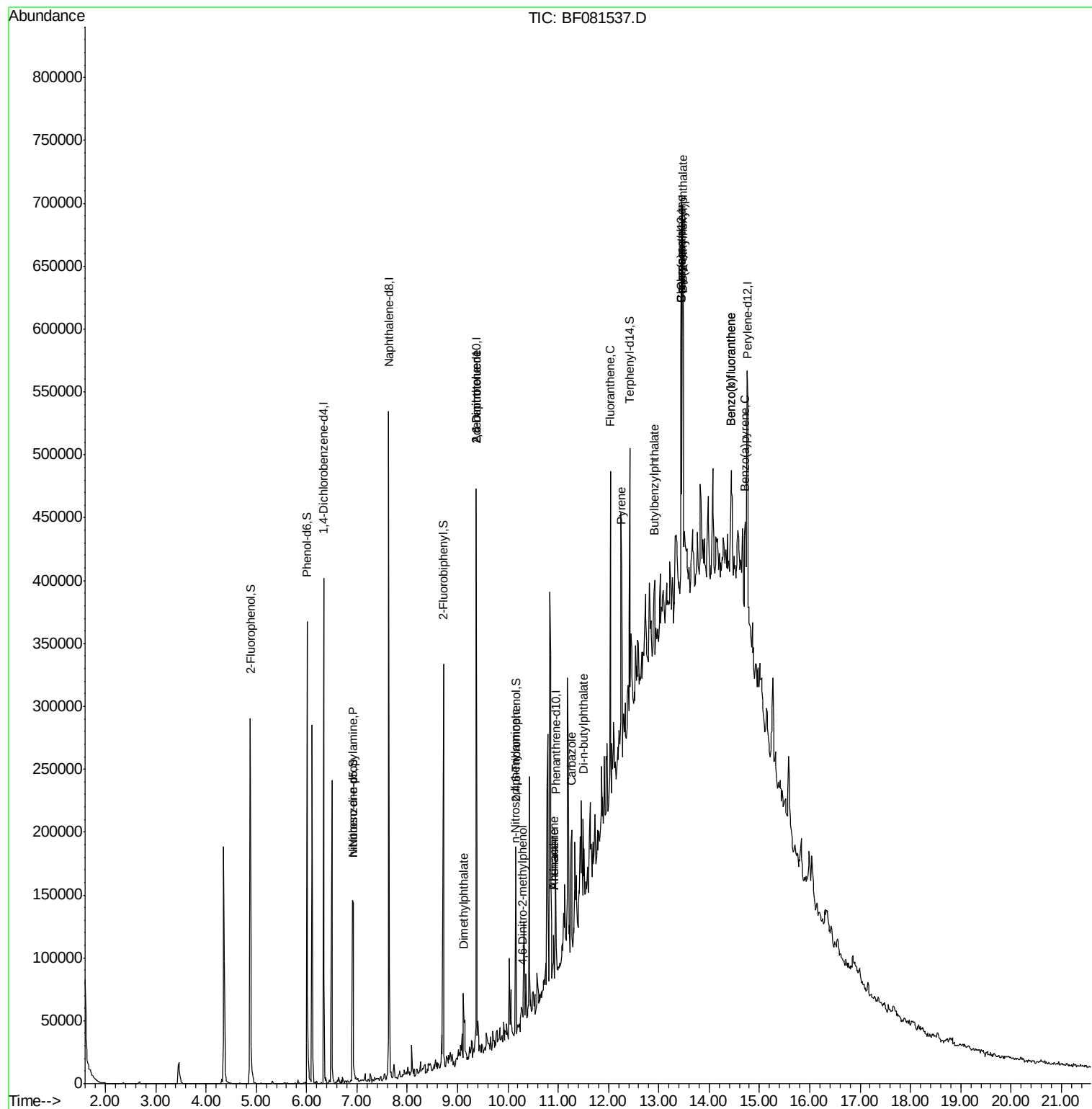
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.92	70	9867	3.20	ng	# 54
49) Dimethylphthalate	9.12	163	16866	2.55	ng	# 97
50) 2,6-Dinitrotoluene	9.37	165	11750	7.84	ng	# 41
56) 2,4-Dinitrotoluene	9.37	165	11750	6.16	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.28	198	374	13.36	ng	# 31
65) n-Nitrosodiphenylamine	10.15	169	3297	18.10	ng	# 28
70) Phenanthrene	10.91	178	15391	55.31	ng	96
71) Anthracene	10.91	178	15361	53.73	ng	96
72) Carbazole	11.27	167	1384	5.16	ng	# 1
73) Di-n-butylphthalate	11.50	149	1723	5.44	ng	# 1
74) Fluoranthene	12.03	202	98937	328.46	ng	89
77) Pvrene	12.26	202	91512	11.67	ng	98
79) Butylbenzylphthalate	12.91	149	14709	4.31	ng	# 83
80) Benzo(a)anthracene	13.44	228	40370	5.99	ng	# 92
82) Chrysene	13.44	228	40370	6.68	ng	93
83) Bis(2-ethylhexyl)phthalate	13.49	149	89703	19.92	ng	# 94
87) Benzo(b)fluoranthene	14.43	252	37008	5.25	ng	# 91
88) Benzo(k)fluoranthene	14.43	252	37008	6.33	ng	# 89
89) Benzo(a)pvrene	14.71	252	18152	3.04	ng	# 85

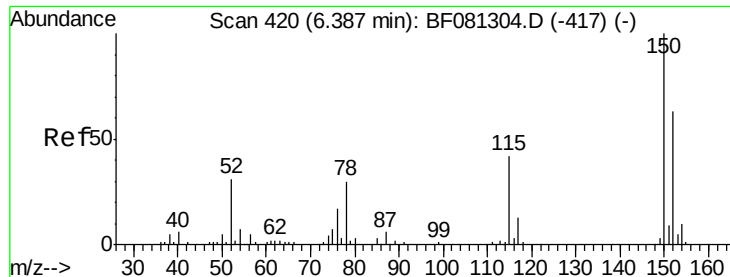
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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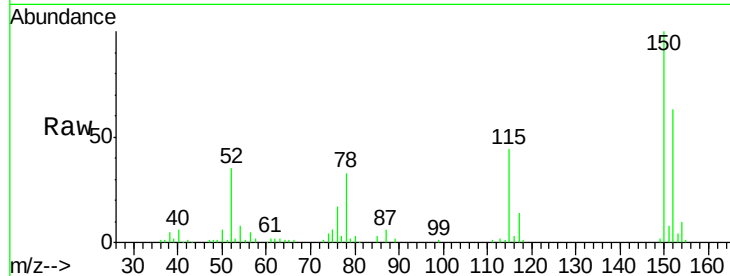


#1

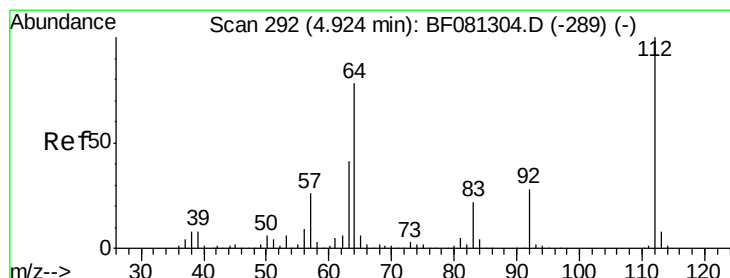
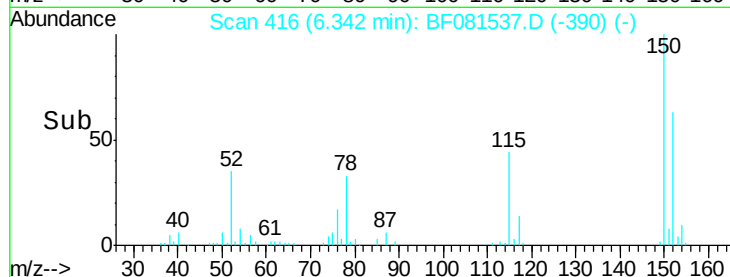
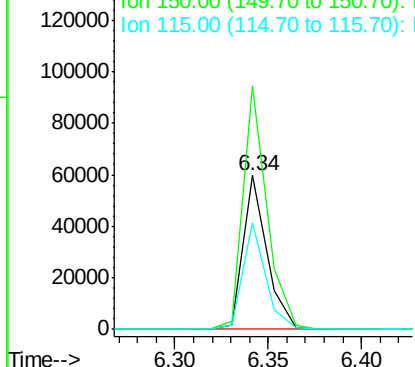
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 53144
Ion Ratio Lower Upper
152 100
150 158.2 124.7 187.1
115 69.3 39.0 58.4#



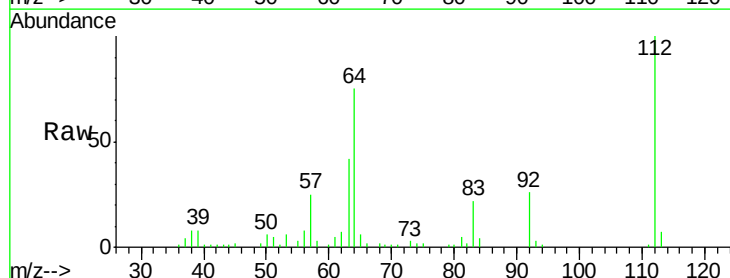
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



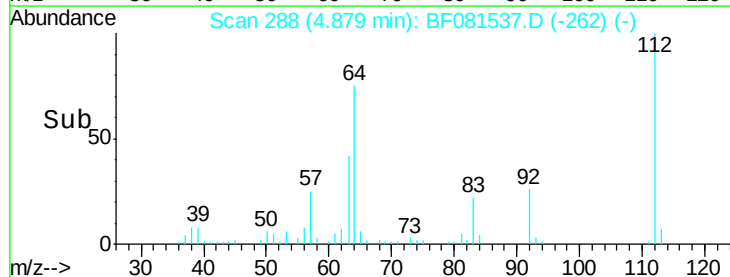
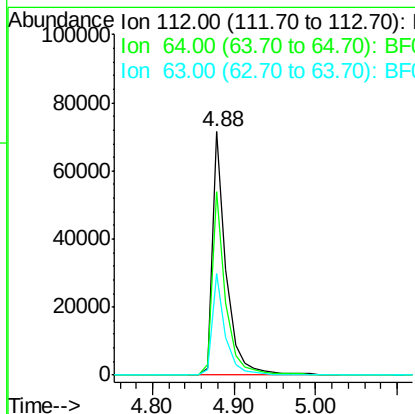
#5

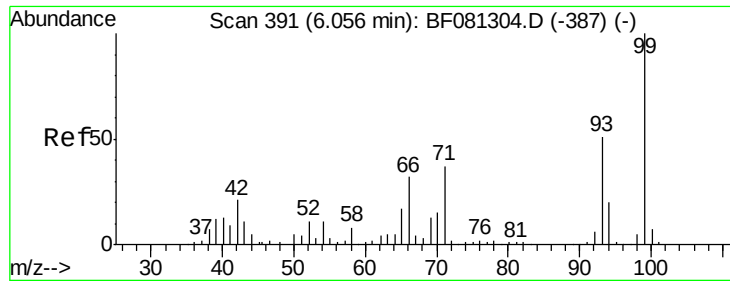
2-Fluorophenol
Concen: 24.62 ng
RT: 4.88 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

Tgt Ion:112 Resp: 84325
Ion Ratio Lower Upper
112 100
64 75.3 39.7 59.5#
63 41.5 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: 25.85 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

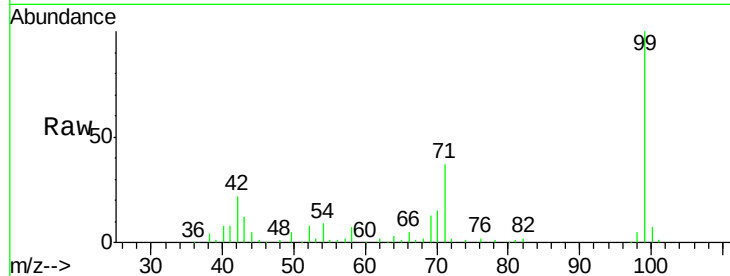
Tot Ion: 99 Resp: 117225

Ion Ratio Lower Upper

99 100

42 22.1 13.7 20.5#

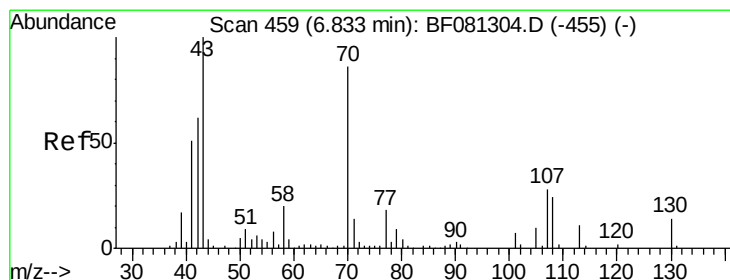
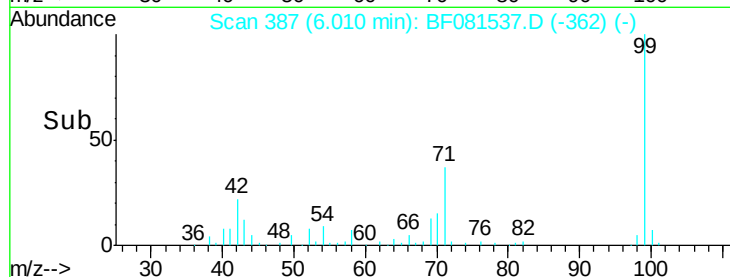
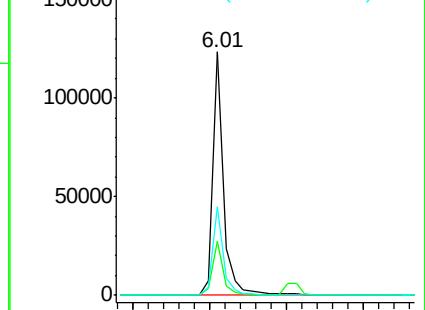
71 36.7 14.2 21.2#



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: 3.20 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Tgt Ion: 70 Resp: 9867

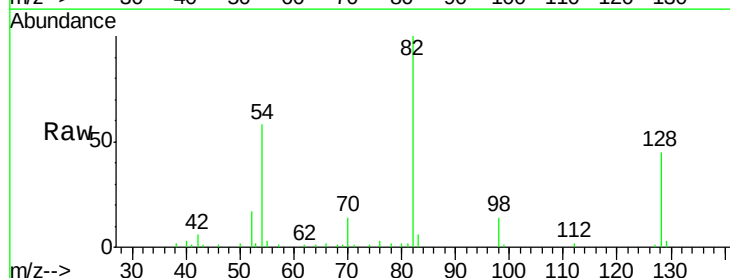
Ion Ratio Lower Upper

70 100

42 42.8 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#

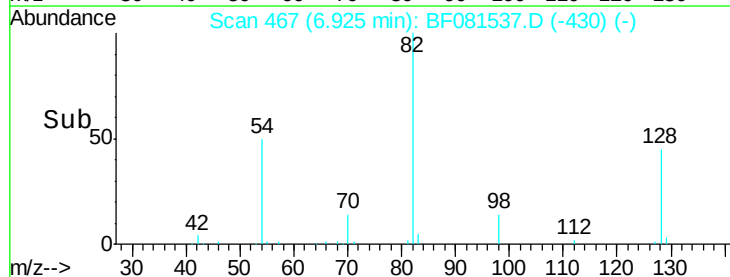
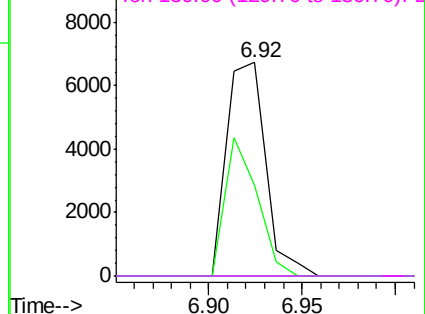


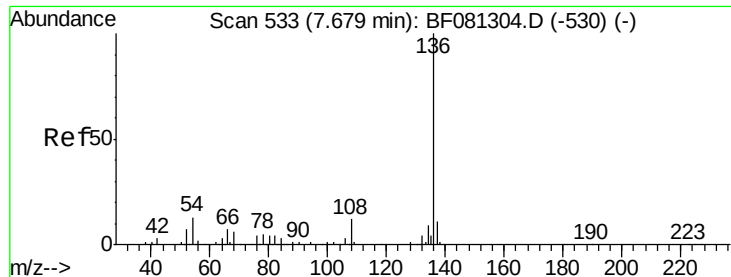
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081537.D

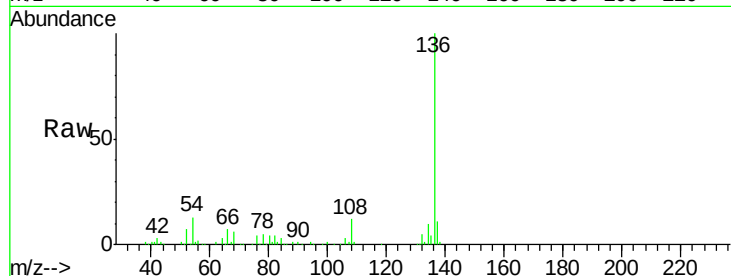
Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	204680
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.6
54	12.9	8.2 12.2#
68	5.6	5.8 8.6#

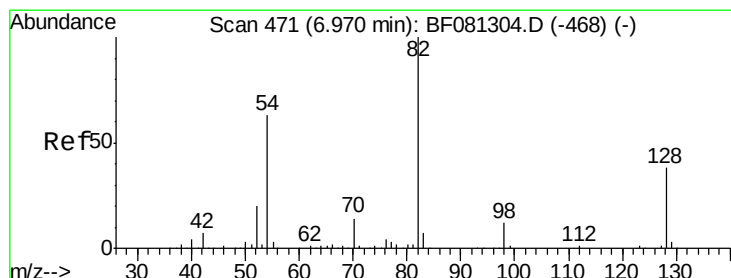
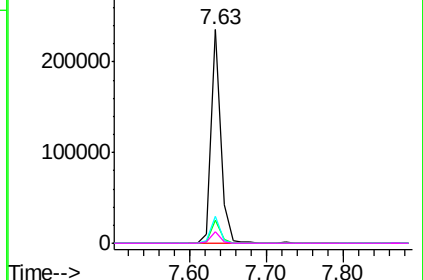
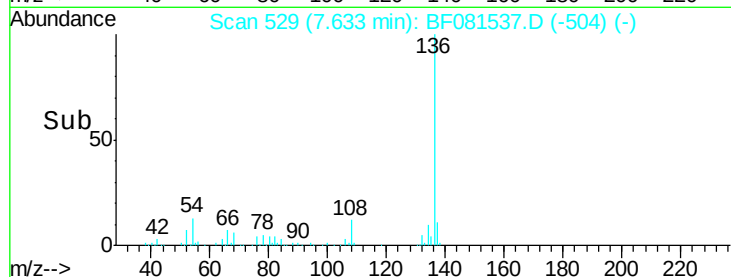


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.81 ng

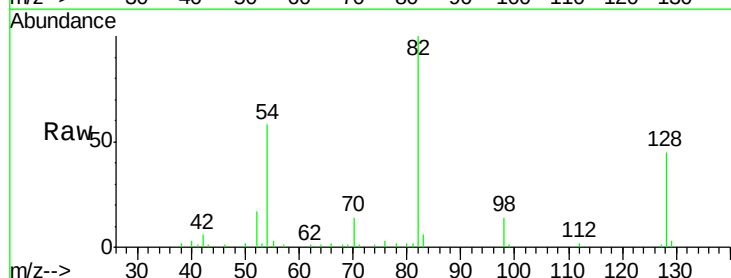
RT: 6.92 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

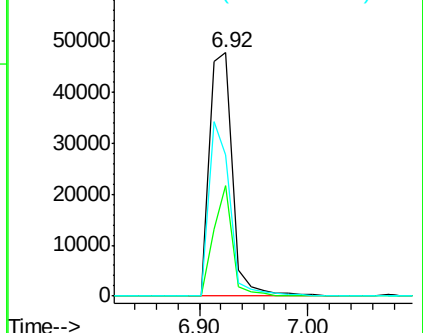
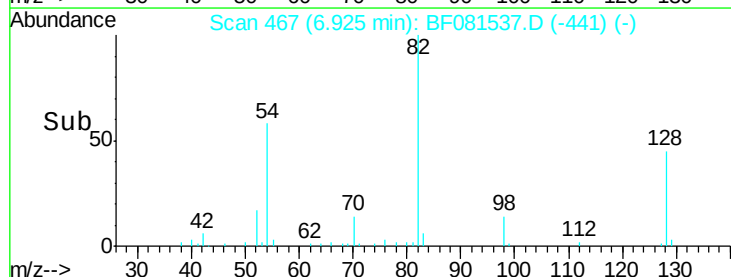
Tgt Ion: 82	Resp:	71298
Ion	Ratio	Lower Upper
82	100	
128	45.3	51.0 76.6#
54	58.2	47.5 71.3

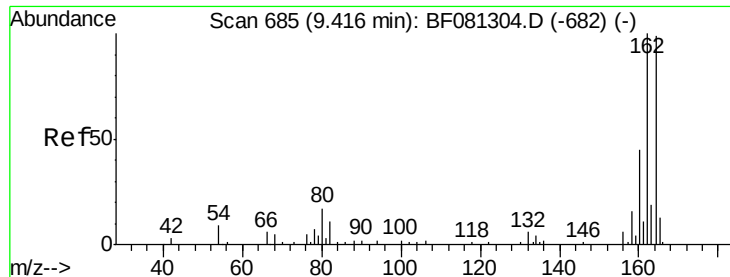


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

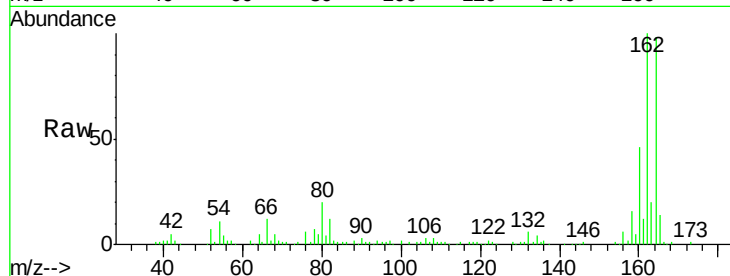
Tot Ion:164 Resp: 84965

Ion Ratio Lower Upper

164 100

162 101.8 75.2 112.8

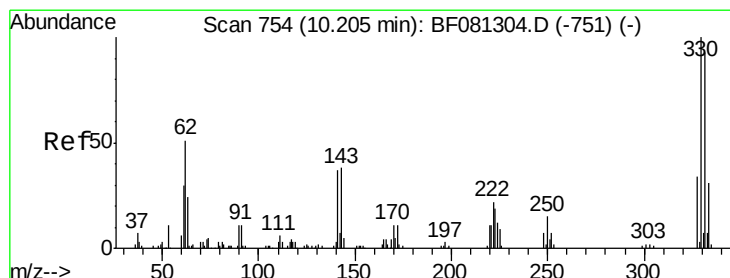
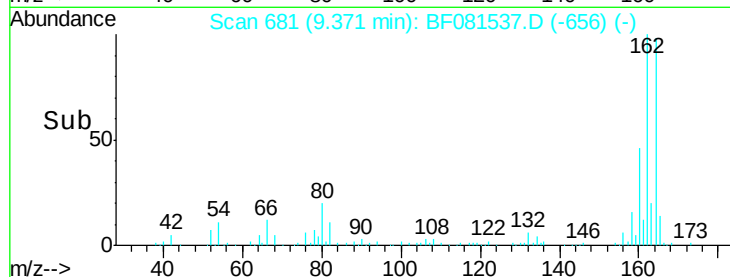
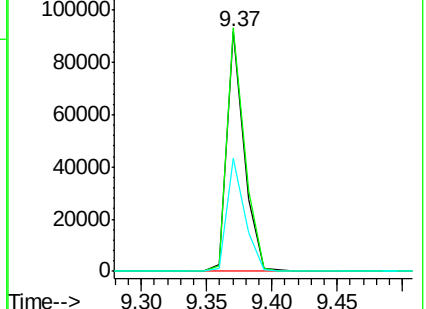
160 47.2 31.5 47.3



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: 22.91 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

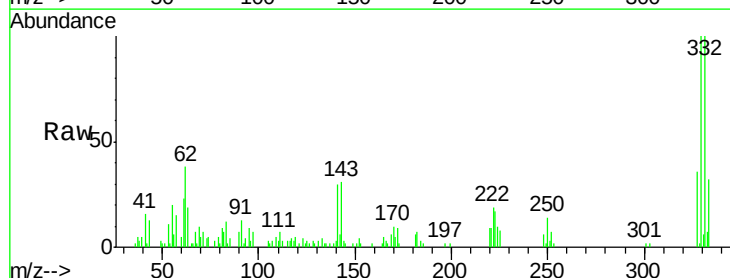
Tgt Ion:330 Resp: 17331

Ion Ratio Lower Upper

330 100

332 98.8 76.6 114.8

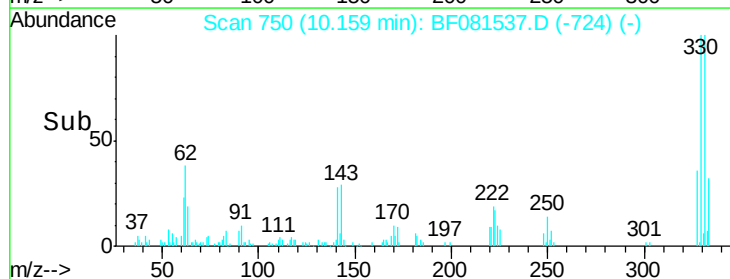
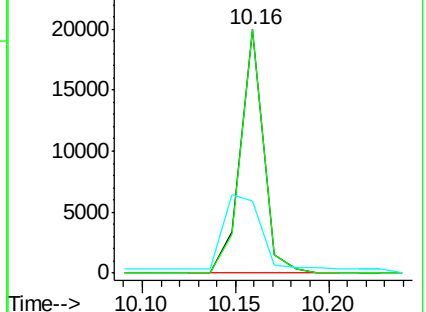
141 62.3 29.7 44.5#

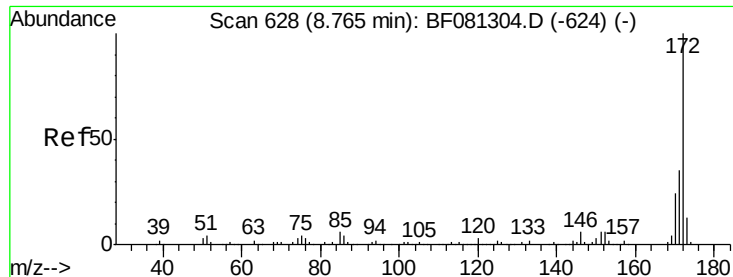


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

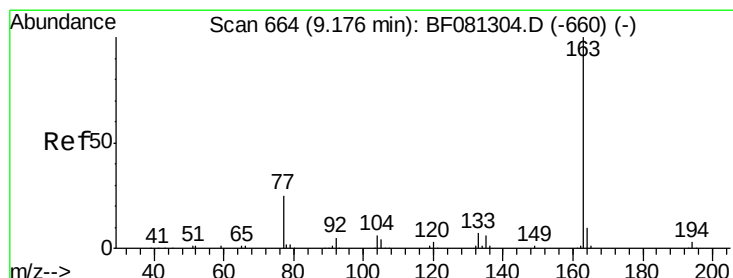
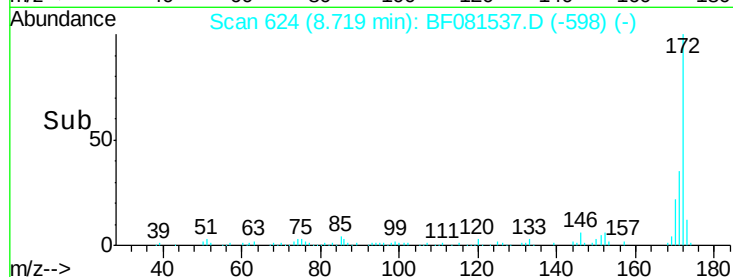
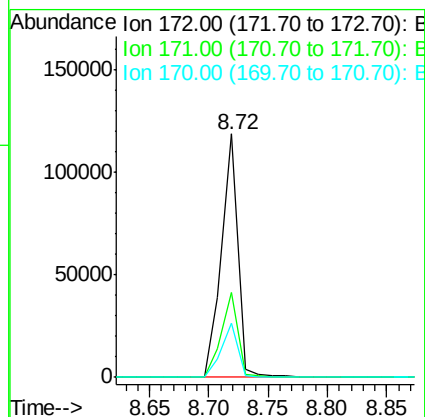
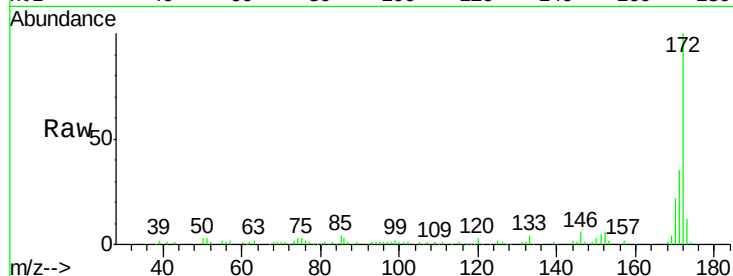




#44
 2-Fluorobiphenyl
 Concen: 17.11 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

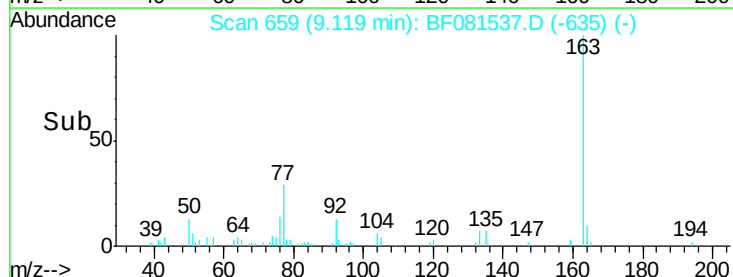
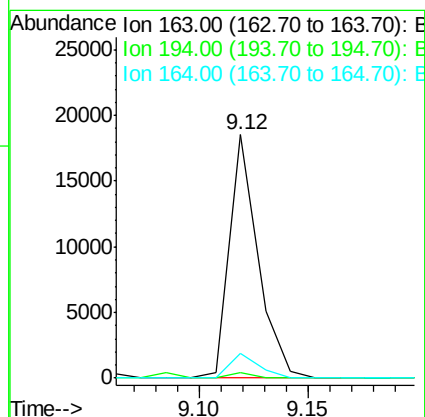
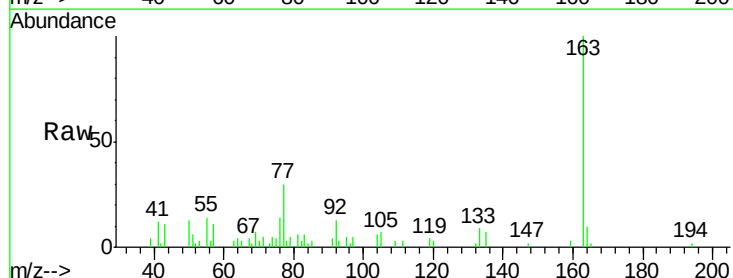
Instrument :
 BNA_F
 ClientSampleId :

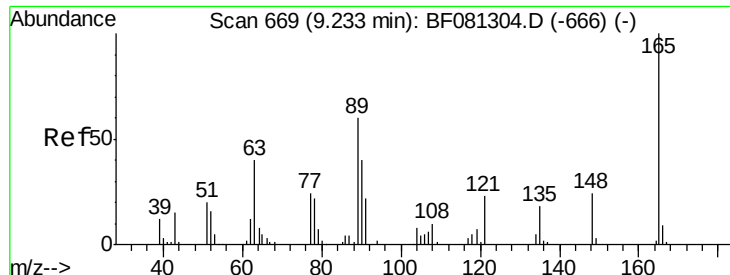
Tot Ion:172 Resp: 113462
 Ion Ratio Lower Upper
 172 100
 171 34.9 26.1 39.1
 170 22.3 17.4 26.2



#49
 Dimethylphthalate
 Concen: 2.55 ng
 RT: 9.12 min Scan# 659
 Delta R.T. -0.02 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

Tgt Ion:163 Resp: 16866
 Ion Ratio Lower Upper
 163 100
 194 2.4 4.4 6.6#
 164 10.3 8.3 12.5

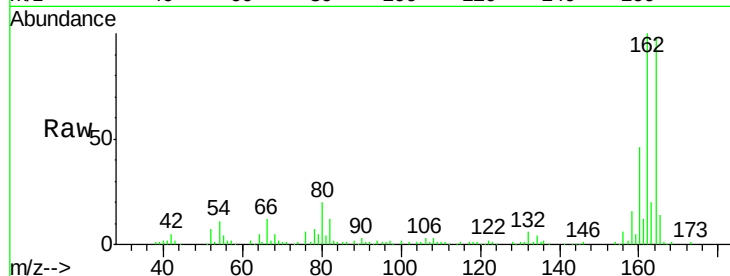




#50
 2,6-Dinitrotoluene
 Concen: 7.84 ng
 RT: 9.37 min Scan# 681
 Delta R.T. 0.17 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

Instrument :
 BNA_F
 ClientSampleId :

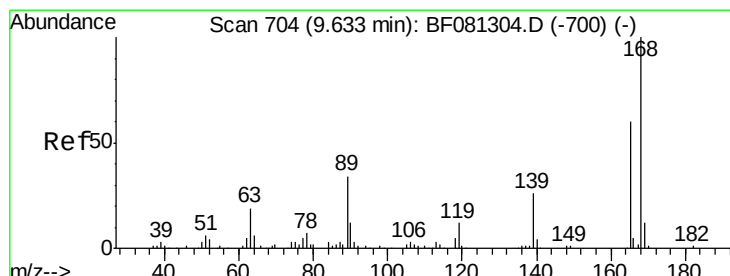
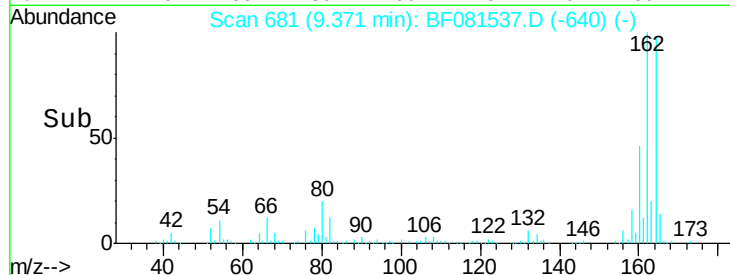
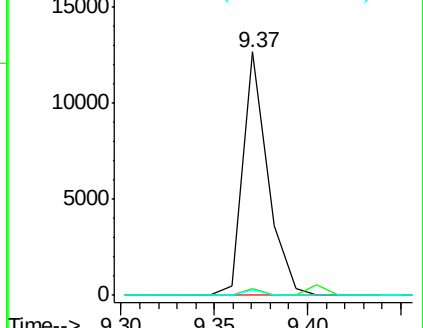
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	32.3	48.5#
89	2.5	28.6	43.0#



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: 6.16 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

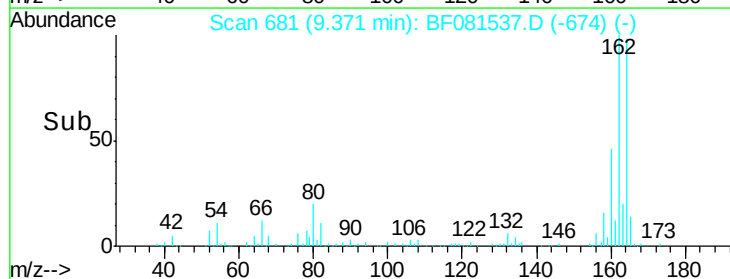
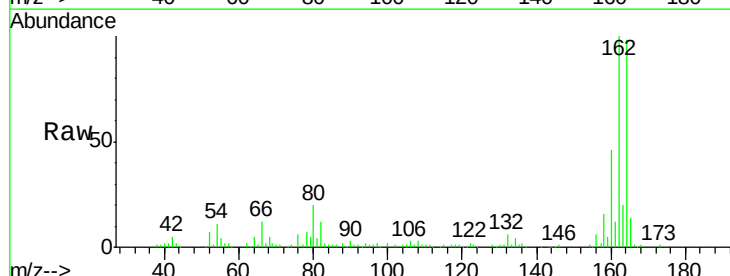
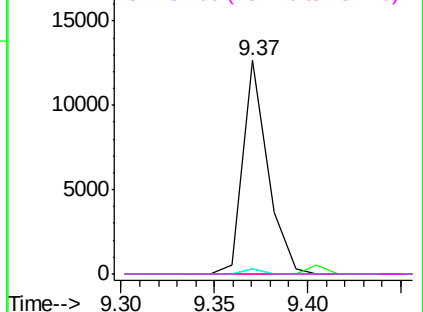
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	29.8	44.6#
89	2.5	44.5	66.7#
182	0.0	3.0	4.4#

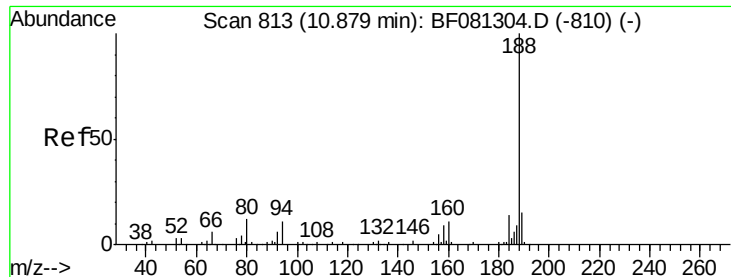
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.95 min Scan# 819

Delta R.T. 0.10 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

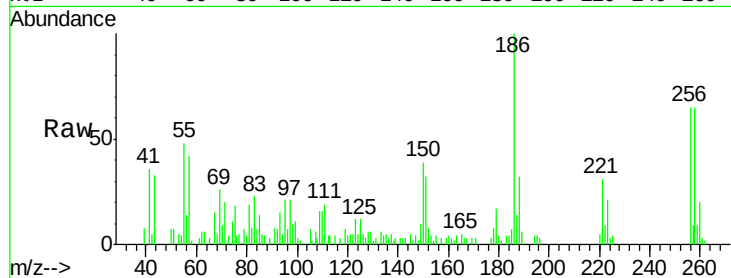
Tot Ion:188 Resp: 5005

Ion Ratio Lower Upper

188 100

94 15.2 11.1 16.7

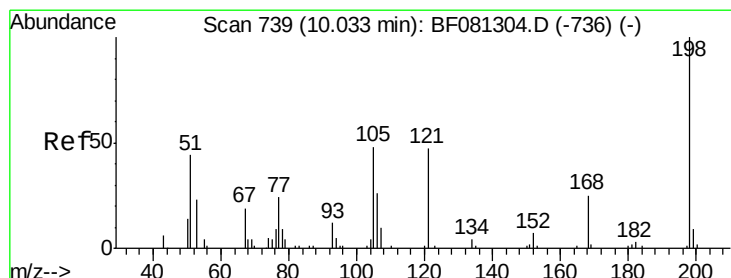
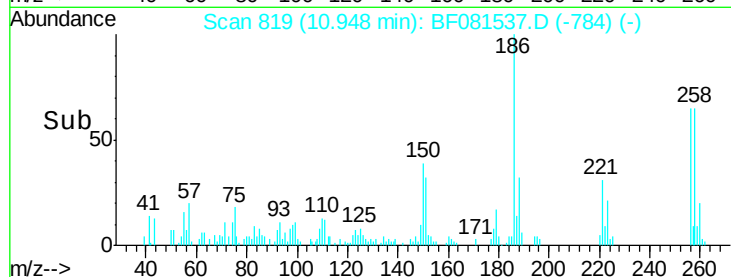
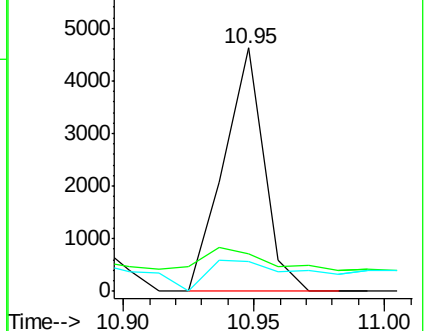
80 12.0 11.0 16.4



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



#64

4,6-Dinitro-2-methylphenol

Concen: 13.36 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.29 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

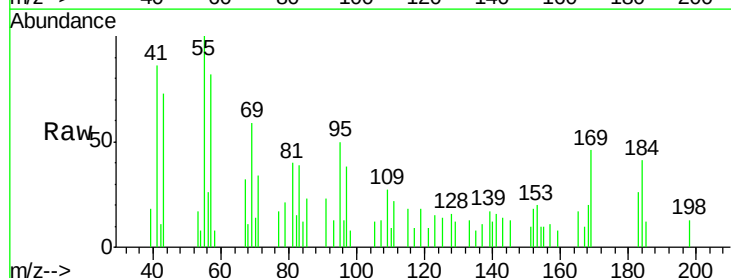
Tgt Ion:198 Resp: 374

Ion Ratio Lower Upper

198 100

51 0.0 39.6 79.6#

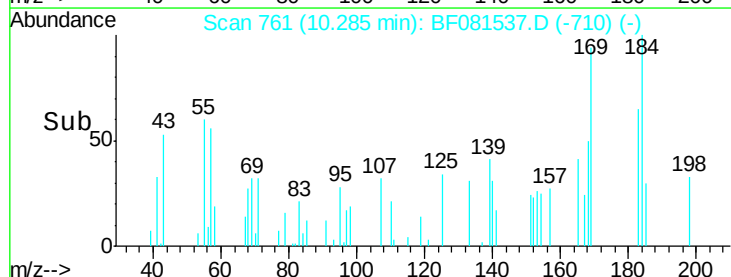
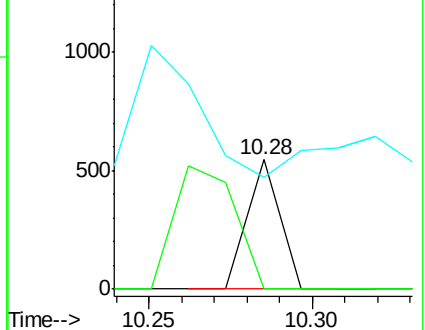
105 86.4 28.5 68.5#

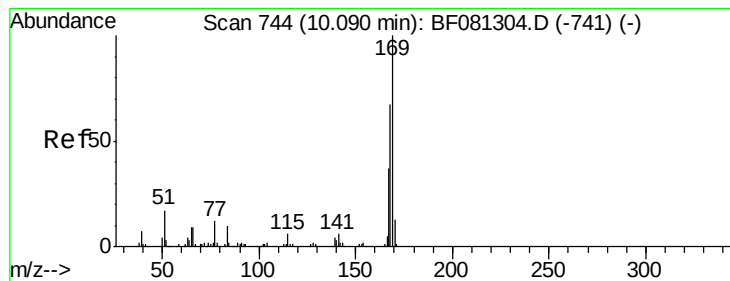


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 18.10 ng

RT: 10.15 min Scan# 749

Delta R.T. 0.10 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

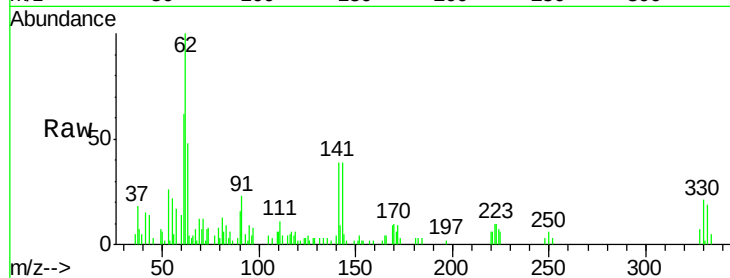
Tot Ion:169 Resp: 3297

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

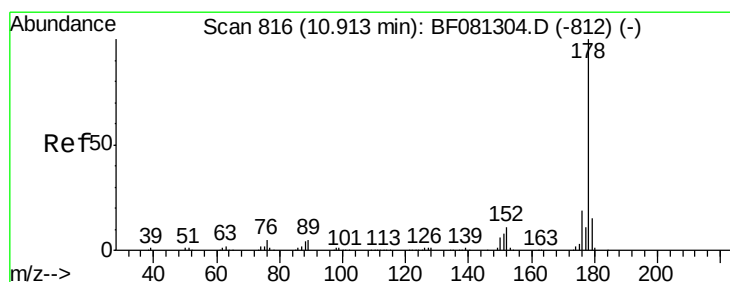
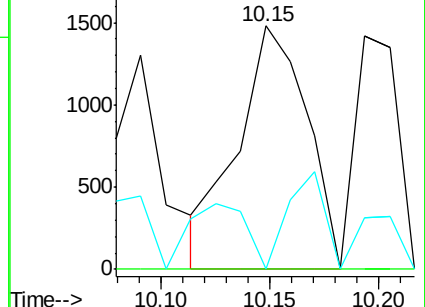
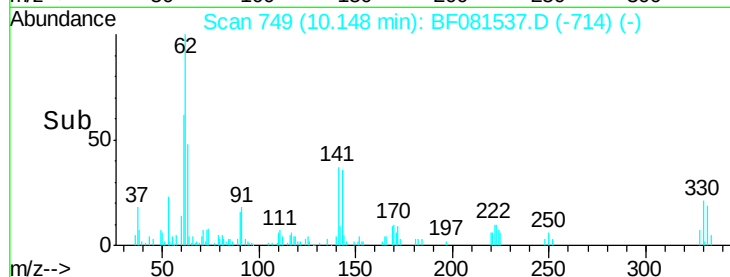
167 0.0 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 55.31 ng

RT: 10.91 min Scan# 816

Delta R.T. 0.05 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

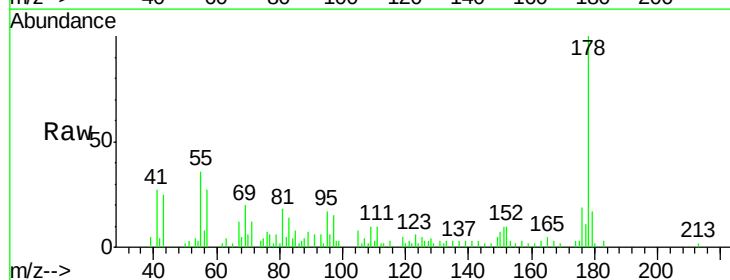
Tgt Ion:178 Resp: 15391

Ion Ratio Lower Upper

178 100

176 18.9 13.8 20.8

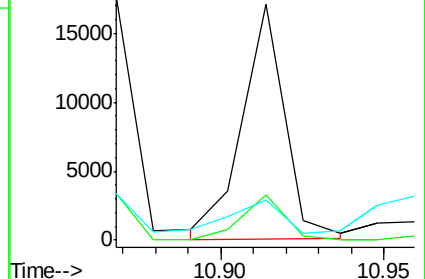
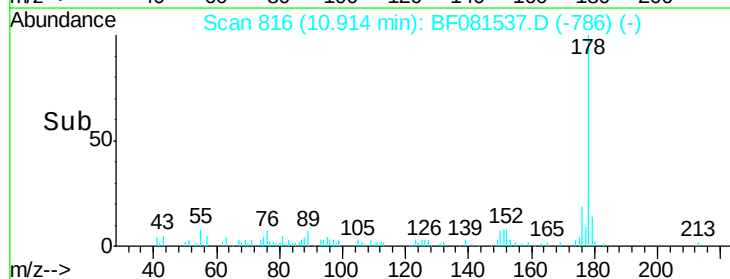
179 17.1 12.2 18.2

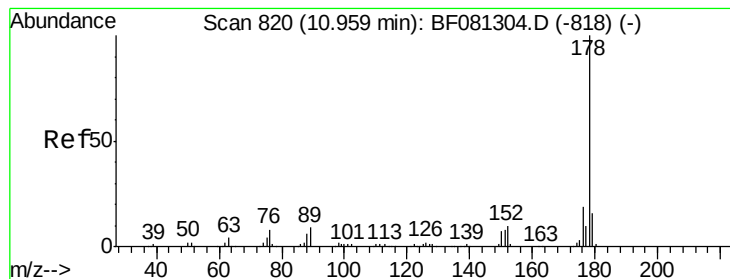


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 53.73 ng

RT: 10.91 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampled :

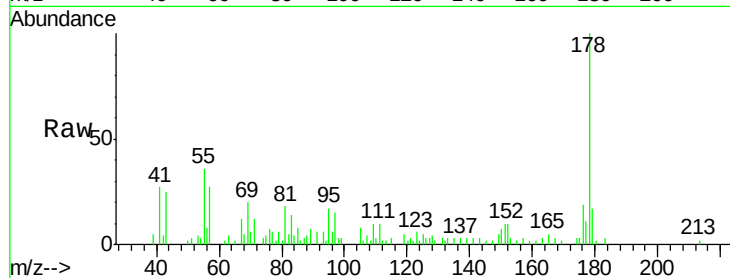
Tot Ion:178 Resp: 15361

Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

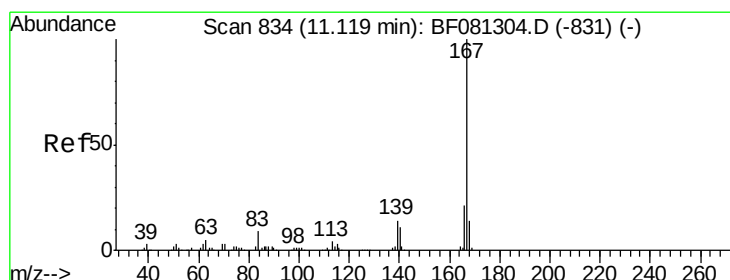
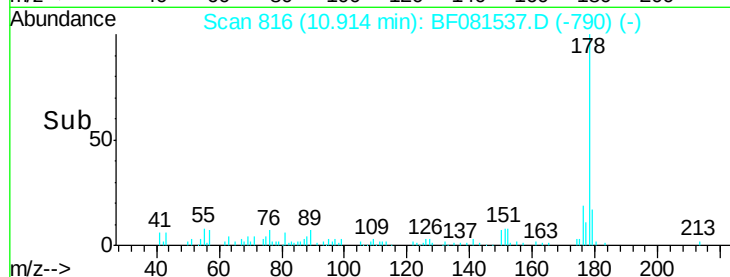
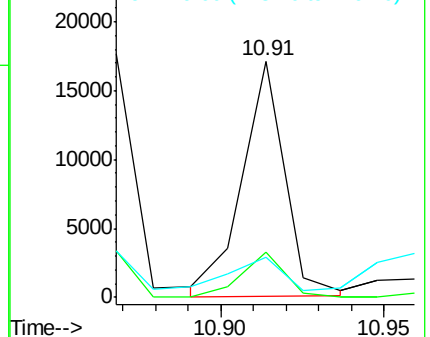
179 17.1 12.2 18.2



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



#72

Carbazole

Concen: 5.16 ng

RT: 11.27 min Scan# 847

Delta R.T. 0.18 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

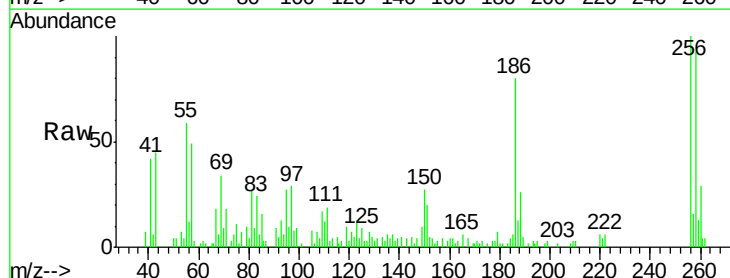
Tgt Ion:167 Resp: 1384

Ion Ratio Lower Upper

167 100

166 0.0 15.7 23.5#

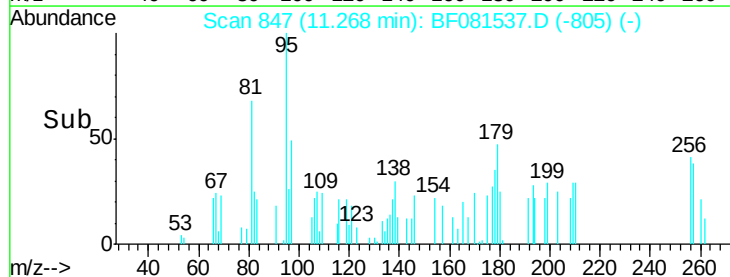
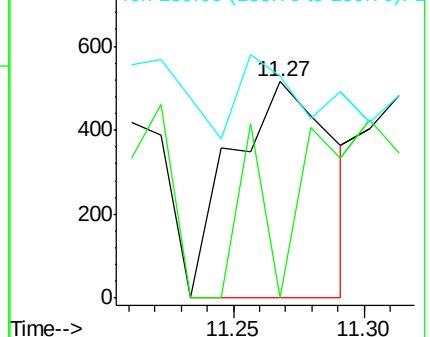
139 102.5 9.5 14.3#

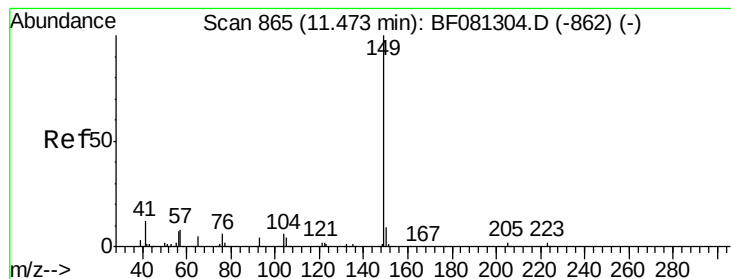


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 5.44 ng

RT: 11.50 min Scan# 867

Delta R.T. 0.06 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

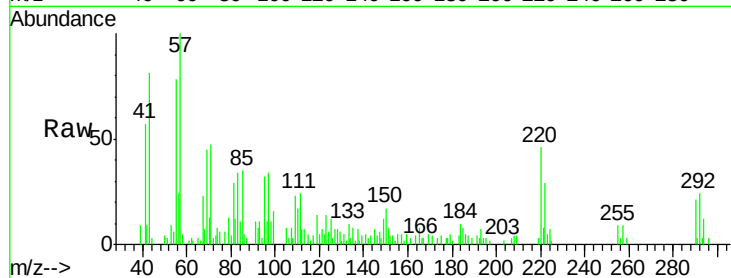
Tot Ion:149 Resp: 1723

Ion Ratio Lower Upper

149 100

150 144.7 7.4 11.2#

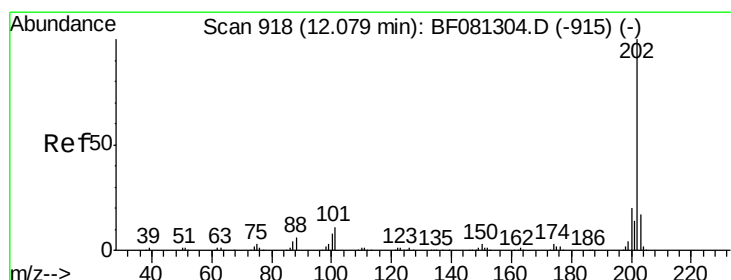
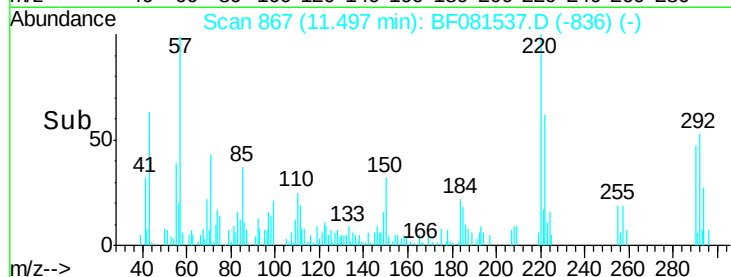
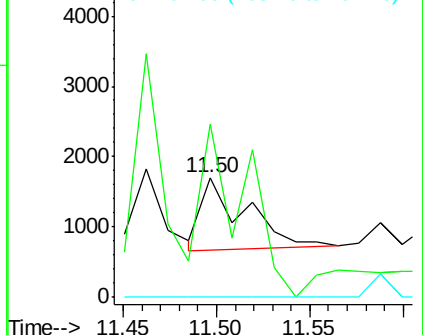
104 0.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 328.46 ng

RT: 12.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

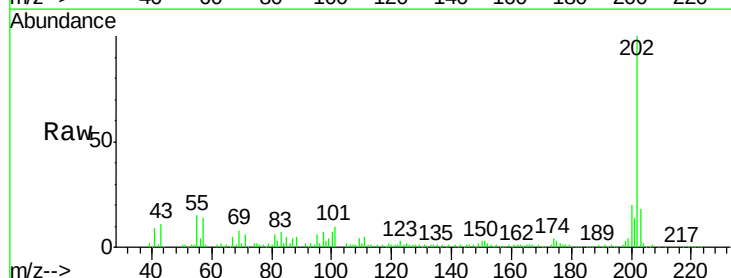
Tgt Ion:202 Resp: 98937

Ion Ratio Lower Upper

202 100

101 9.9 0.0 38.3

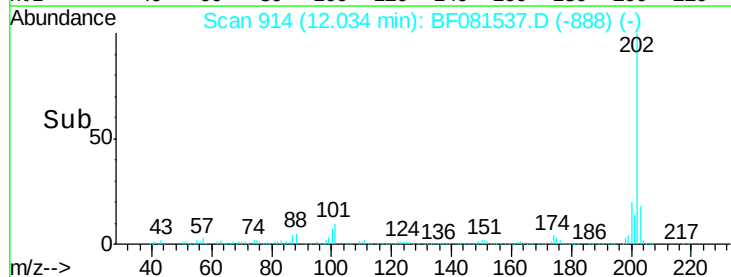
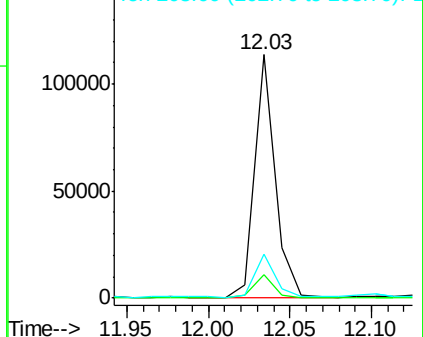
203 18.1 0.0 37.3

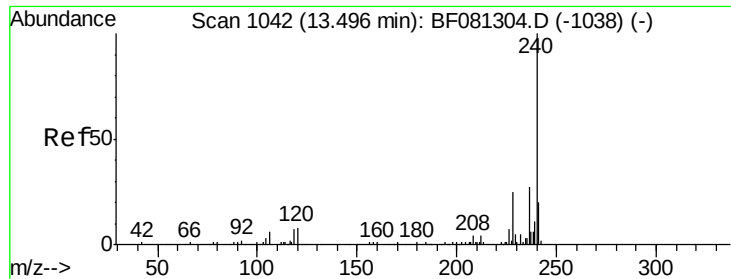


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampled :

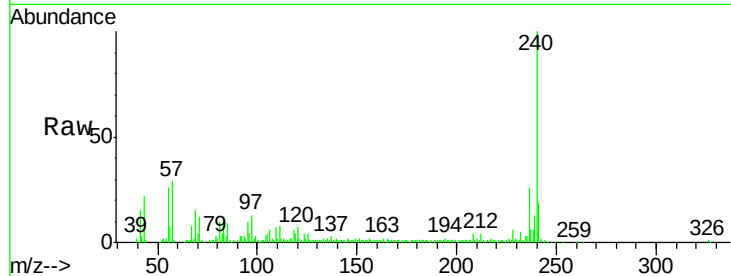
Tot Ion:240 Resp: 105901

Ion Ratio Lower Upper

240 100

120 7.5 16.2 24.2#

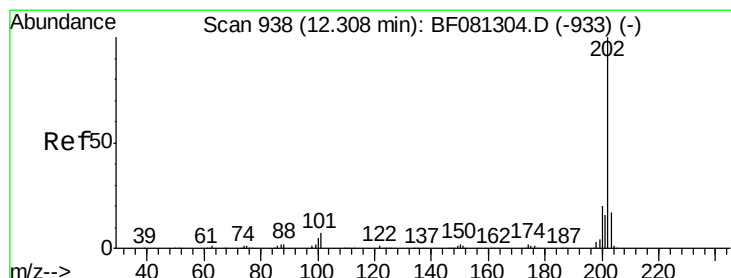
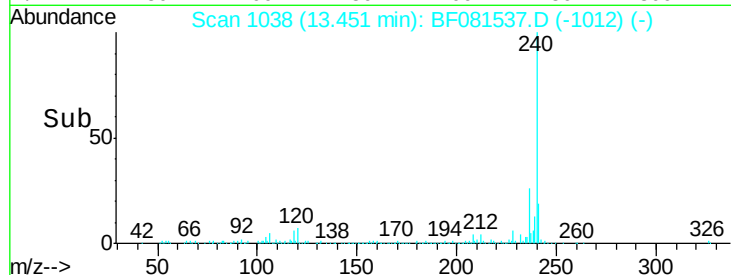
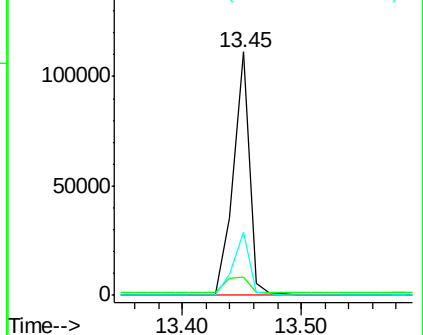
236 25.9 18.4 27.6



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: 11.67 ng

RT: 12.26 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

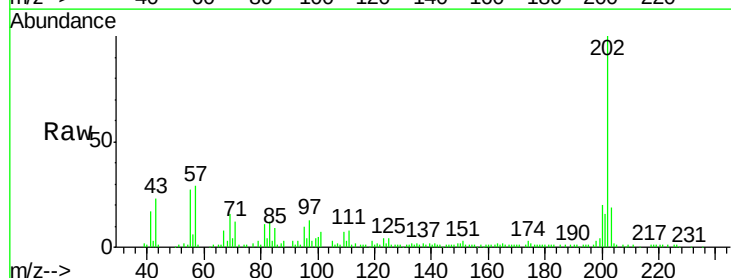
Tgt Ion:202 Resp: 91512

Ion Ratio Lower Upper

202 100

200 19.7 15.0 22.4

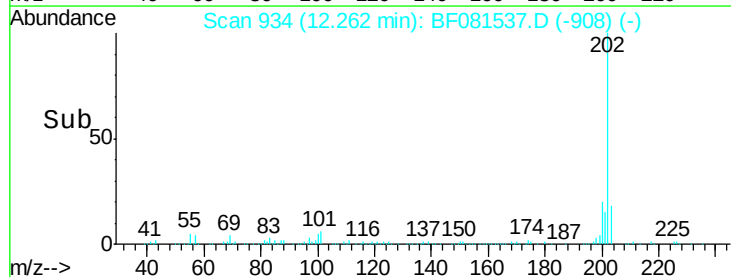
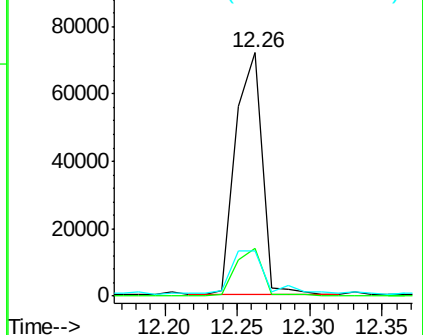
203 18.6 14.1 21.1

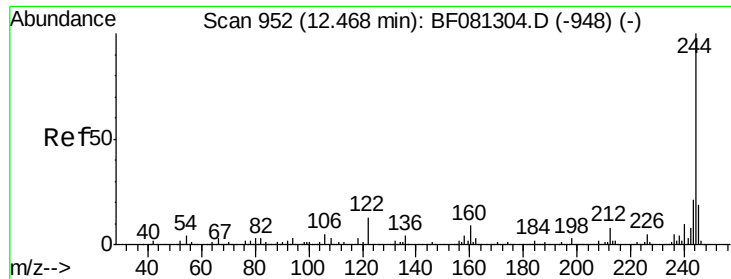


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

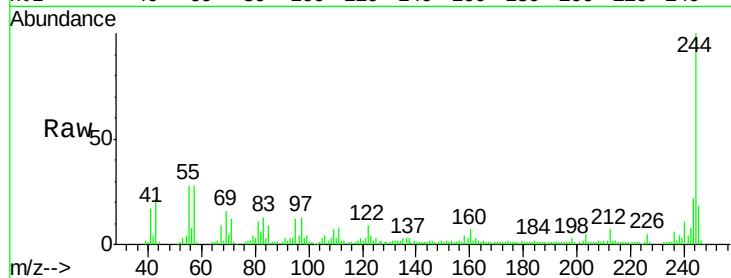




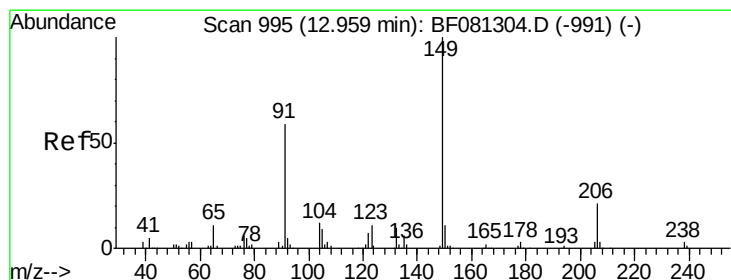
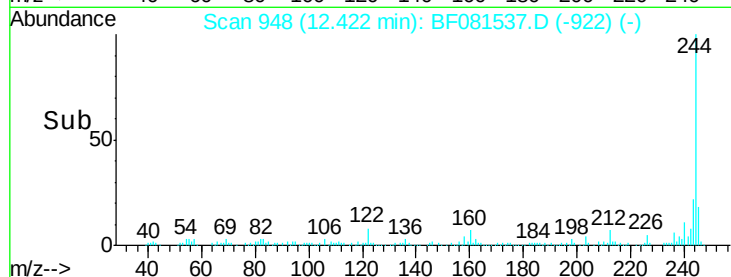
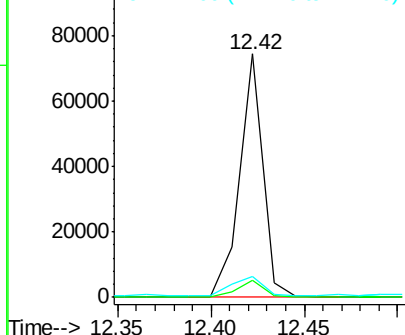
#78
 Terphenyl-d14
 Concen: 14.26 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 64870
 Ion Ratio Lower Upper
 244 100
 212 7.3 4.3 6.5#
 122 8.6 17.4 26.2#

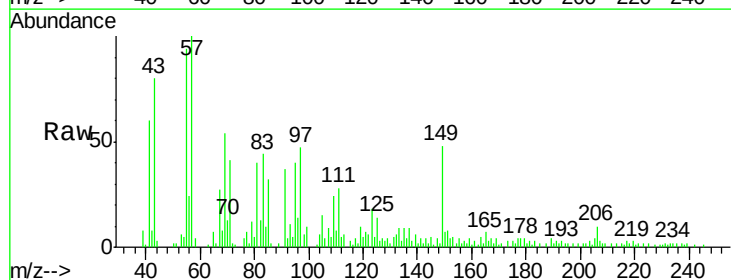


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

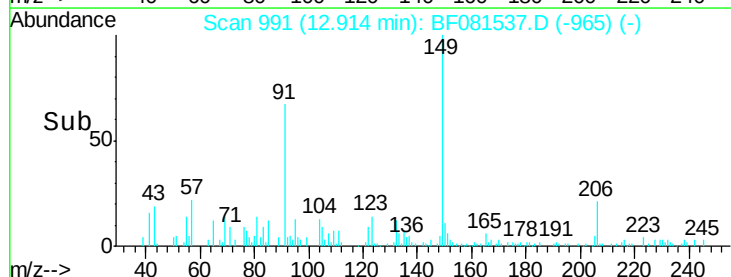
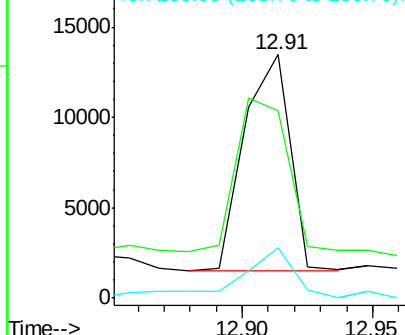


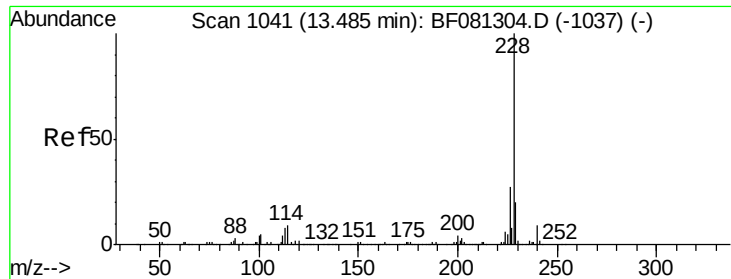
#79
 Butylbenzylphthalate
 Concen: 4.31 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF081537.D
 Acq: 8 Sep 2015 22:57

Tgt Ion:149 Resp: 14709
 Ion Ratio Lower Upper
 149 100
 91 76.9 48.6 72.8#
 206 20.4 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

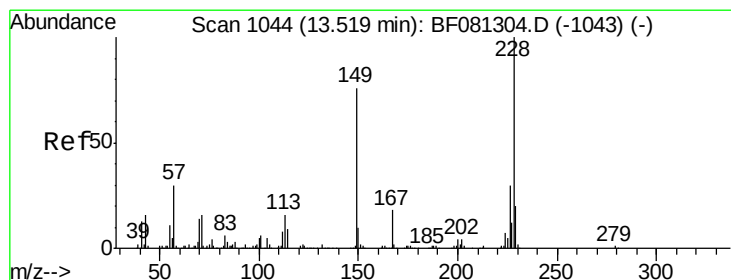
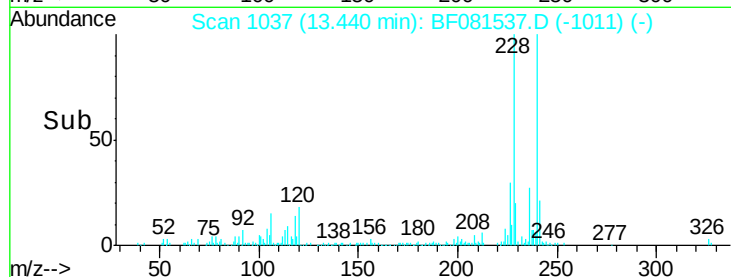
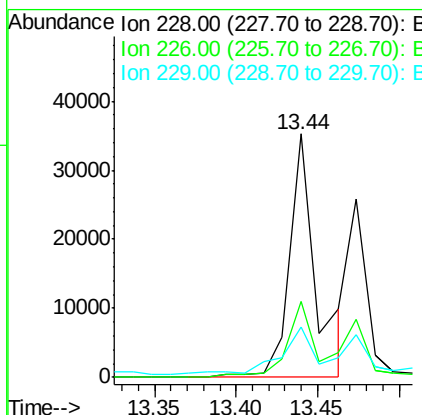
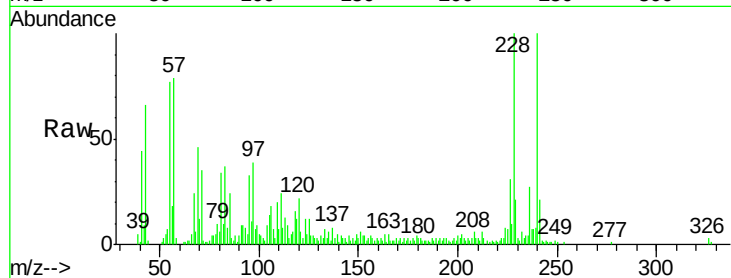




#80
Benzo(a)anthracene
Concen: 5.99 ng
RT: 13.44 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

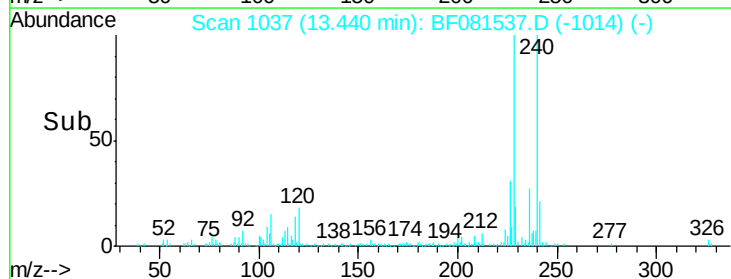
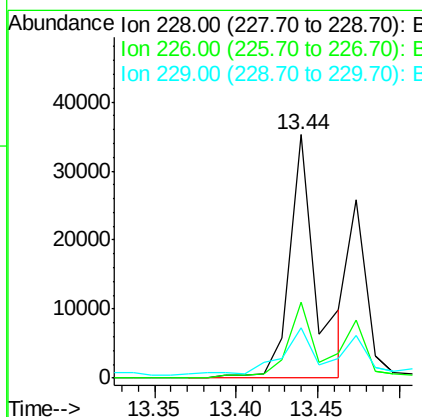
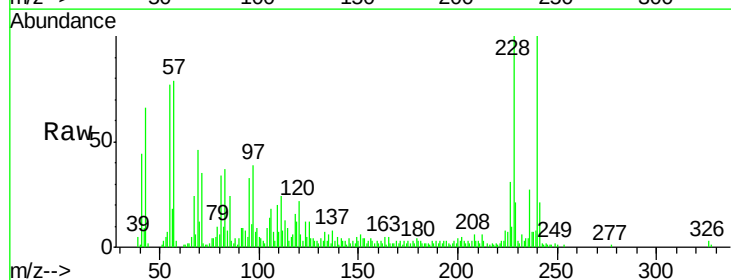
Instrument :
BNA_F
ClientSampleId :

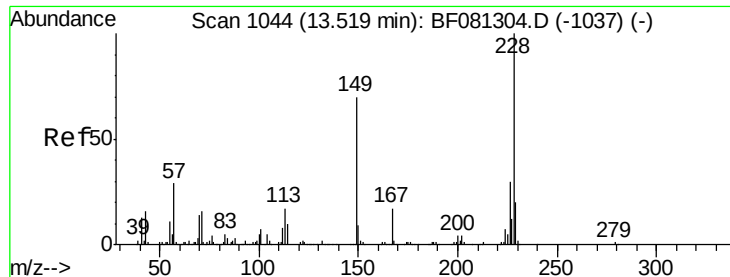
Tot Ion:228 Resp: 40370
Ion Ratio Lower Upper
228 100
226 31.2 20.0 30.0#
229 20.6 15.4 23.2



#82
Chrysene
Concen: 6.68 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

Tgt Ion:228 Resp: 40370
Ion Ratio Lower Upper
228 100
226 31.2 21.0 31.4
229 20.6 15.6 23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 19.92 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

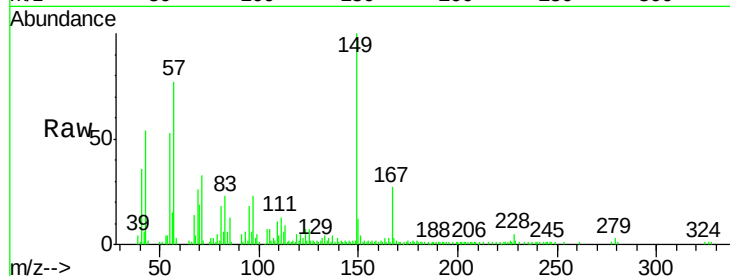
Tot Ion:149 Resp: 89703

Ion Ratio Lower Upper

149 100

167 26.7 24.2 36.2

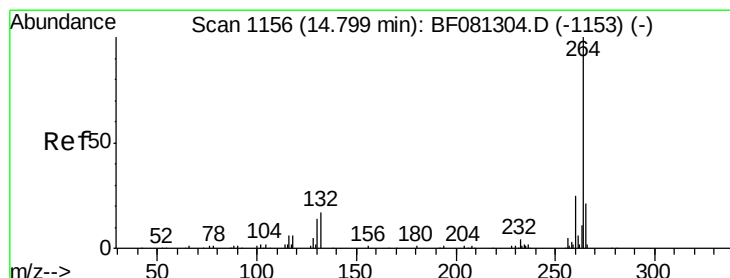
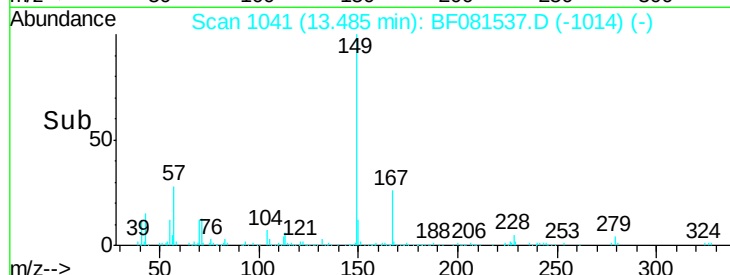
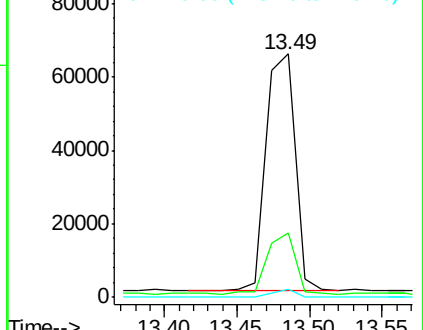
279 3.4 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

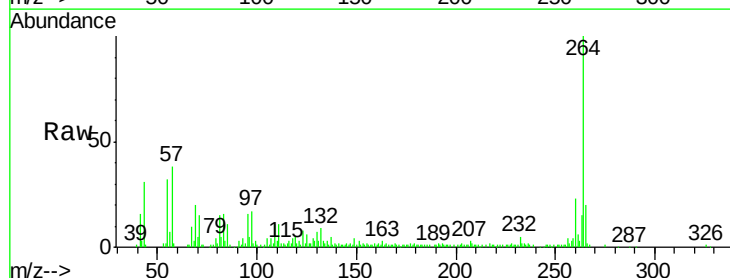
Tgt Ion:264 Resp: 98645

Ion Ratio Lower Upper

264 100

260 23.4 16.7 25.1

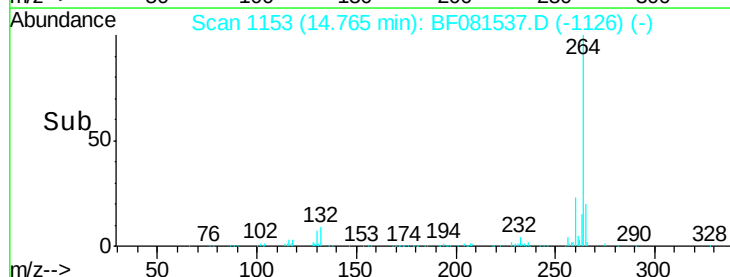
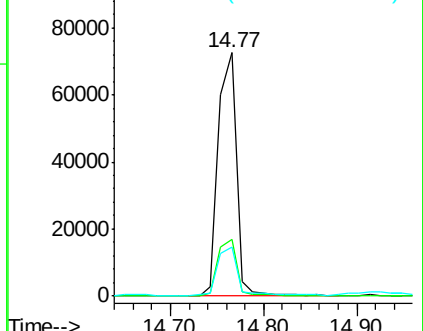
265 20.3 17.2 25.8

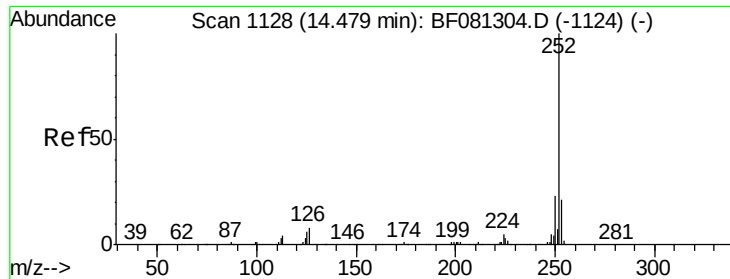


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

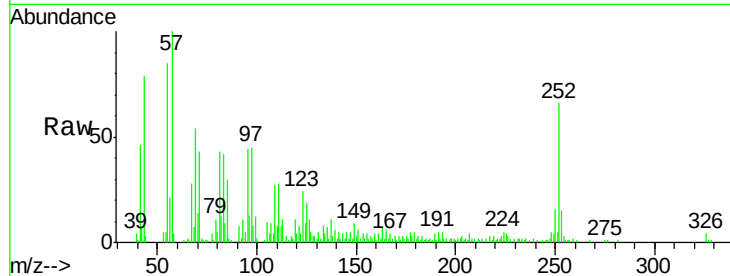




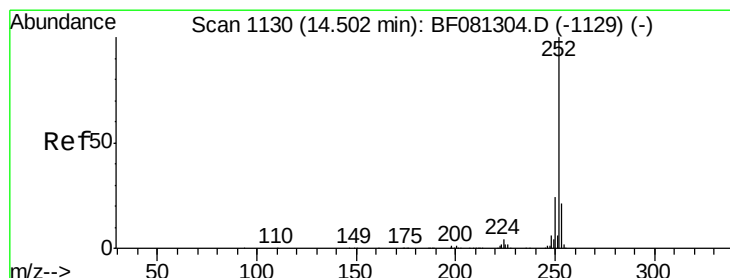
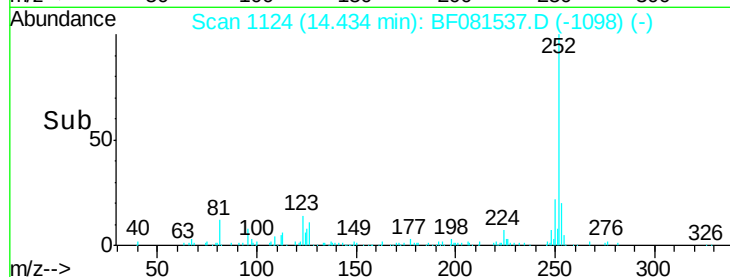
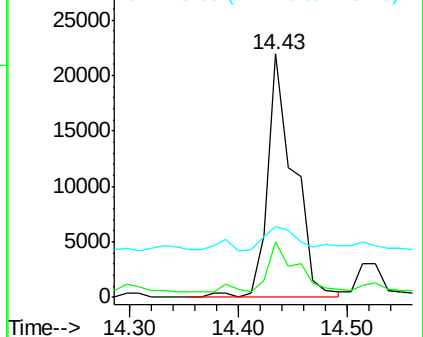
#87
Benzo(b)fluoranthene
Concen: 5.25 ng
RT: 14.43 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37008
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 29.2 17.1 25.7#

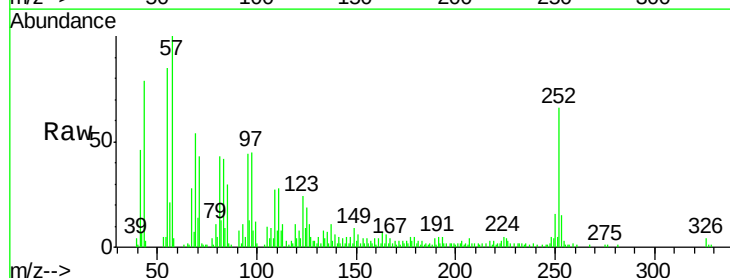


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

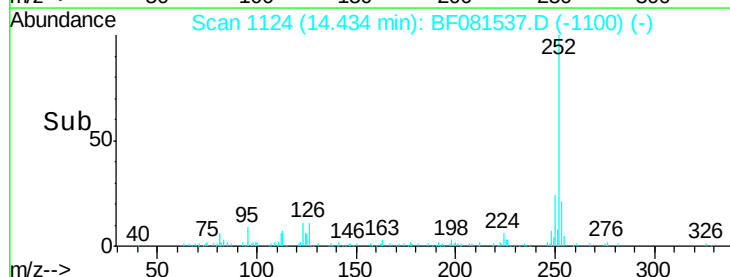
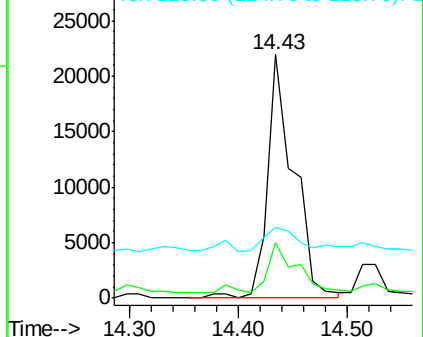


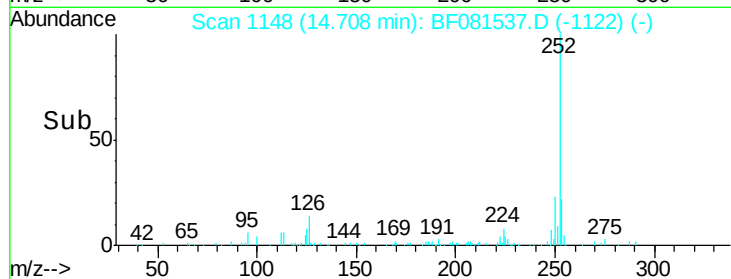
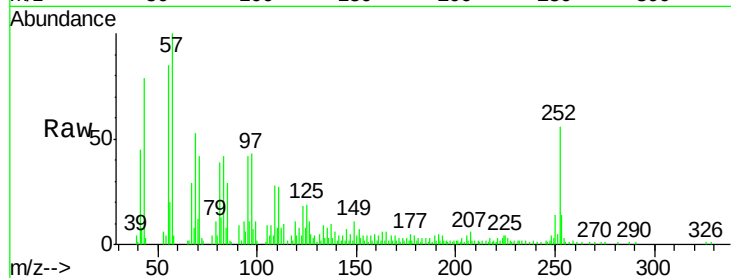
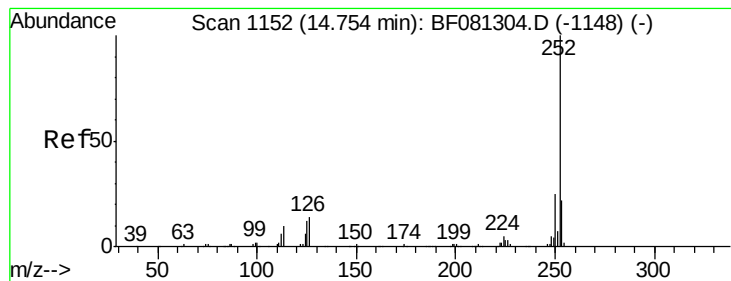
#88
Benzo(k)fluoranthene
Concen: 6.33 ng
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF081537.D
Acq: 8 Sep 2015 22:57

Tgt Ion:252 Resp: 37008
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 29.2 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





#89

Benzo(a)pyrene

Concen: 3.04 ng

RT: 14.71 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF081537.D

Acq: 8 Sep 2015 22:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 18152

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 33.6 18.0 27.0#

