

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081533.D
 Acq On : 8 Sep 2015 20:52
 Operator : UM/IZ
 Sample : G3555-10RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 23:52:57 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

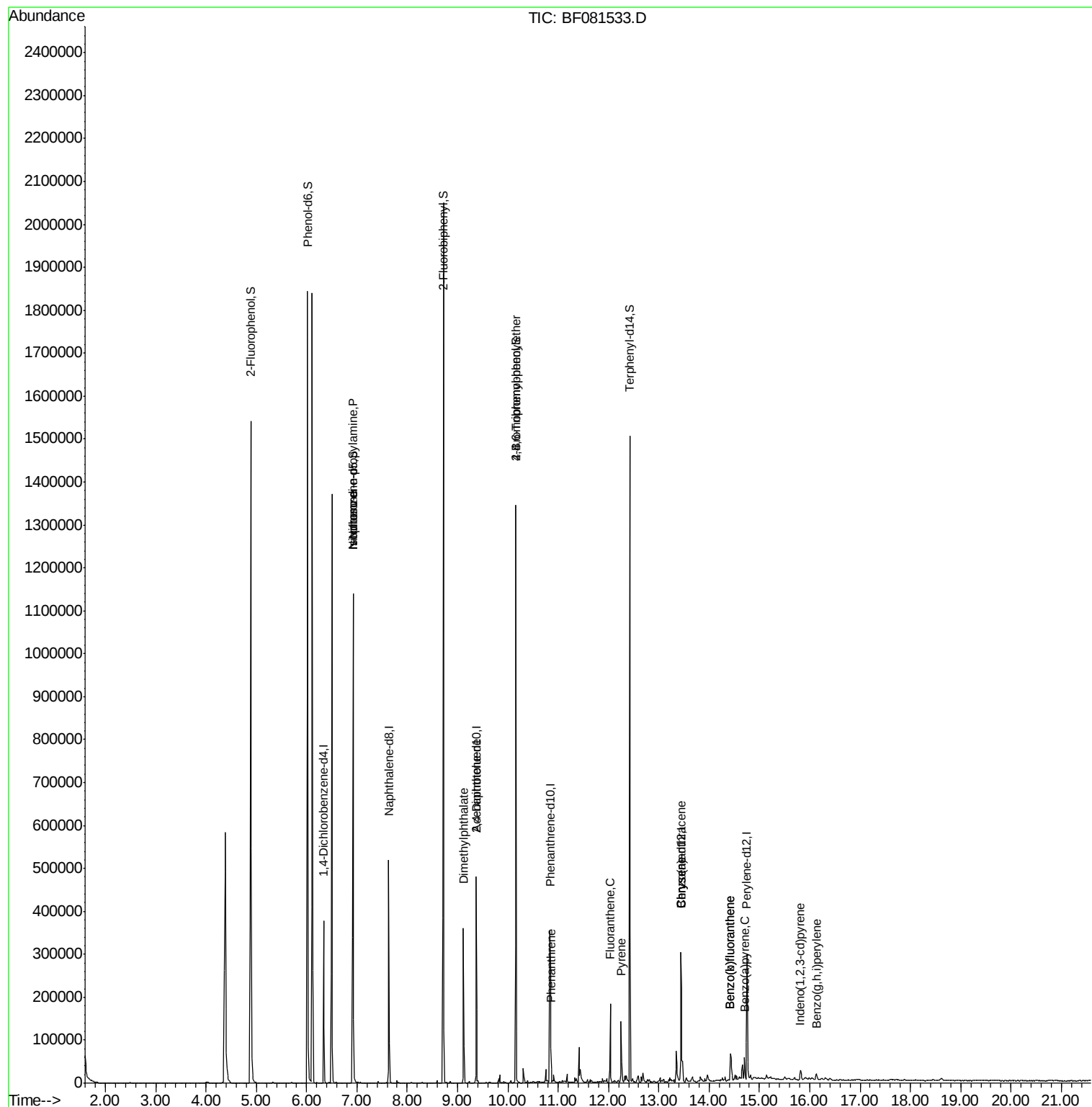
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	53596	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	208254	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	96911	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	176034	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	116766	20.00	ng	-0.01
86) Perylene-d12	14.75	264	109981	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	434897	125.90	ng	0.01
7) Phenol-d6	6.02	99	643975	140.84	ng	0.00
23) Nitrobenzene-d5	6.92	82	369429	85.59	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	110536	128.10	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	568435	75.17	ng	0.00
78) Terphenyl-d14	12.42	244	459091	91.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.92	70	51394	16.51	ng	# 65
25) Isophorone	6.92	82	293208	36.52	ng	# 58
49) Dimethylphthalate	9.12	163	134411	17.85	ng	# 97
56) 2,4-Dinitrotoluene	9.37	165	12225	5.62	ng	# 31
66) 4-Bromophenyl-phenylether	10.16	248	9048	5.08	ng	# 1
70) Phenanthrene	10.86	178	32559	3.33	ng	97
74) Fluoranthene	12.03	202	73504	6.94	ng	87
77) Pyrene	12.25	202	59009	6.82	ng	96
80) Benzo(a)anthracene	13.44	228	56227	7.56	ng	94
82) Chrysene	13.44	228	56227	8.44	ng	95
85) Indeno(1,2,3-cd)pyrene	15.82	276	13199	2.70	ng	# 79
87) Benzo(b)fluoranthene	14.42	252	45113	5.75	ng	# 89
88) Benzo(k)fluoranthene	14.42	252	45113	6.92	ng	# 90
89) Benzo(a)pyrene	14.71	252	24152	3.63	ng	# 82
91) Benzo(a,h,i)perylene	16.14	276	11334	2.31	ng	# 71

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

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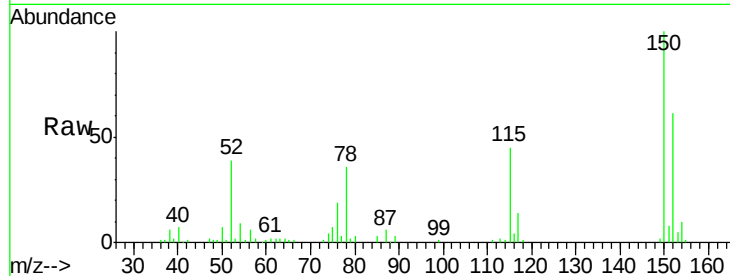


#1

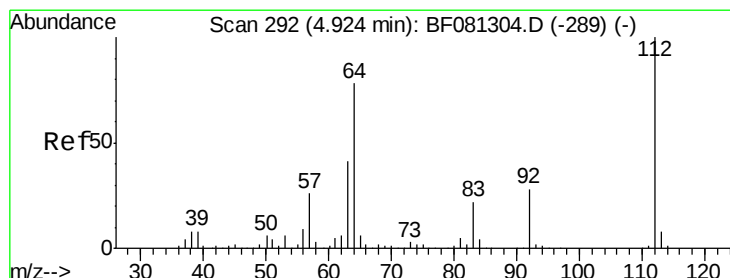
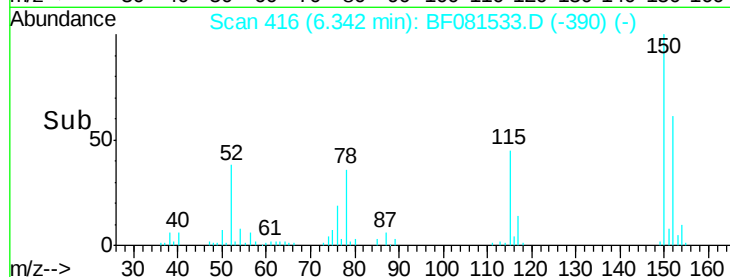
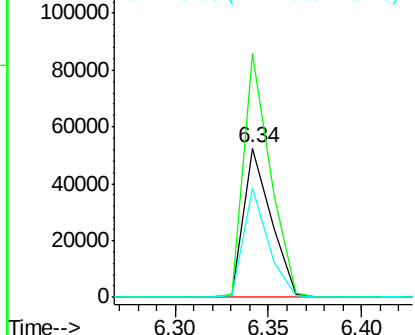
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53596
Ion Ratio Lower Upper
152 100
150 163.4 124.7 187.1
115 73.6 39.0 58.4#



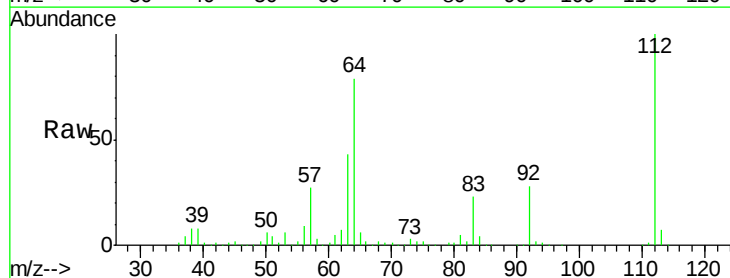
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



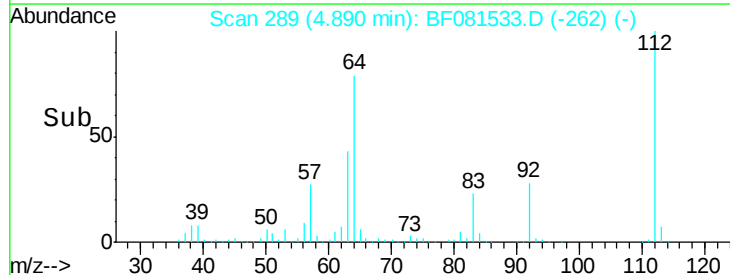
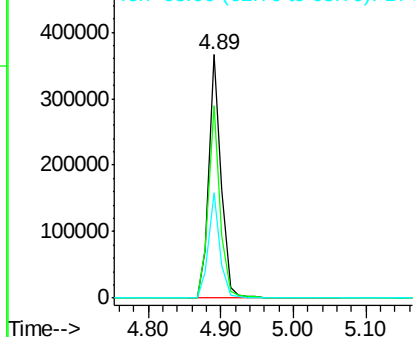
#5

2-Fluorophenol
Concen: 125.90 ng
RT: 4.89 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Tgt Ion:112 Resp: 434897
Ion Ratio Lower Upper
112 100
64 78.9 39.7 59.5#
63 43.2 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: 140.84 ng

RT: 6.02 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Instrument :

BNA_F

ClientSampleId :

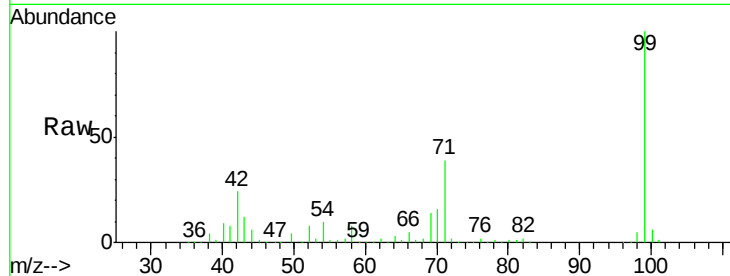
Tot Ion: 99 Resp: 643975

Ion Ratio Lower Upper

99 100

42 23.6 13.7 20.5#

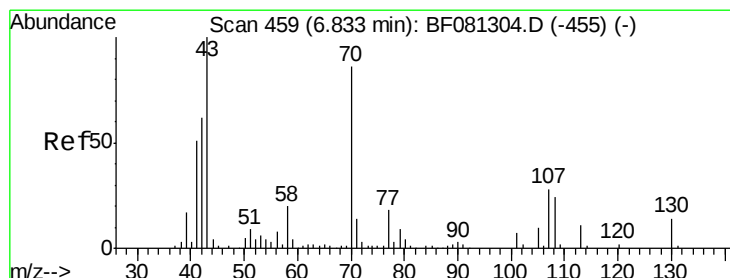
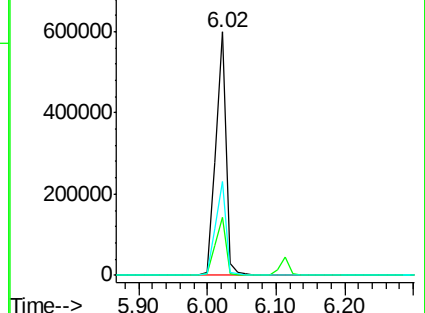
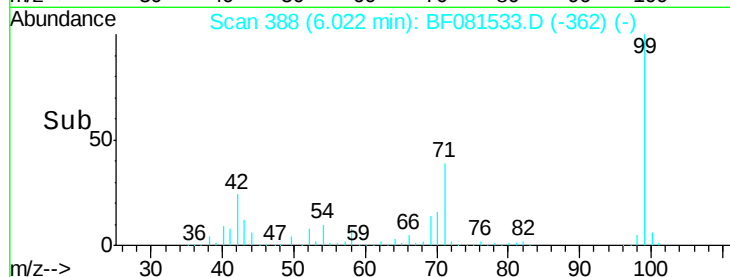
71 38.6 14.2 21.2#



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: 16.51 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Tgt Ion: 70 Resp: 51394

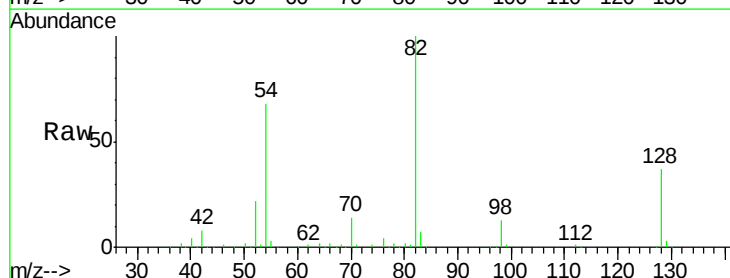
Ion Ratio Lower Upper

70 100

42 55.5 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

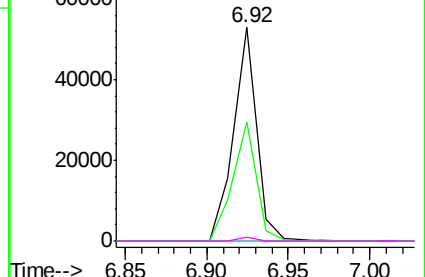
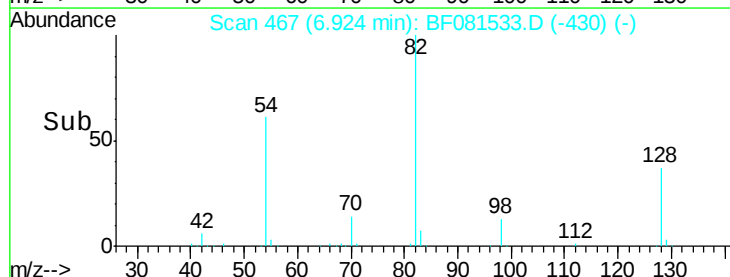


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF081533.D

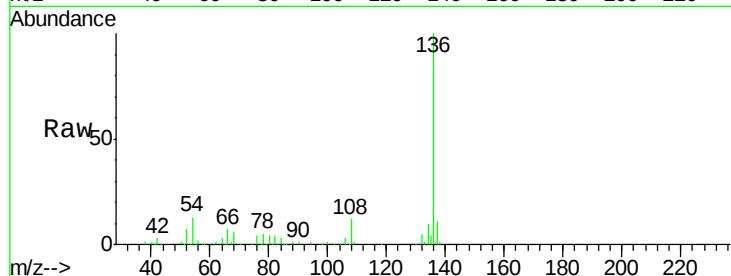
Acq: 8 Sep 2015 20:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	208254
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.6
54	13.1	8.2 12.2#
68	5.5	5.8 8.6#

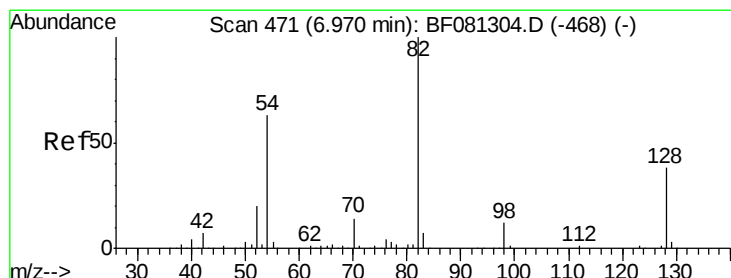
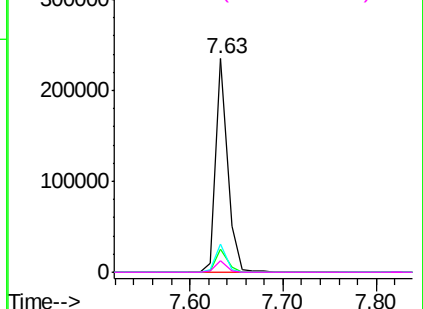
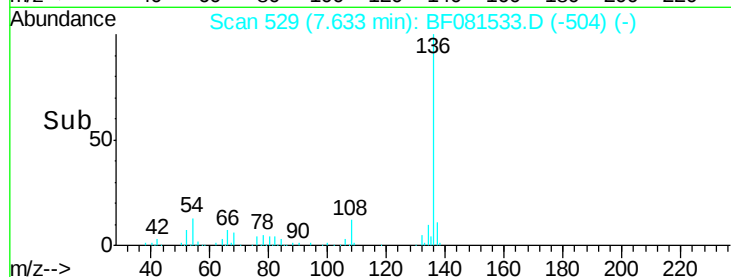


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.59 ng

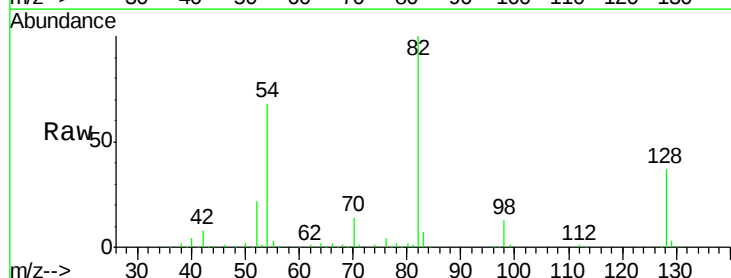
RT: 6.92 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

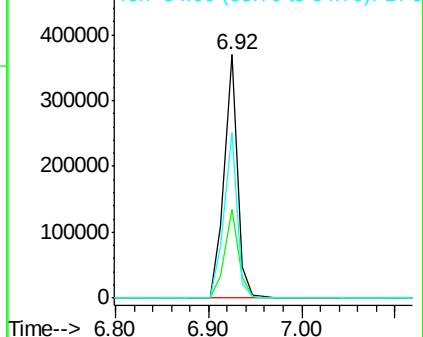
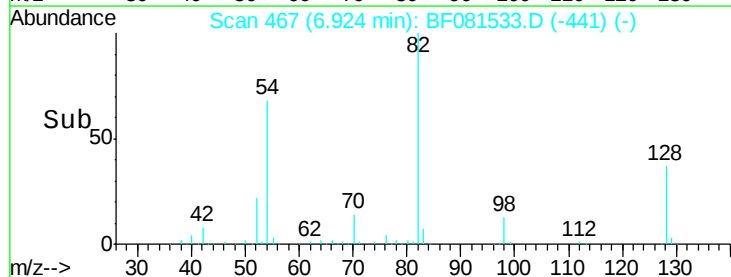
Tgt Ion: 82	Resp:	369429
Ion Ratio	Lower	Upper
82	100	
128	36.7	51.0 76.6#
54	67.8	47.5 71.3

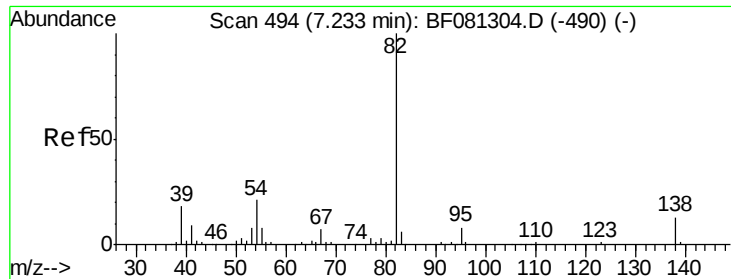


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.52 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.27 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Instrument :

BNA_F

ClientSampleId :

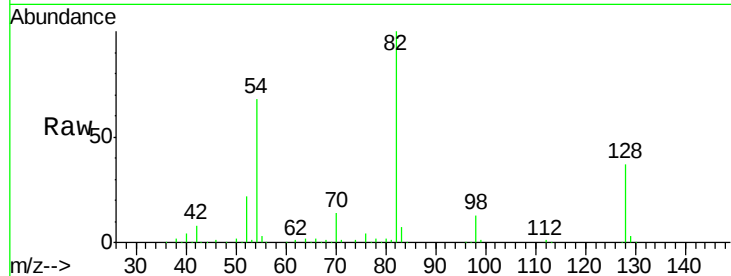
Tot Ion: 82 Resp: 293208

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

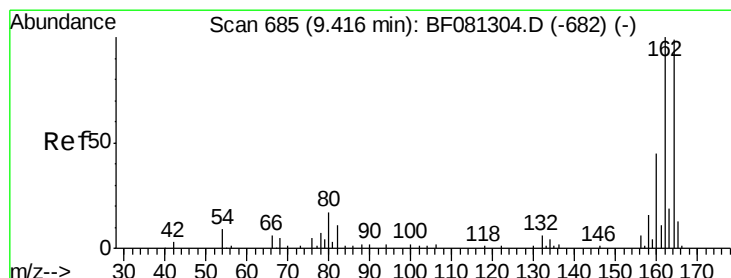
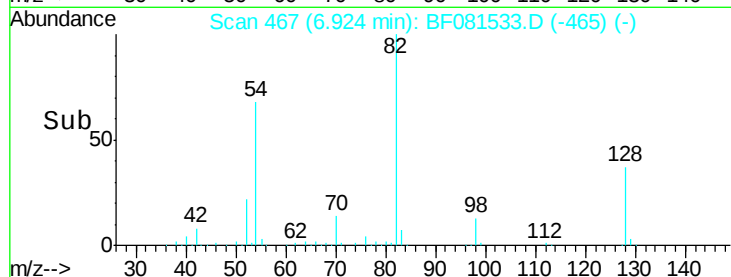
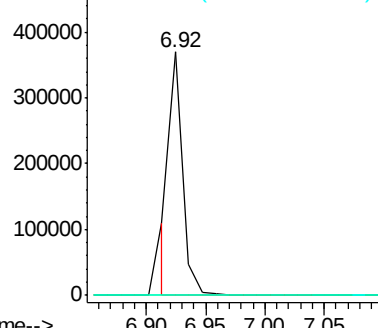
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

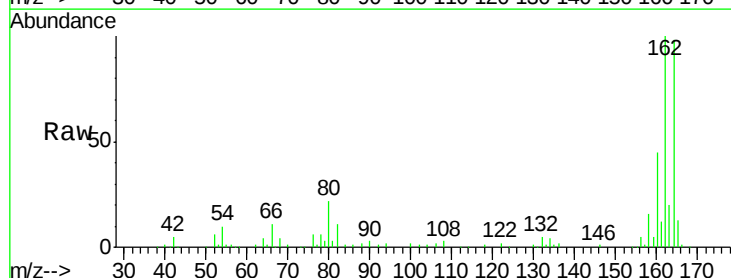
Tgt Ion: 164 Resp: 96911

Ion Ratio Lower Upper

164 100

162 102.1 75.2 112.8

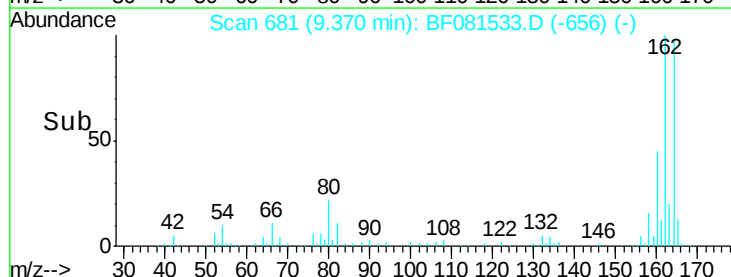
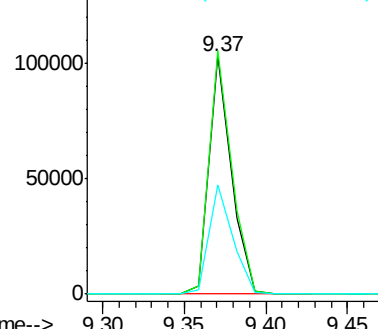
160 45.6 31.5 47.3

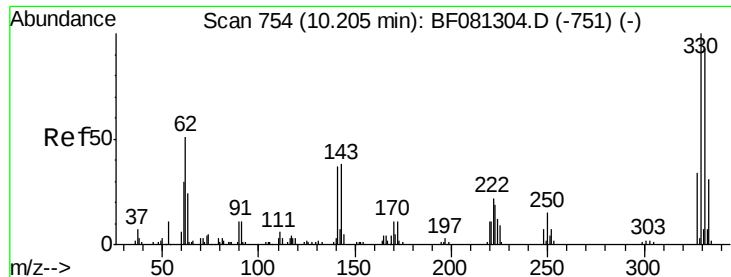


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

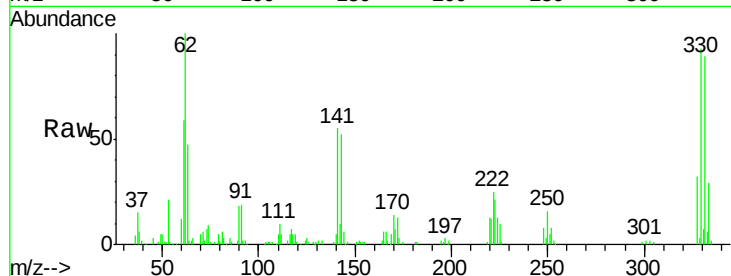




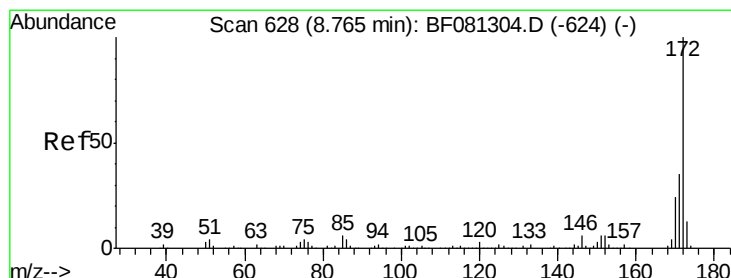
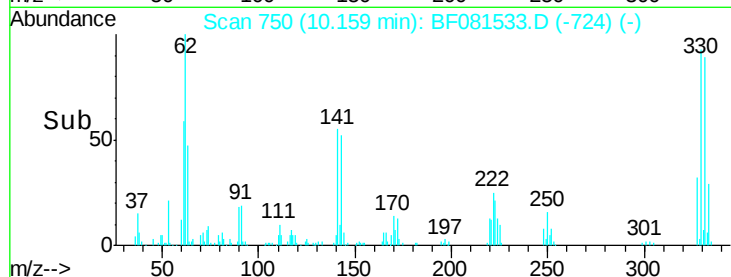
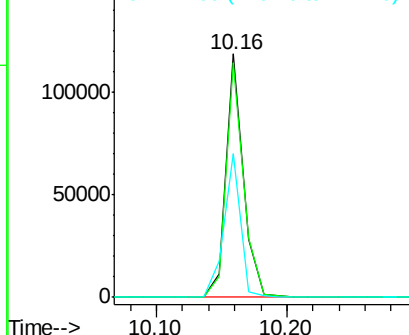
#41
 2,4,6-Tribromophenol
 Concen: 128.10 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 110536
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 57.3 29.7 44.5#

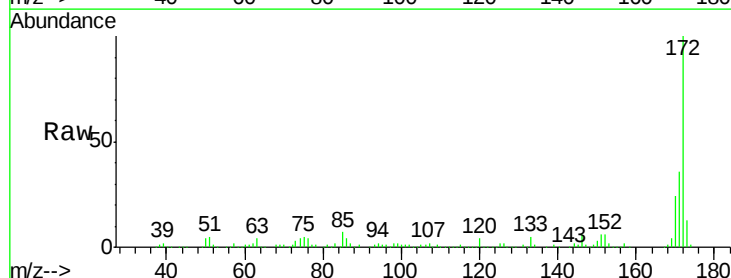


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

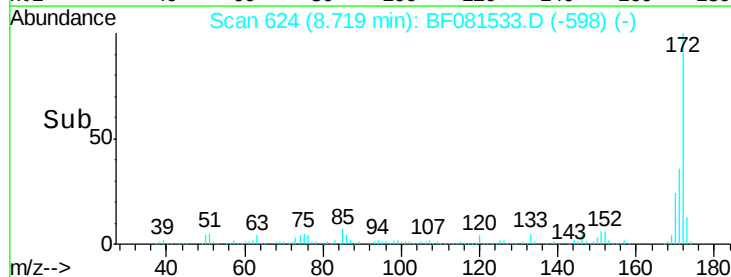
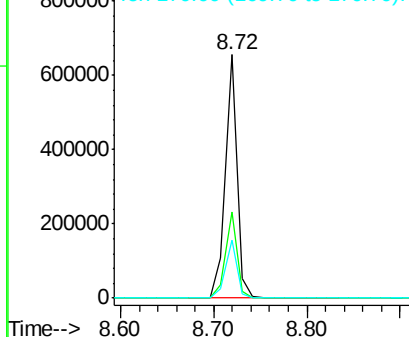


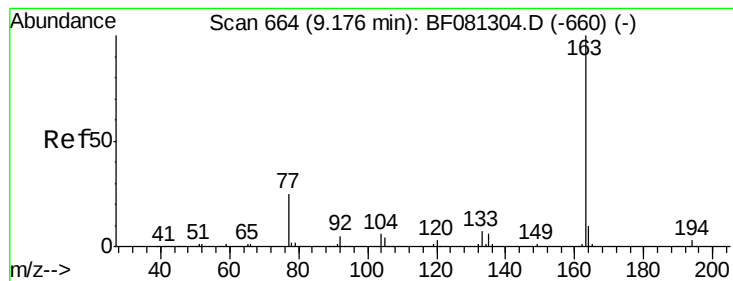
#44
 2-Fluorobiphenyl
 Concen: 75.17 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Tgt Ion:172 Resp: 568435
 Ion Ratio Lower Upper
 172 100
 171 35.6 26.1 39.1
 170 23.9 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: 17.85 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Instrument :

BNA_F

ClientSampleId :

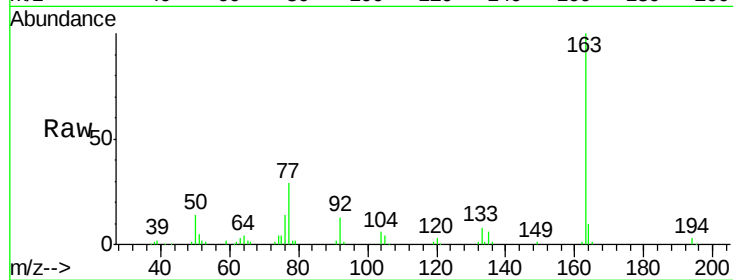
Tot Ion:163 Resp: 134411

Ion Ratio Lower Upper

163 100

194 2.9 4.4 6.6#

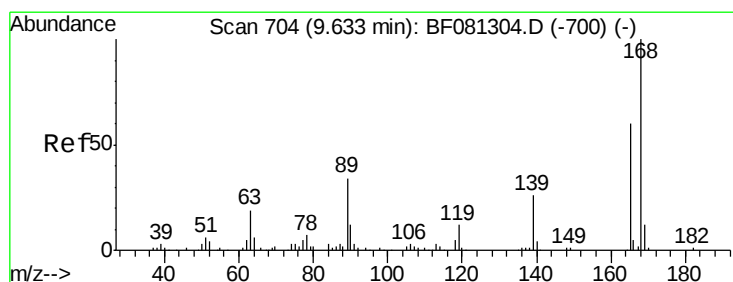
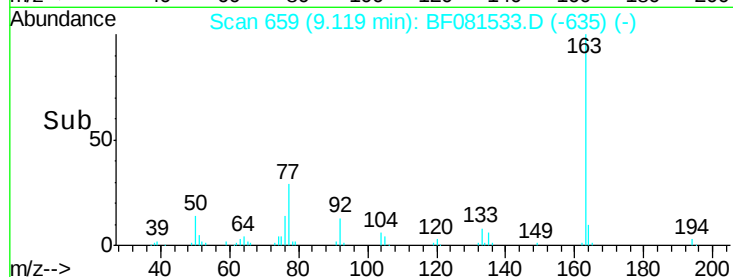
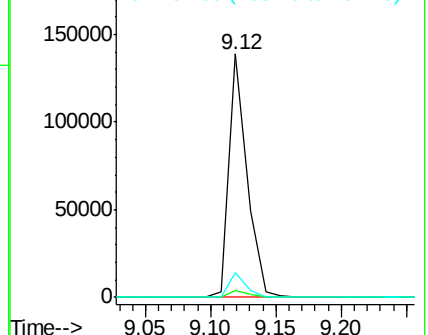
164 10.3 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.62 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Tgt Ion:165 Resp: 12225

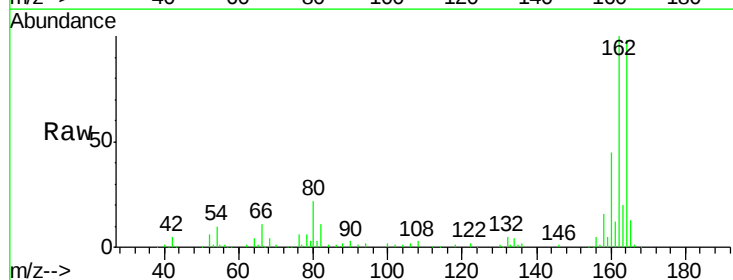
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

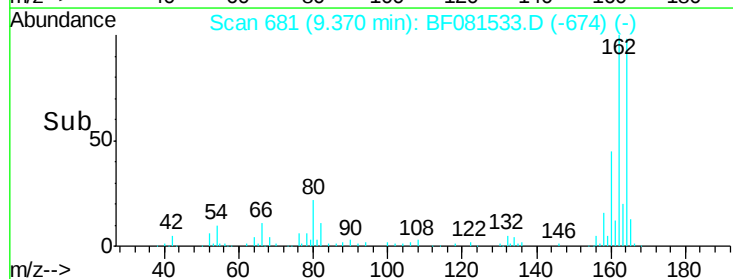
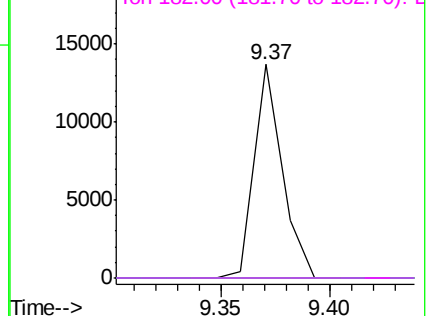


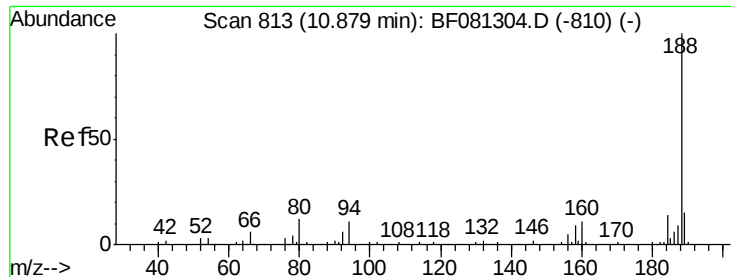
Abundance Ion 165.00 (164.70 to 165.70): E

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

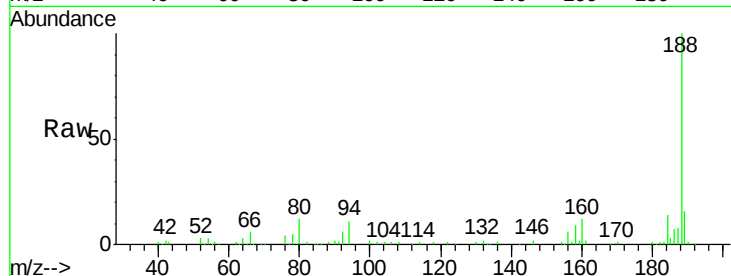




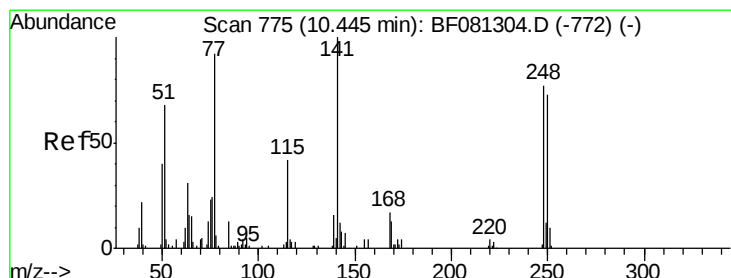
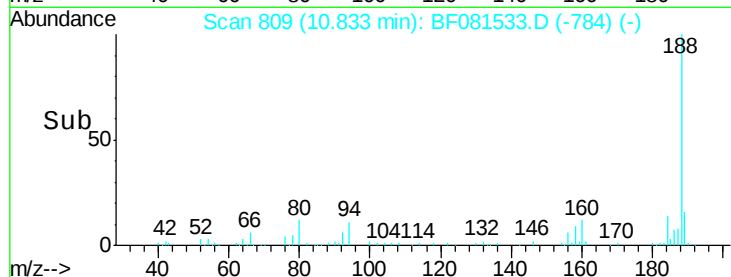
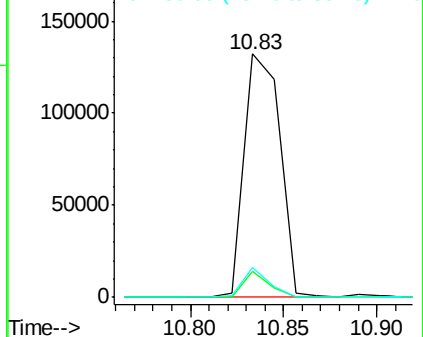
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 176034
 Ion Ratio Lower Upper
 188 100
 94 10.7 11.1 16.7#
 80 12.4 11.0 16.4

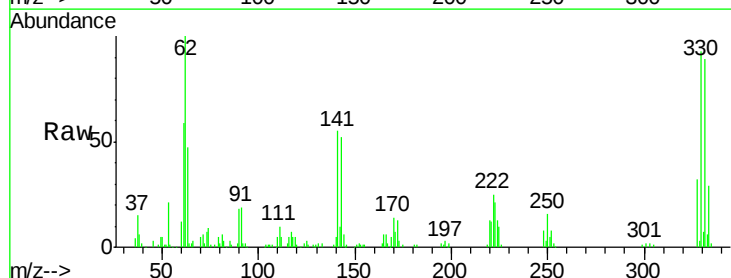


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

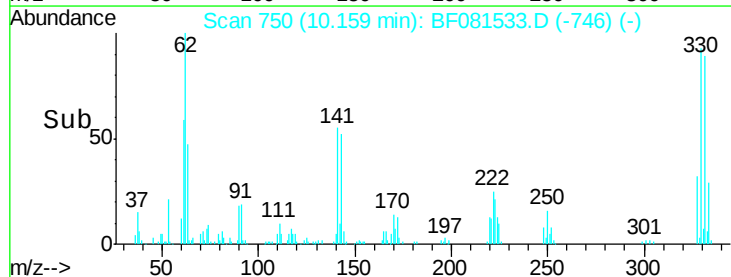
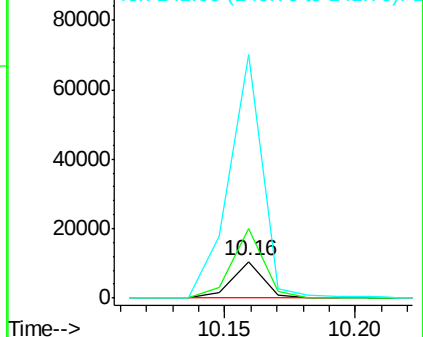


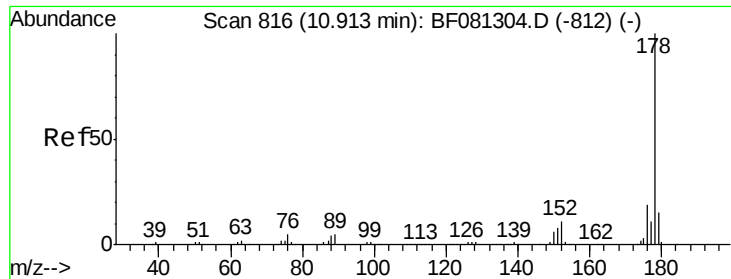
#66
 4-Bromophenyl-phenylether
 Concen: 5.08 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Tgt Ion:248 Resp: 9048
 Ion Ratio Lower Upper
 248 100
 250 191.3 78.5 117.7#
 141 669.0 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

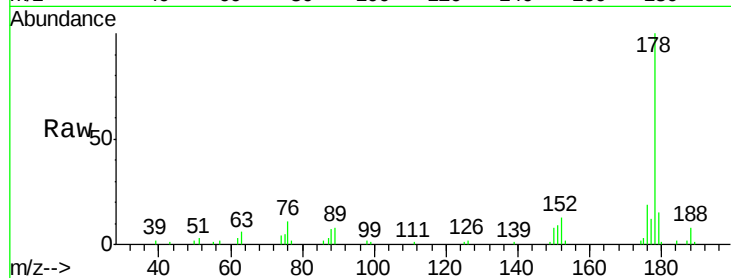




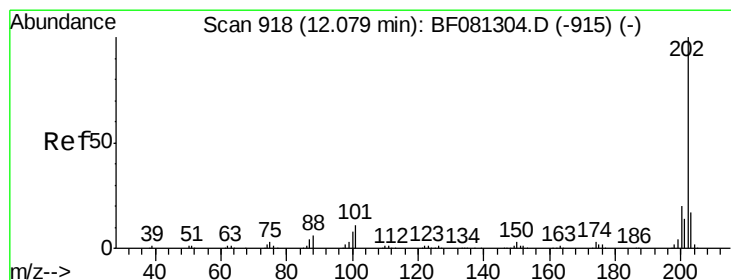
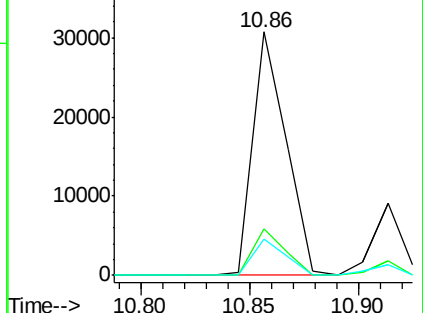
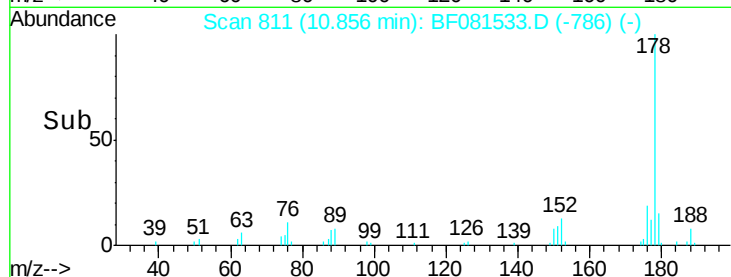
#70
Phenanthrene
Concen: 3.33 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 32559
Ion Ratio Lower Upper
178 100
176 19.1 13.8 20.8
179 14.9 12.2 18.2

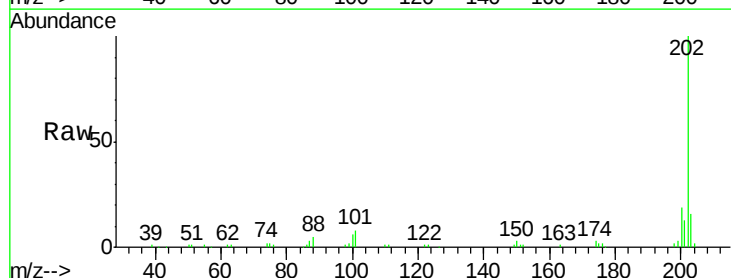


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

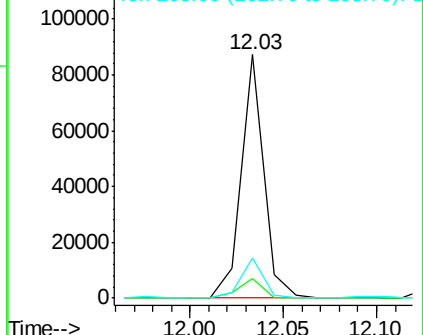
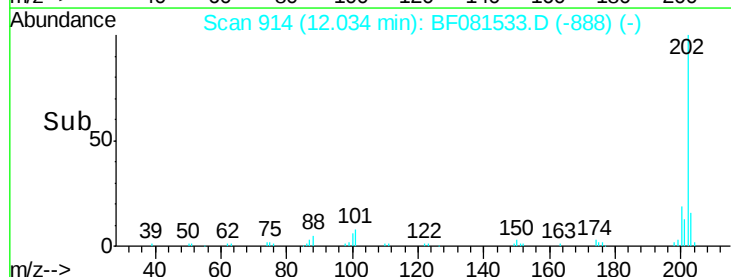


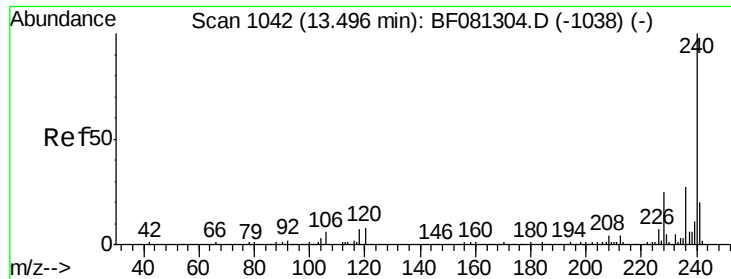
#74
Fluoranthene
Concen: 6.94 ng
RT: 12.03 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Tgt Ion:202 Resp: 73504
Ion Ratio Lower Upper
202 100
101 8.2 0.0 38.3
203 16.4 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: 13.44 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

Instrument :

BNA_F

ClientSampleId :

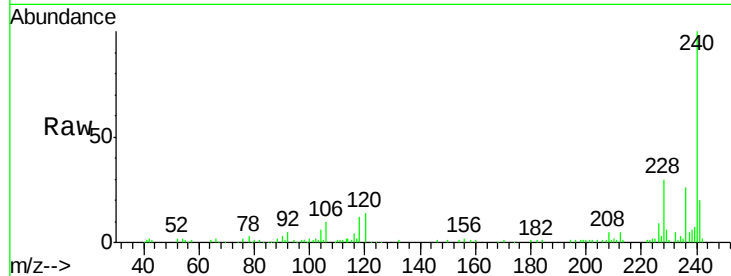
Tot Ion:240 Resp: 116766

Ion Ratio Lower Upper

240 100

120 13.9 16.2 24.2#

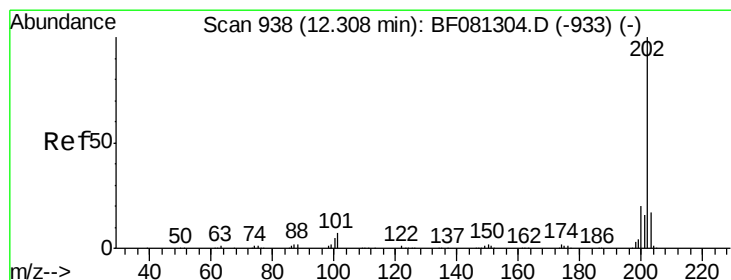
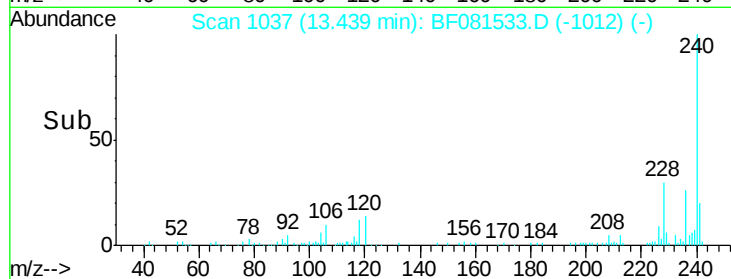
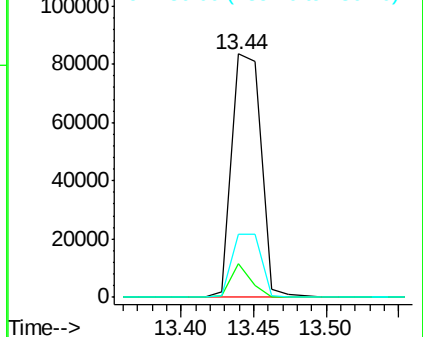
236 26.0 18.4 27.6



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: 6.82 ng

RT: 12.25 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF081533.D

Acq: 8 Sep 2015 20:52

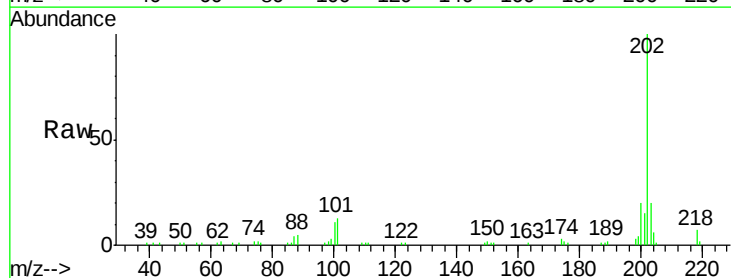
Tgt Ion:202 Resp: 59009

Ion Ratio Lower Upper

202 100

200 19.5 15.0 22.4

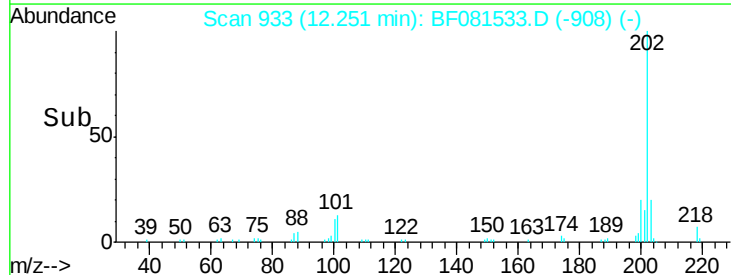
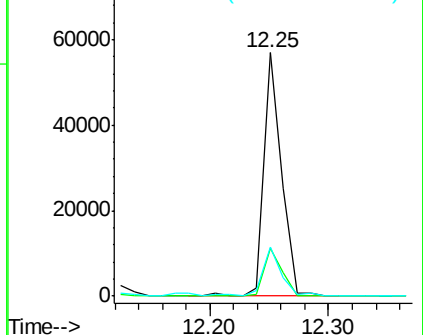
203 20.4 14.1 21.1

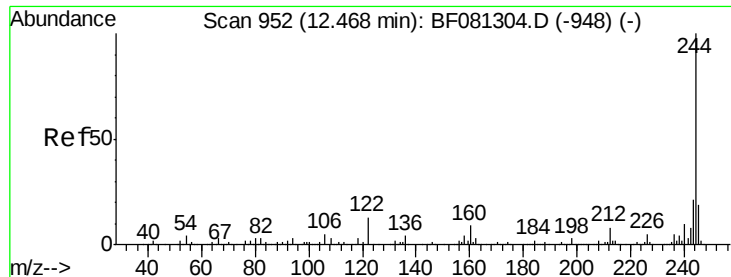


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

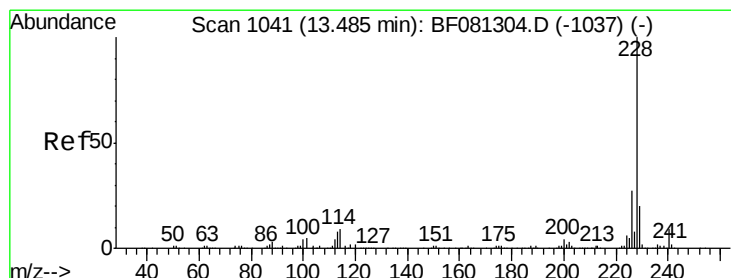
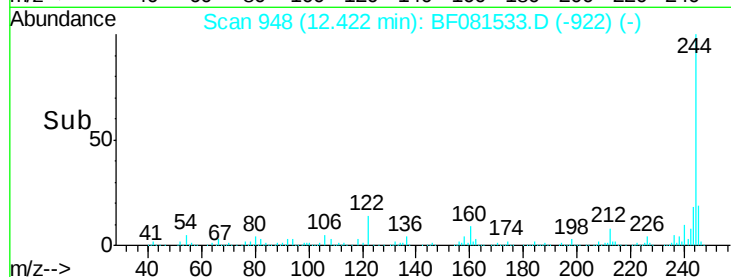
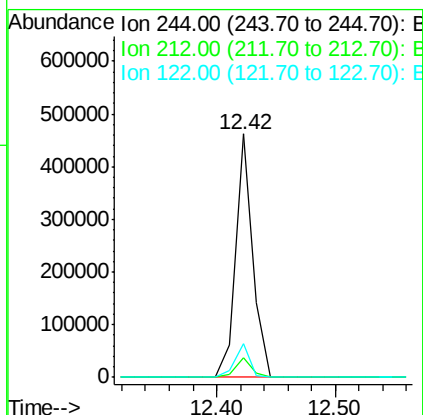
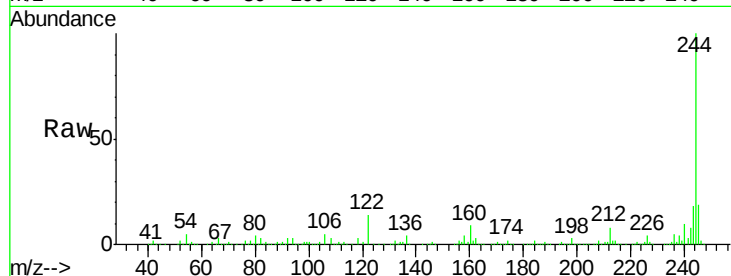




#78
 Terphenyl-d14
 Concen: 91.52 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

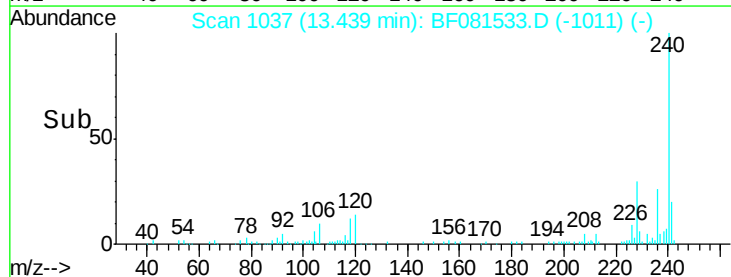
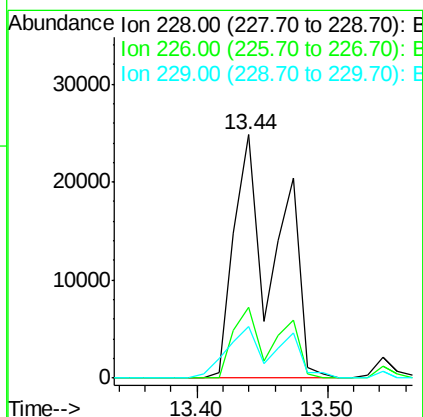
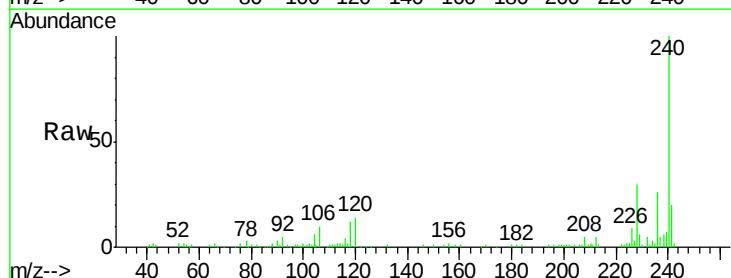
Instrument :
 BNA_F
 ClientSampleId :

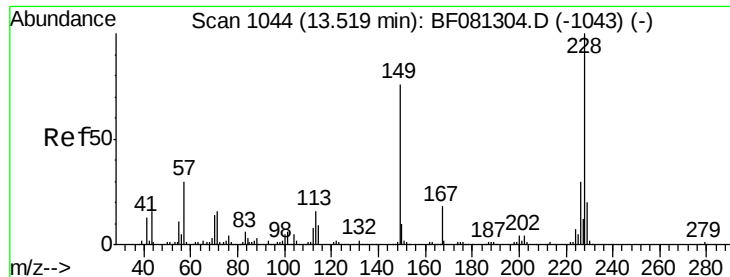
Tot Ion:244 Resp: 459091
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 13.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.56 ng
 RT: 13.44 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Tgt Ion:228 Resp: 56227
 Ion Ratio Lower Upper
 228 100
 226 29.1 20.0 30.0
 229 21.3 15.4 23.2

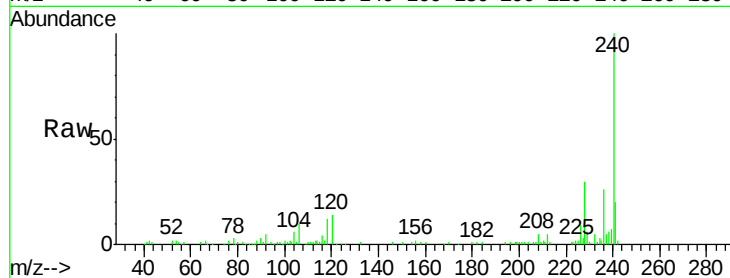




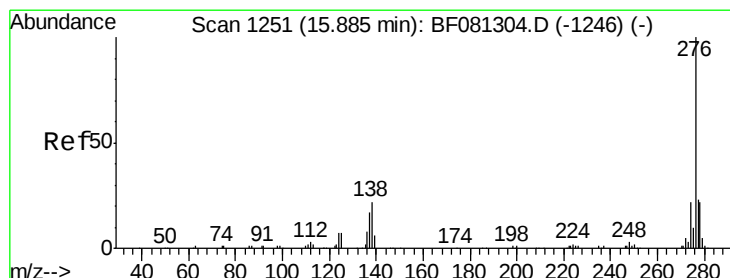
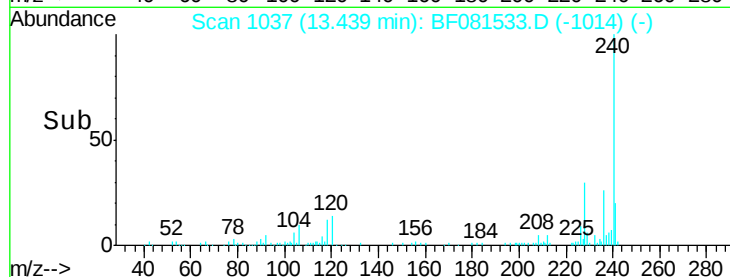
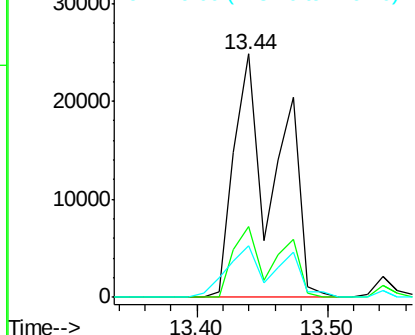
#82
Chrysene
Concen: 8.44 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 56227
Ion Ratio Lower Upper
228 100
226 29.1 21.0 31.4
229 21.3 15.6 23.4

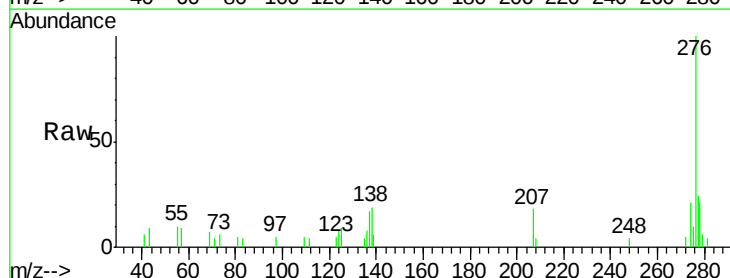


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

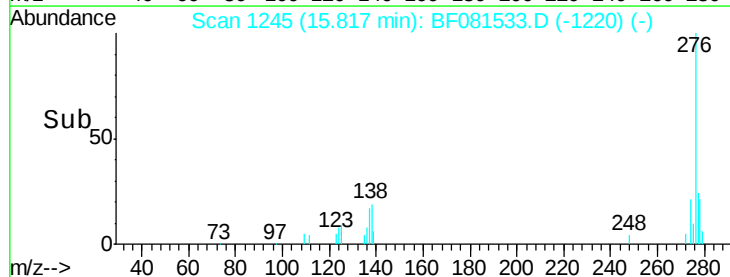
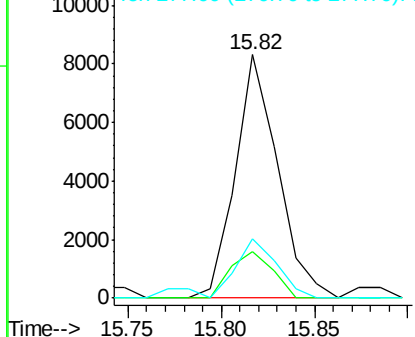


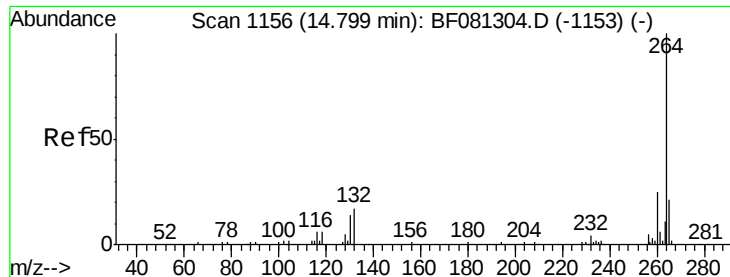
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.70 ng
RT: 15.82 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Tgt Ion:276 Resp: 13199
Ion Ratio Lower Upper
276 100
138 18.8 25.7 38.5#
277 26.5 15.6 23.4#



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

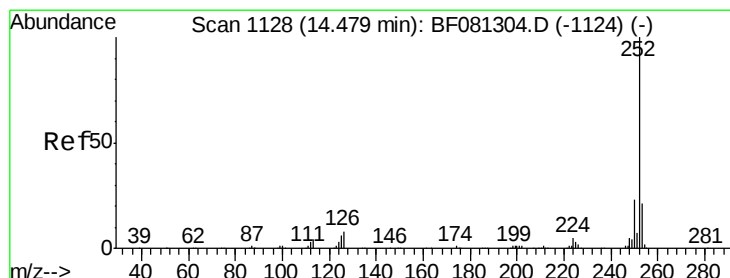
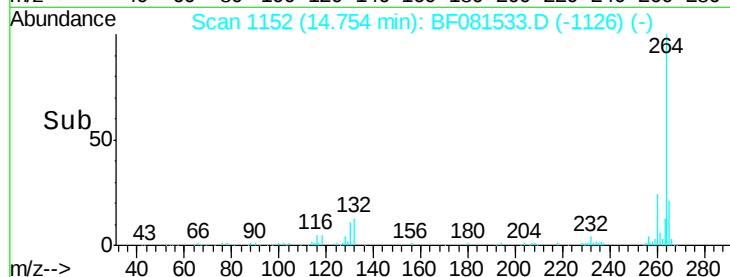
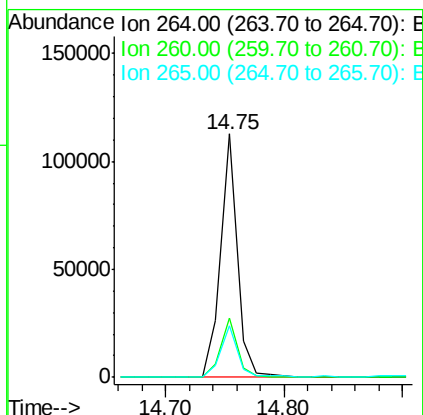
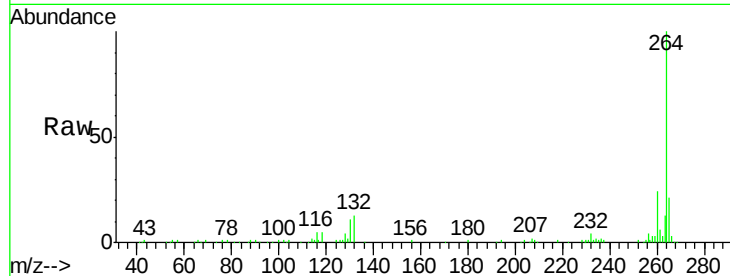




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

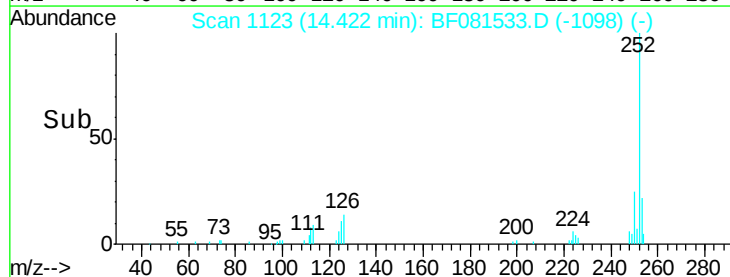
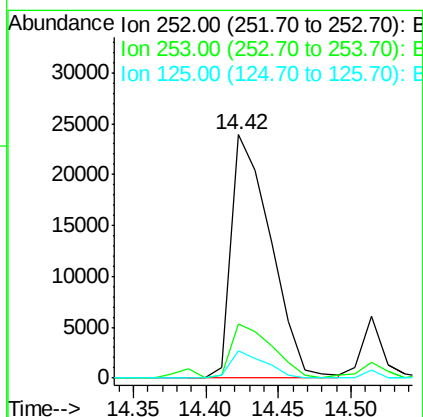
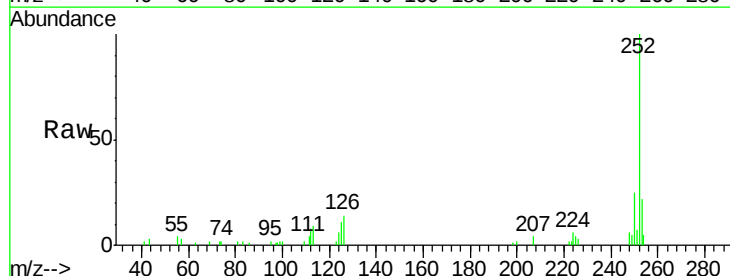
Instrument :
BNA_F
ClientSampleId :

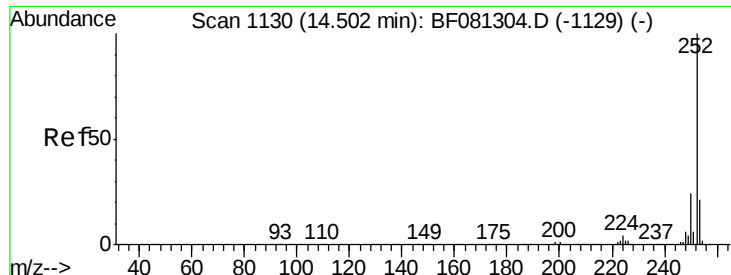
Tot Ion:264 Resp: 109981
Ion Ratio Lower Upper
264 100
260 24.5 16.7 25.1
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.75 ng
RT: 14.42 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Tgt Ion:252 Resp: 45113
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.5 17.1 25.7#

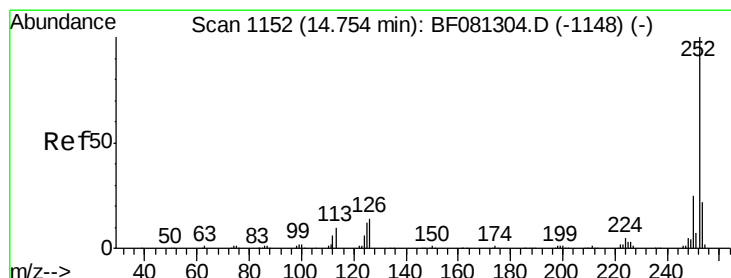
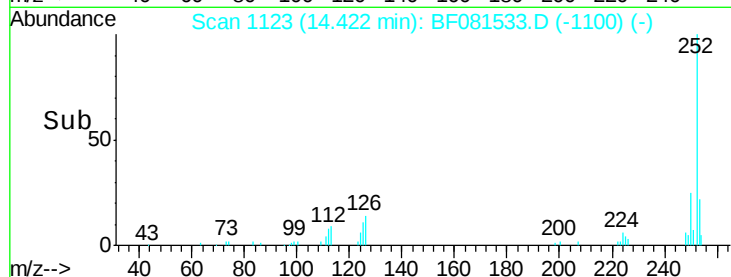
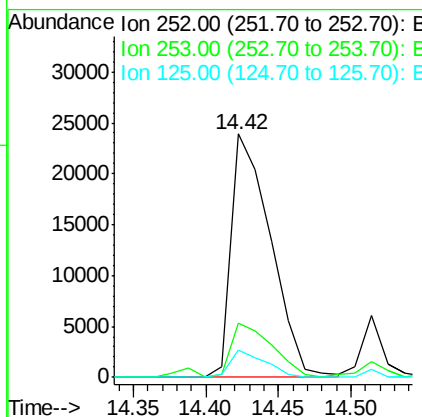
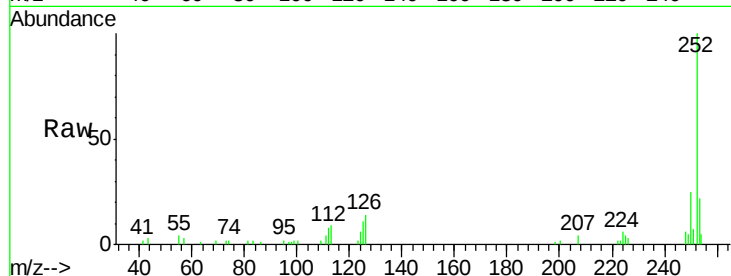




#88
Benzo(k)fluoranthene
Concen: 6.92 ng
RT: 14.42 min Scan# 1123
Delta R.T. -0.03 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

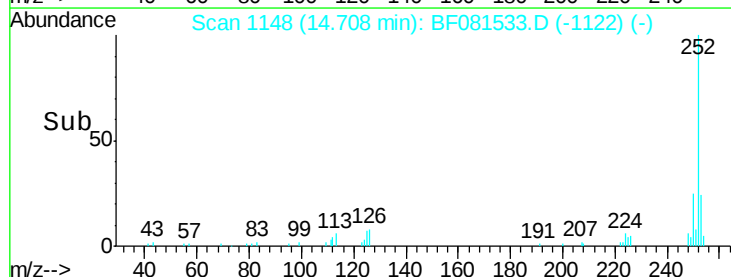
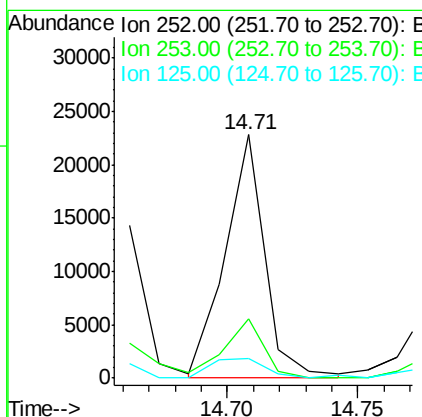
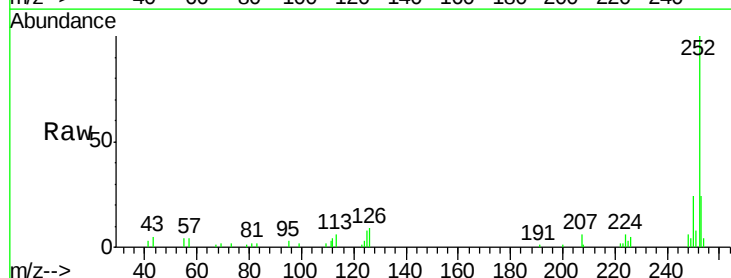
Instrument :
BNA_F
ClientSampleId :

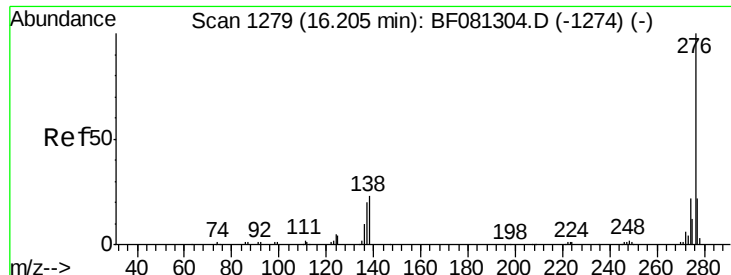
Tot Ion:252 Resp: 45113
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 11.5 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 3.63 ng
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF081533.D
Acq: 8 Sep 2015 20:52

Tgt Ion:252 Resp: 24152
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 8.2 18.0 27.0#





#91
 Benzo(a,h,i)perylene
 Concen: 2.31 ng
 RT: 16.14 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BF081533.D
 Acq: 8 Sep 2015 20:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	11334
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.8	26.6
138	16.2	34.6	51.8#

