

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081133.D
 Acq On : 20 Aug 2015 19:39
 Operator : UM/IZ
 Sample : G3238-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)DL

Quant Time: Aug 21 01:37:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

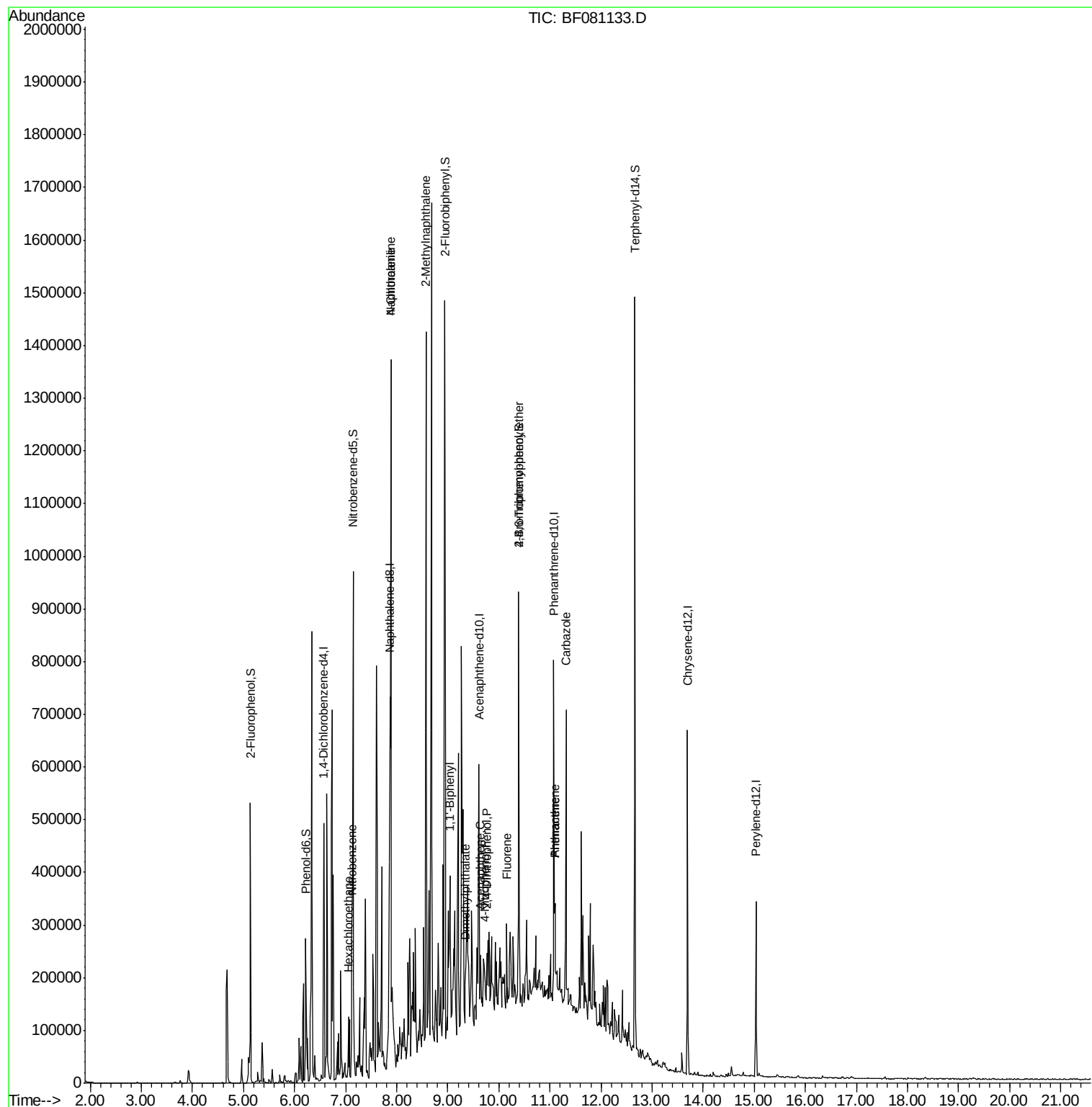
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	64105	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	259371	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	117890	20.00	ng	-0.01
63) Phenanthrene-d10	11.08	188	227195	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	201932	20.00	ng	-0.01
86) Perylene-d12	15.03	264	125746	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	125618	29.47	ng	-0.01
7) Phenol-d6	6.22	99	109135	19.63	ng	-0.01
23) Nitrobenzene-d5	7.14	82	273010	48.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.39	330	62949	61.60	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	375155	41.70	ng	-0.02
78) Terphenyl-d14	12.66	244	417296	44.30	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.05	117	6173	3.08	ng	# 1
24) Nitrobenzene	7.12	77	12724	2.14	ng	# 17
31) Naphthalene	7.89	128	593481	41.05	ng	98
33) 4-Chloroaniline	7.89	127	83629	13.71	ng	# 31
37) 2-Methylnaphthalene	8.57	142	420629	46.06	ng	100
45) 1,1'-Biphenyl	9.04	154	45030	4.34	ng	97
49) Dimethylphthalate	9.34	163	26234	2.70	ng	# 94
51) Acenaphthene	9.64	154	20955	2.35	ng	97
53) 2,4-Dinitrophenol	9.76	184	808	3.48	ng	# 1
55) 4-Nitrophenol	9.72	139	3680	2.01	ng	# 45
57) Fluorene	10.15	166	33499	3.64	ng	# 96
66) 4-Bromophenyl-phenylether	10.39	248	5058	2.27	ng	# 1
70) Phenanthrene	11.10	178	58645	4.36	ng	98
71) Anthracene	11.10	178	58645	4.48	ng	99
72) Carbazole	11.32	167	215812	17.11	ng	99

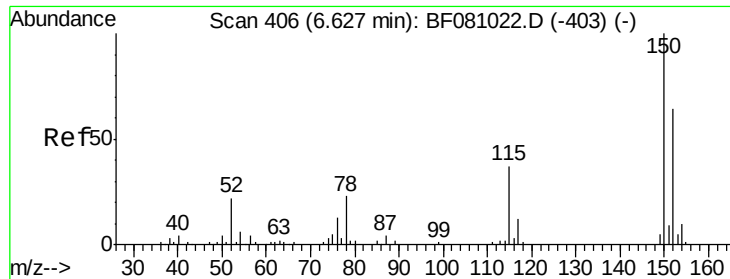
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

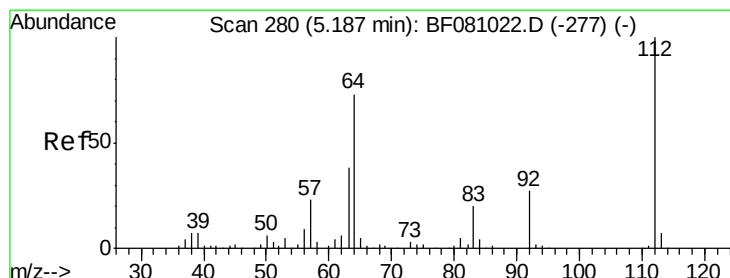
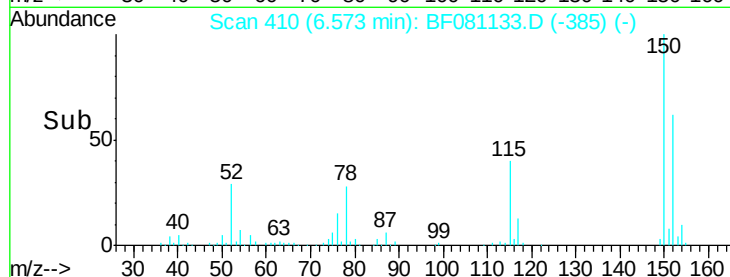
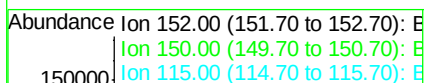
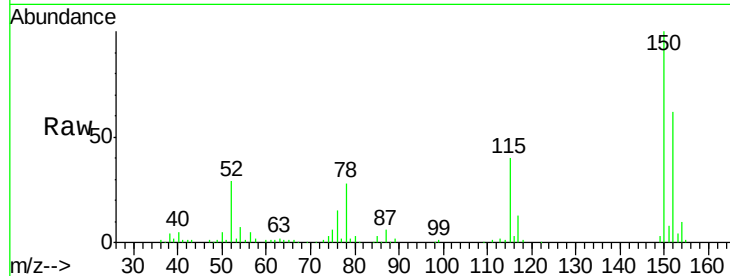
Tot Ion:152 Resp: 64105

Ion Ratio Lower Upper

152 100

150 160.8 123.8 185.6

115 64.8 52.1 78.1



#5

2-Fluorophenol

Concen: 29.47 ng

RT: 5.13 min Scan# 284

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

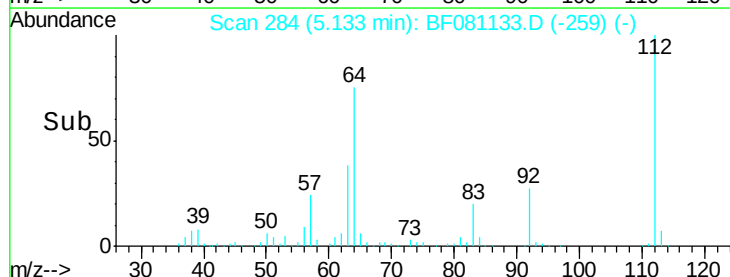
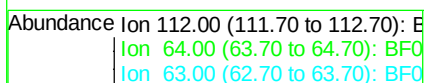
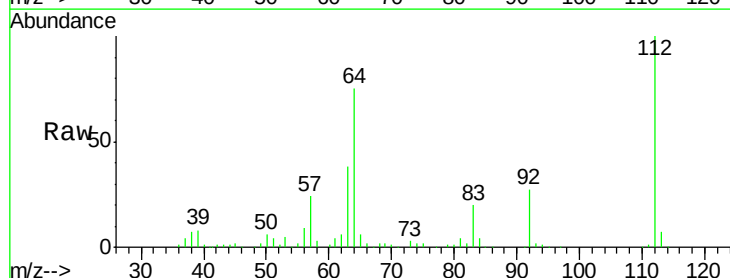
Tgt Ion:112 Resp: 125618

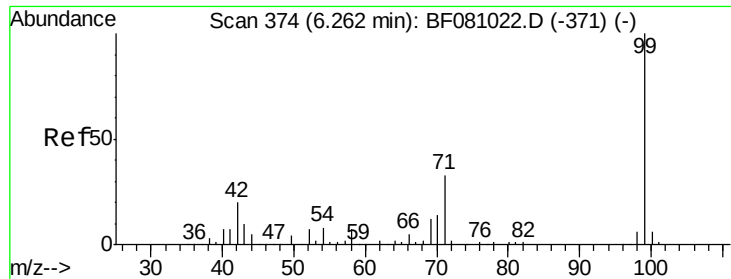
Ion Ratio Lower Upper

112 100

64 74.6 66.9 100.3

63 38.4 38.1 57.1





#7

Phenol-d6

Concen: 19.63 ng

RT: 6.22 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

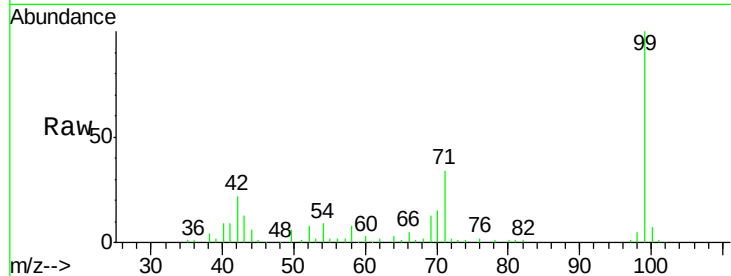
Tot Ion: 99 Resp: 109135

Ion Ratio Lower Upper

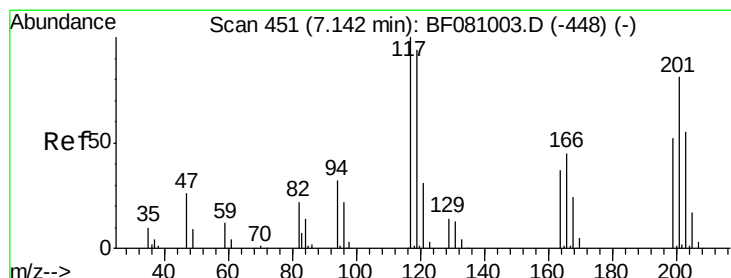
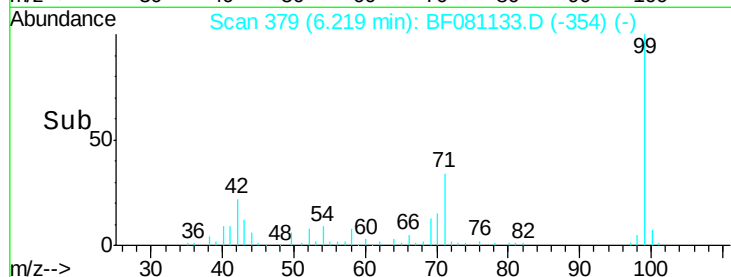
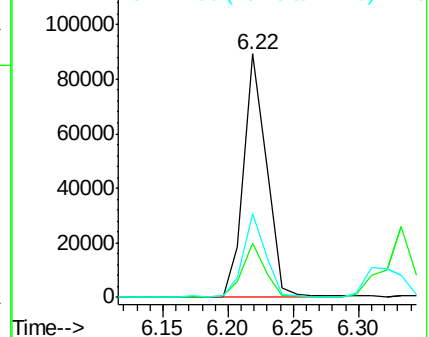
99 100

42 22.4 19.6 29.4

71 34.5 31.2 46.8



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



#18

Hexachloroethane

Concen: 3.08 ng

RT: 7.05 min Scan# 452

Delta R.T. -0.05 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

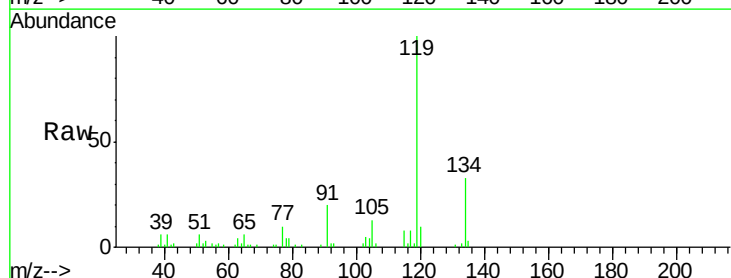
Tgt Ion: 117 Resp: 6173

Ion Ratio Lower Upper

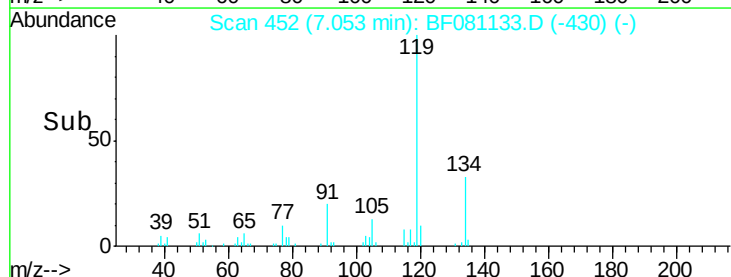
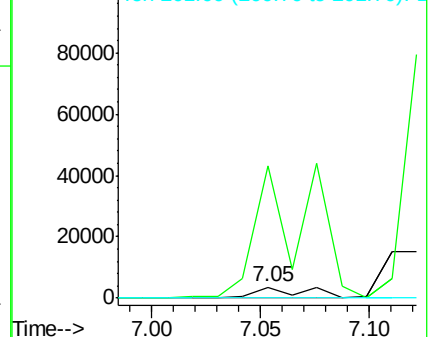
117 100

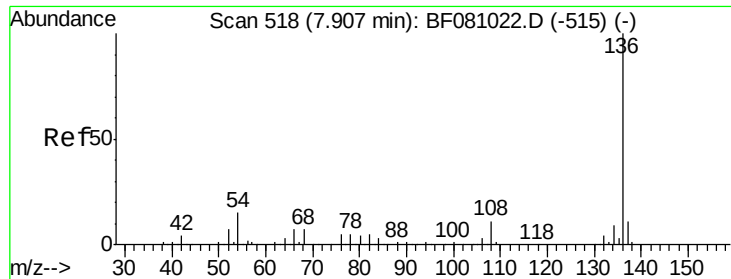
119 1206.5 77.9 116.9#

201 0.0 61.3 91.9#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

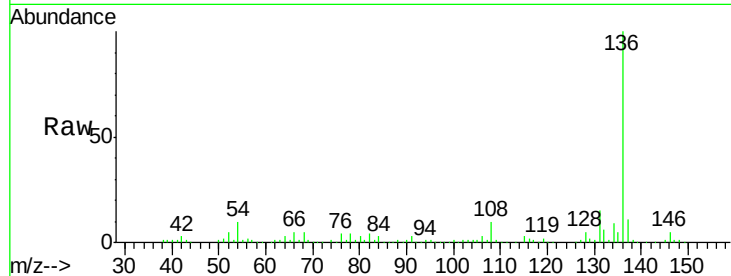




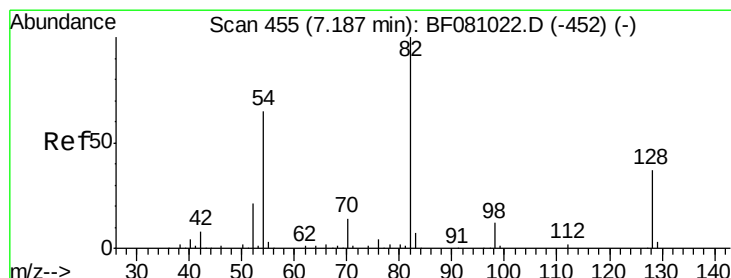
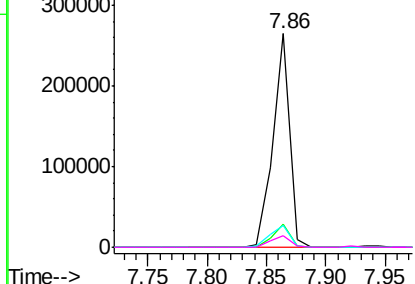
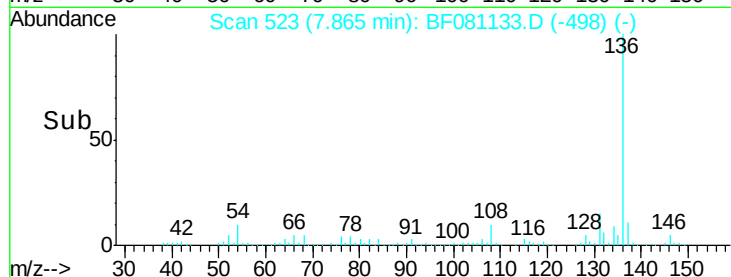
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Instrument :
BNA_F
ClientSampleId :
S-A(2)DL

Tot Ion:136	Resp:	259371
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.2 12.2
54	10.3	7.7 11.5
68	5.4	3.4 5.2#

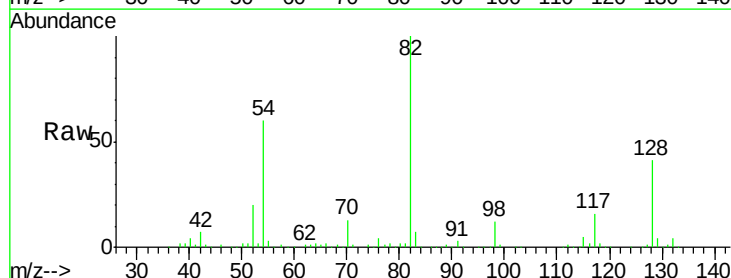


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

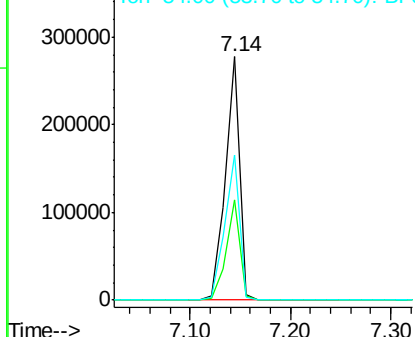
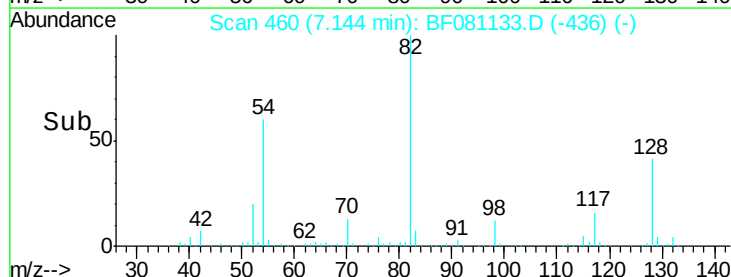


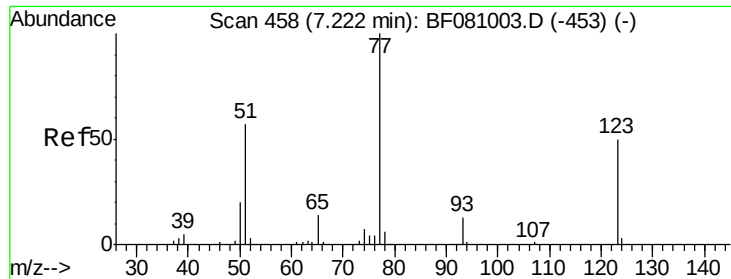
#23
Nitrobenzene-d5
Concen: 48.08 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Tgt Ion: 82	Resp:	273010
Ion Ratio	Lower	Upper
82	100	
128	41.0	28.6 42.8
54	59.6	55.1 82.7



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

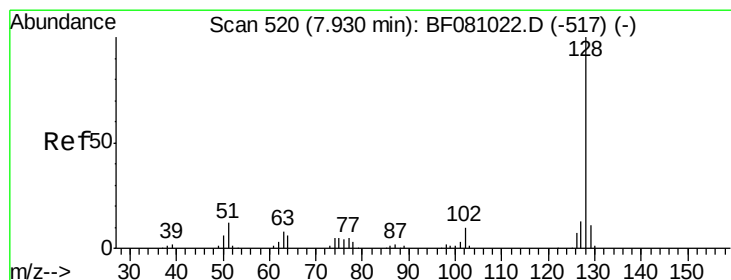
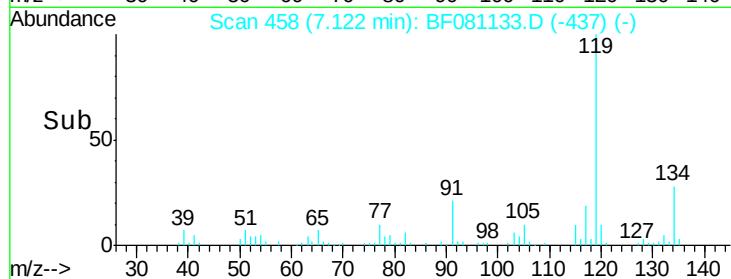
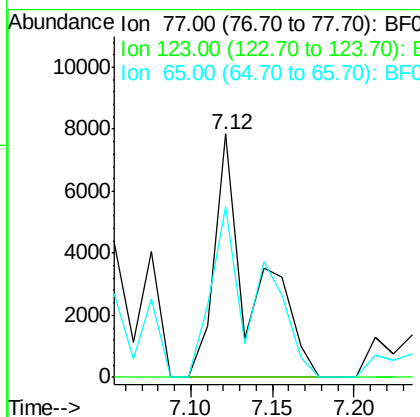
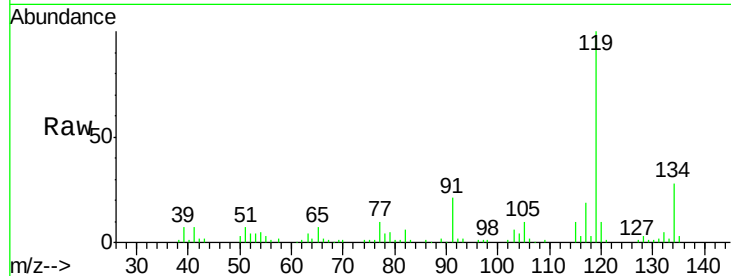




#24
 Nitrobenzene
 Concen: 2.14 ng
 RT: 7.12 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

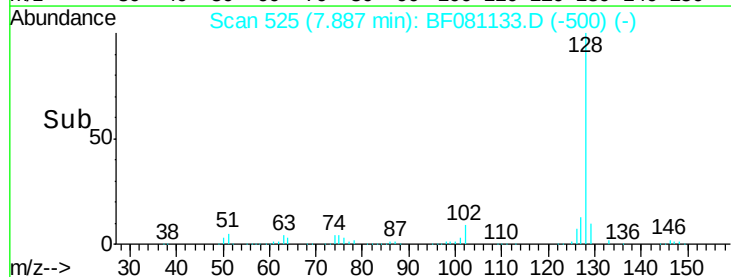
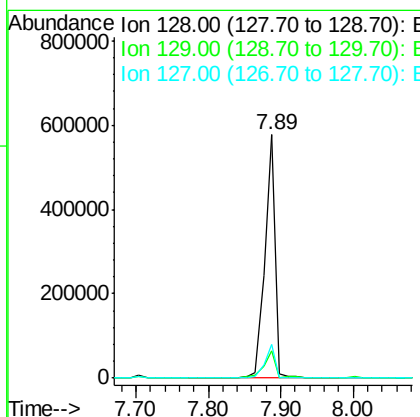
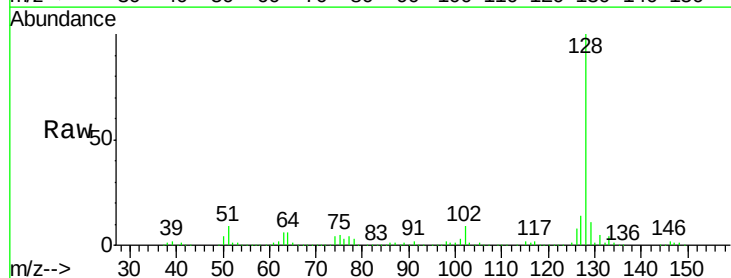
Instrument :
 BNA_F
 ClientSampled :
 S-A(2)DL

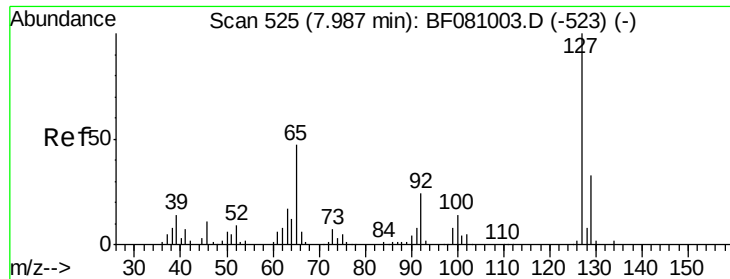
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.9	49.3#
65	69.9	12.5	18.7#



#31
 Naphthalene
 Concen: 41.05 ng
 RT: 7.89 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.4	12.6
127	13.6	10.6	16.0

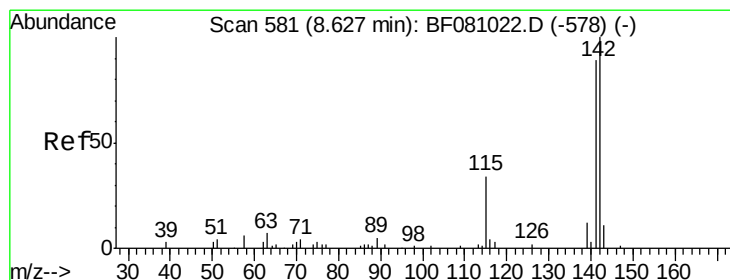
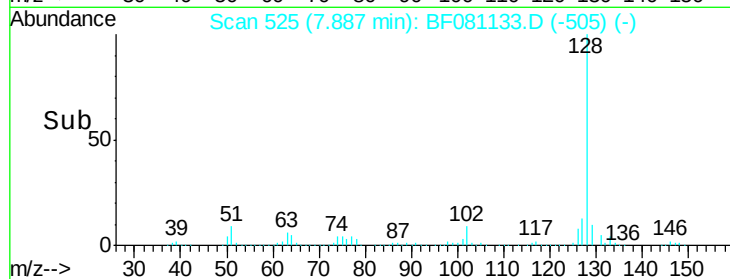
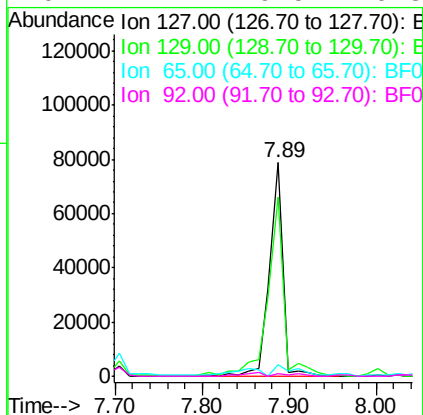
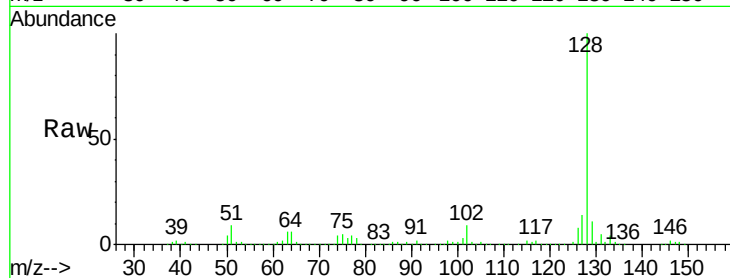




#33
4-Chloroaniline
Concen: 13.71 ng
RT: 7.89 min Scan# 525
Delta R.T. -0.07 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

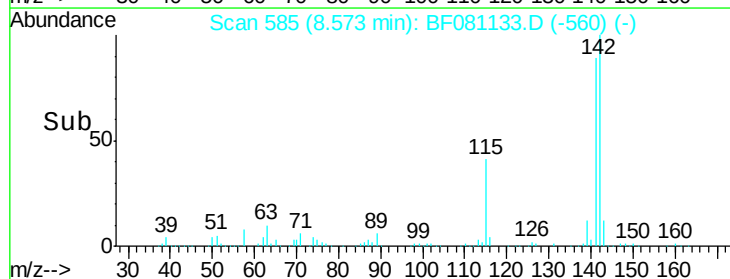
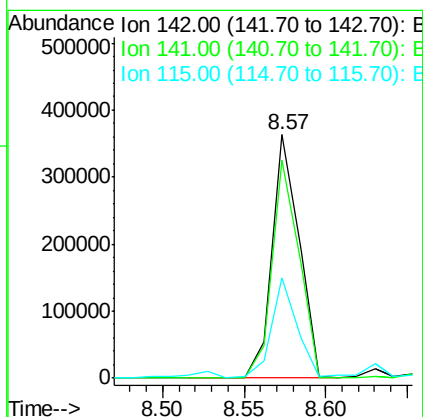
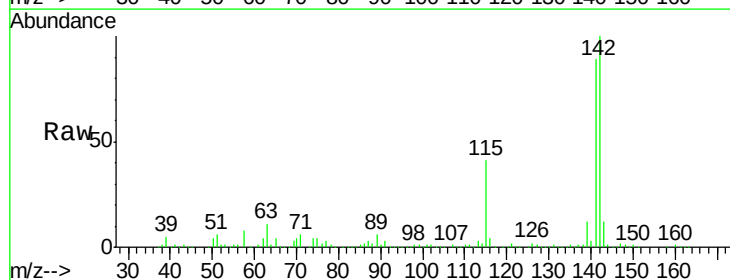
Instrument :
BNA_F
ClientSampleId :
S-A(2)DL

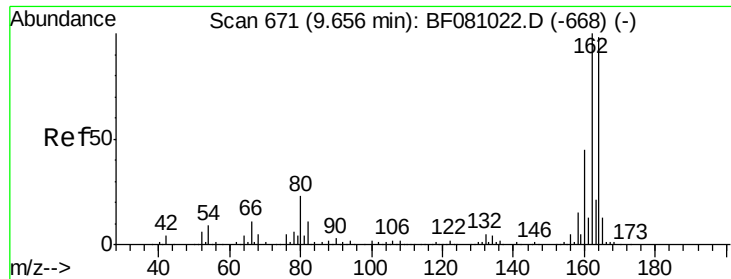
Tot Ion:127	Resp:	83629
Ion Ratio	Lower	Upper
127	100	
129	84.0	25.2 37.8#
65	5.4	37.8 56.6#
92	1.2	19.5 29.3#



#37
2-Methylnaphthalene
Concen: 46.06 ng
RT: 8.57 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Tgt Ion:142	Resp:	420629
Ion Ratio	Lower	Upper
142	100	
141	89.3	71.4 107.2
115	41.1	33.4 50.0

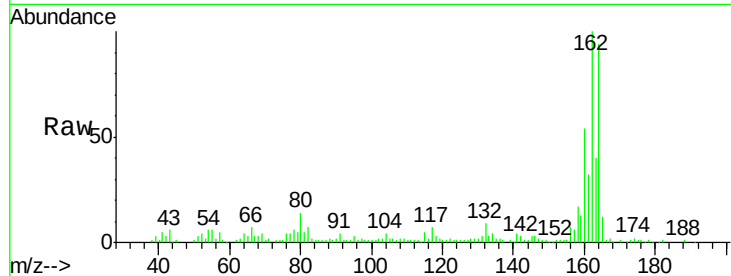




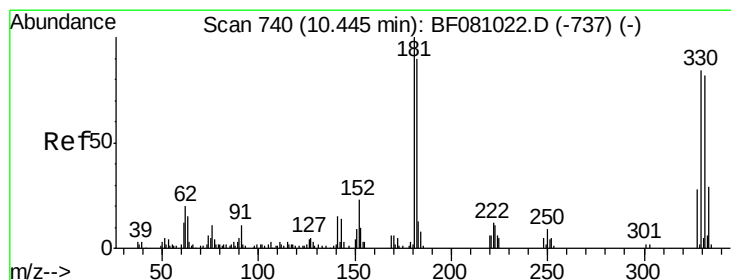
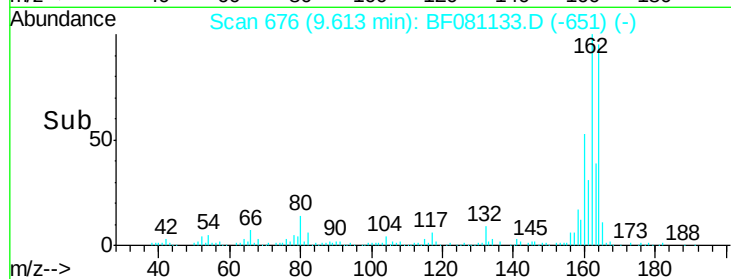
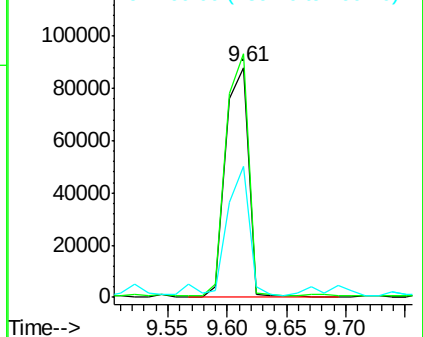
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)DL

Tot Ion:164 Resp: 117890
 Ion Ratio Lower Upper
 164 100
 162 105.8 83.8 125.8
 160 56.9 39.8 59.8

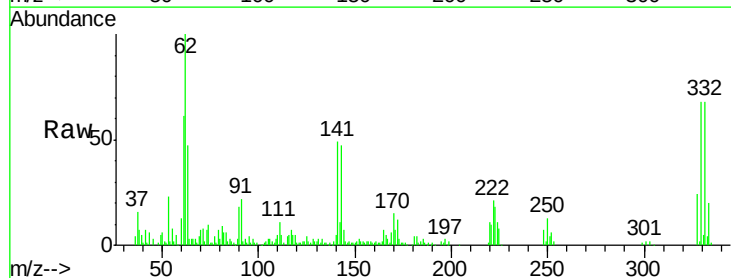


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

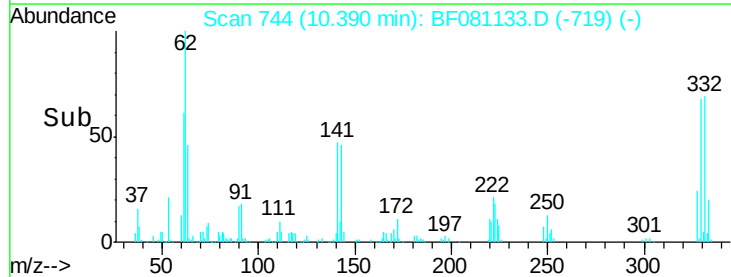
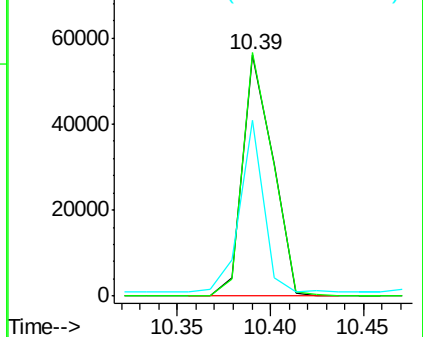


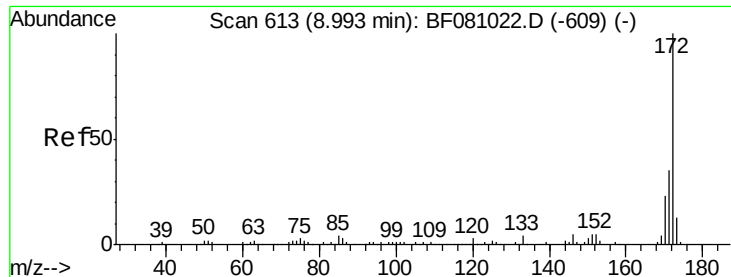
#41
 2,4,6-Tribromophenol
 Concen: 61.60 ng
 RT: 10.39 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

Tgt Ion:330 Resp: 62949
 Ion Ratio Lower Upper
 330 100
 332 100.4 77.3 115.9
 141 56.9 44.9 67.3



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

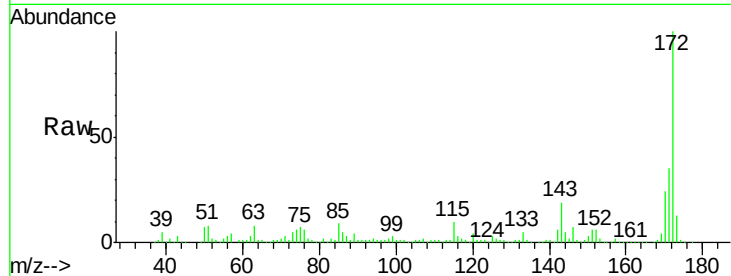




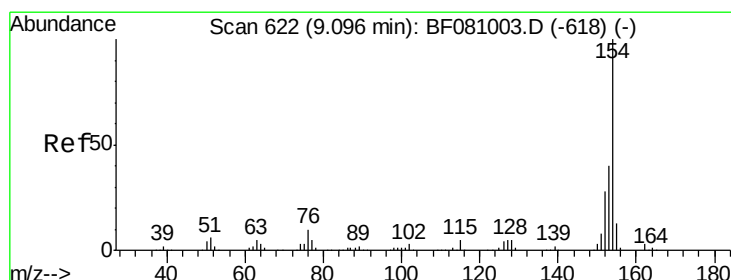
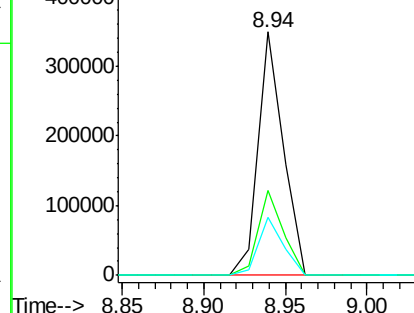
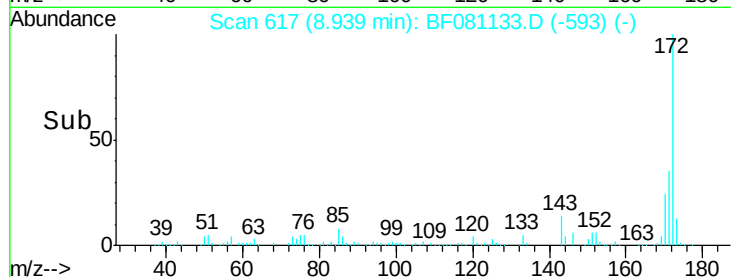
#44
2-Fluorobiphenyl
Concen: 41.70 ng
RT: 8.94 min Scan# 617
Delta R.T. -0.02 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Instrument :
BNA_F
ClientSampleId :
S-A(2)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	24.0	19.4	29.2

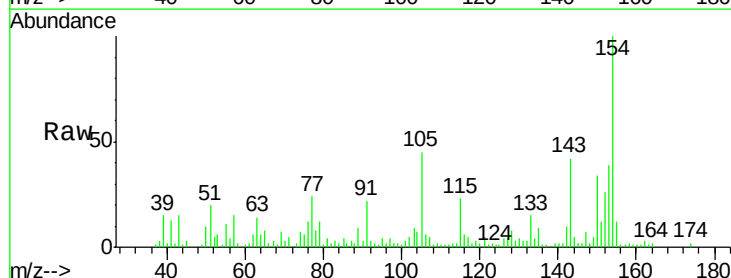


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

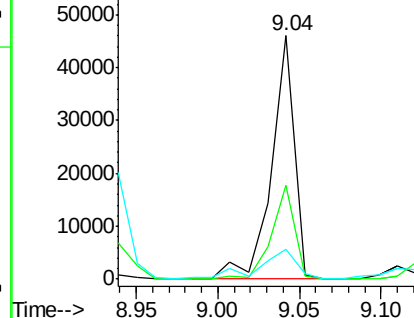
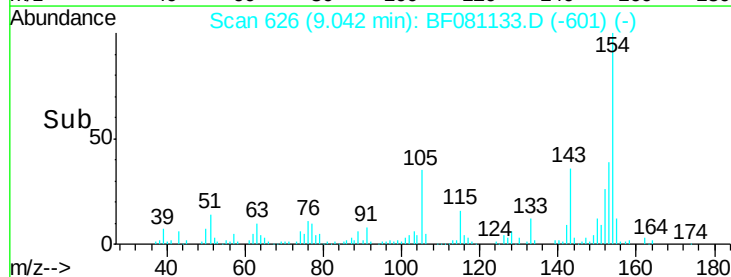


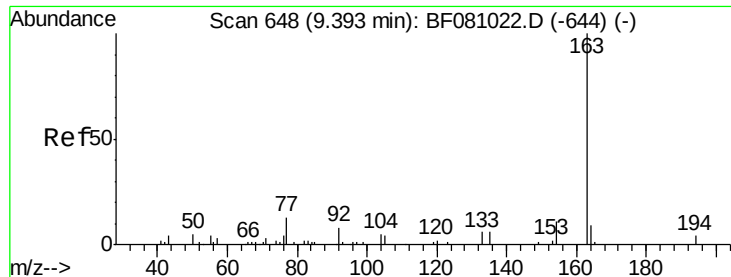
#45
1,1'-Biphenyl
Concen: 4.34 ng
RT: 9.04 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.6	19.5	59.5
76	12.4	0.0	29.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

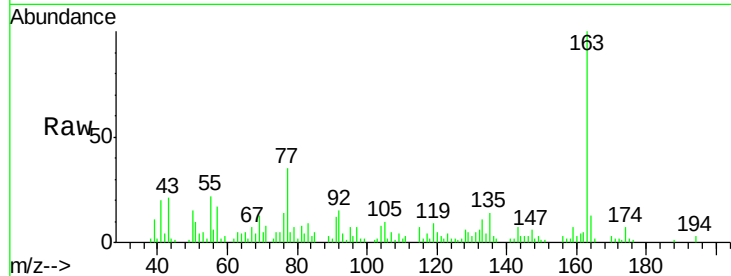




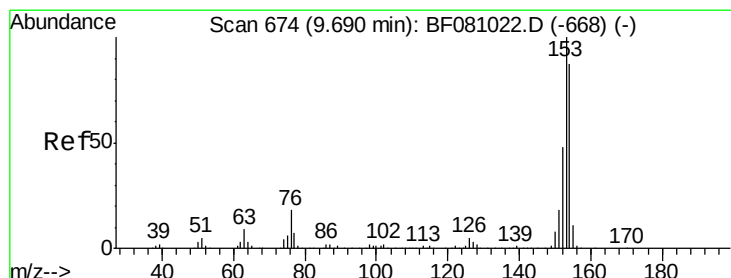
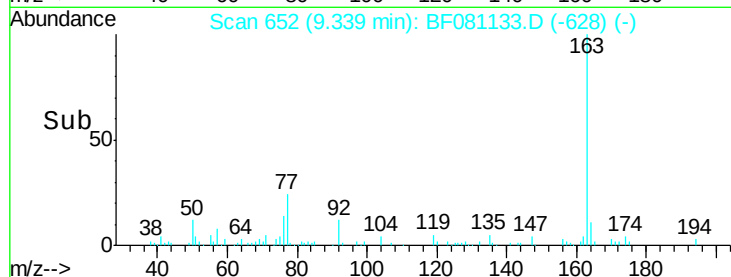
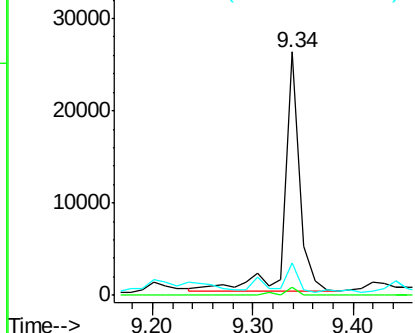
#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.34 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Instrument :
BNA_F
ClientSampleId :
S-A(2)DL

Tot Ion:163 Resp: 26234
Ion Ratio Lower Upper
163 100
194 3.1 2.5 3.7
164 13.2 8.1 12.1#

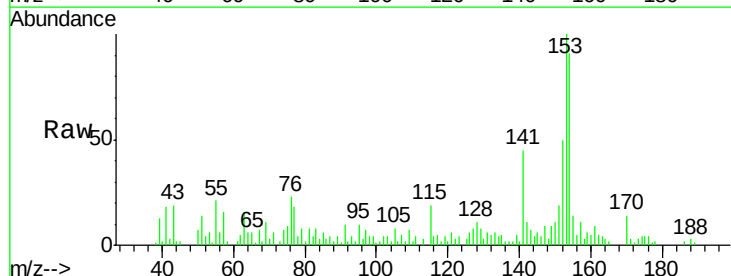


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

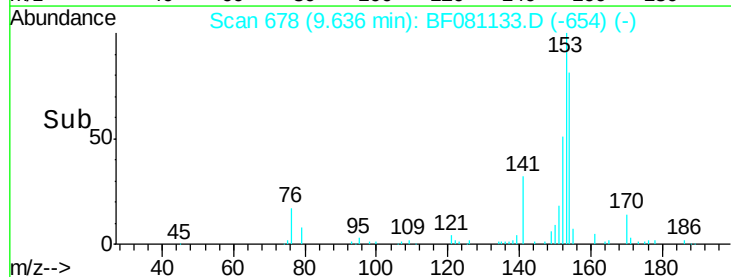
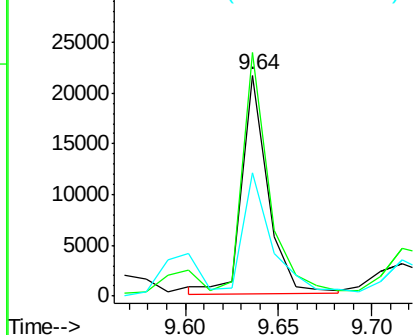


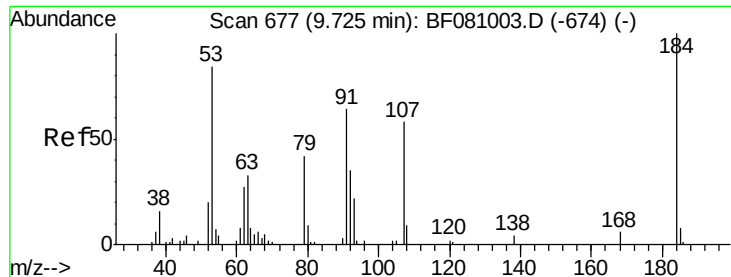
#51
Acenaphthene
Concen: 2.35 ng
RT: 9.64 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Tgt Ion:154 Resp: 20955
Ion Ratio Lower Upper
154 100
153 110.3 91.4 137.2
152 55.6 43.7 65.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

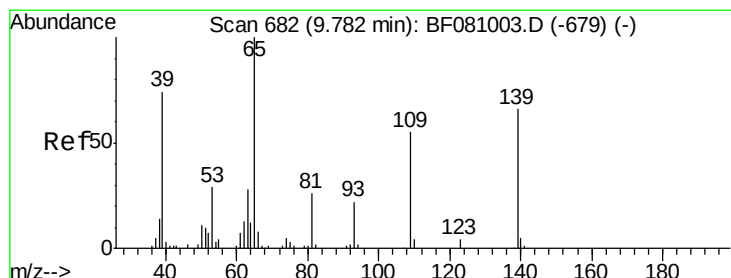
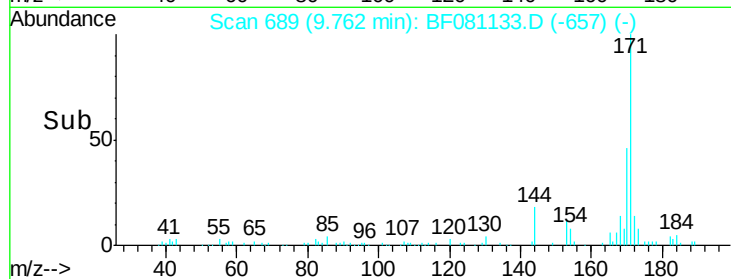
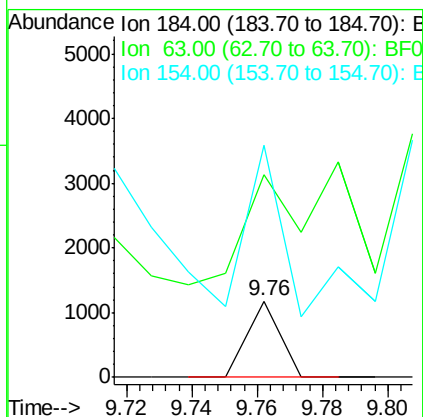
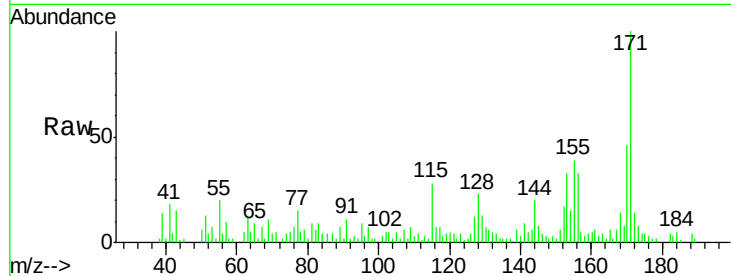




#53
 2,4-Dinitrophenol
 Concen: 3.48 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.07 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

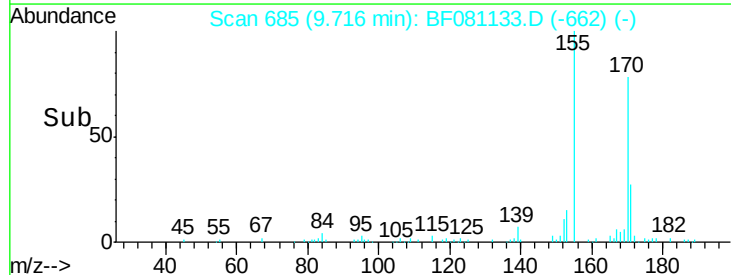
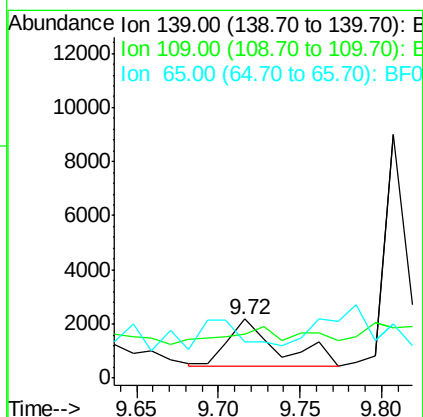
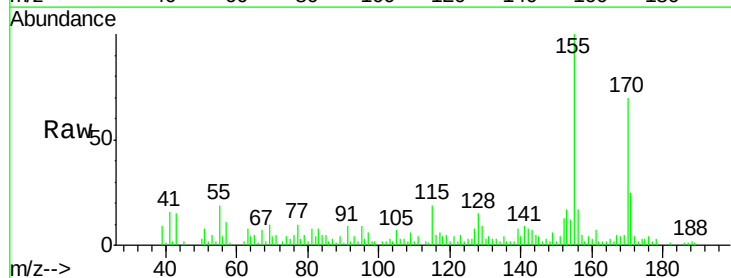
Instrument :
 BNA_F
 ClientSampled :
 S-A(2)DL

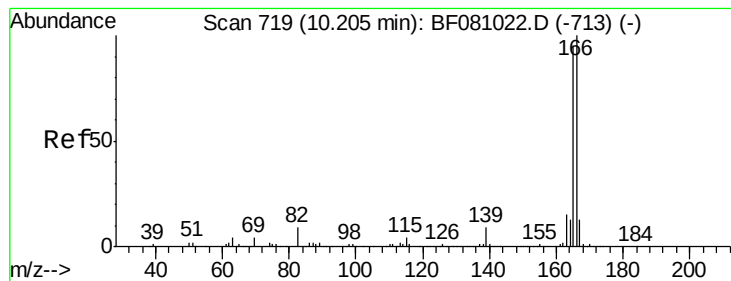
Tot Ion:184 Resp: 808
 Ion Ratio Lower Upper
 184 100
 63 265.8 101.7 152.5#
 154 304.6 67.4 101.0#



#55
 4-Nitrophenol
 Concen: 2.01 ng
 RT: 9.72 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: BF081133.D
 Acq: 20 Aug 2015 19:39

Tgt Ion:139 Resp: 3680
 Ion Ratio Lower Upper
 139 100
 109 73.9 80.0 120.0#
 65 61.3 138.3 178.3#





#57

Fluorene

Concen: 3.64 ng

RT: 10.15 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

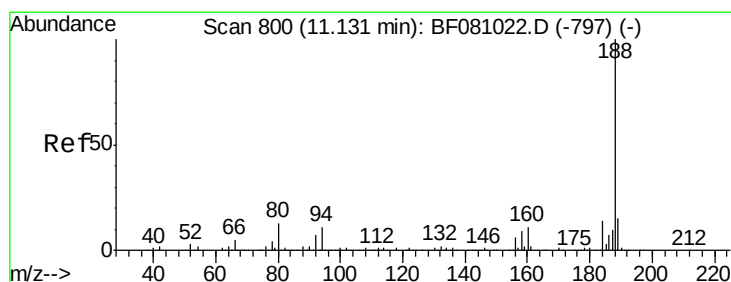
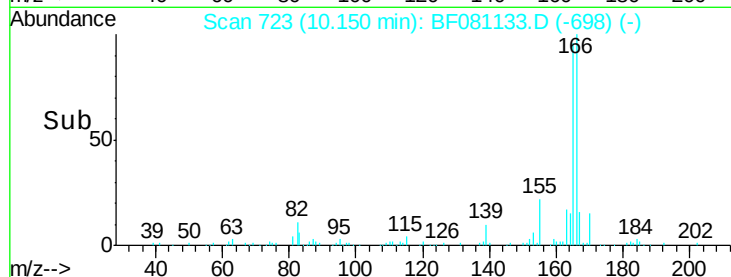
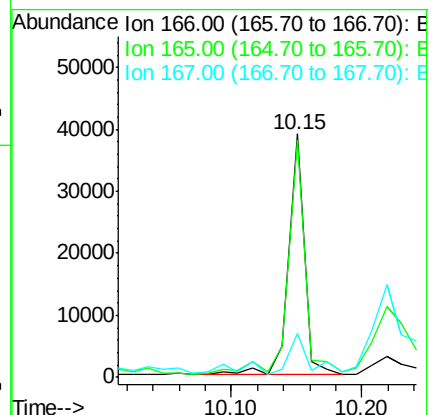
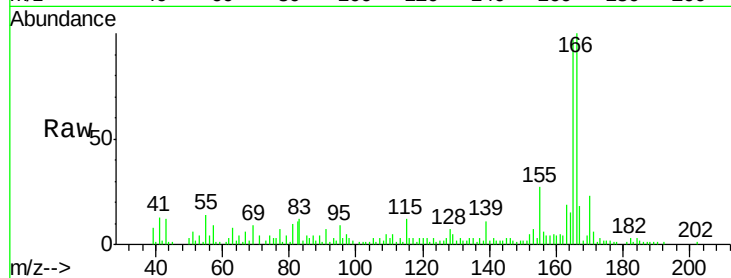
Tot Ion:166 Resp: 33499

Ion Ratio Lower Upper

166 100

165 97.5 75.8 113.8

167 18.2 11.3 16.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

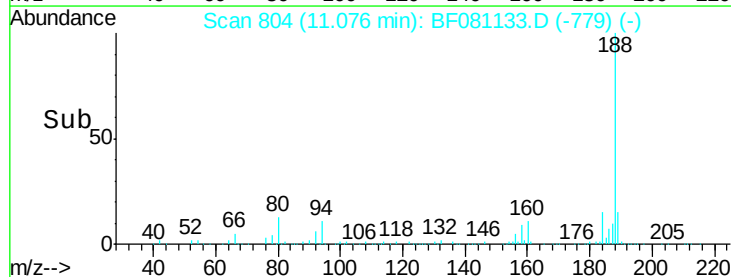
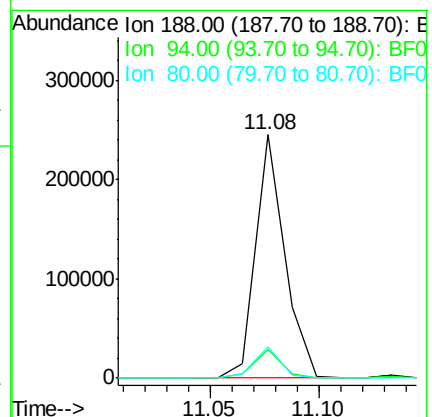
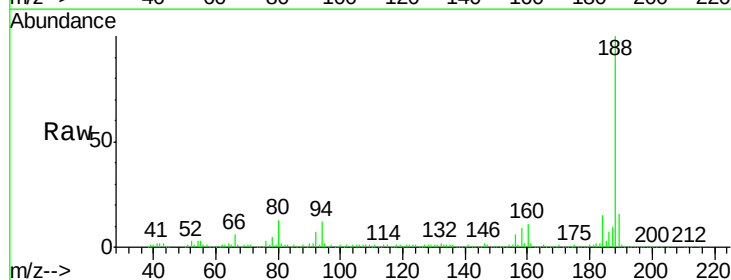
Tgt Ion:188 Resp: 227195

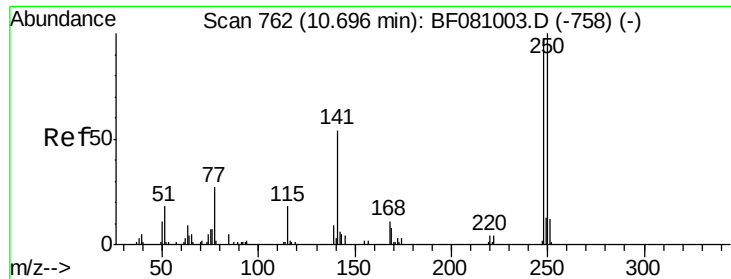
Ion Ratio Lower Upper

188 100

94 11.6 8.2 12.2

80 12.9 9.5 14.3





#66

4-Bromophenyl-phenylether

Concen: 2.27 ng

RT: 10.39 min Scan# 744

Delta R.T. -0.26 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

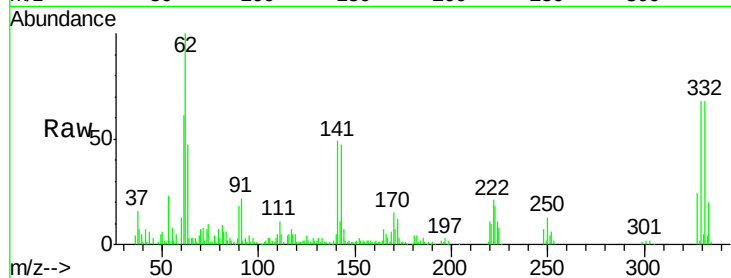
Tot Ion:248 Resp: 5058

Ion Ratio Lower Upper

248 100

250 198.5 77.8 116.6#

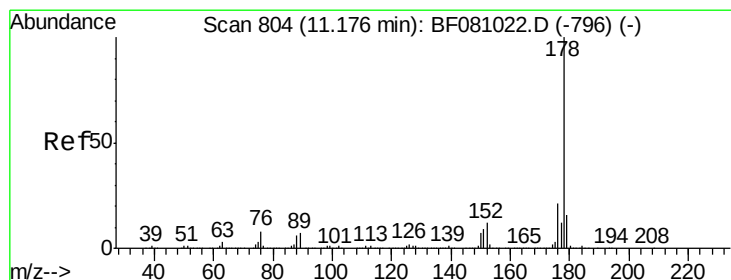
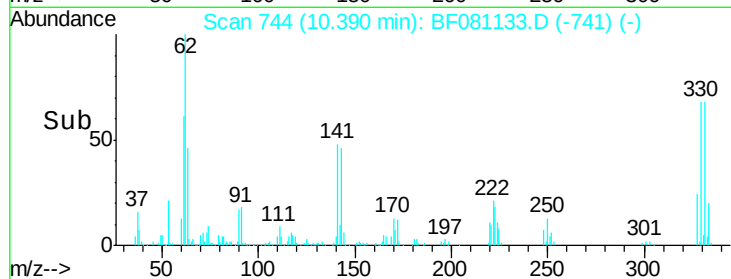
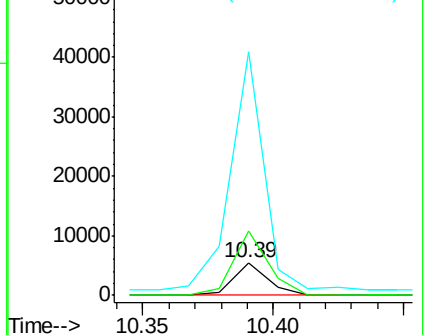
141 750.8 39.8 59.6#



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: 4.36 ng

RT: 11.10 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

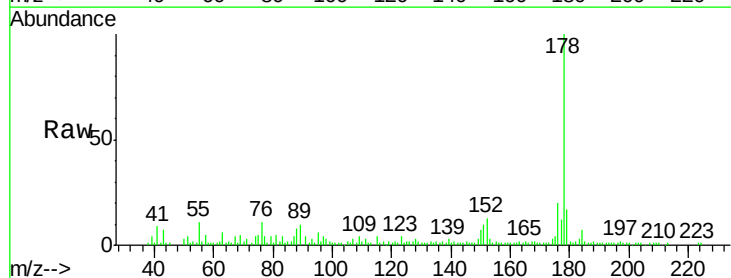
Tgt Ion:178 Resp: 58645

Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

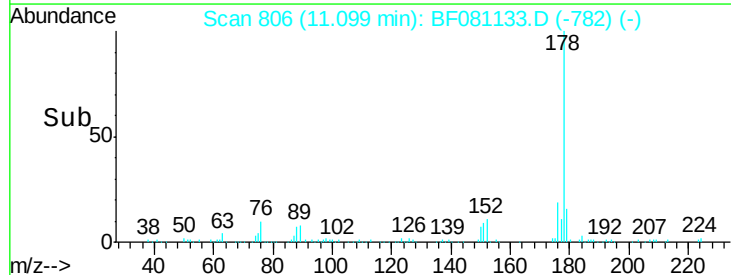
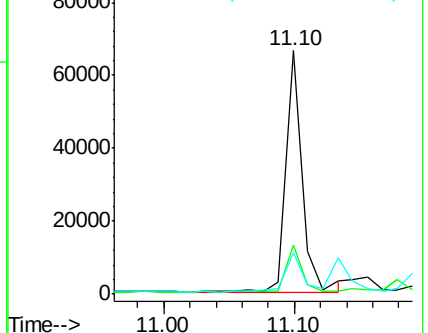
179 16.8 12.2 18.2

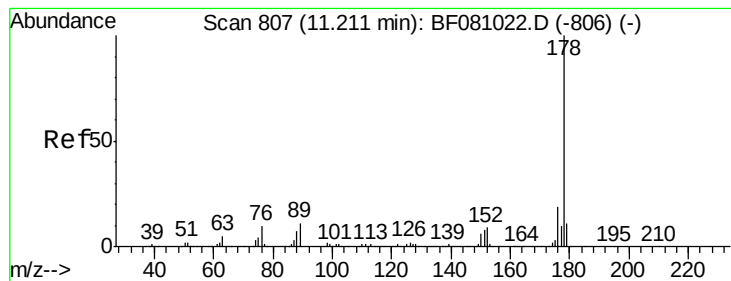


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.48 ng

RT: 11.10 min Scan# 806

Delta R.T. -0.07 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

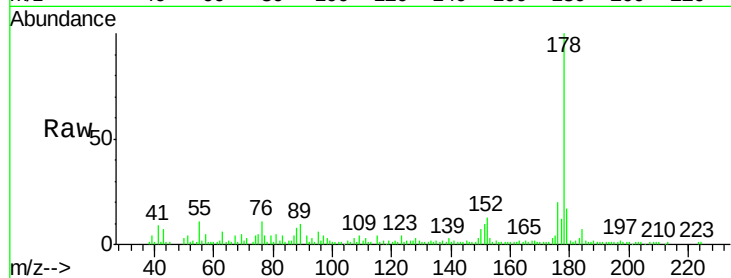
Tot Ion:178 Resp: 58645

Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

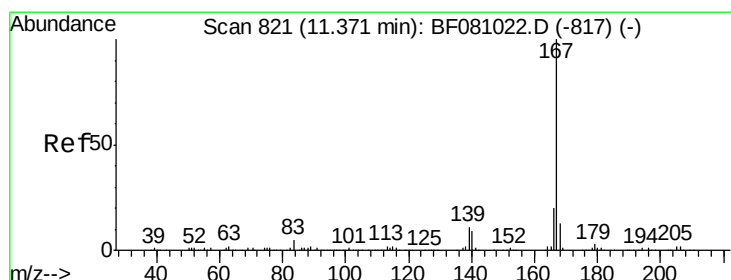
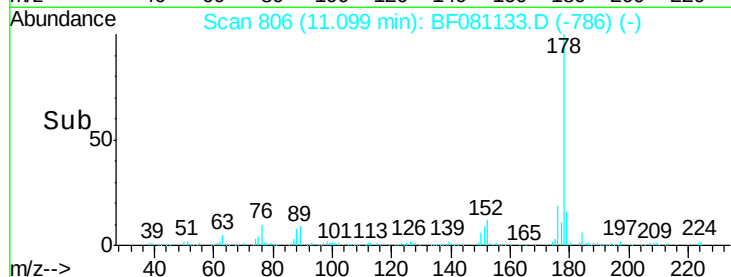
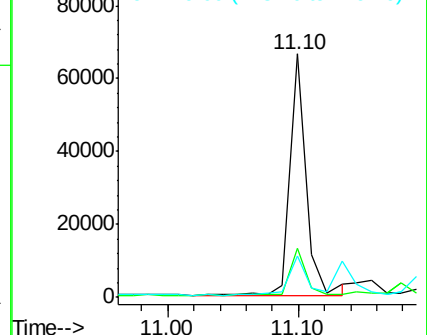
179 16.8 12.7 19.1



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: 17.11 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

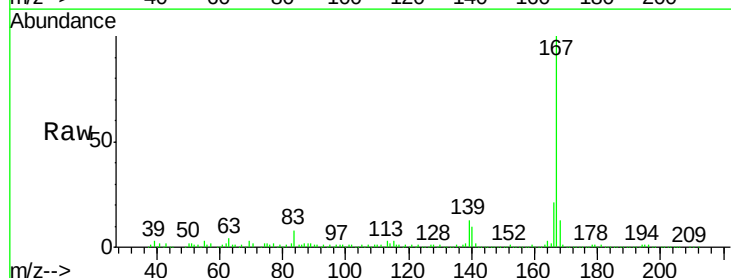
Tgt Ion:167 Resp: 215812

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

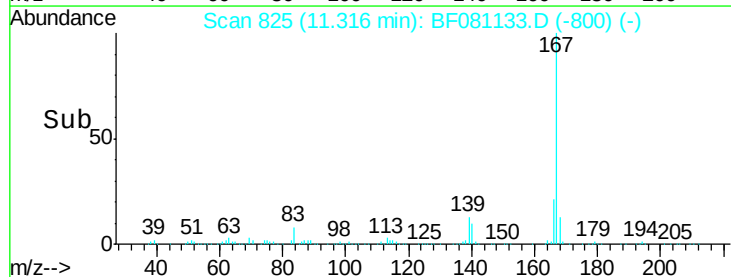
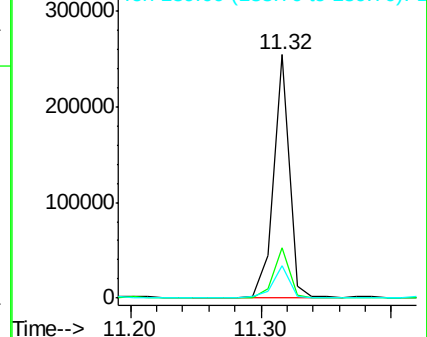
139 13.1 10.6 16.0

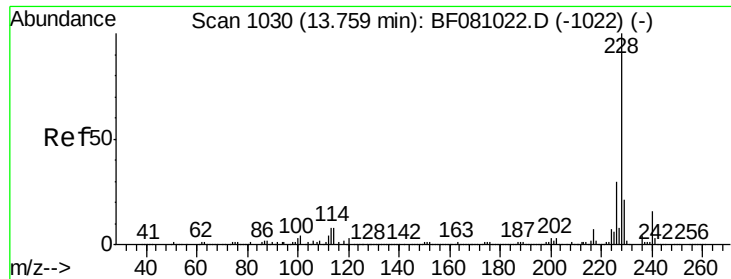


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

Instrument :

BNA_F

ClientSampleId :

S-A(2)DL

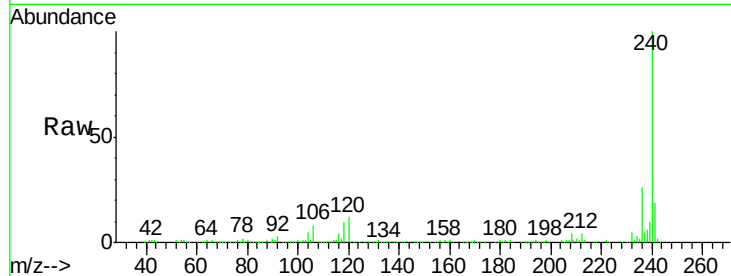
Tot Ion:240 Resp: 201932

Ion Ratio Lower Upper

240 100

120 11.6 5.6 8.4#

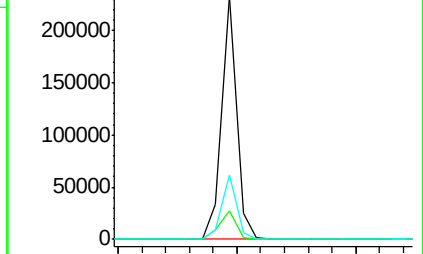
236 26.4 20.6 30.8



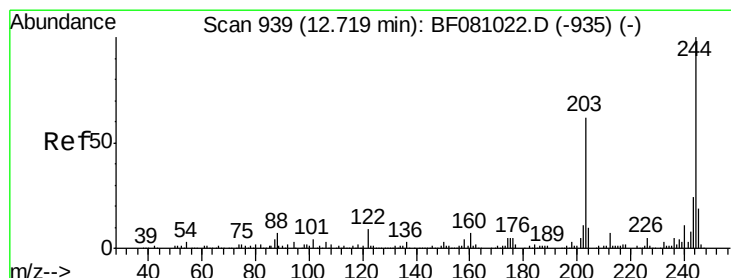
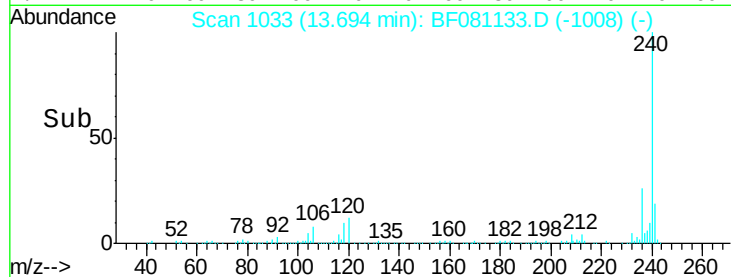
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.60 13.70 13.80



#78

Terphenyl-d14

Concen: 44.30 ng

RT: 12.66 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF081133.D

Acq: 20 Aug 2015 19:39

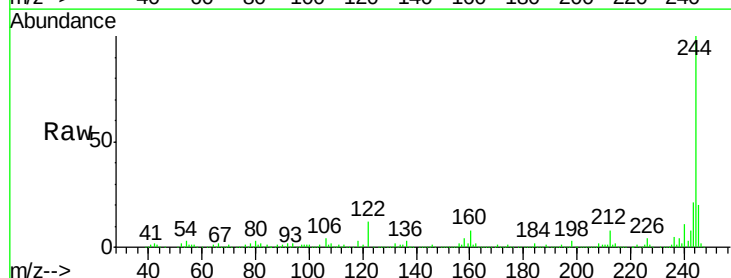
Tgt Ion:244 Resp: 417296

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

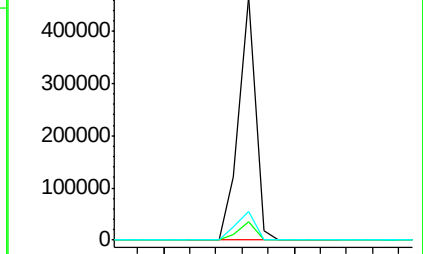
122 11.8 8.2 12.4



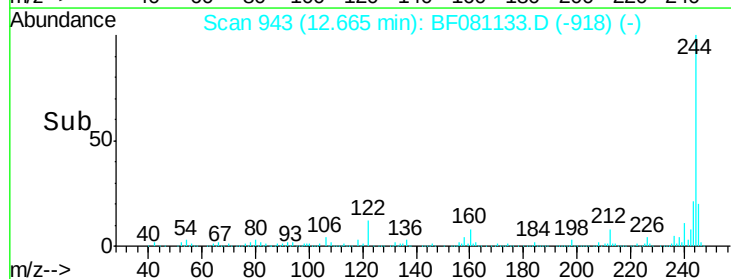
Abundance Ion 244.00 (243.70 to 244.70): E

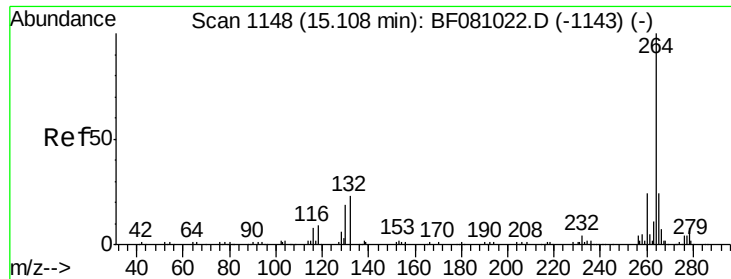
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.60 12.70





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF081133.D
Acq: 20 Aug 2015 19:39

Instrument :
BNA_F
ClientSampleId :
S-A(2)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	21.6	17.5	26.3

