

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033015\
 Data File : BF078083.D
 Acq On : 30 Mar 2015 15:59
 Operator : TP/IZ
 Sample : G1672-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 16:39:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 28 05:37:34 2015
 Response via : Initial Calibration

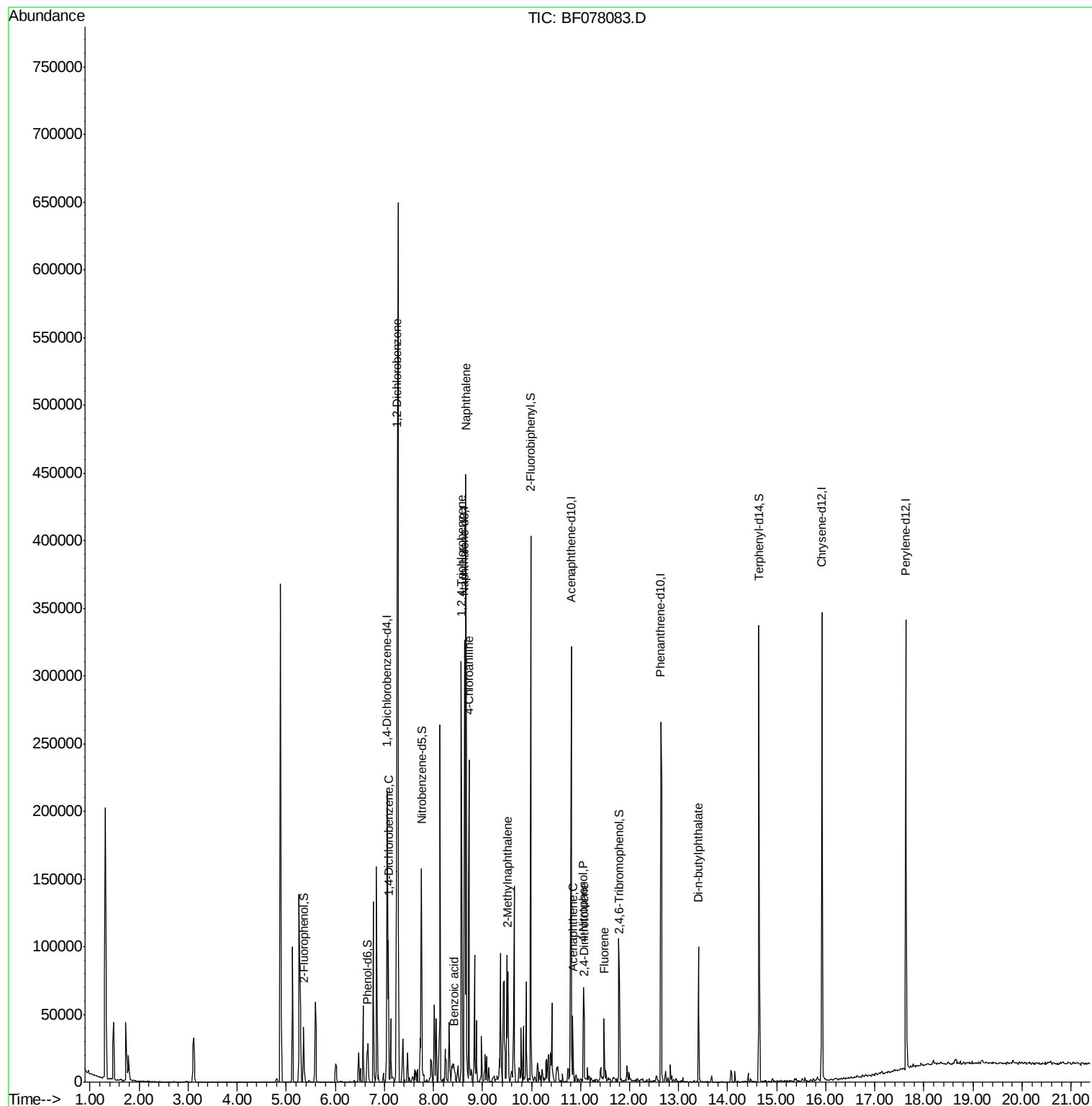
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	33370	20.00	ng	-0.01
21) Naphthalene-d8	8.64	136	141870	20.00	ng	-0.01
38) Acenaphthene-d10	10.81	164	73187	20.00	ng	-0.01
63) Phenanthrene-d10	12.64	188	142602	20.00	ng	-0.02
75) Chrysene-d12	15.92	240	160584	20.00	ng	-0.01
86) Perylene-d12	17.63	264	157007	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	19158	10.02	ng	-0.01
7) Phenol-d6	6.66	99	14193	6.01	ng	-0.01
23) Nitrobenzene-d5	7.76	82	42049	19.43	ng	-0.02
41) 2,4,6-Tribromophenol	11.79	330	15098	21.56	ng	-0.01
44) 2-Fluorobiphenyl	9.98	172	100424	20.17	ng	-0.01
78) Terphenyl-d14	14.64	244	121758	18.52	ng	-0.01
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.08	146	25035	9.52	ng	96
14) 1,2-Dichlorobenzene	7.26	146	96165	39.89	ng	97
30) 1,2,4-Trichlorobenzene	8.57	180	68410	30.84	ng	98
31) Naphthalene	8.66	128	247474	33.96	ng	99
32) Benzoic acid	8.43	122	3116	5.61	ng	# 13
33) 4-Chloroaniline	8.73	127	84462	28.56	ng	98
37) 2-Methylnaphthalene	9.52	142	37091	7.58	ng	99
51) Acenaphthene	10.84	154	11295	2.49	ng	99
55) 4-Nitrophenol	11.06	139	3766	3.89	ng	# 31
56) 2,4-Dinitrotoluene	11.07	165	11610	7.91	ng	# 63
57) Fluorene	11.48	166	13853	2.48	ng	# 96
73) Di-n-butylphthalate	13.40	149	60959	7.07	ng	100

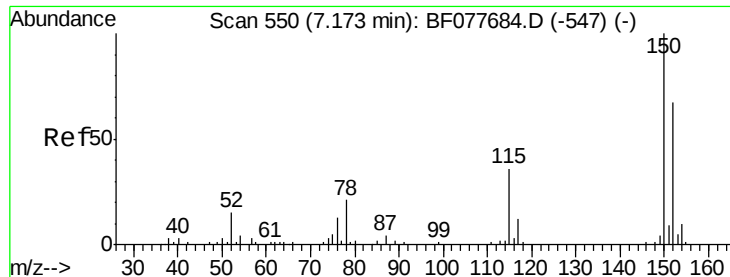
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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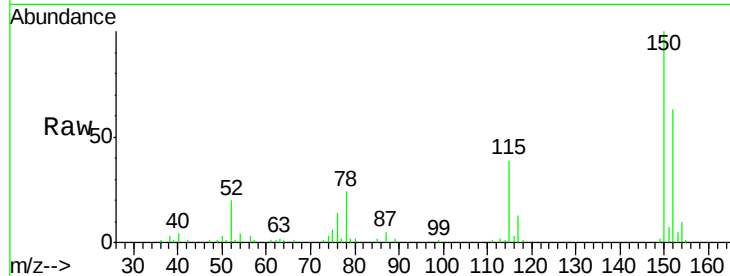


#1

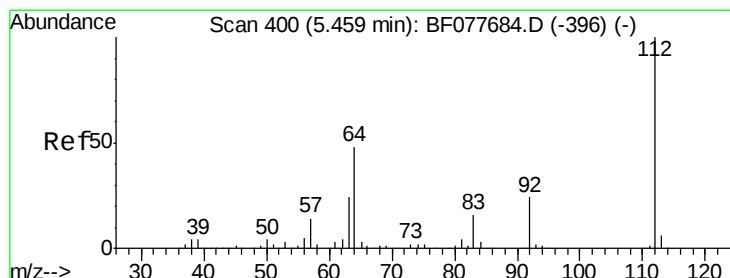
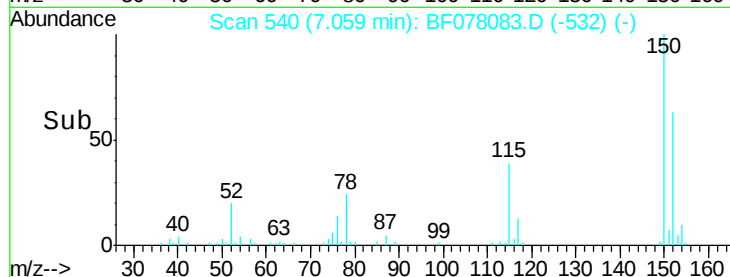
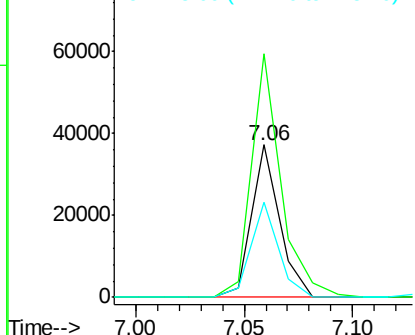
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.06 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 33370
Ion Ratio Lower Upper
152 100
150 159.7 119.5 179.3
115 62.1 43.0 64.4



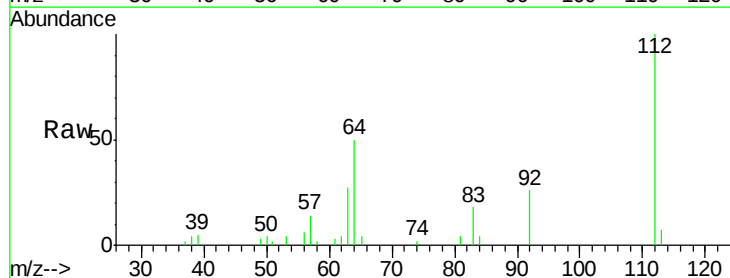
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



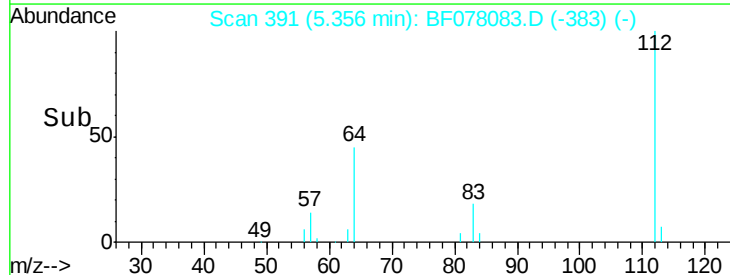
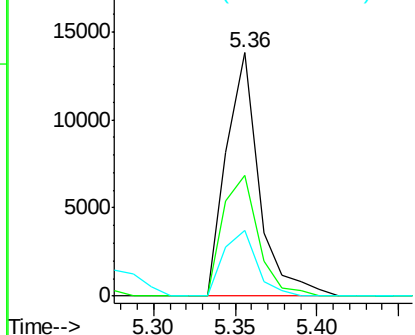
#5

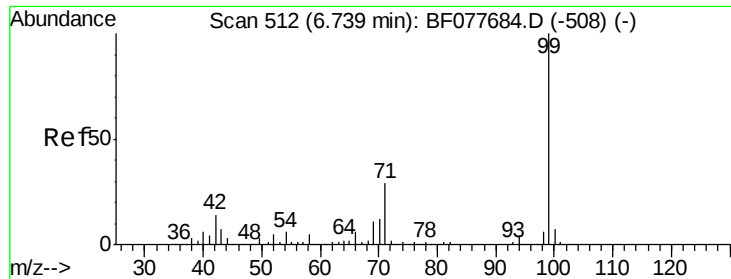
2-Fluorophenol
Concen: 10.02 ng
RT: 5.36 min Scan# 391
Delta R.T. -0.01 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Tgt Ion:112 Resp: 19158
Ion Ratio Lower Upper
112 100
64 49.8 38.6 57.8
63 27.0 19.3 28.9



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: 6.01 ng

RT: 6.66 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

Instrument :

BNA_F

ClientSampleId :

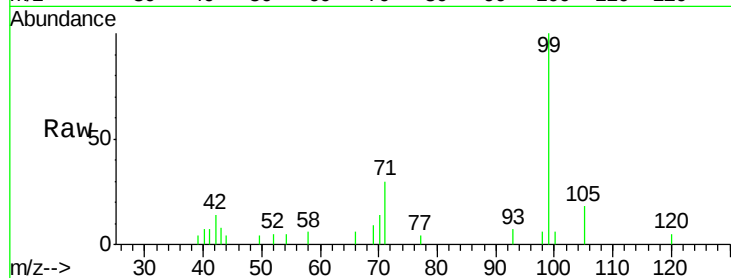
Tot Ion: 99 Resp: 14193

Ion Ratio Lower Upper

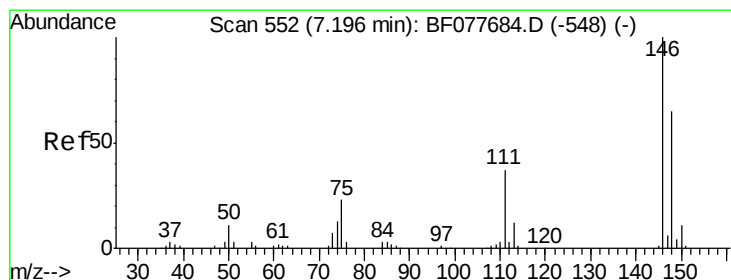
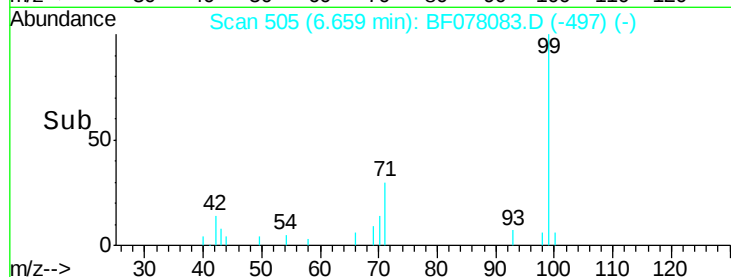
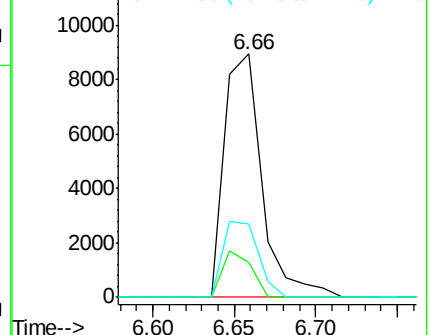
99 100

42 14.3 11.0 16.4

71 29.9 23.4 35.2



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



#13

1,4-Dichlorobenzene

Concen: 9.52 ng

RT: 7.08 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

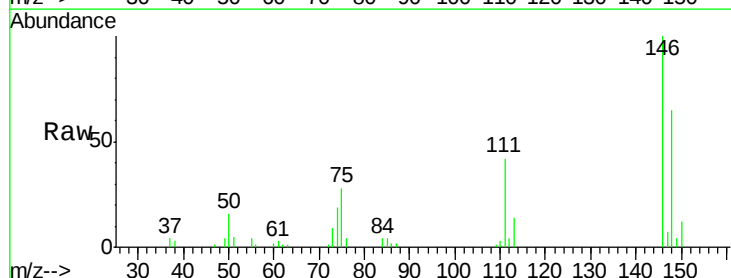
Tgt Ion: 146 Resp: 25035

Ion Ratio Lower Upper

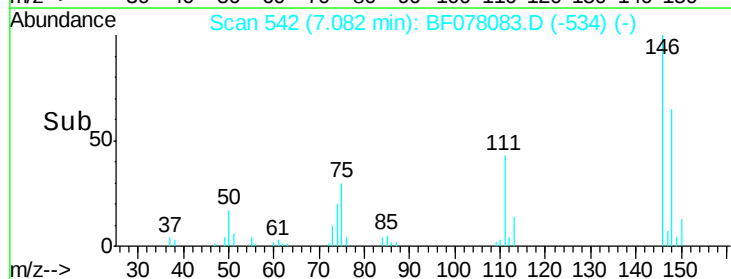
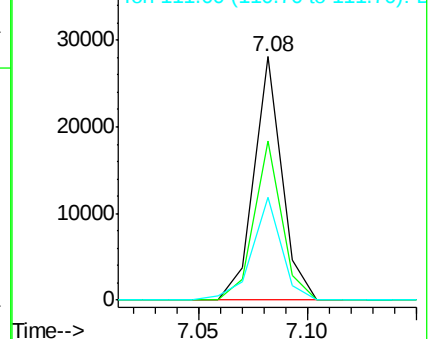
146 100

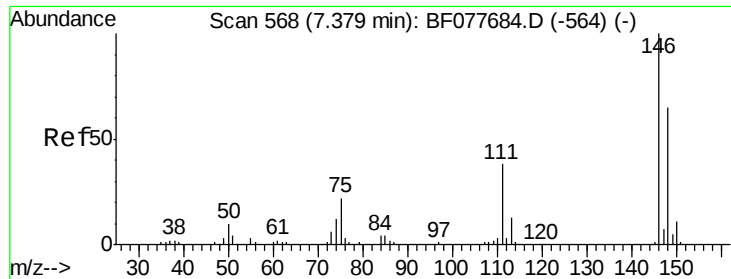
148 65.2 51.9 77.9

111 42.5 29.2 43.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

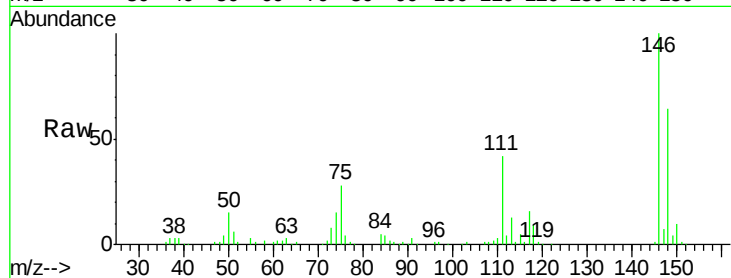




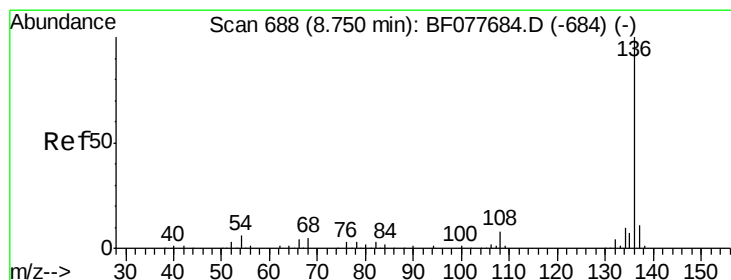
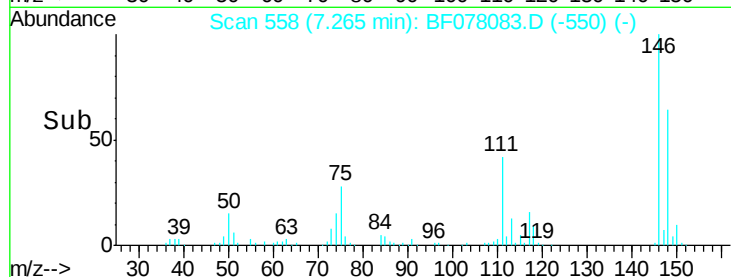
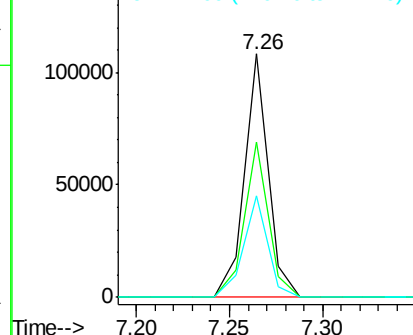
#14
 1,2-Dichlorobenzene
 Concen: 39.89 ng
 RT: 7.26 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 96165
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.3 78.5
 111 41.6 30.6 45.8

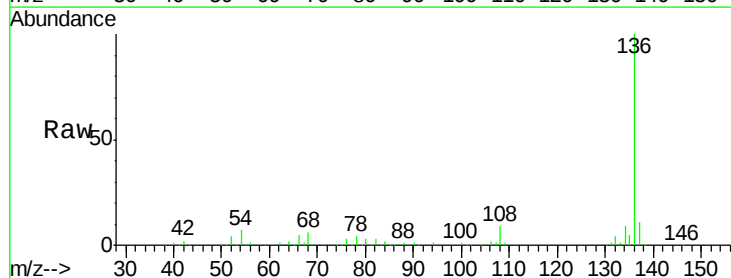


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

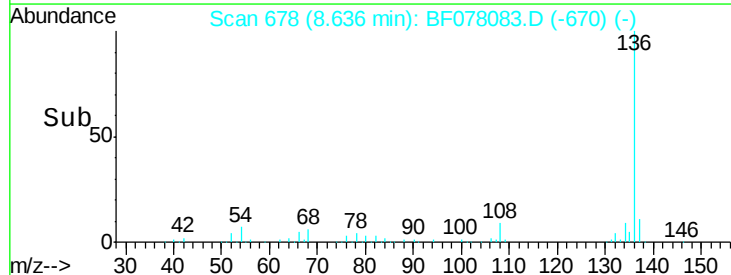
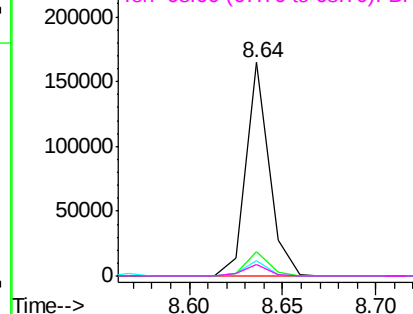


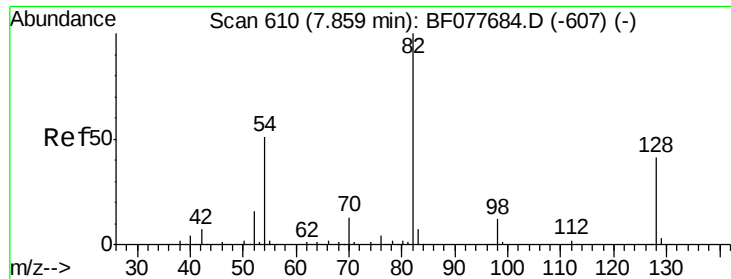
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.64 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Tgt Ion:136 Resp: 141870
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.7 13.1
 54 7.3 4.6 6.8#
 68 5.5 3.7 5.5



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

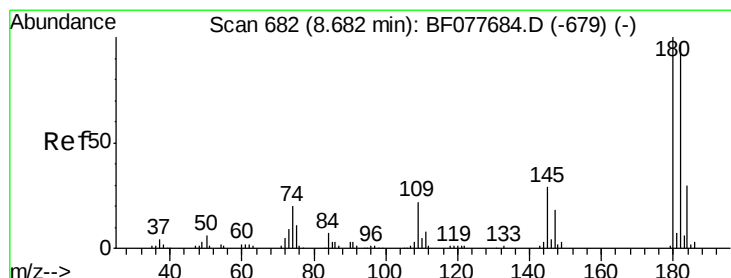
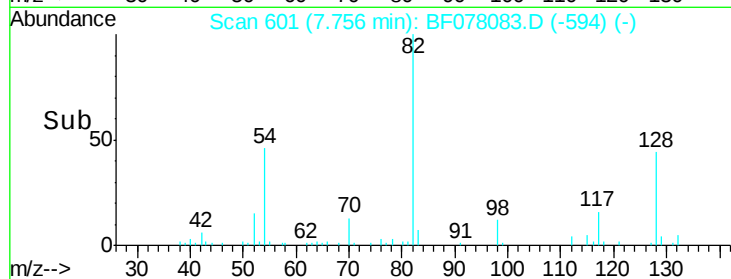
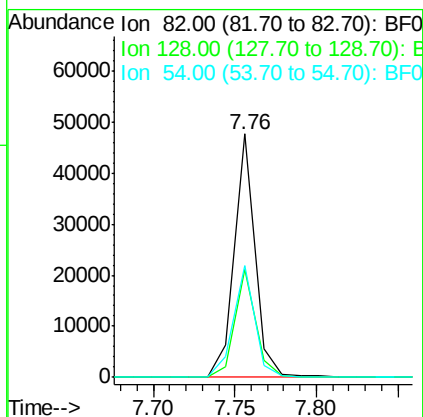
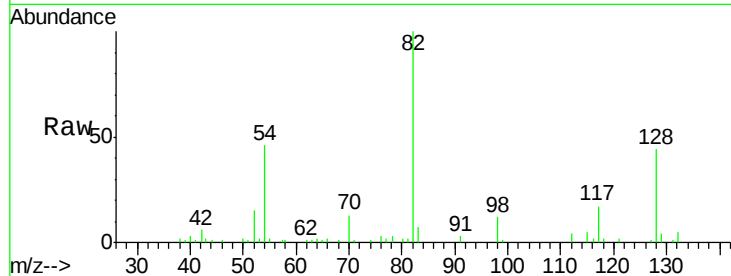




#23
 Nitrobenzene-d5
 Concen: 19.43 ng
 RT: 7.76 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

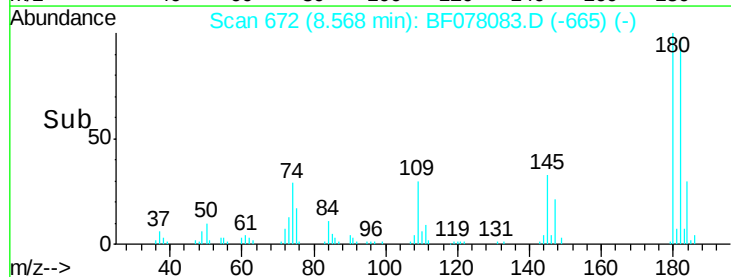
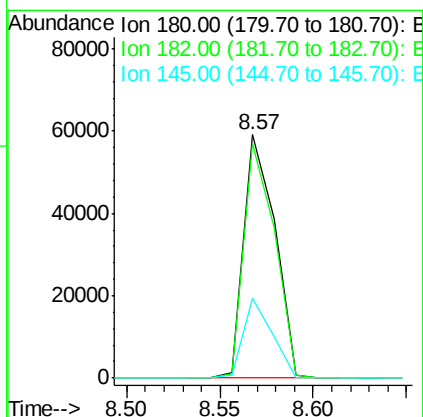
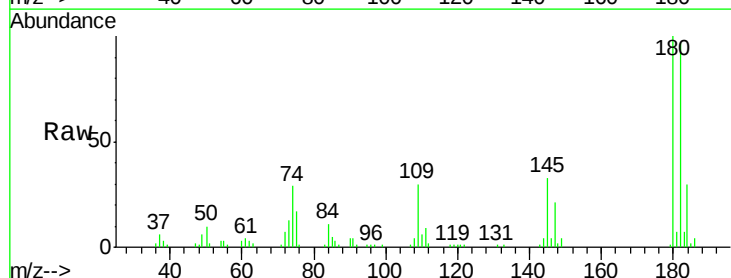
Instrument :
 BNA_F
 ClientSampleId :

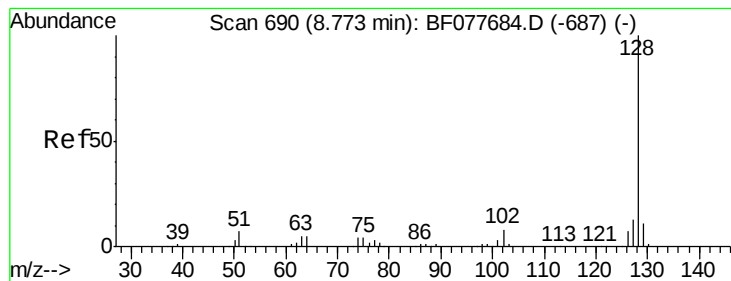
Tot Ion: 82 Resp: 42049
 Ion Ratio Lower Upper
 82 100
 128 44.2 32.8 49.2
 54 45.9 40.6 60.8



#30
 1,2,4-Trichlorobenzene
 Concen: 30.84 ng
 RT: 8.57 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Tgt Ion:180 Resp: 68410
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.6 116.4
 145 32.8 23.4 35.2





#31

Naphthalene

Concen: 33.96 ng

RT: 8.66 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

Instrument :

BNA_F

ClientSampled :

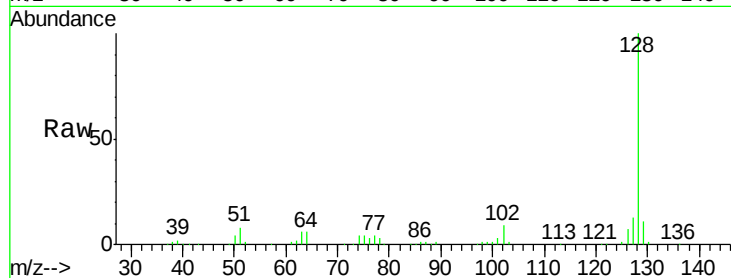
Tot Ion:128 Resp: 247474

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

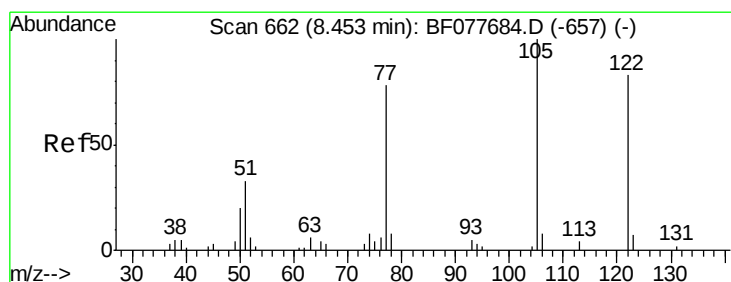
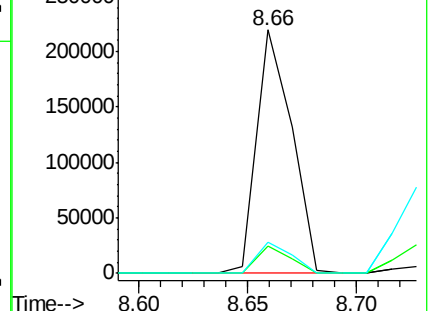
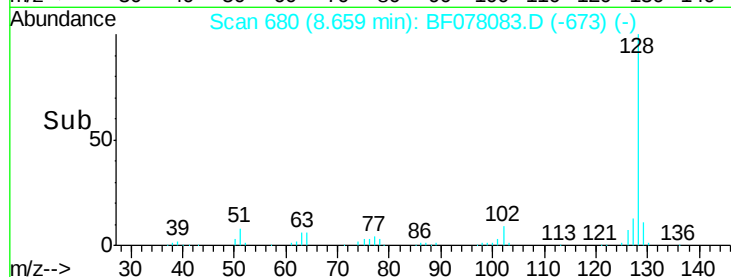
127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.61 ng

RT: 8.43 min Scan# 660

Delta R.T. 0.02 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

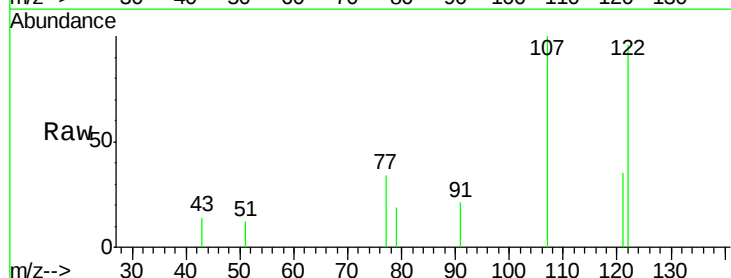
Tgt Ion:122 Resp: 3116

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

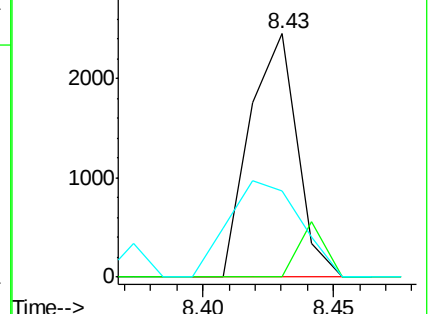
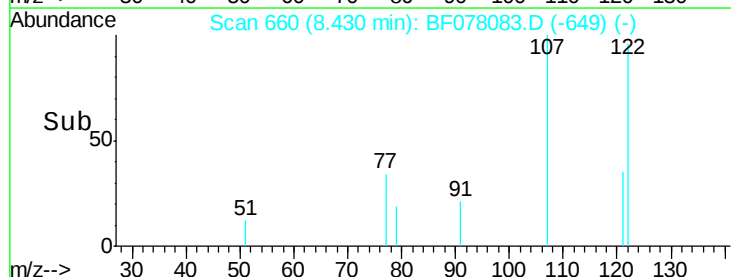
77 35.6 73.7 113.7#

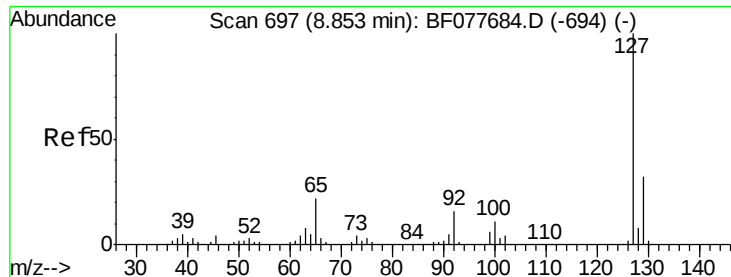


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

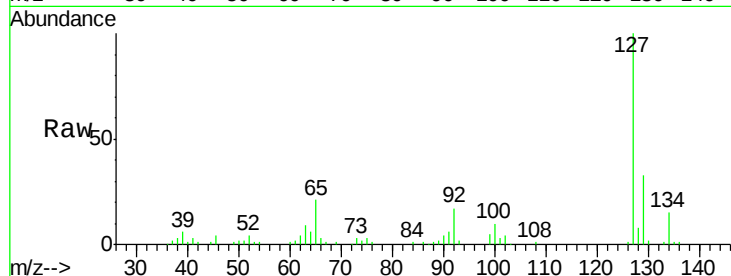




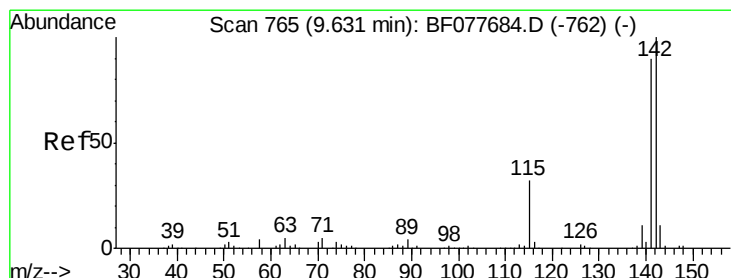
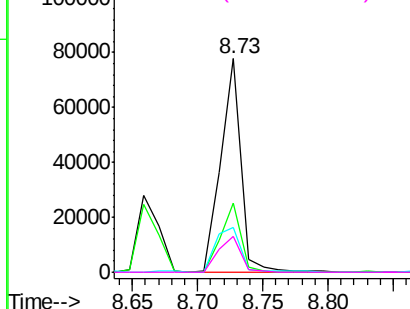
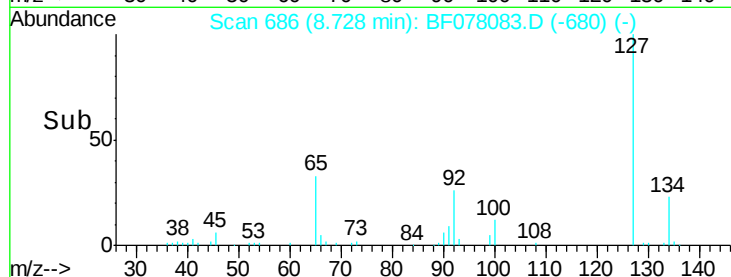
#33
4-Chloroaniline
Concen: 28.56 ng
RT: 8.73 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:	127	Resp:	84462
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.3	37.9
65	21.0	17.6	26.4
92	16.8	13.1	19.7

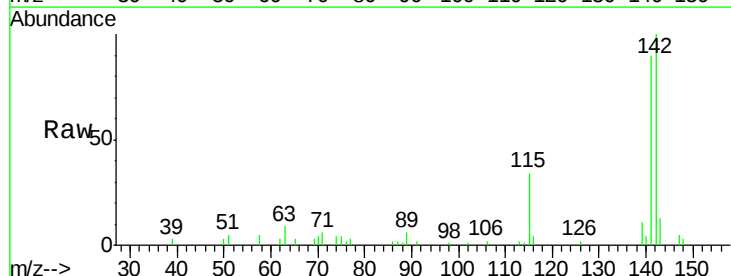


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

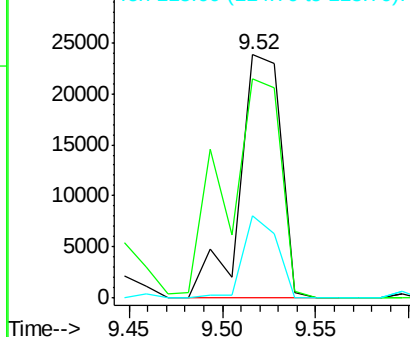
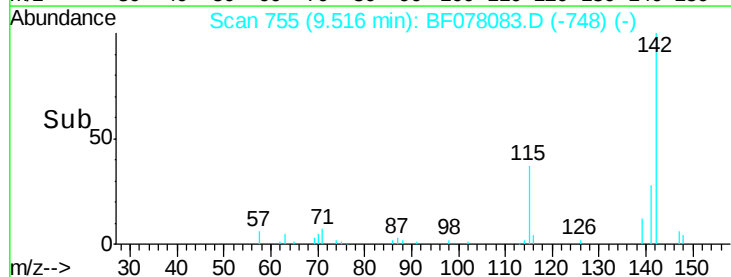


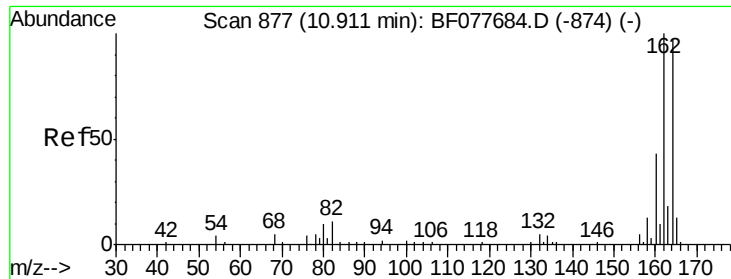
#37
2-Methylnaphthalene
Concen: 7.58 ng
RT: 9.52 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Tgt Ion:	142	Resp:	37091
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.9	107.9
115	33.8	25.4	38.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.81 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

Instrument :

BNA_F

ClientSampleId :

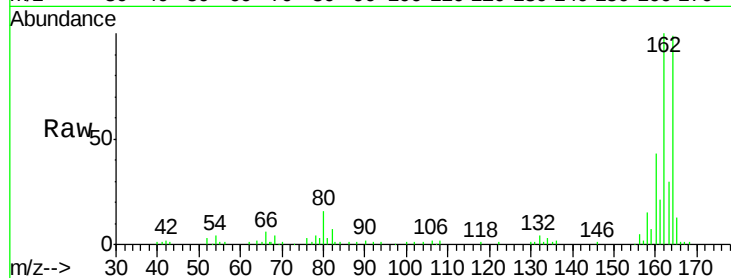
Tot Ion:164 Resp: 73187

Ion Ratio Lower Upper

164 100

162 101.1 82.4 123.6

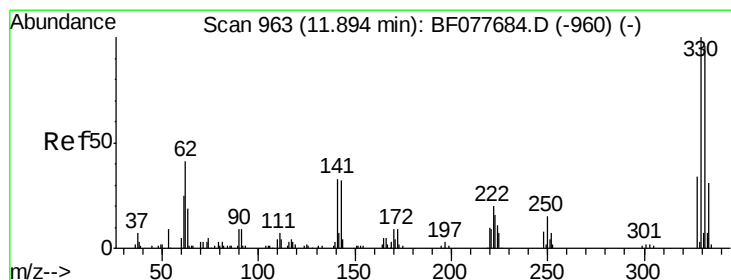
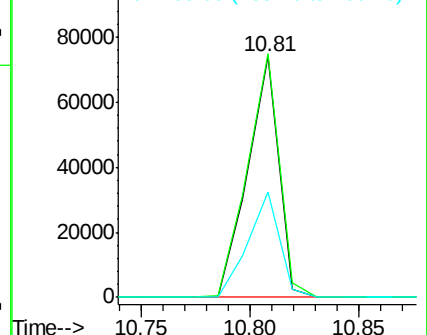
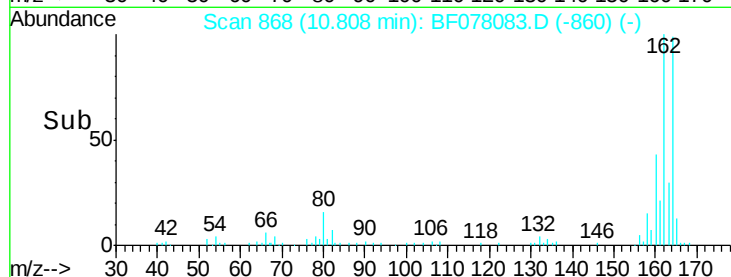
160 43.6 35.8 53.6



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: 21.56 ng

RT: 11.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

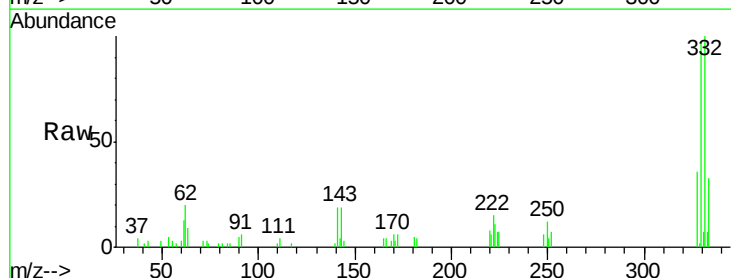
Tgt Ion:330 Resp: 15098

Ion Ratio Lower Upper

330 100

332 101.0 0.0 0.0#

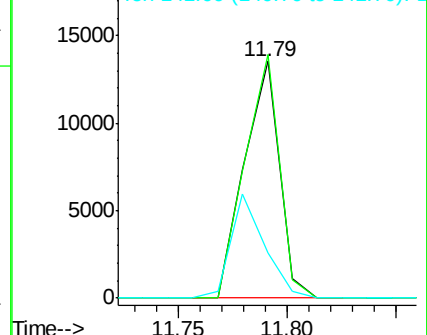
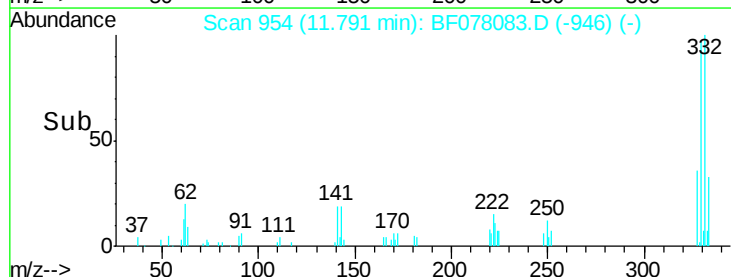
141 42.3 0.0 0.0#

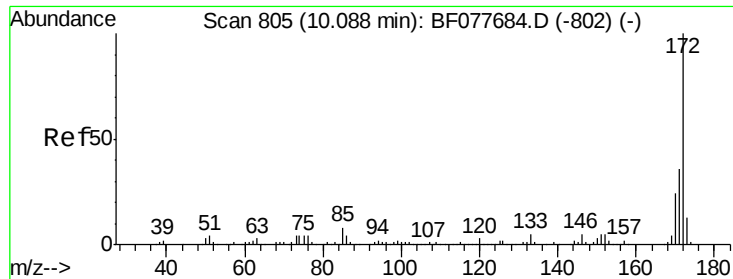


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

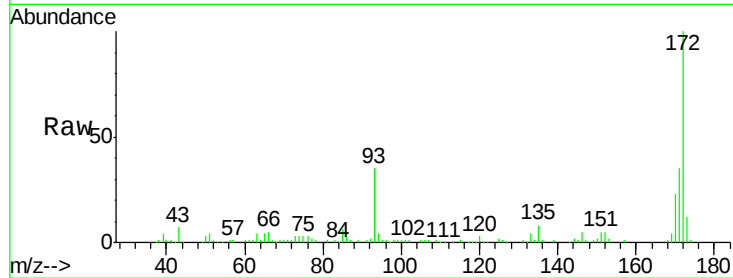




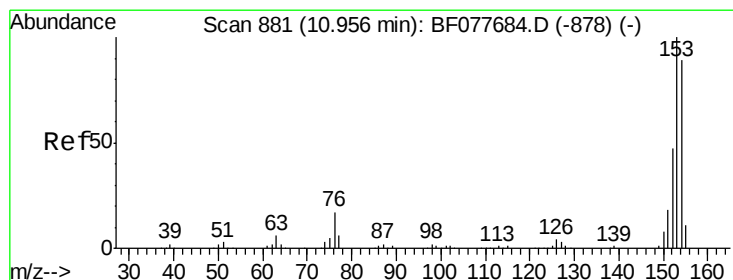
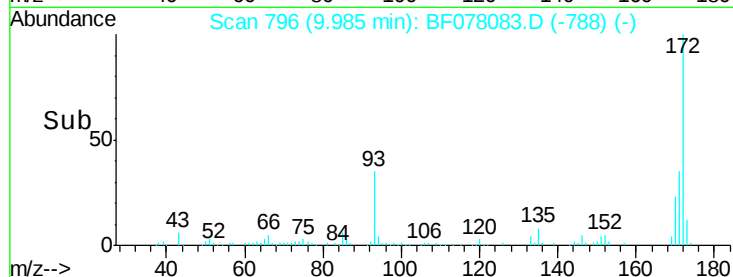
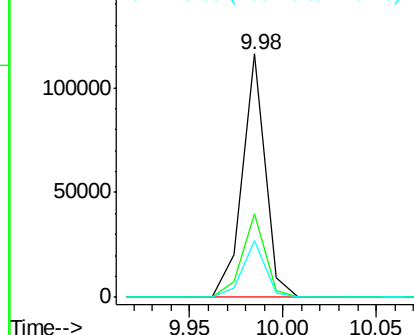
#44
 2-Fluorobiphenyl
 Concen: 20.17 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 100424
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.1 18.8 28.2

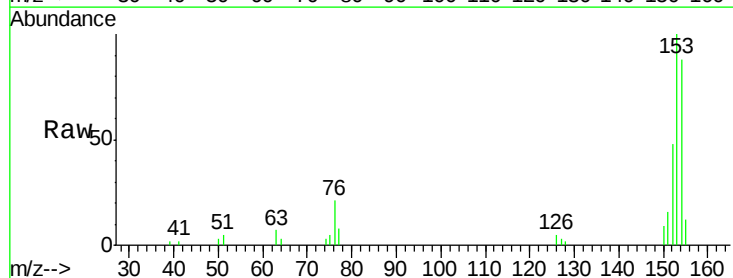


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

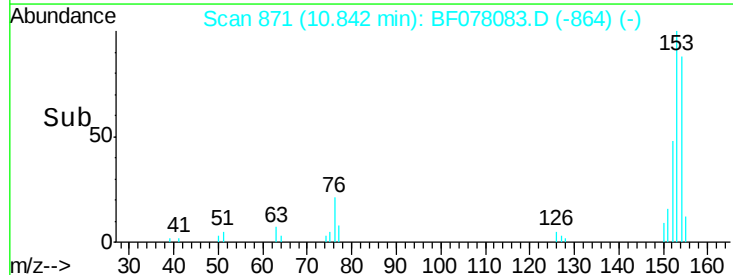
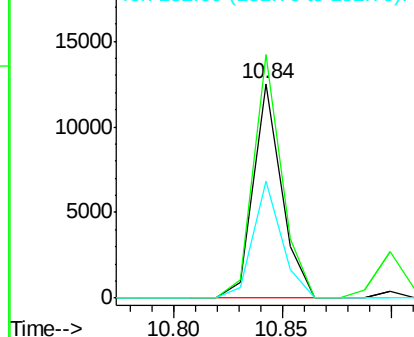


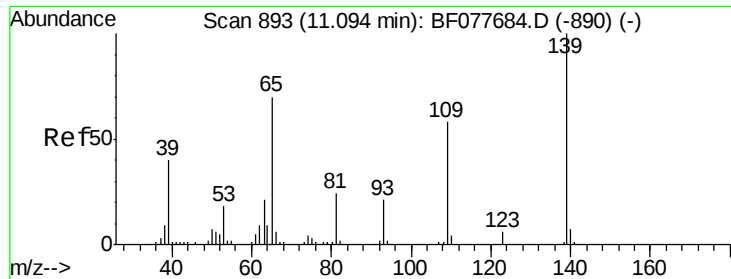
#51
 Acenaphthene
 Concen: 2.49 ng
 RT: 10.84 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Tgt Ion:154 Resp: 11295
 Ion Ratio Lower Upper
 154 100
 153 113.6 90.0 135.0
 152 54.4 42.6 63.8



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

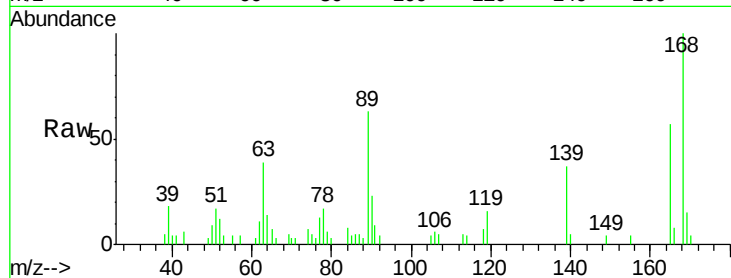




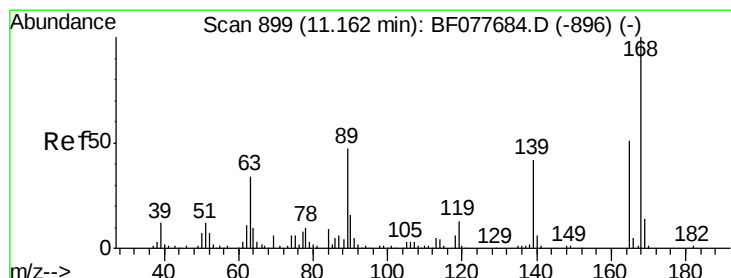
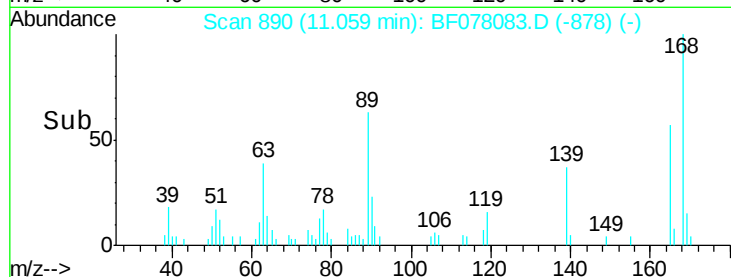
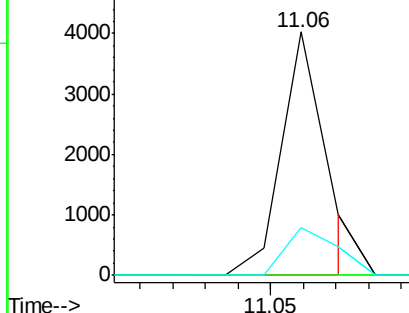
#55
4-Nitrophenol
Concen: 3.89 ng
RT: 11.06 min Scan# 890
Delta R.T. 0.03 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 3766
Ion Ratio Lower Upper
139 100
109 0.0 37.7 77.7#
65 19.9 49.9 89.9#



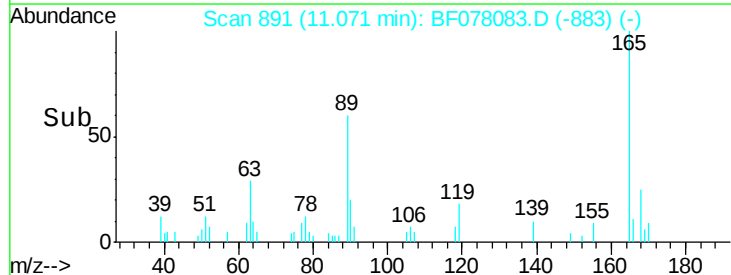
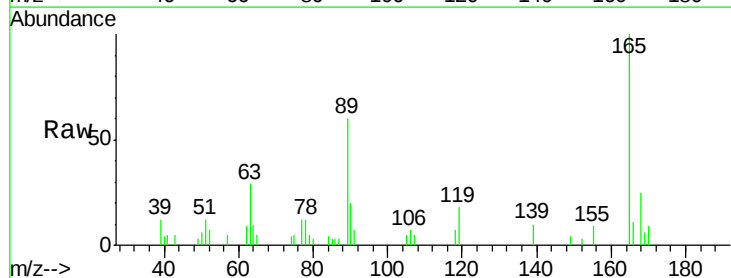
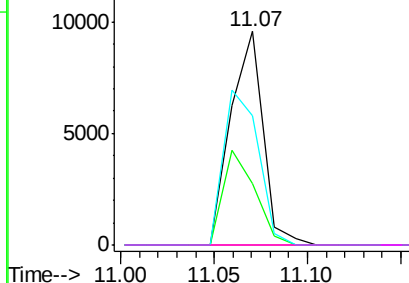
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

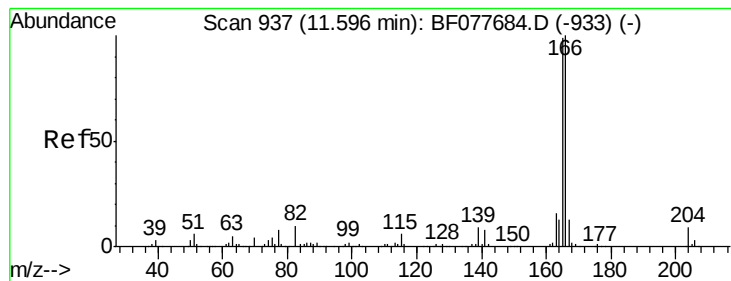


#56
2,4-Dinitrotoluene
Concen: 7.91 ng
RT: 11.07 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF078083.D
Acq: 30 Mar 2015 15:59

Tgt Ion:165 Resp: 11610
Ion Ratio Lower Upper
165 100
63 29.0 52.4 78.6#
89 60.3 72.4 108.6#
182 0.0 2.0 3.0#

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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 2.48 ng

RT: 11.48 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

Instrument :

BNA_F

ClientSampleId :

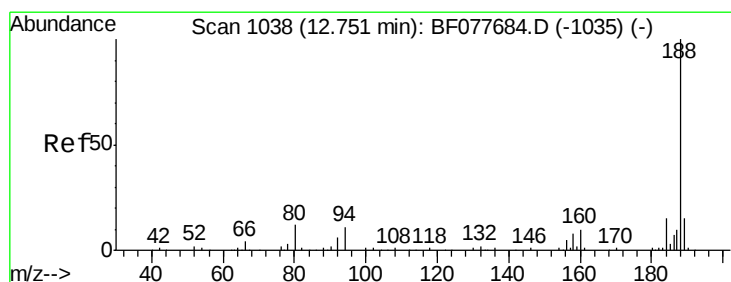
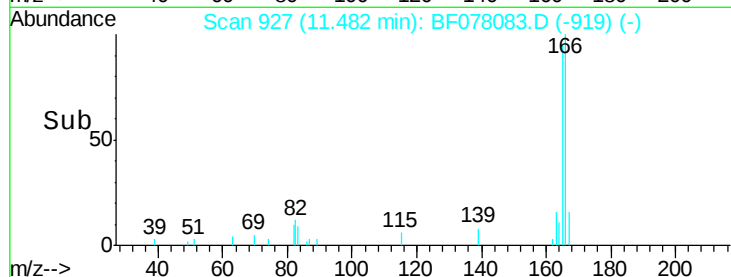
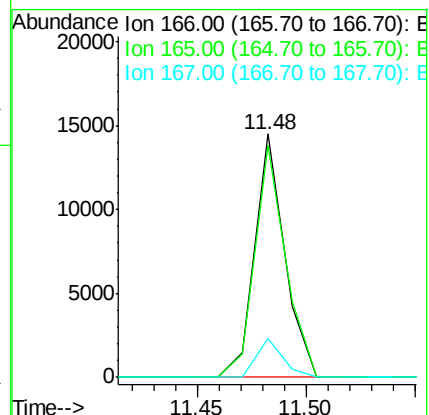
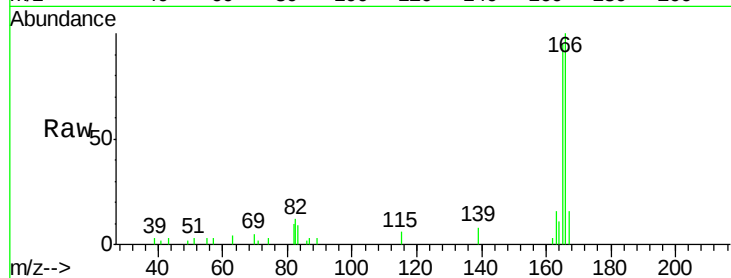
Tot Ion:166 Resp: 13853

Ion Ratio Lower Upper

166 100

165 95.3 79.0 118.4

167 16.1 10.3 15.5#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.64 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

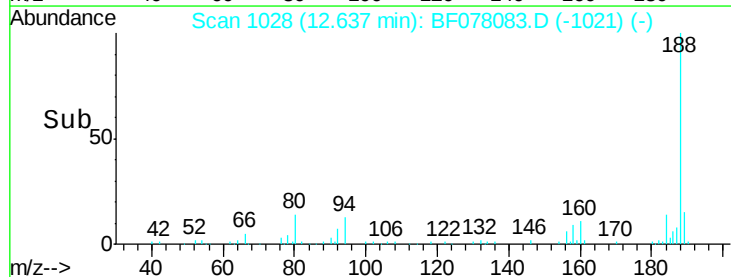
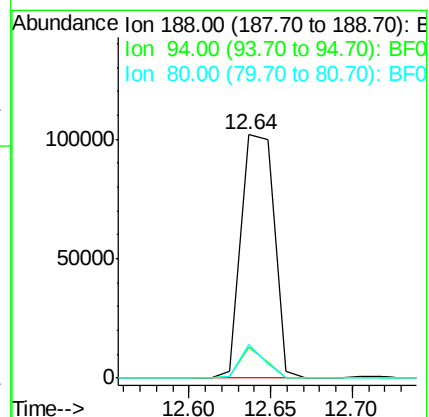
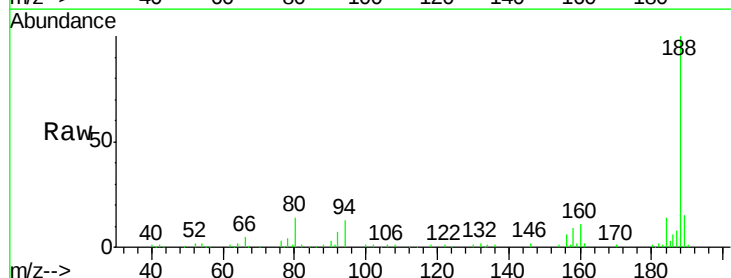
Tgt Ion:188 Resp: 142602

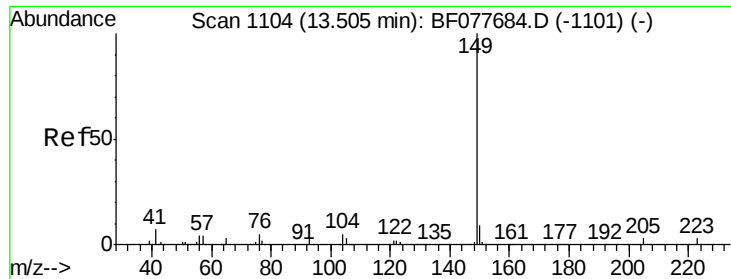
Ion Ratio Lower Upper

188 100

94 12.9 8.7 13.1

80 14.0 9.3 13.9#





#73

Di-n-butylphthalate

Concen: 7.07 ng

RT: 13.40 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

Instrument :

BNA_F

ClientSampleId :

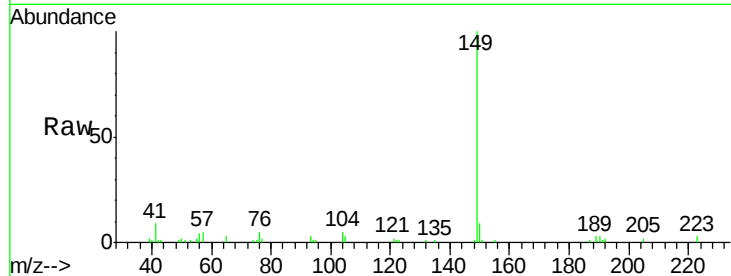
Tot Ion:149 Resp: 60959

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

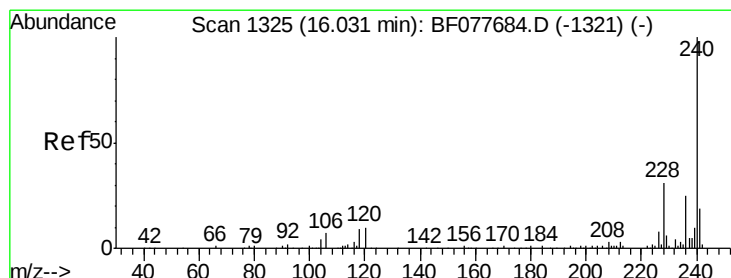
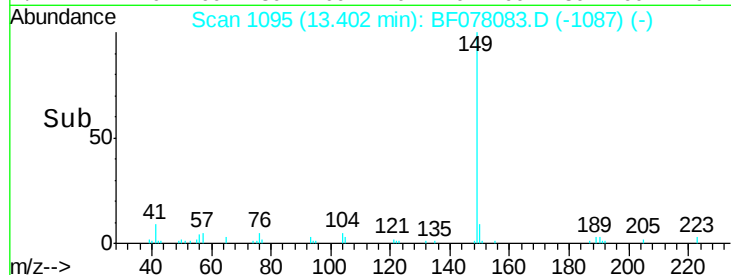
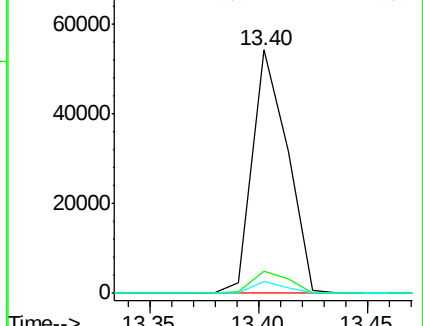
104 4.8 3.7 5.5



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF078083.D

Acq: 30 Mar 2015 15:59

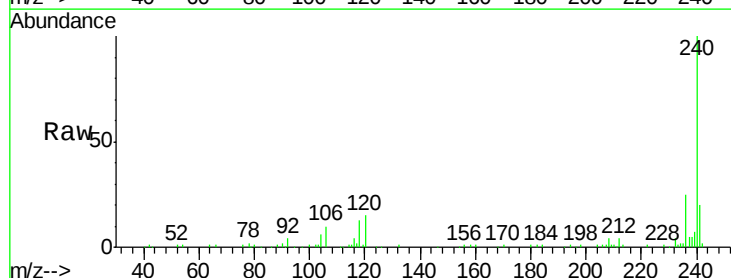
Tgt Ion:240 Resp: 160584

Ion Ratio Lower Upper

240 100

120 14.6 8.2 12.2#

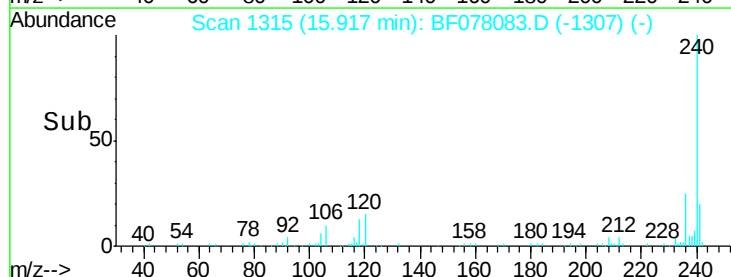
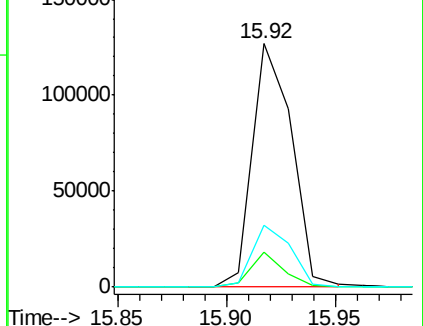
236 25.3 20.0 30.0

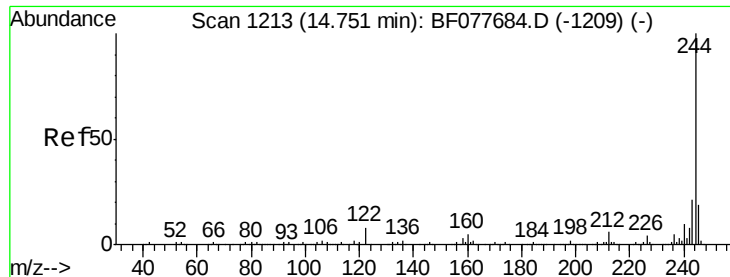


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

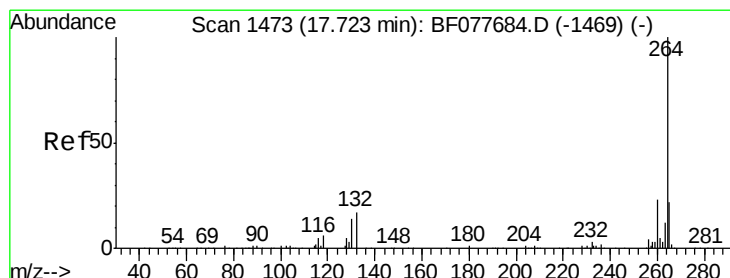
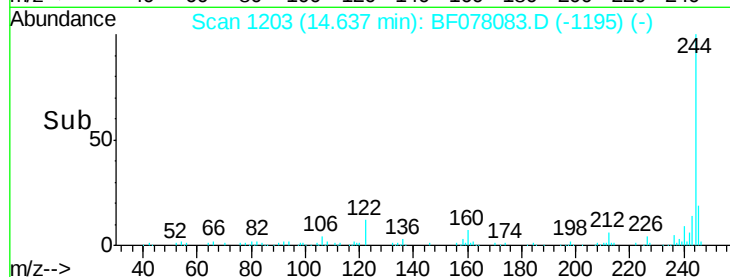
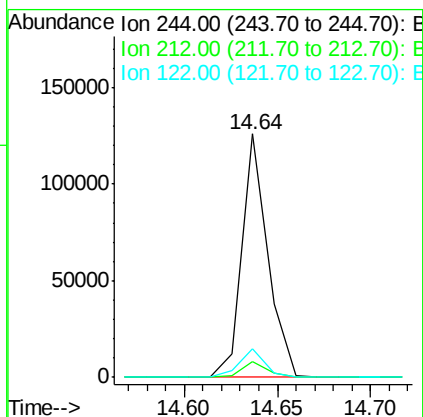
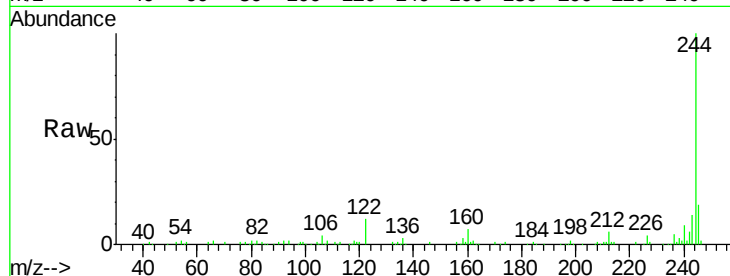




#78
 Terphenyl-d14
 Concen: 18.52 ng
 RT: 14.64 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 121758
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.9 7.3
 122 11.8 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.63 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF078083.D
 Acq: 30 Mar 2015 15:59

Tgt Ion:264 Resp: 157007
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.1 17.3 25.9

