

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079260.D
 Acq On : 15 May 2015 7:23
 Operator : TP/IZ
 Sample : G2089-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CT1

Quant Time: May 15 08:03:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 07:00:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	62642	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	257164	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	126017	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	248024	20.00	ng	0.00
75) Chrysene-d12	16.10	240	272861	20.00	ng	0.00
86) Perylene-d12	17.87	264	290845	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	290538	79.84	ng	0.00
7) Phenol-d6	6.79	99	405251	84.25	ng	0.00
23) Nitrobenzene-d5	7.91	82	230956	51.62	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	114321	83.86	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	462629	51.15	ng	0.00
78) Terphenyl-d14	14.81	244	564147	49.50	ng	0.00

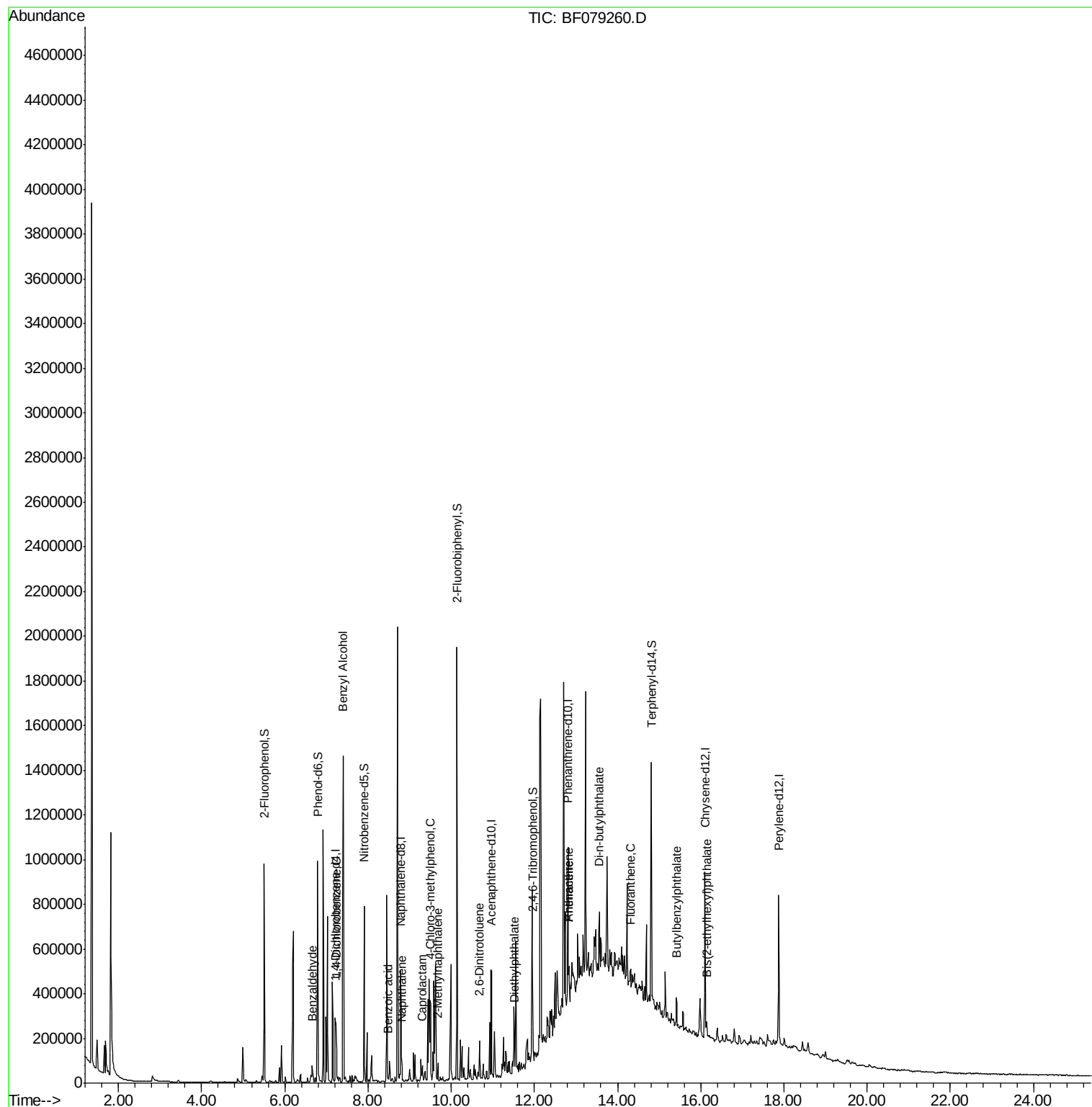
Target Compounds				Qvalue		
9) Benzaldehyde	6.66	77	15554	4.80	ng	91
13) 1,4-Dichlorobenzene	7.23	146	62845	13.16	ng	97
15) Benzyl Alcohol	7.40	79	125741	35.21	ng	# 89
31) Naphthalene	8.82	128	33063	2.70	ng	99
32) Benzoic acid	8.48	122	220	6.39	ng	# 21
35) Caprolactam	9.30	113	7325	6.93	ng	97
36) 4-Chloro-3-methylphenol	9.51	107	43157	12.58	ng	94
37) 2-Methylnaphthalene	9.68	142	22471	2.65	ng	96
50) 2,6-Dinitrotoluene	10.68	165	15581	8.54	ng	# 44
59) Diethylphthalate	11.52	149	36842	4.02	ng	99
70) Phenanthrene	12.83	178	82871	5.97	ng	97
71) Anthracene	12.83	178	82574	6.07	ng	96
73) Di-n-butylphthalate	13.57	149	104464	6.71	ng	# 96
74) Fluoranthene	14.32	202	33078	2.29	ng	92
79) Butylbenzylphthalate	15.43	149	41375	6.02	ng	92
83) Bis(2-ethylhexyl)phthalate	16.15	149	23175	2.23	ng	100

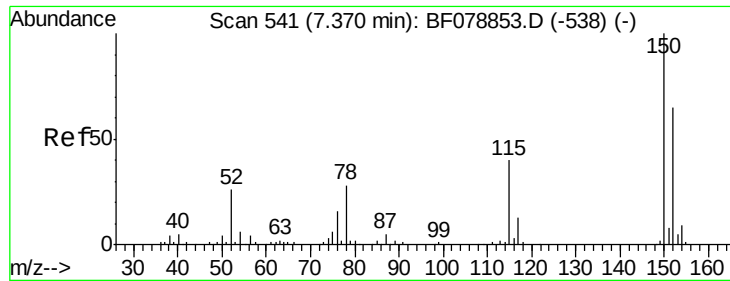
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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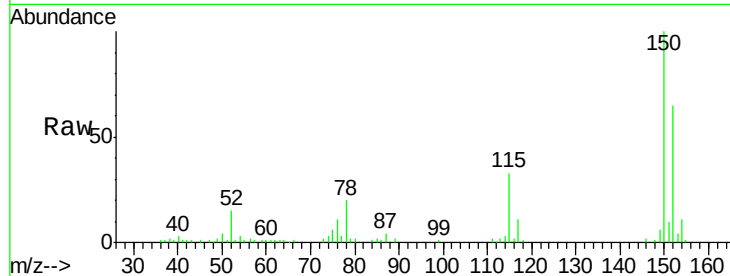


#1

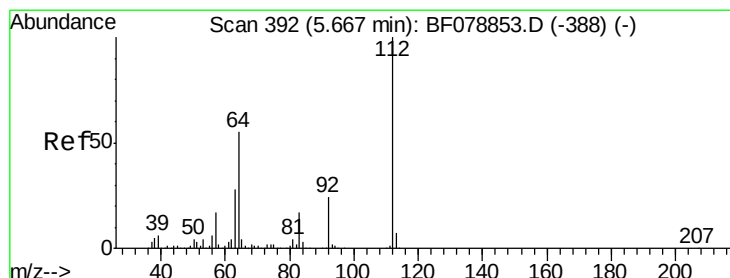
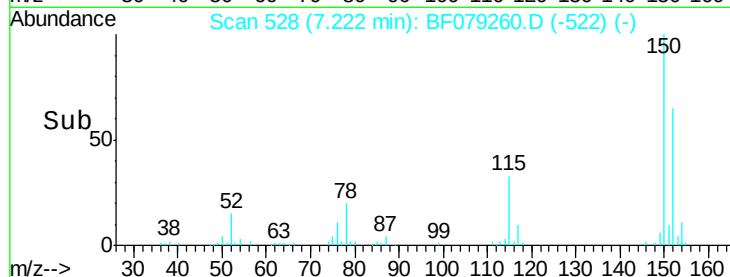
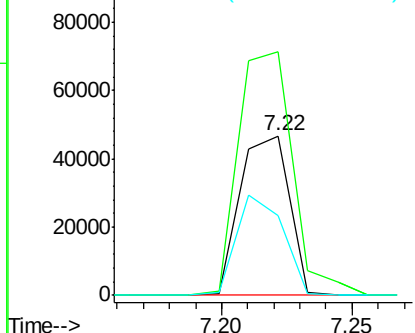
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF079260.D
Acq: 15 May 2015 7:23

Instrument :
BNA_F
ClientSampled :
CT1

Tgt Ion:152 Resp: 62642
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.8
115 50.2 49.4 74.0



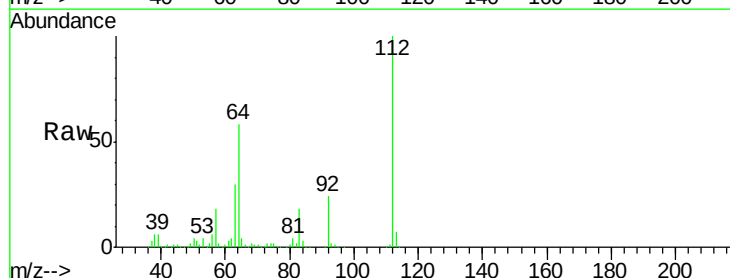
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



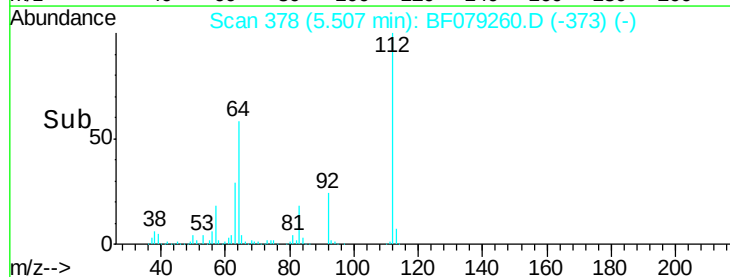
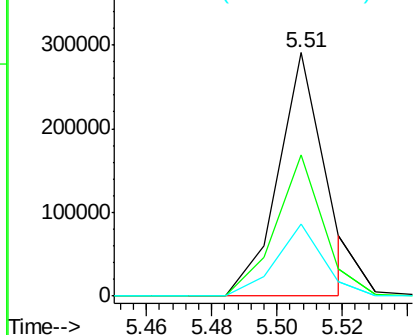
#5

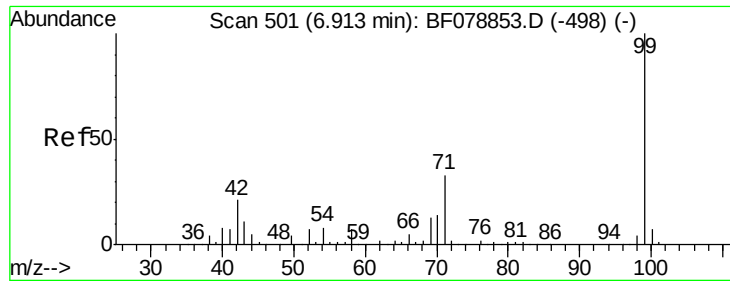
2-Fluorophenol
Concen: 79.84 ng
RT: 5.51 min Scan# 378
Delta R.T. 0.00 min
Lab File: BF079260.D
Acq: 15 May 2015 7:23

Tgt Ion:112 Resp: 290538
Ion Ratio Lower Upper
112 100
64 57.9 44.2 66.2
63 29.5 22.7 34.1



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: 84.25 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

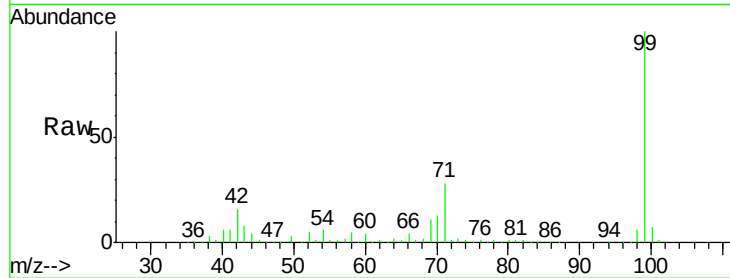
Tgt Ion: 99 Resp: 405251

Ion Ratio Lower Upper

99 100

42 15.6 17.1 25.7#

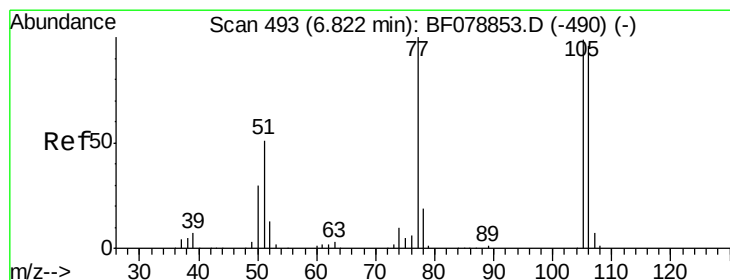
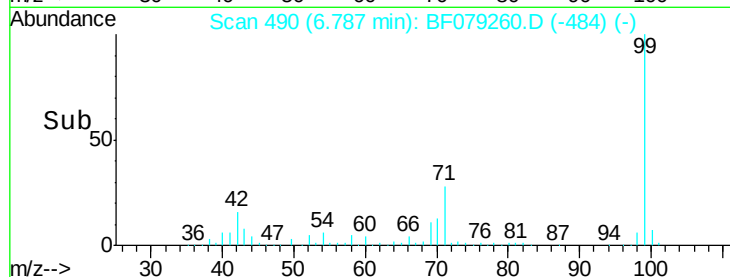
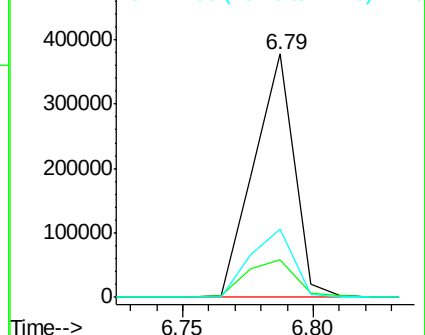
71 28.1 26.3 39.5



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



#9

Benzaldehyde

Concen: 4.80 ng

RT: 6.66 min Scan# 479

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

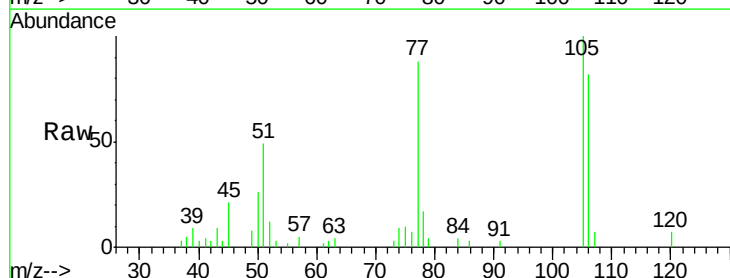
Tgt Ion: 77 Resp: 15554

Ion Ratio Lower Upper

77 100

105 114.2 78.9 118.9

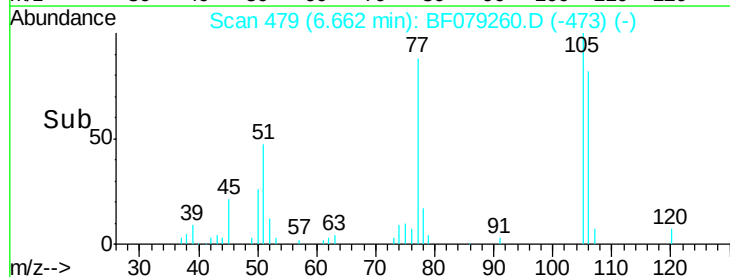
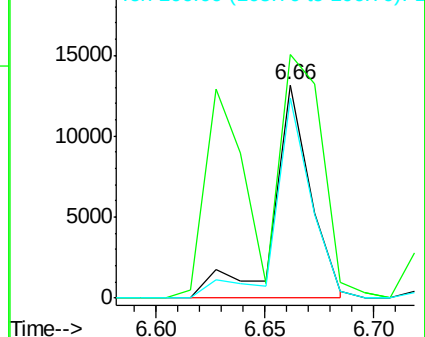
106 93.6 75.8 115.8

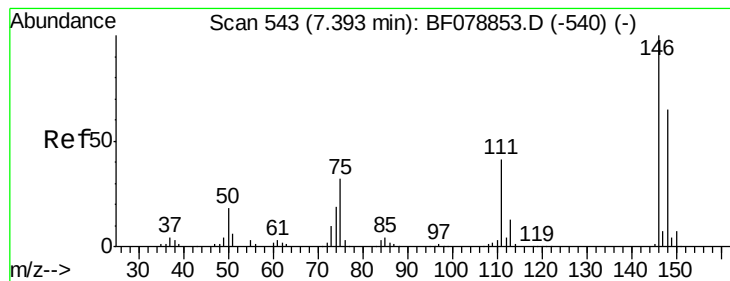


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#13

1,4-Dichlorobenzene

Concen: 13.16 ng

RT: 7.23 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

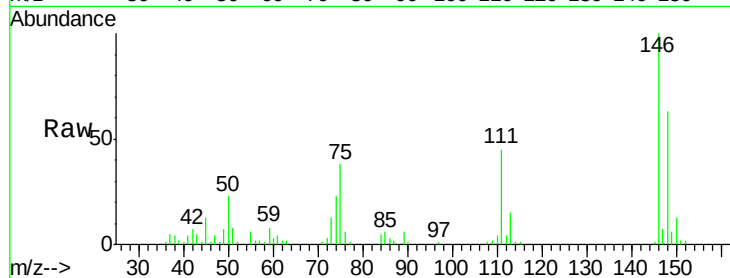
Tgt Ion:146 Resp: 62845

Ion Ratio Lower Upper

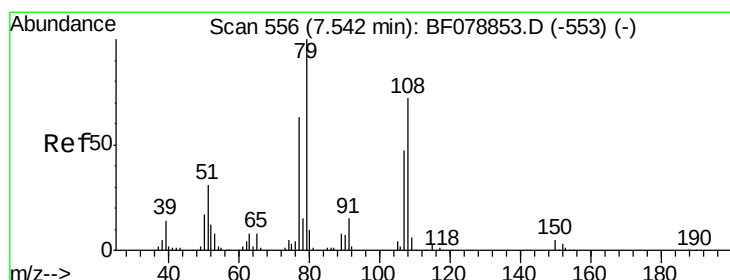
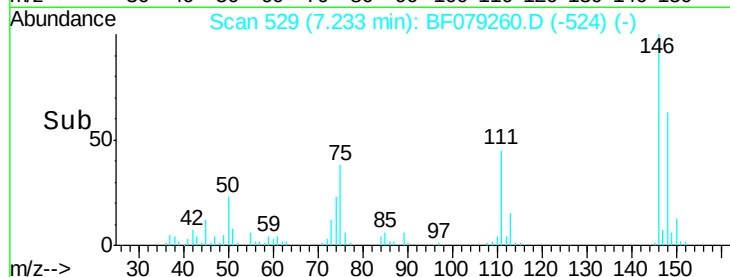
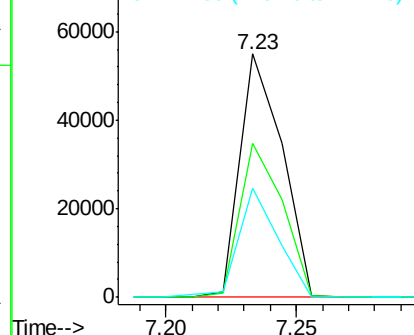
146 100

148 63.5 51.7 77.5

111 44.8 32.8 49.2



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



#15

Benzyl Alcohol

Concen: 35.21 ng

RT: 7.40 min Scan# 544

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

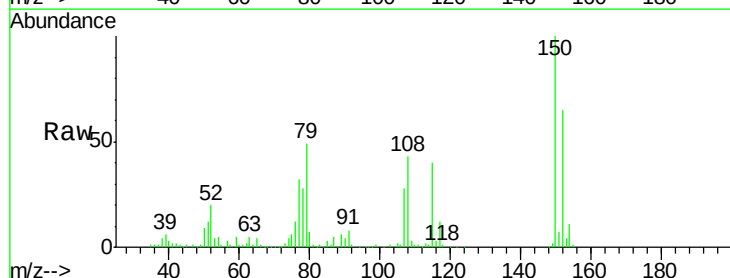
Tgt Ion: 79 Resp: 125741

Ion Ratio Lower Upper

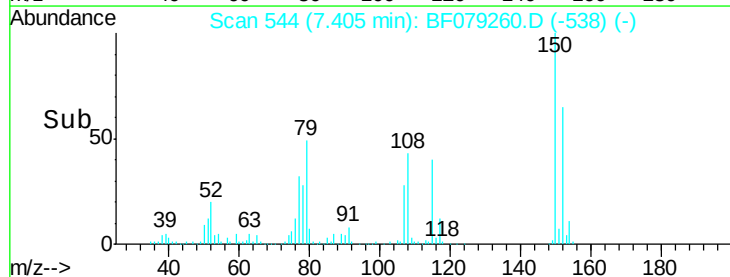
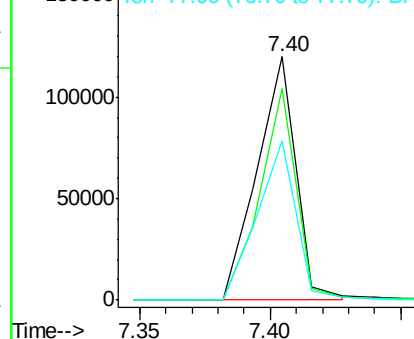
79 100

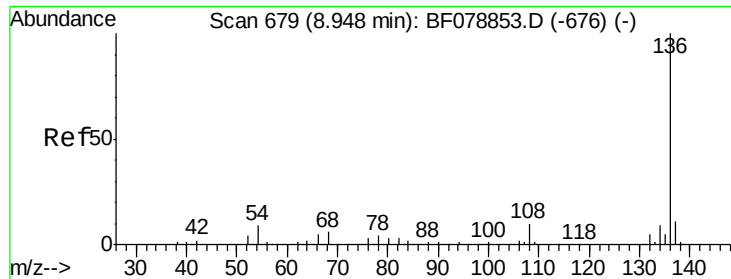
108 87.0 57.4 86.2#

77 65.3 50.2 75.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

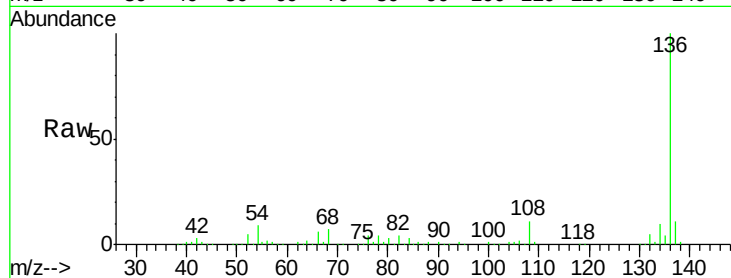




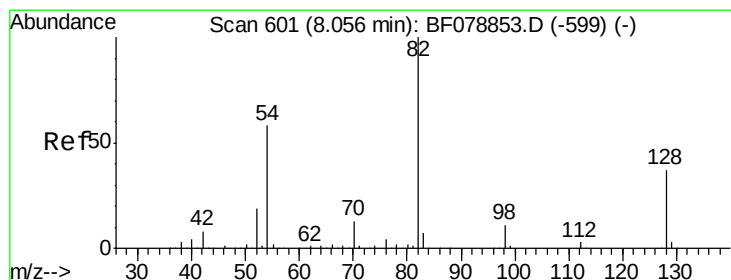
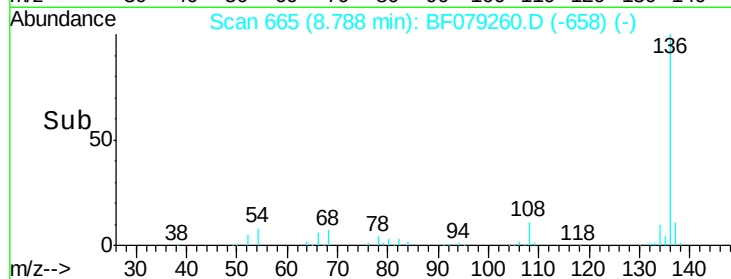
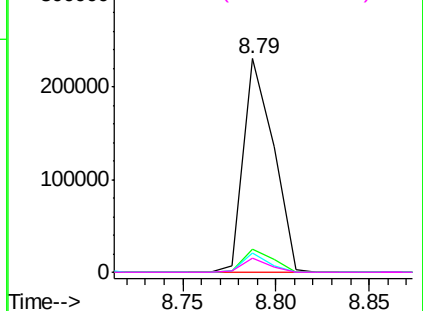
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.79 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF079260.D
Acq: 15 May 2015 7:23

Instrument :
BNA_F
ClientSampleId :
CT1

Tgt Ion:	136	Resp:	257164
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.3	6.9	10.3
68	6.8	4.9	7.3

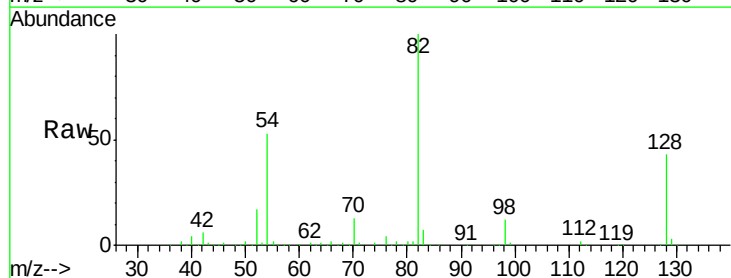


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

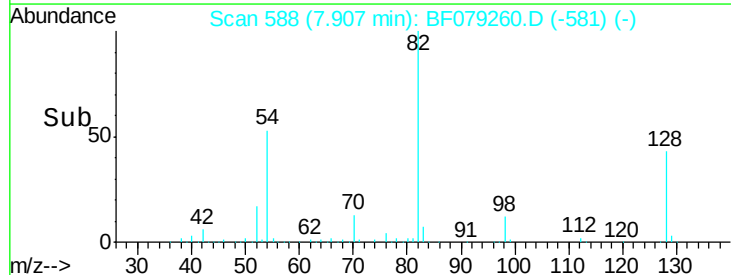
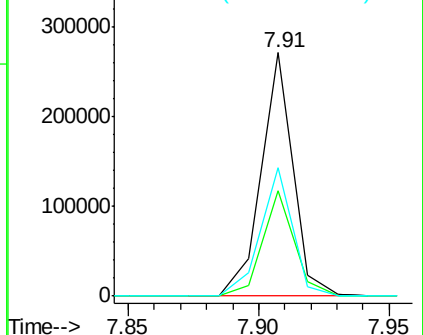


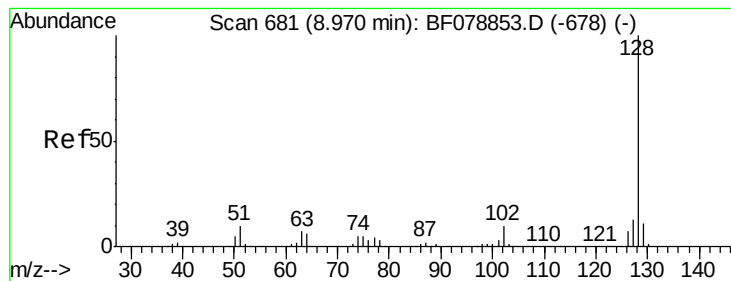
#23
Nitrobenzene-d5
Concen: 51.62 ng
RT: 7.91 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF079260.D
Acq: 15 May 2015 7:23

Tgt Ion:	82	Resp:	230956
Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.7	44.5
54	52.6	46.2	69.4



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





#31

Naphthalene

Concen: 2.70 ng

RT: 8.82 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

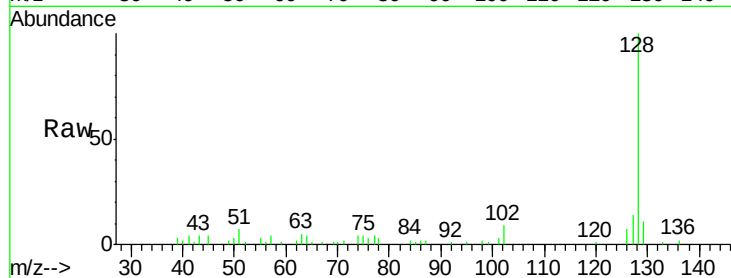
Tgt Ion:128 Resp: 33063

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

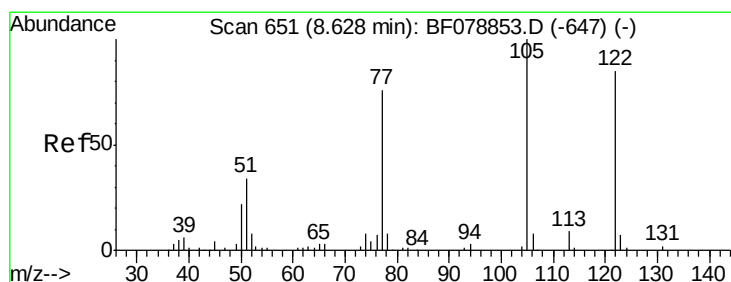
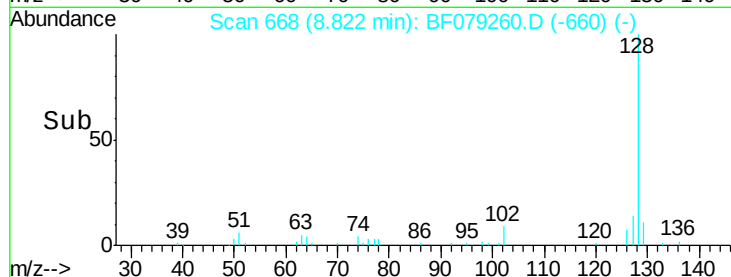
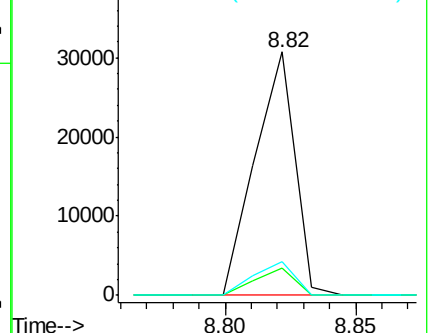
127 13.6 10.3 15.5



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: 6.39 ng

RT: 8.48 min Scan# 638

Delta R.T. -0.03 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

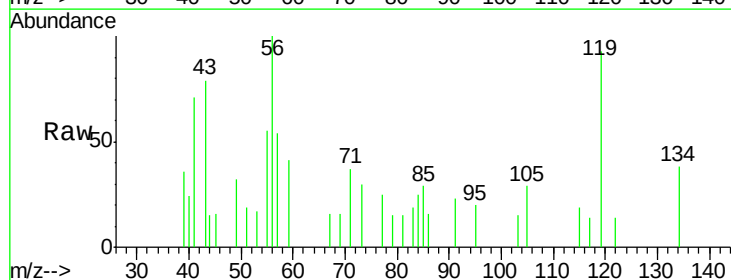
Tgt Ion:122 Resp: 220

Ion Ratio Lower Upper

122 100

105 201.9 100.7 140.7#

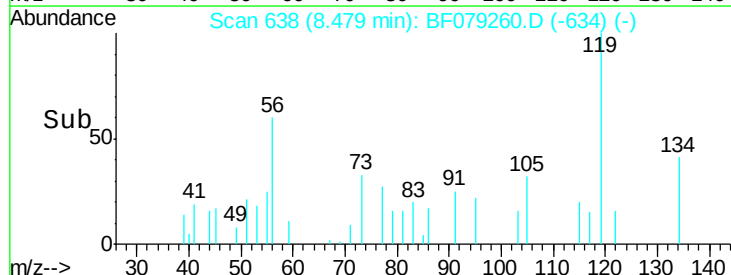
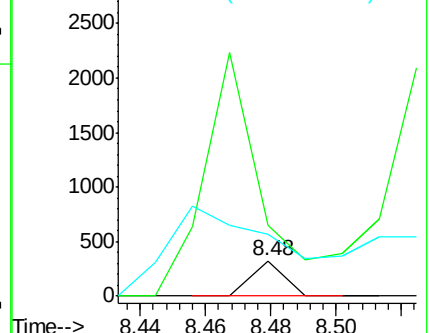
77 175.7 72.0 112.0#

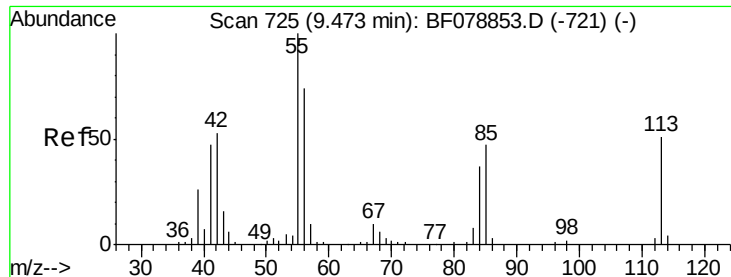


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

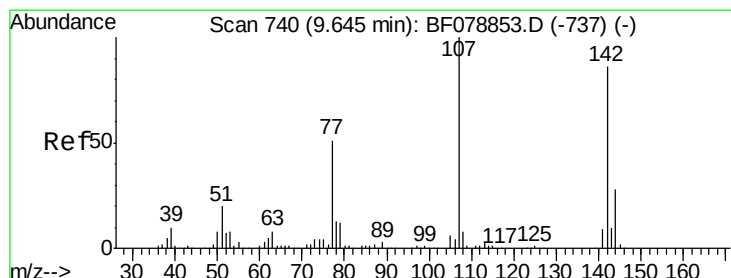
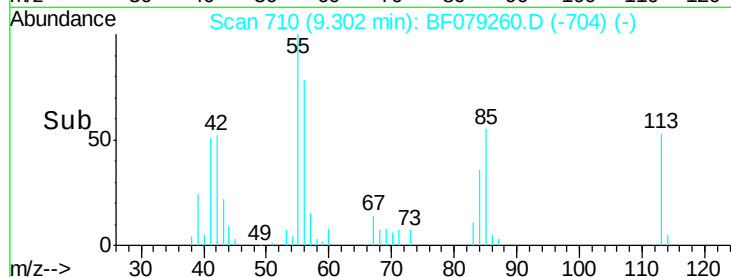
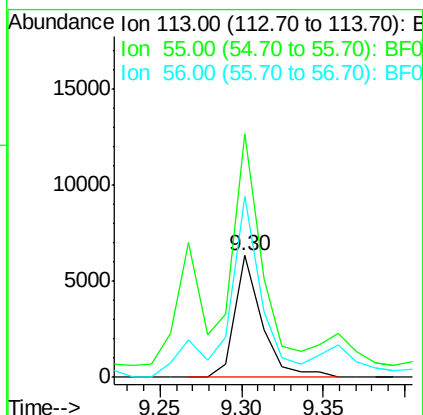
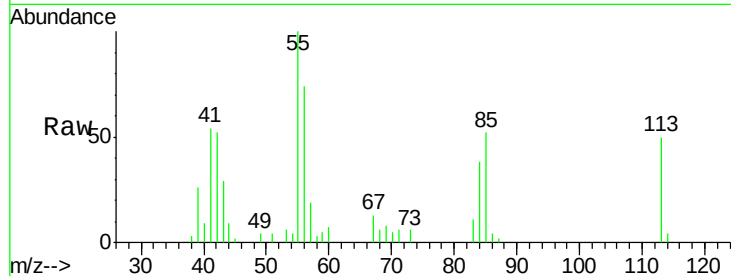




#35
 Caprolactam
 Concen: 6.93 ng
 RT: 9.30 min Scan# 710
 Delta R.T. -0.02 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

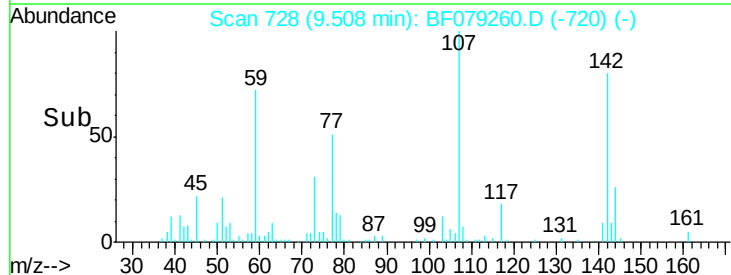
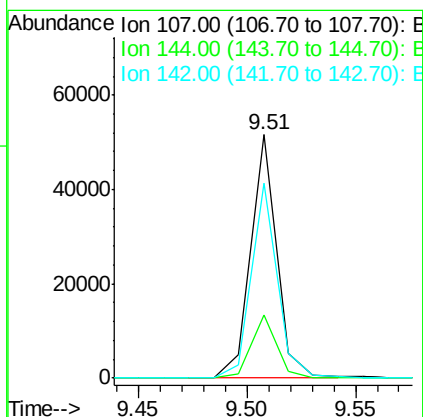
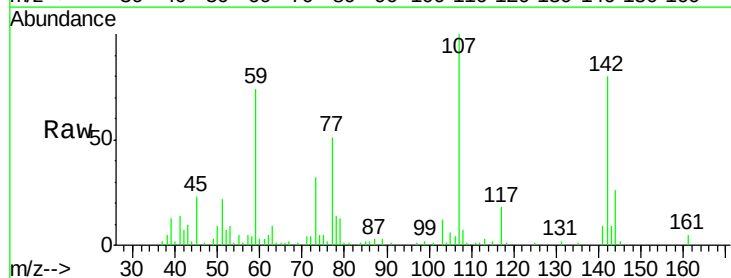
Instrument :
 BNA_F
 ClientSampleId :
 CT1

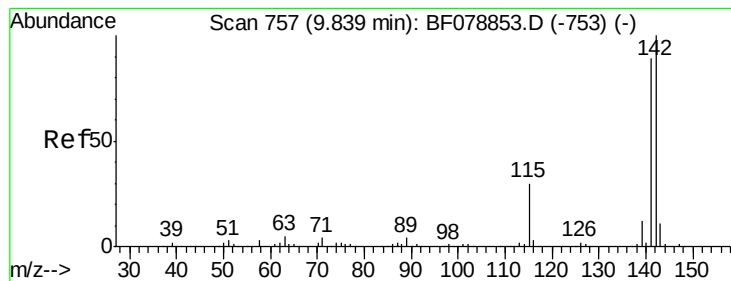
Tgt Ion:113 Resp: 7325
 Ion Ratio Lower Upper
 113 100
 55 200.3 176.0 216.0
 56 148.7 123.8 163.8



#36
 4-Chloro-3-methylphenol
 Concen: 12.58 ng
 RT: 9.51 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Tgt Ion:107 Resp: 43157
 Ion Ratio Lower Upper
 107 100
 144 26.1 22.5 33.7
 142 79.9 68.6 103.0





#37

2-Methylnaphthalene

Concen: 2.65 ng

RT: 9.68 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

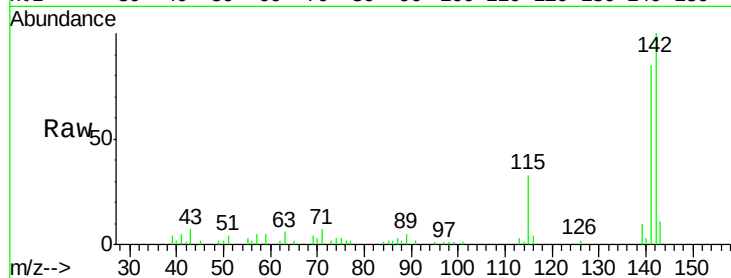
Tgt Ion:142 Resp: 22471

Ion Ratio Lower Upper

142 100

141 85.3 71.6 107.4

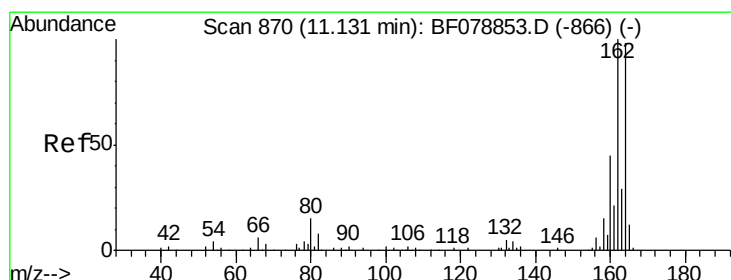
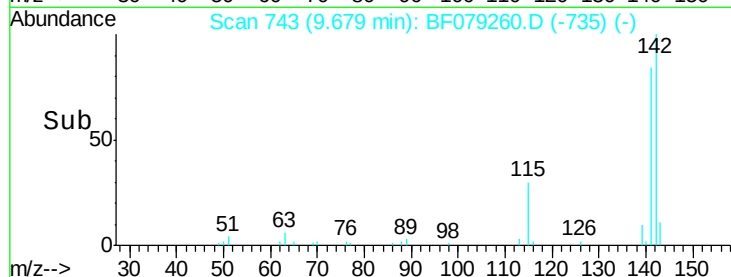
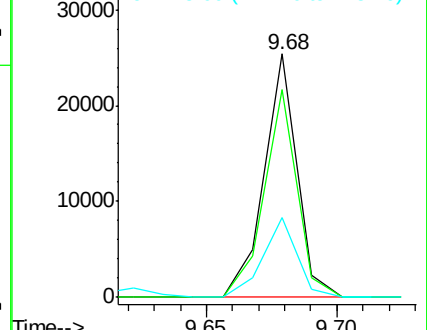
115 32.7 24.2 36.4



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: 10.97 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

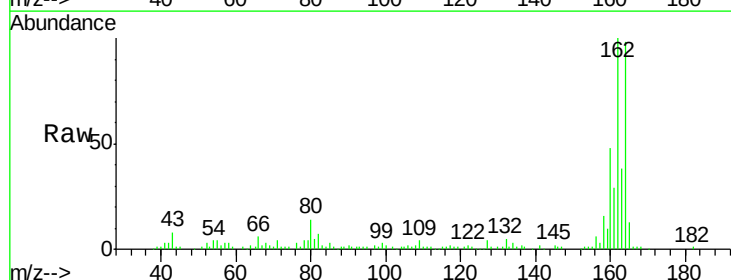
Tgt Ion:164 Resp: 126017

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

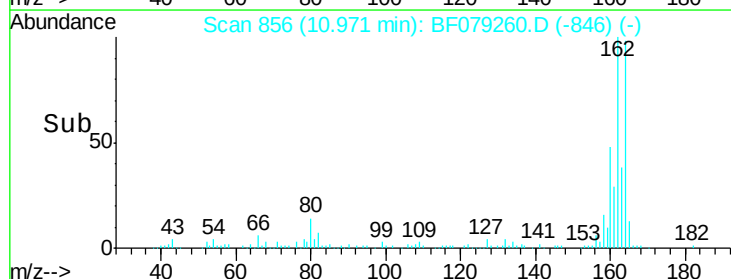
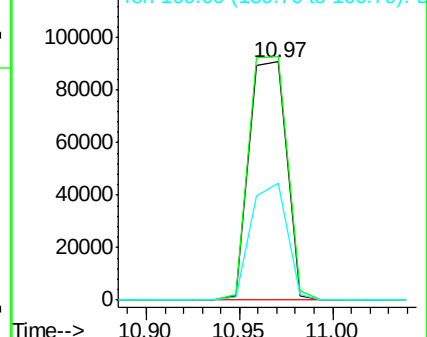
160 49.1 36.6 54.8

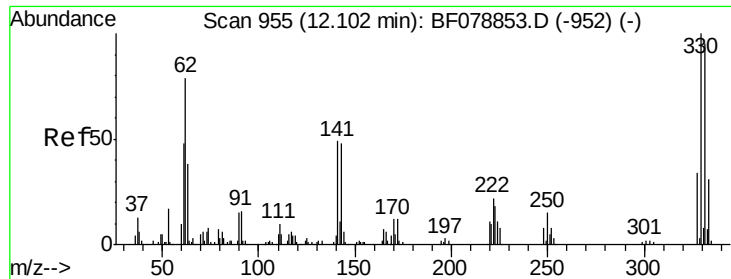


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

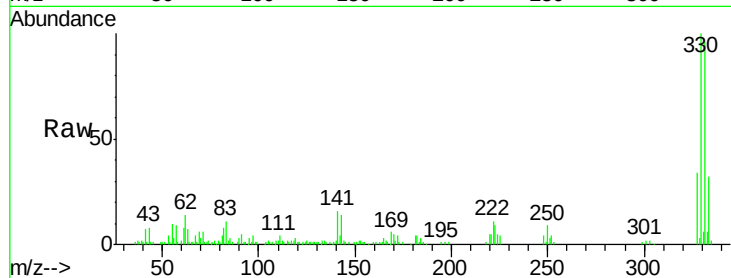




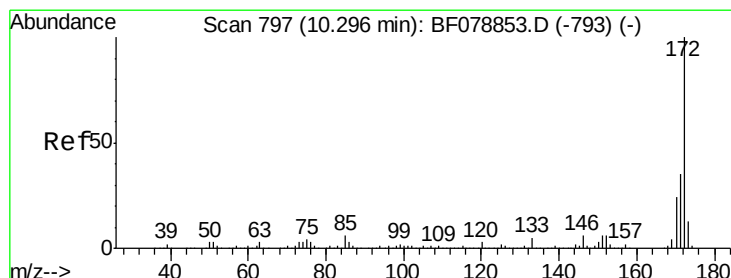
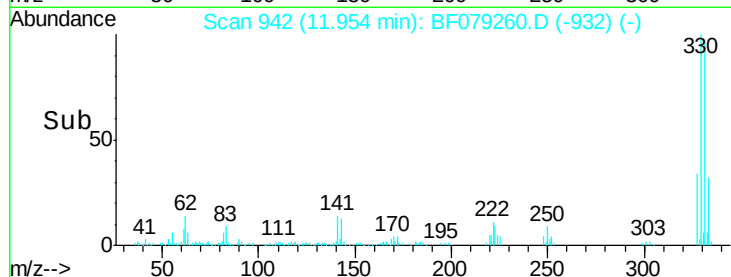
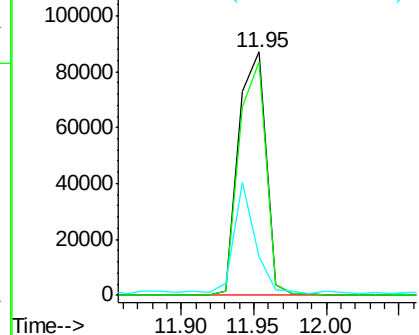
#41
 2,4,6-Tribromophenol
 Concen: 83.86 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Instrument :
 BNA_F
 ClientSampleId :
 CT1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.9	115.3
141	36.3	27.8	41.8

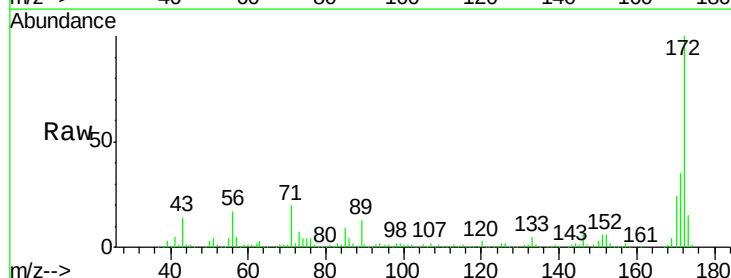


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

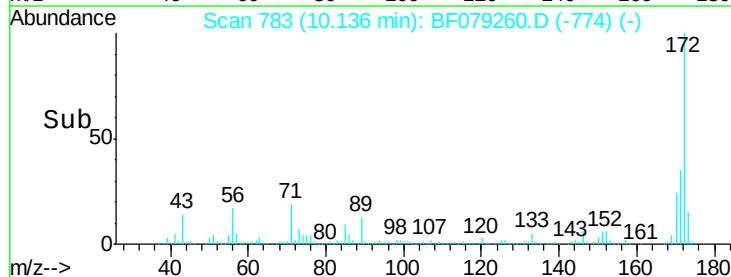
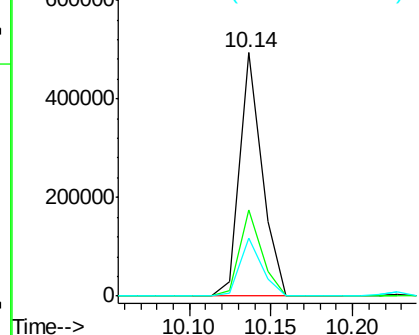


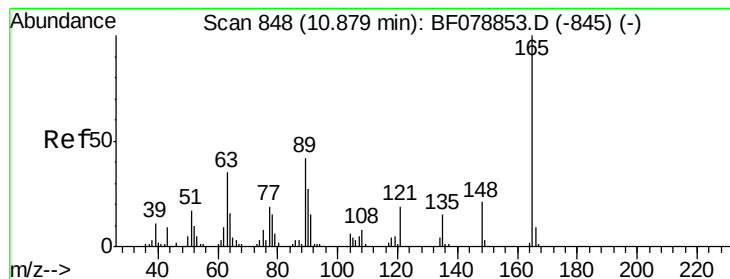
#44
 2-Fluorobiphenyl
 Concen: 51.15 ng
 RT: 10.14 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.8	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





#50

2,6-Dinitrotoluene

Concen: 8.54 ng

RT: 10.68 min Scan# 831

Delta R.T. -0.05 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

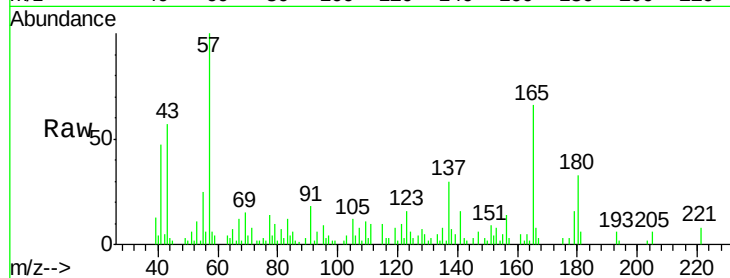
Tgt Ion:165 Resp: 15581

Ion Ratio Lower Upper

165 100

63 5.4 29.2 43.8#

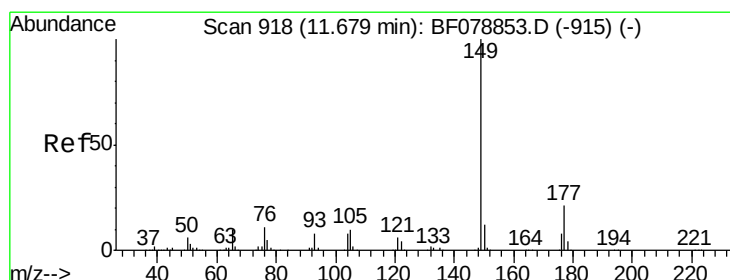
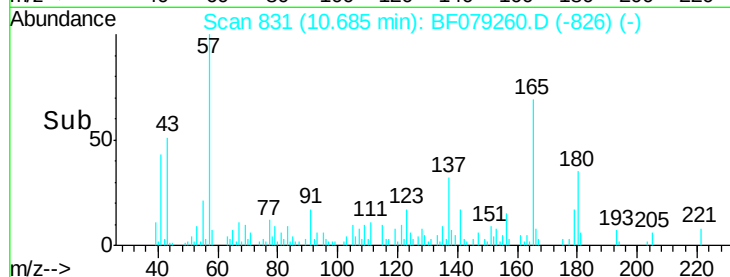
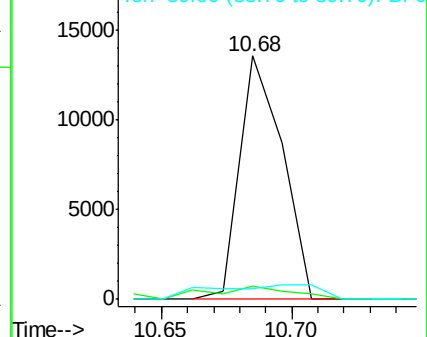
89 4.1 33.3 49.9#



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



#59

Diethylphthalate

Concen: 4.02 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

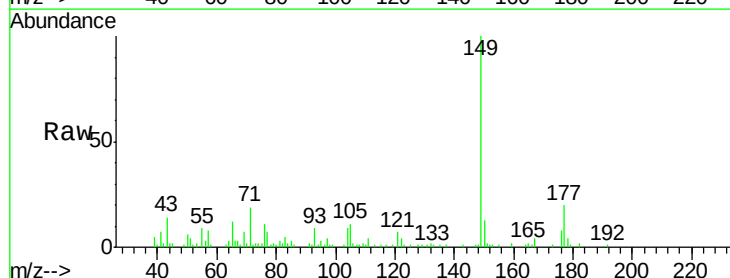
Tgt Ion:149 Resp: 36842

Ion Ratio Lower Upper

149 100

177 20.0 16.4 24.6

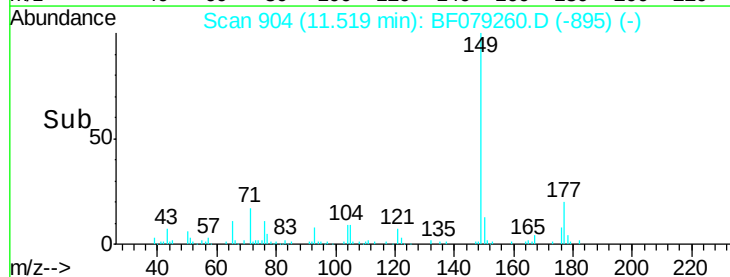
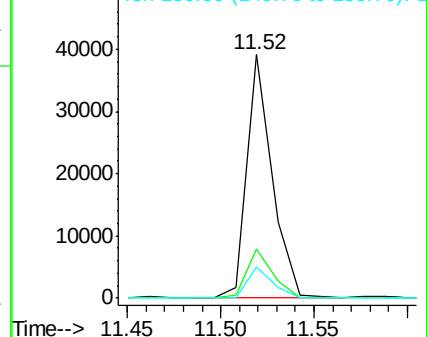
150 12.7 9.8 14.6

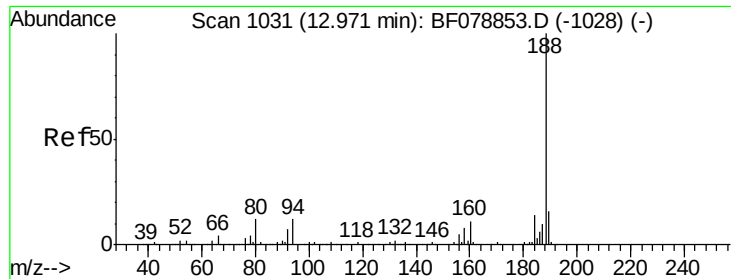


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

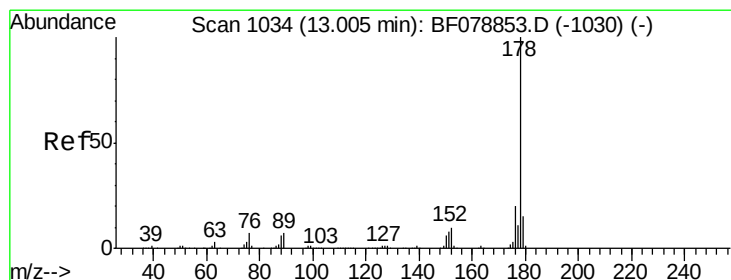
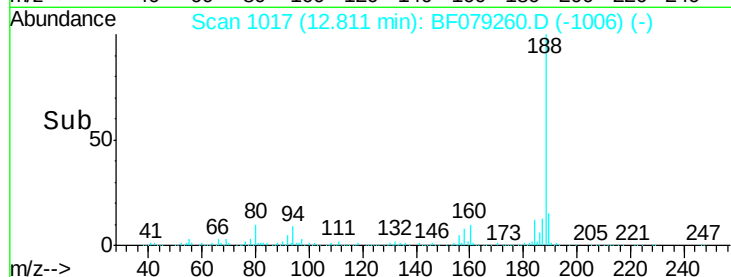
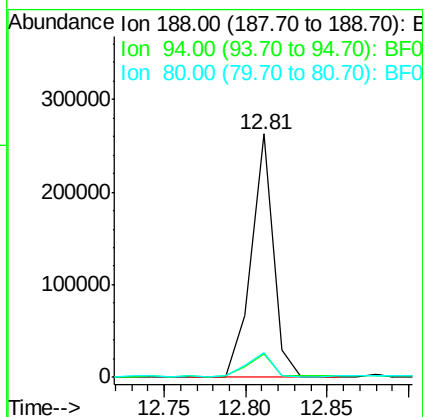
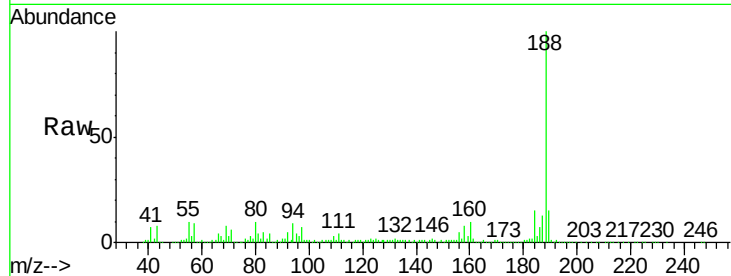




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

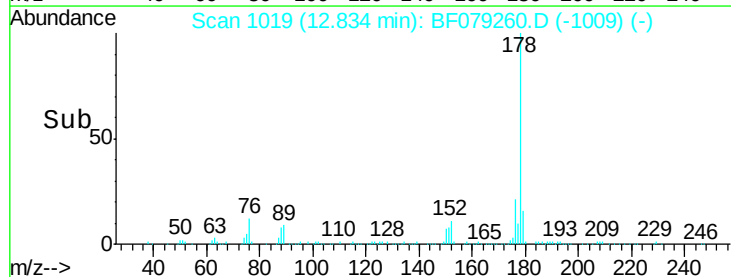
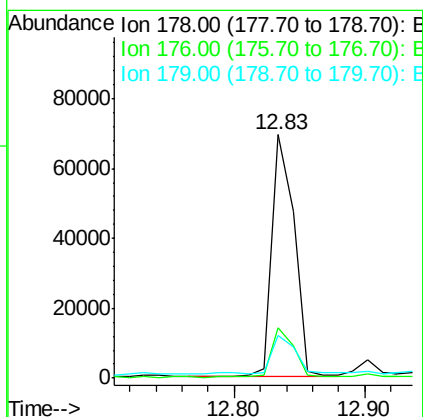
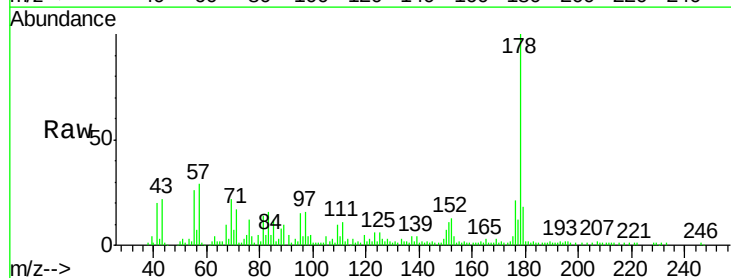
Instrument :
 BNA_F
 ClientSampleId :
 CT1

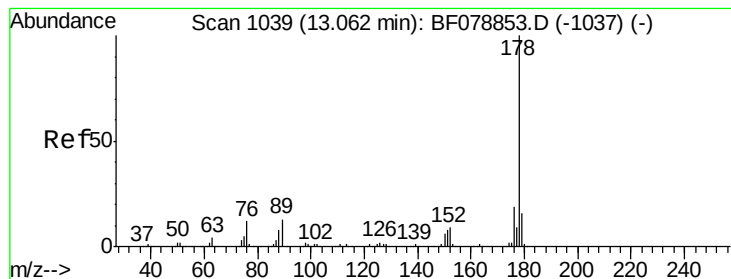
Tgt Ion:188 Resp: 248024
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.4 14.0
 80 10.1 9.8 14.6



#70
 Phenanthrene
 Concen: 5.97 ng
 RT: 12.83 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Tgt Ion:178 Resp: 82871
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.9 23.9
 179 17.8 12.2 18.4





#71

Anthracene

Concen: 6.07 ng

RT: 12.83 min Scan# 1019

Delta R.T. -0.07 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

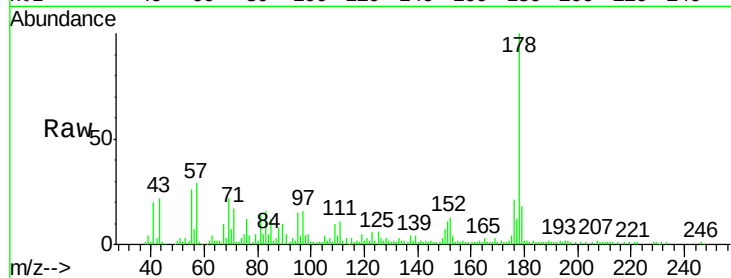
Tgt Ion:178 Resp: 82574

Ion Ratio Lower Upper

178 100

176 20.6 15.3 22.9

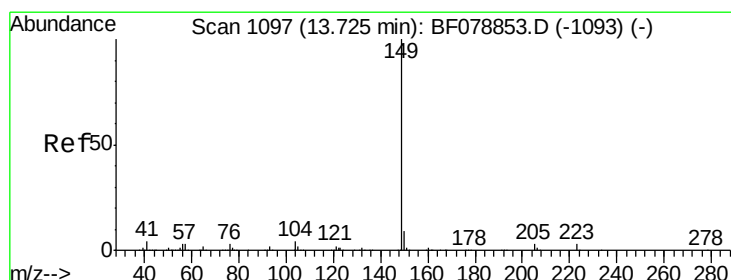
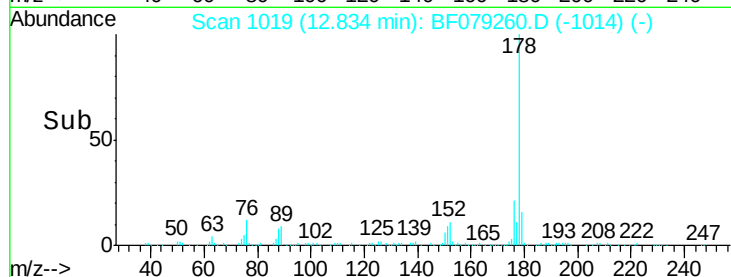
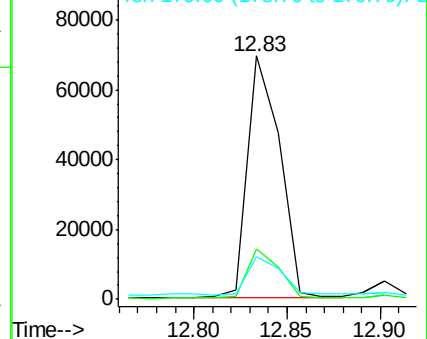
179 17.8 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 6.71 ng

RT: 13.57 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

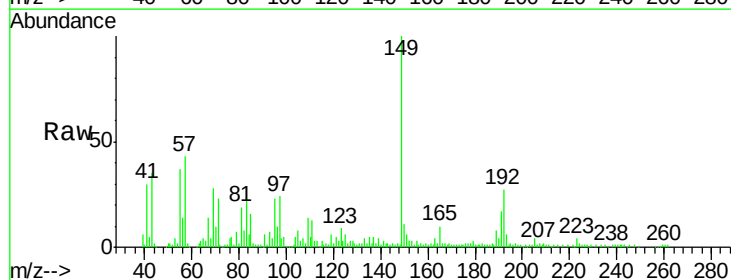
Tgt Ion:149 Resp: 104464

Ion Ratio Lower Upper

149 100

150 10.6 7.0 10.4#

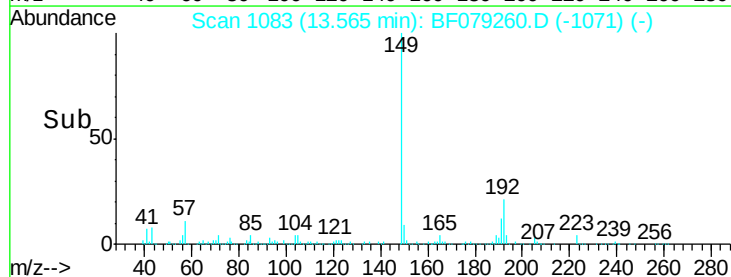
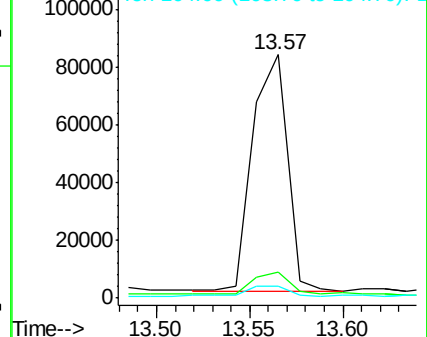
104 4.7 3.3 4.9

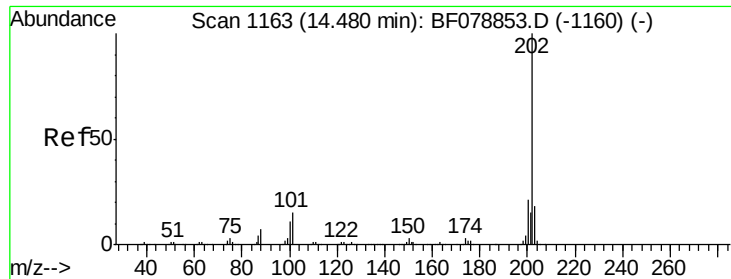


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 2.29 ng

RT: 14.32 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampleId :

CT1

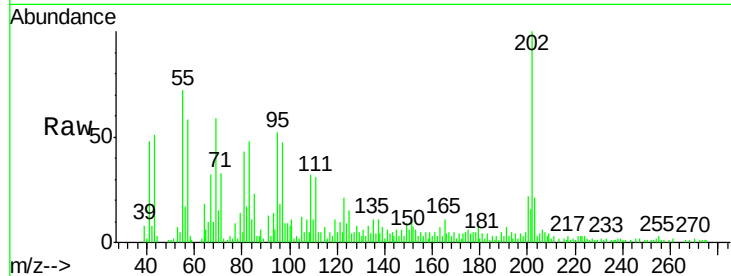
Tgt Ion:202 Resp: 33078

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.7

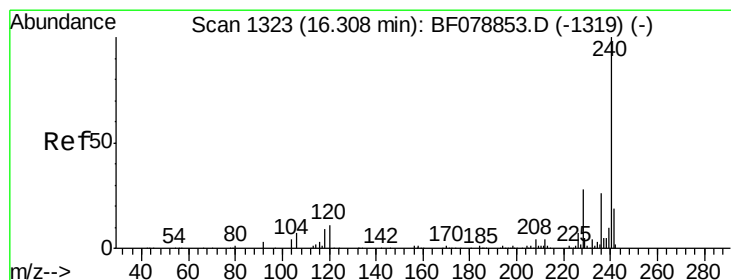
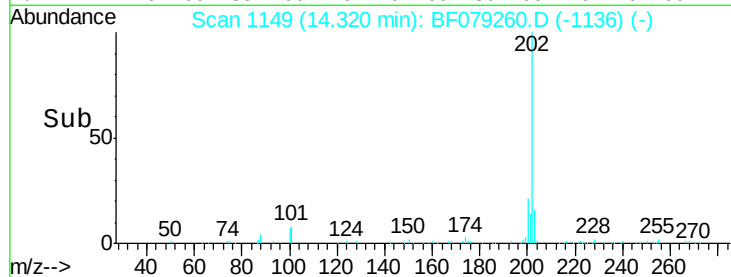
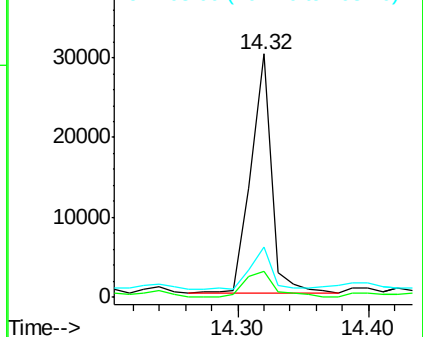
203 20.6 0.0 37.9



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: 16.10 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

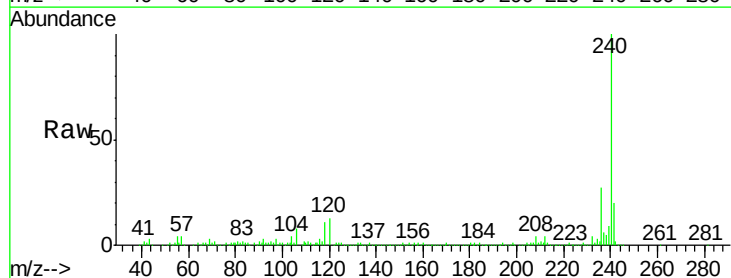
Tgt Ion:240 Resp: 272861

Ion Ratio Lower Upper

240 100

120 12.5 8.6 12.8

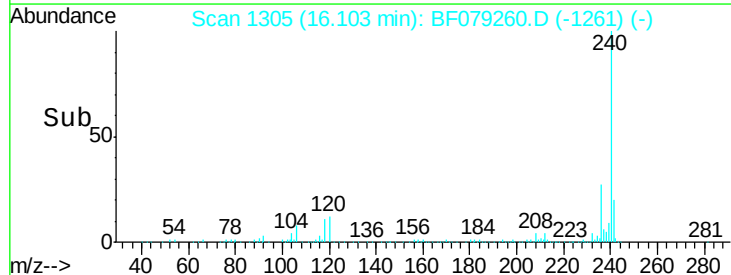
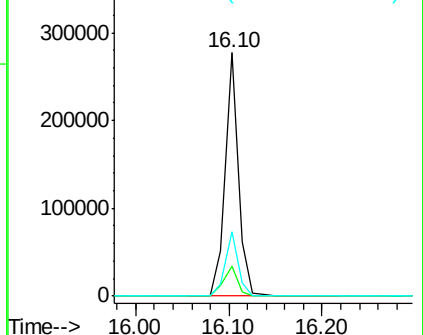
236 26.5 21.0 31.6

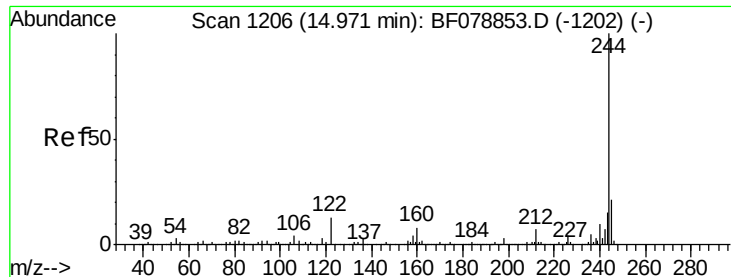


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 49.50 ng

RT: 14.81 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

Instrument :

BNA_F

ClientSampled :

CT1

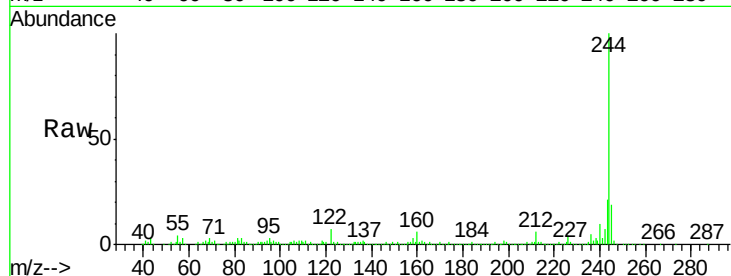
Tgt Ion:244 Resp: 564147

Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

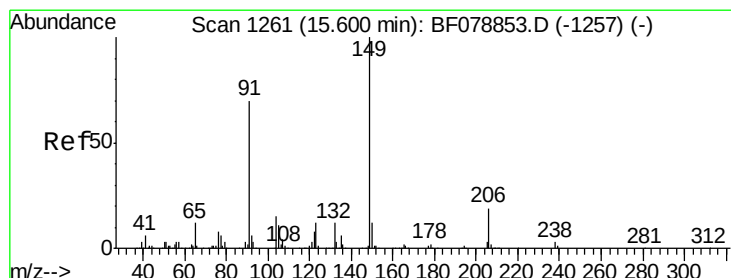
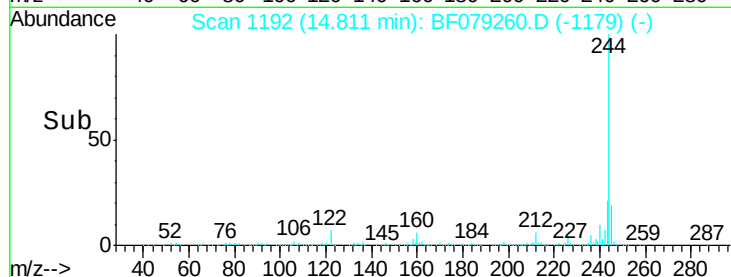
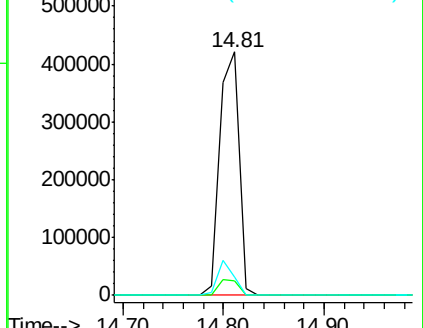
122 7.3 10.5 15.7#



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: 6.02 ng

RT: 15.43 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BF079260.D

Acq: 15 May 2015 7:23

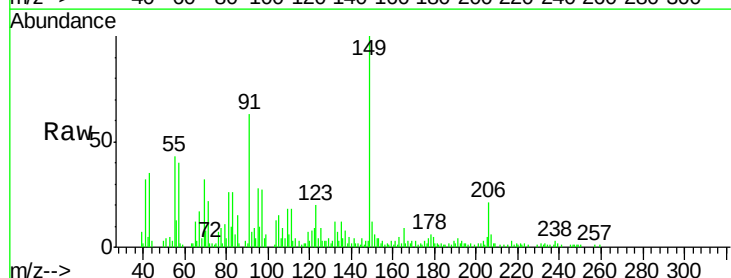
Tgt Ion:149 Resp: 41375

Ion Ratio Lower Upper

149 100

91 63.0 56.2 84.2

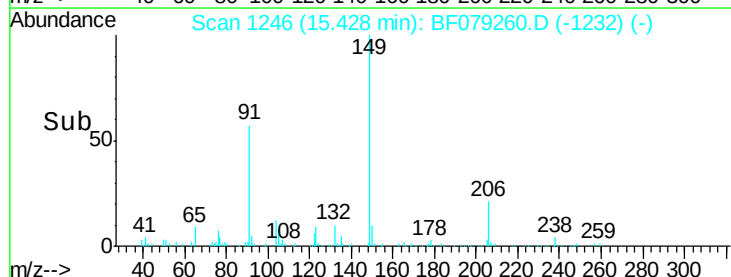
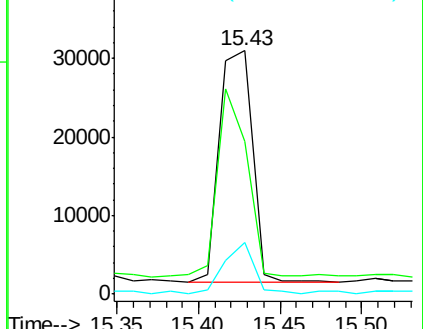
206 21.0 15.2 22.8

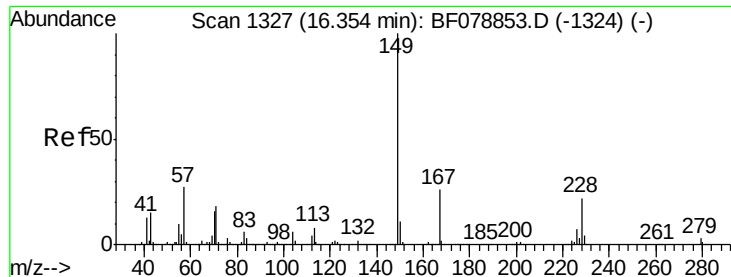


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

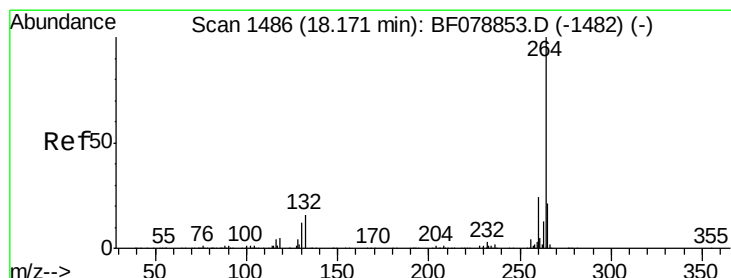
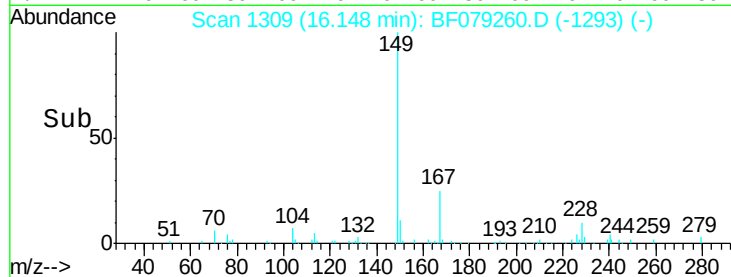
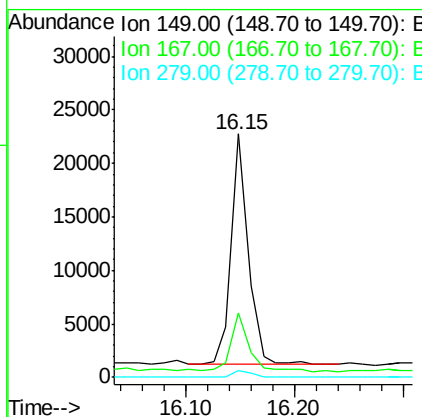
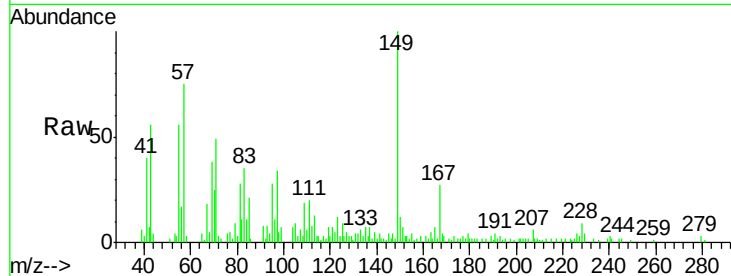




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.23 ng
 RT: 16.15 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Instrument :
 BNA_F
 ClientSampleId :
 CT1

Tgt Ion:149 Resp: 23175
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.2 31.8
 279 3.0 2.6 4.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.87 min Scan# 1460
 Delta R.T. 0.06 min
 Lab File: BF079260.D
 Acq: 15 May 2015 7:23

Tgt Ion:264 Resp: 290845
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 22.0 17.2 25.8

