

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078982.D
 Acq On : 7 May 2015 6:39
 Operator : TP/IZ
 Sample : G2089-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CT2

Quant Time: May 07 07:26:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 05:28:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	66719	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	289258	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	143515	20.00	ng	0.00
63) Phenanthrene-d10	12.96	188	260672	20.00	ng	0.01
75) Chrysene-d12	16.29	240	165080	20.00	ng	0.03
86) Perylene-d12	18.05	264	195321	20.00	ng	0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	192516	49.67	ng	0.01
7) Phenol-d6	6.90	99	370069	72.23	ng	0.00
23) Nitrobenzene-d5	8.03	82	252190	50.11	ng	-0.01
41) 2,4,6-Tribromophenol	12.09	330	37234	23.98	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	548676	53.26	ng	0.00
78) Terphenyl-d14	14.97	244	420429	60.97	ng	0.02

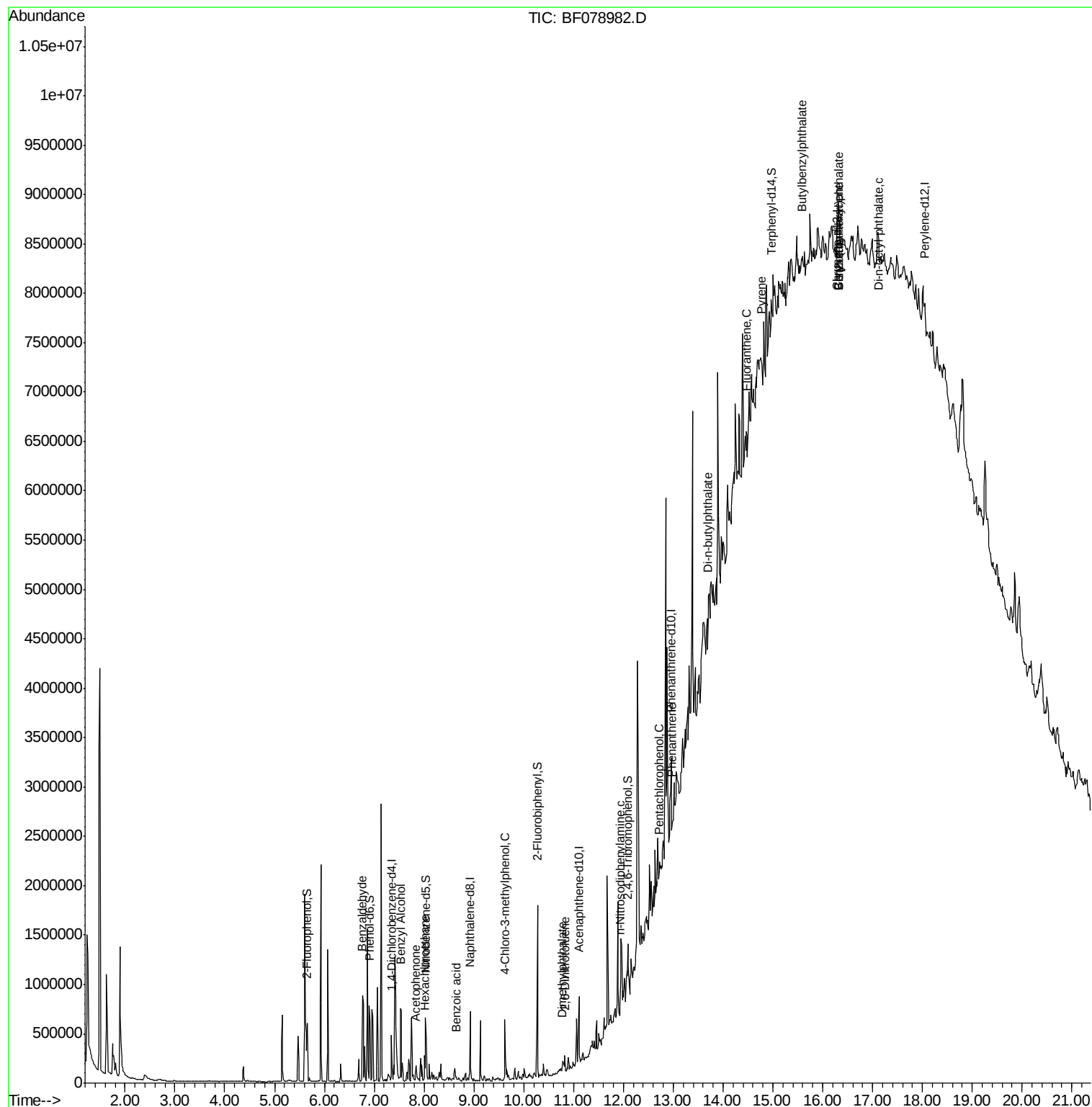
Target Compounds						Qvalue
9) Benzaldehyde	6.76	77	58019	16.81	ng	# 1
15) Benzyl Alcohol	7.53	79	15956	4.20	ng	89
18) Hexachloroethane	8.01	117	7630	4.36	ng	# 1
22) Acetophenone	7.84	105	47060	7.20	ng	# 54
32) Benzoic acid	8.64	122	216	6.38	ng	# 1
36) 4-Chloro-3-methylphenol	9.62	107	147844	38.31	ng	99
49) Dimethylphthalate	10.78	163	28552	2.71	ng	100
50) 2,6-Dinitrotoluene	10.82	165	9608	4.62	ng	# 22
65) n-Nitrosodiphenylamine	11.94	169	19551	2.25	ng	# 73
69) Pentachlorophenol	12.71	266	213	6.95	ng	# 1
70) Phenanthrene	12.98	178	60351	4.14	ng	# 76
73) Di-n-butylphthalate	13.70	149	76164	4.66	ng	# 80
74) Fluoranthene	14.48	202	39852	2.62	ng	# 57
77) Pyrene	14.77	202	43309	4.55	ng	# 62
79) Butylbenzylphthalate	15.59	149	69949	16.82	ng	# 74
80) Benzo(a)anthracene	16.32	228	33297	3.68	ng	# 29
82) Chrysene	16.32	228	34265	3.94	ng	# 35
83) Bis(2-ethylhexyl)phthalate	16.32	149	427546	67.88	ng	# 92
84) Di-n-octyl phthalate	17.12	149	23243	2.10	ng	# 100

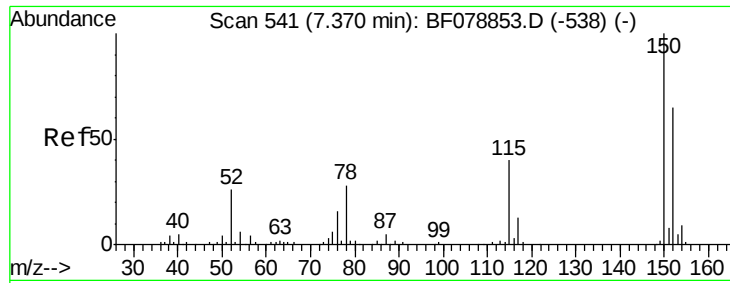
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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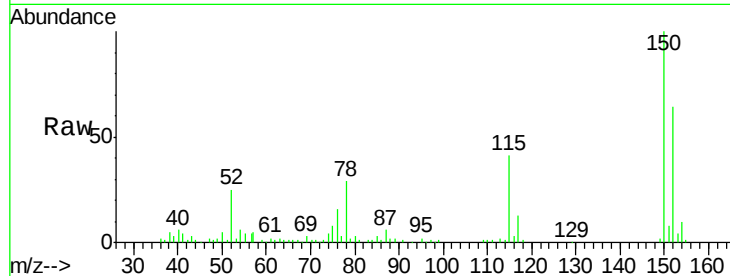




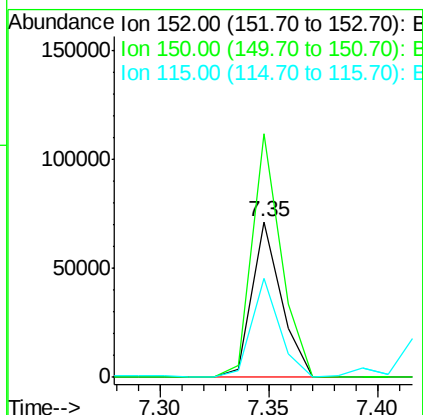
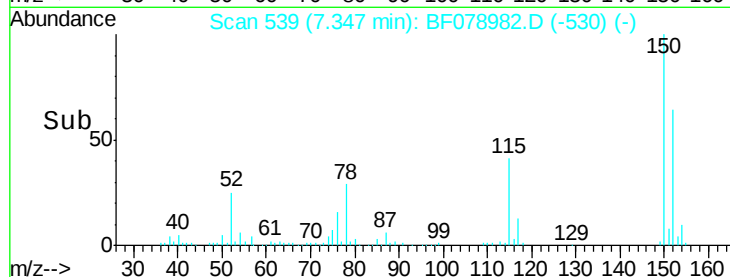
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 CT2

Tgt Ion:152 Resp: 66719
 Ion Ratio Lower Upper
 152 100
 150 156.8 122.0 183.0
 115 63.7 46.3 69.5

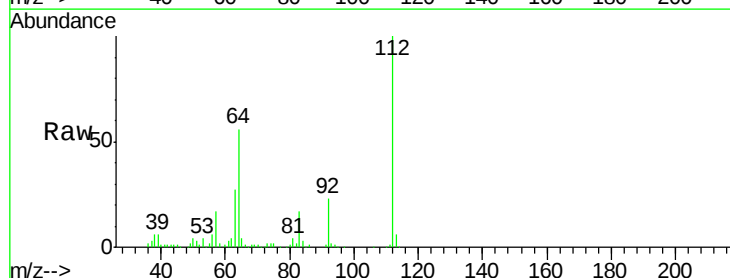


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

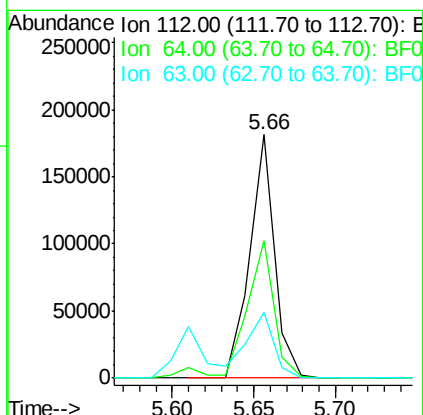
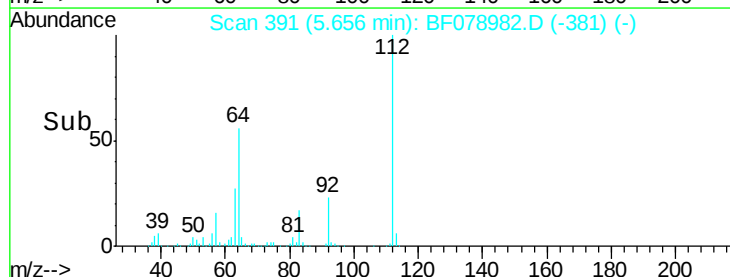


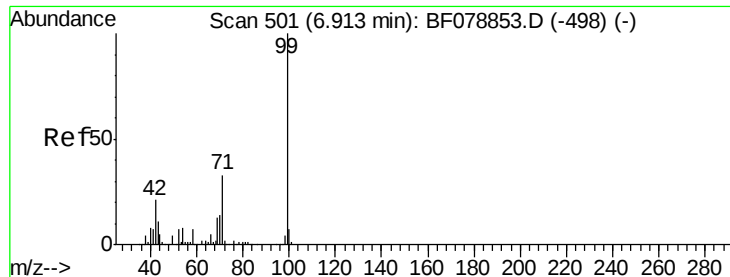
#5
 2-Fluorophenol
 Concen: 49.67 ng
 RT: 5.66 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Tgt Ion:112 Resp: 192516
 Ion Ratio Lower Upper
 112 100
 64 56.3 53.5 80.3
 63 27.2 27.5 41.3#



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: 72.23 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

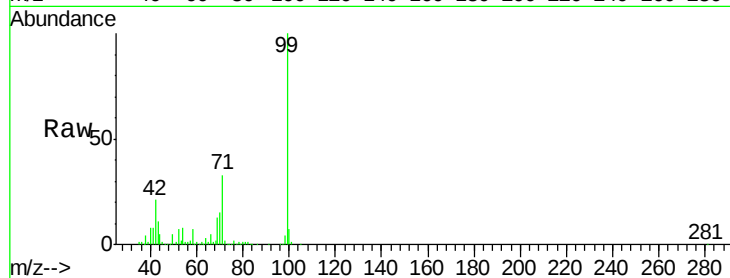
Tgt Ion: 99 Resp: 370069

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

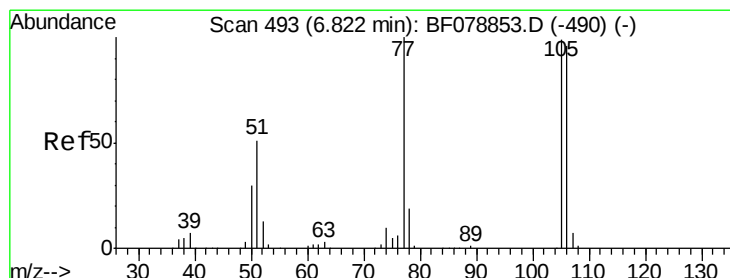
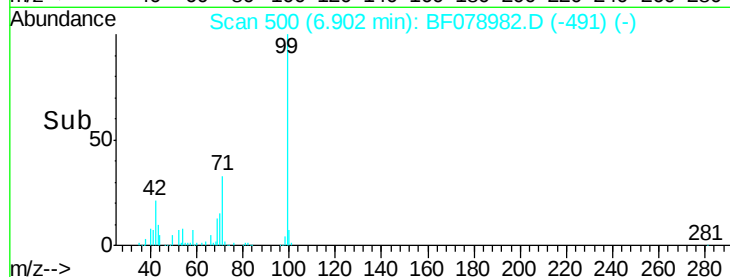
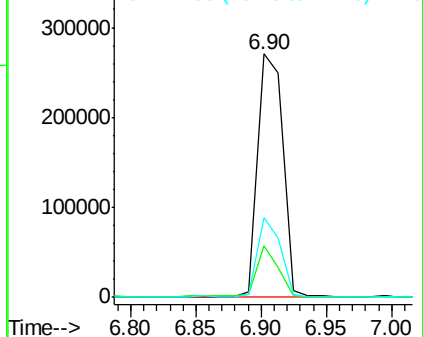
71 32.7 23.4 35.2



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



#9

Benzaldehyde

Concen: 16.81 ng

RT: 6.76 min Scan# 488

Delta R.T. -0.03 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

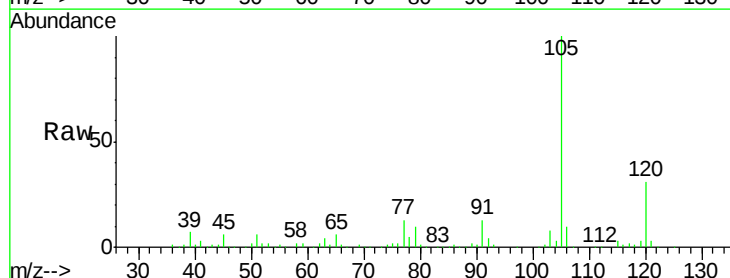
Tgt Ion: 77 Resp: 58019

Ion Ratio Lower Upper

77 100

105 762.3 81.7 121.7#

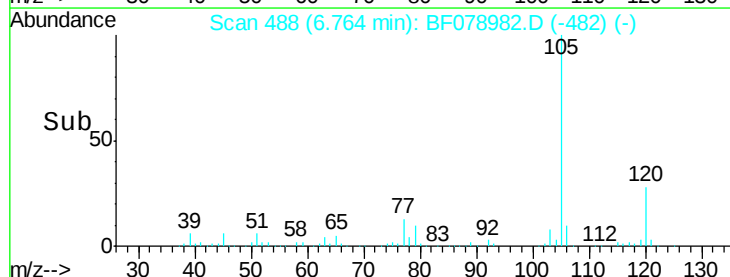
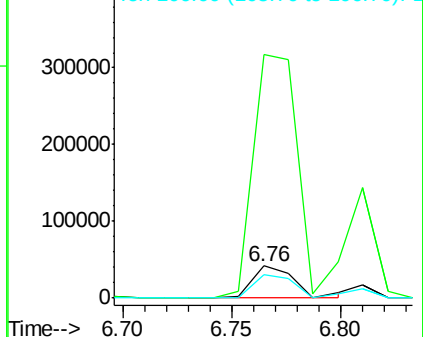
106 72.7 79.0 119.0#

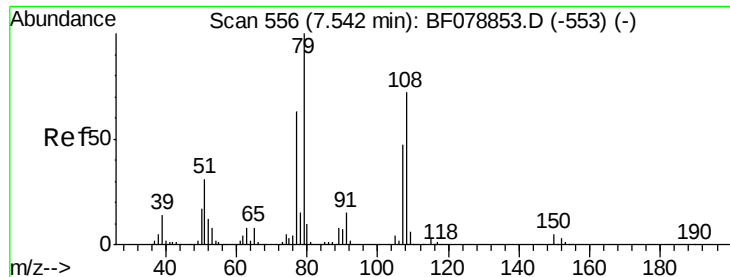


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 4.20 ng

RT: 7.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

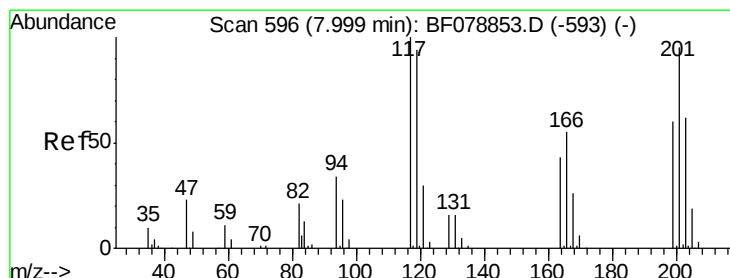
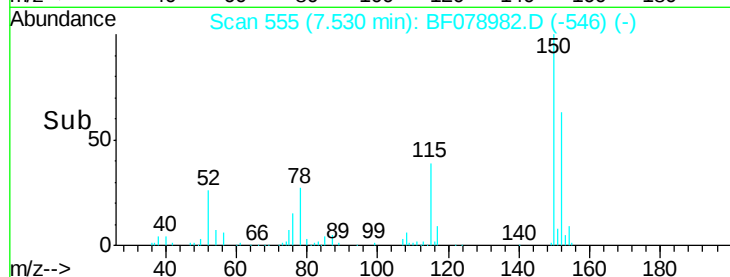
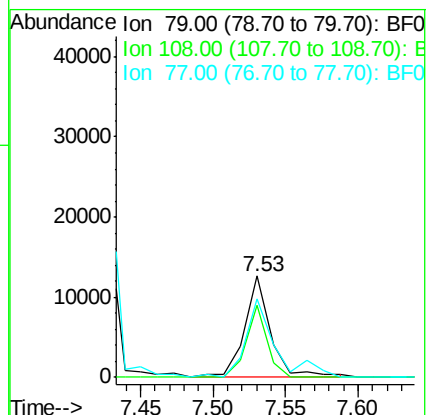
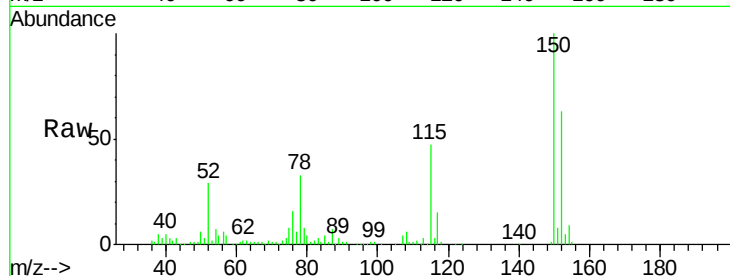
Tgt Ion: 79 Resp: 15956

Ion Ratio Lower Upper

79 100

108 71.1 62.5 93.7

77 77.0 52.2 78.4



#18

Hexachloroethane

Concen: 4.36 ng

RT: 8.01 min Scan# 597

Delta R.T. 0.03 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

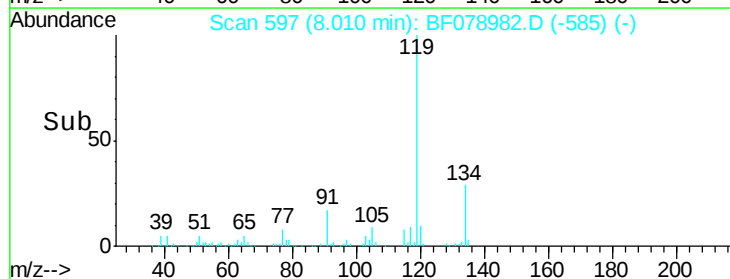
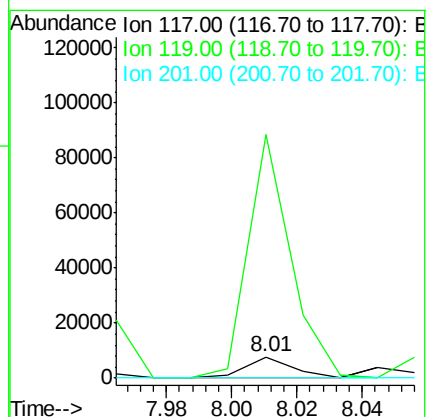
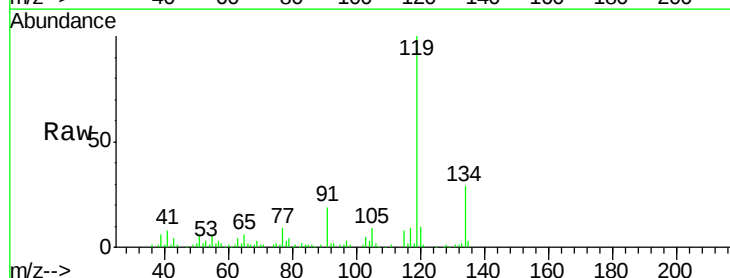
Tgt Ion: 117 Resp: 7630

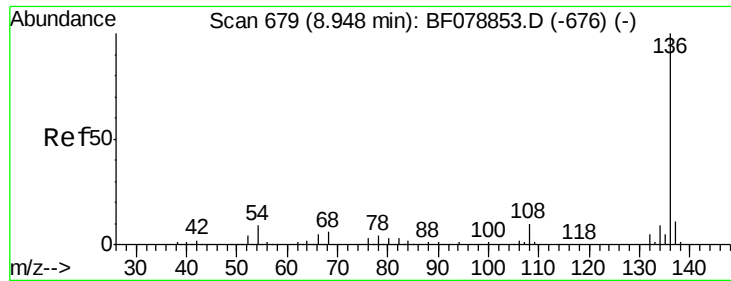
Ion Ratio Lower Upper

117 100

119 1142.2 75.4 113.0#

201 0.0 83.2 124.8#

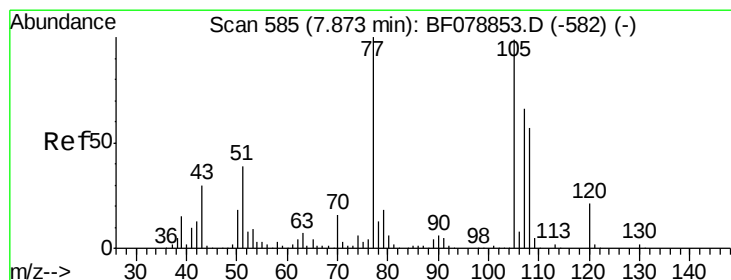
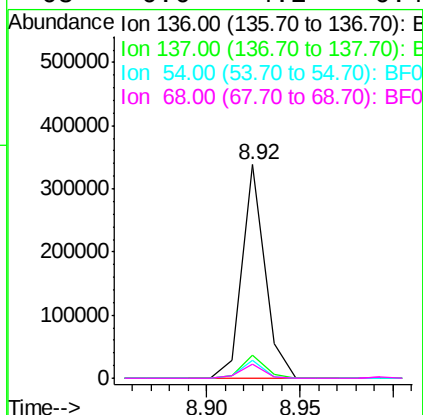
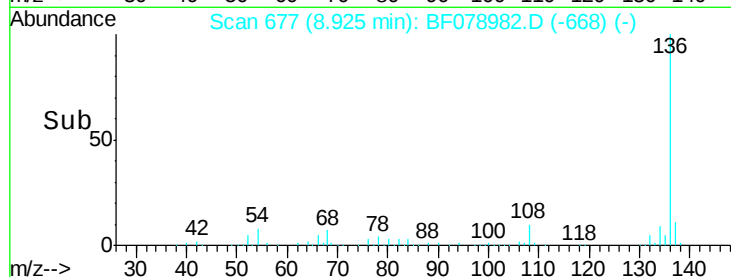
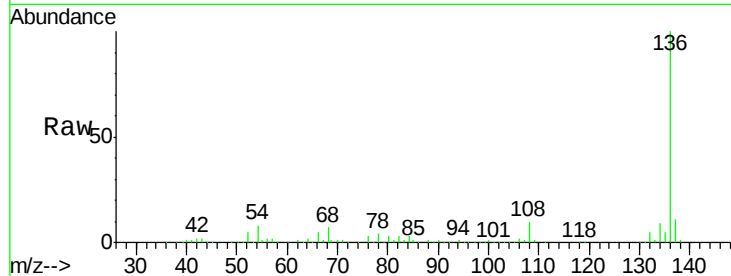




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

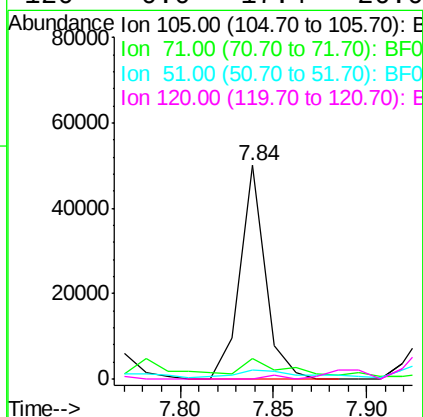
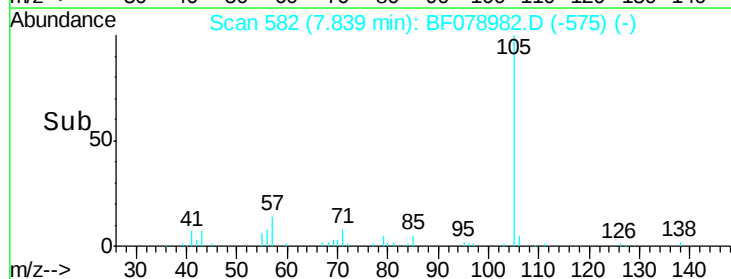
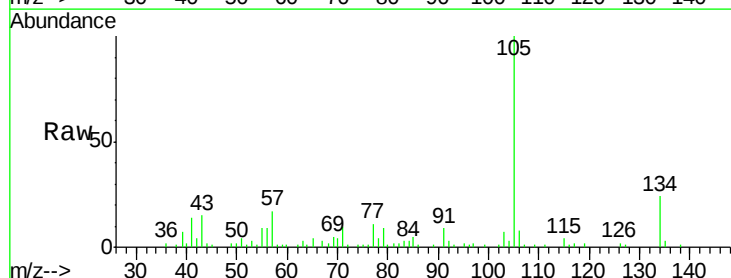
Instrument :
BNA_F
ClientSampleId :
CT2

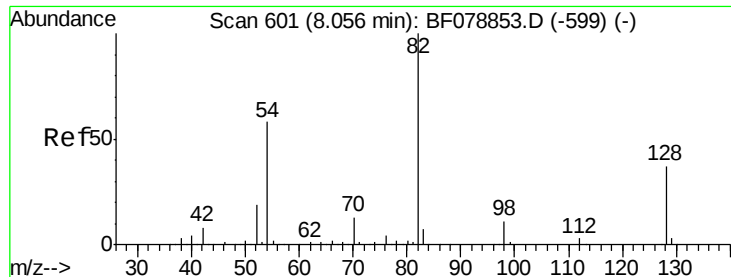
Tgt Ion:	136	Resp:	289258
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	8.2	5.8	8.8
68	6.6	4.2	6.4#



#22
Acetophenone
Concen: 7.20 ng
RT: 7.84 min Scan# 582
Delta R.T. -0.02 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Tgt Ion:	105	Resp:	47060
Ion Ratio	Lower	Upper	
105	100		
71	9.9	4.6	6.8#
51	4.4	26.7	40.1#
120	0.0	17.4	26.0#

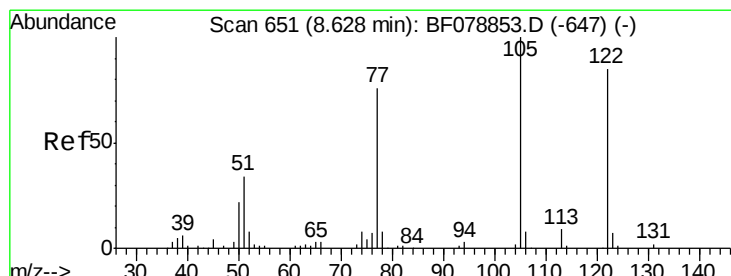
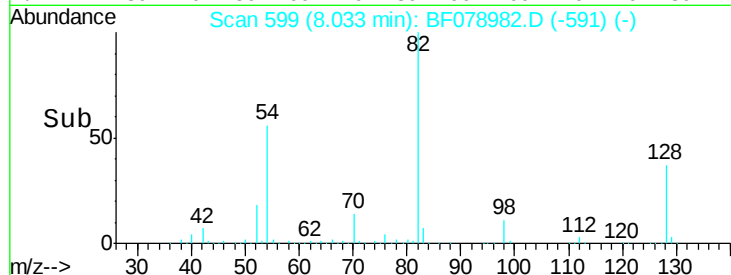
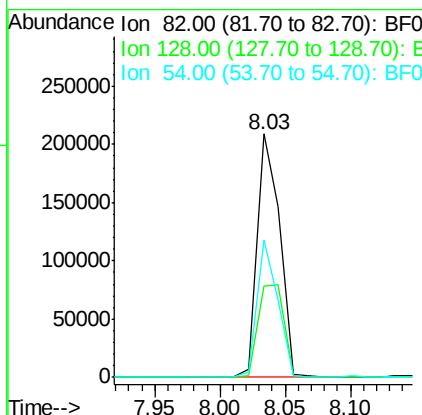
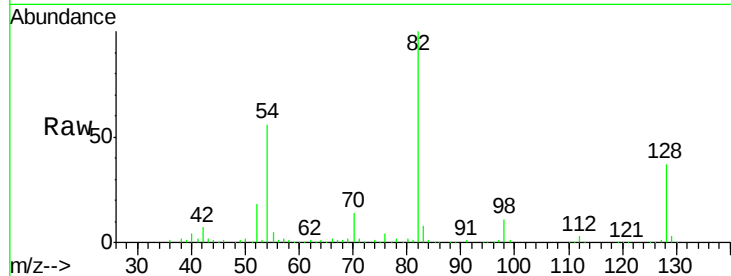




#23
Nitrobenzene-d5
Concen: 50.11 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

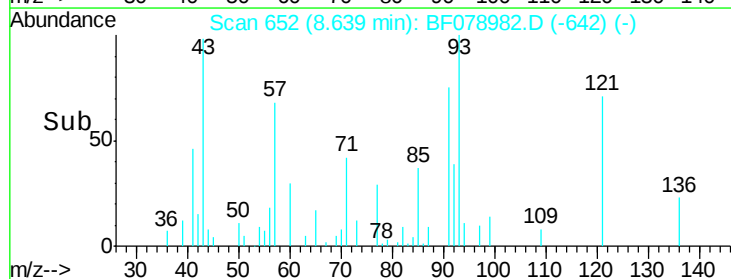
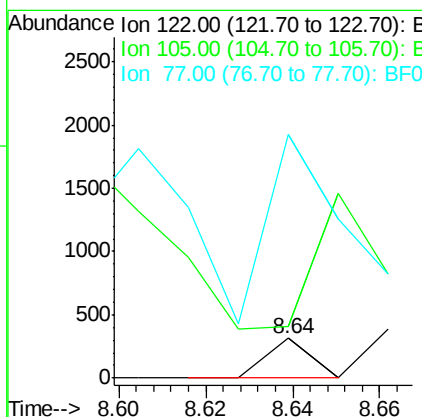
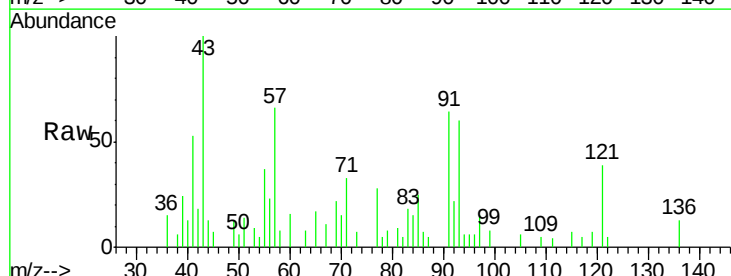
Instrument :
BNA_F
ClientSampleId :
CT2

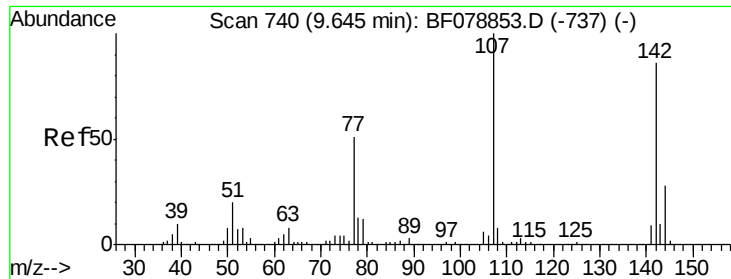
Tgt Ion: 82 Resp: 252190
Ion Ratio Lower Upper
82 100
128 37.5 30.0 45.0
54 56.4 46.4 69.6



#32
Benzoic acid
Concen: 6.38 ng
RT: 8.64 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Tgt Ion: 122 Resp: 216
Ion Ratio Lower Upper
122 100
105 130.2 107.1 147.1
77 610.8 73.9 113.9#

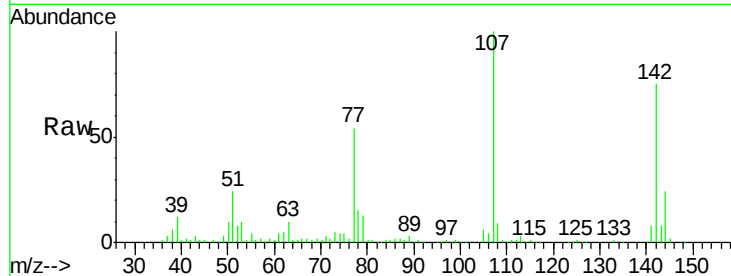




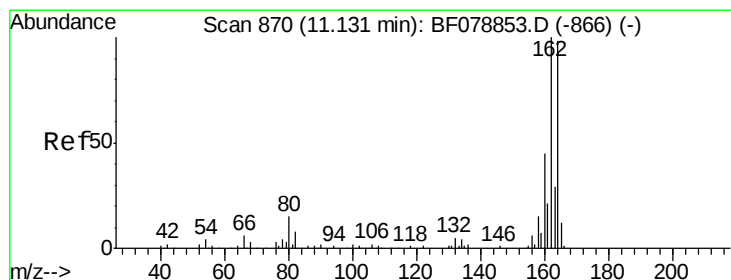
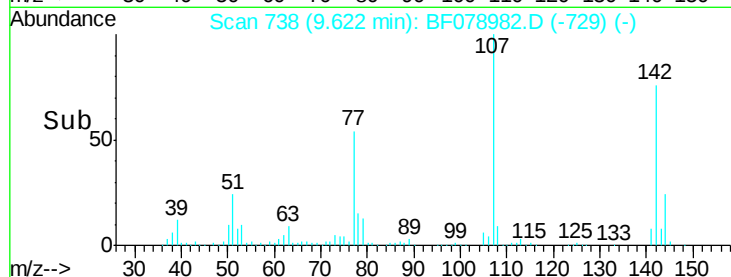
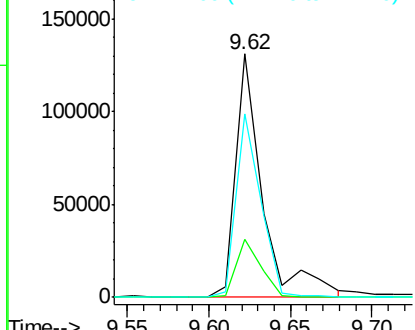
#36
4-Chloro-3-methylphenol
Concen: 38.31 ng
RT: 9.62 min Scan# 738
Delta R.T. -0.00 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Instrument :
BNA_F
ClientSampleId :
CT2

Tgt Ion:107 Resp: 147844
Ion Ratio Lower Upper
107 100
144 23.8 19.8 29.6
142 75.4 60.6 91.0

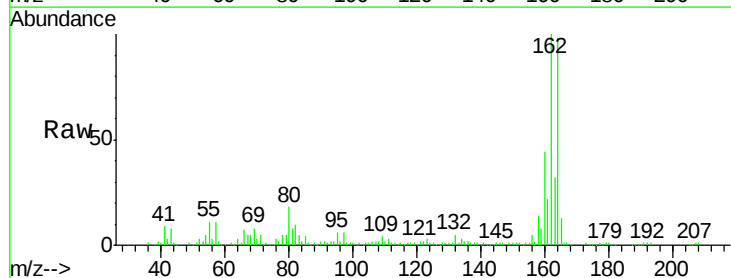


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

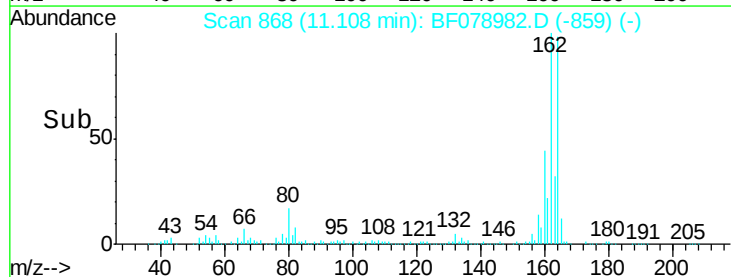
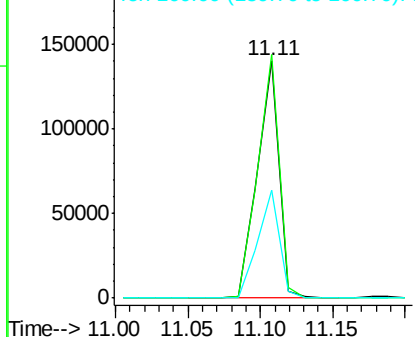


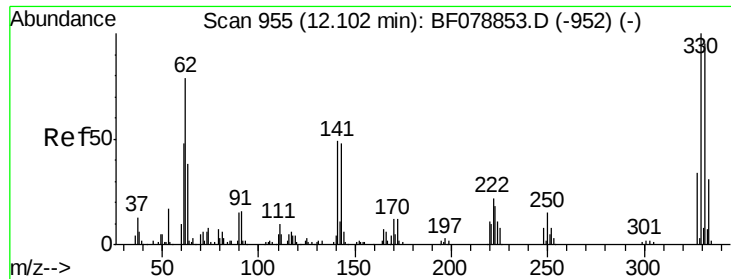
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Tgt Ion:164 Resp: 143515
Ion Ratio Lower Upper
164 100
162 102.4 82.7 124.1
160 45.4 35.8 53.8



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

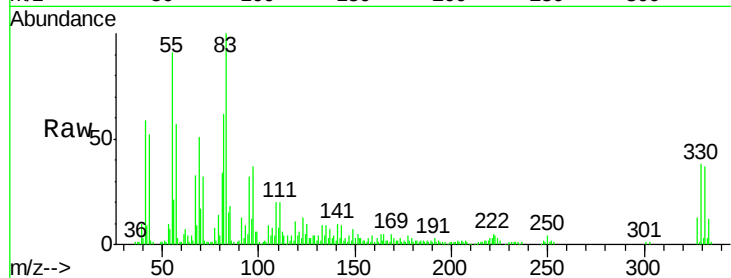




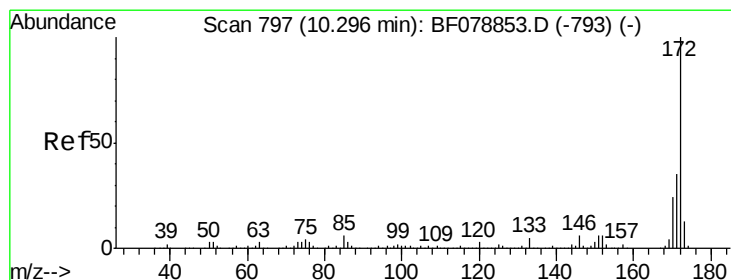
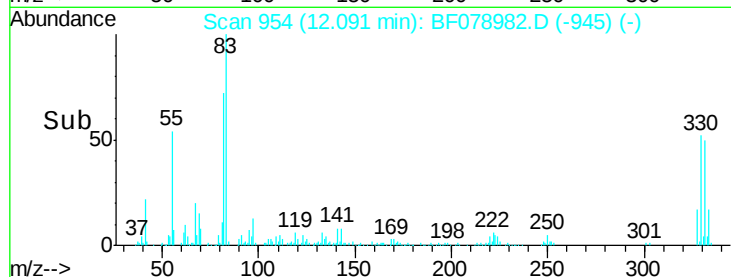
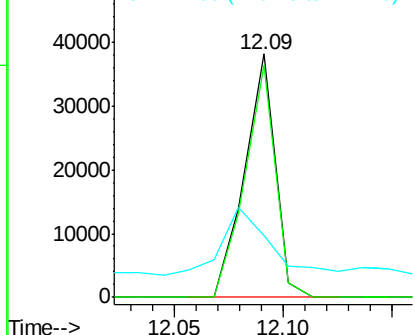
#41
 2,4,6-Tribromophenol
 Concen: 23.98 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 CT2

Tgt Ion:330 Resp: 37234
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 54.1 0.0 0.0#

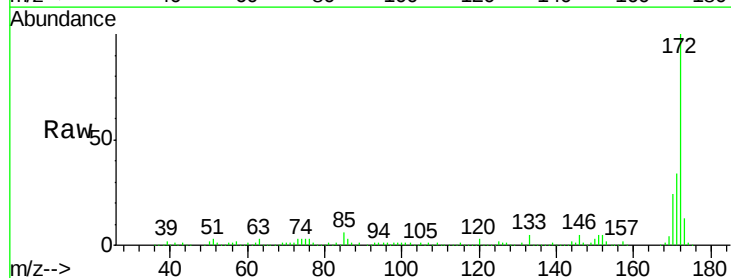


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

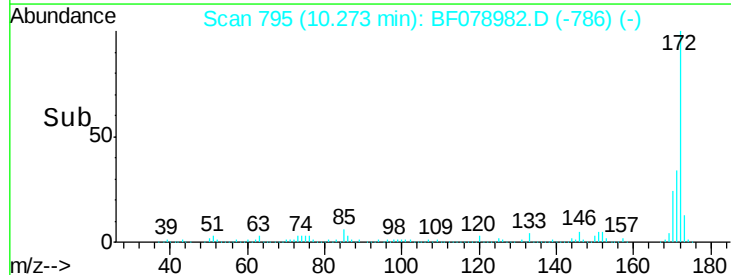
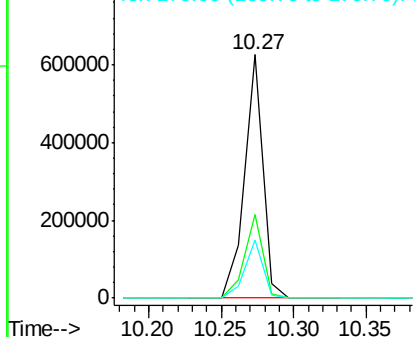


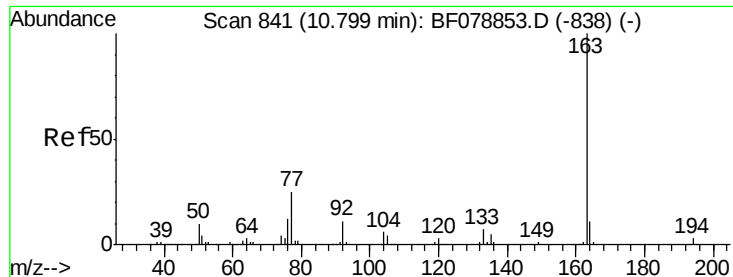
#44
 2-Fluorobiphenyl
 Concen: 53.26 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Tgt Ion:172 Resp: 548676
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.9 41.9
 170 23.7 19.4 29.0



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

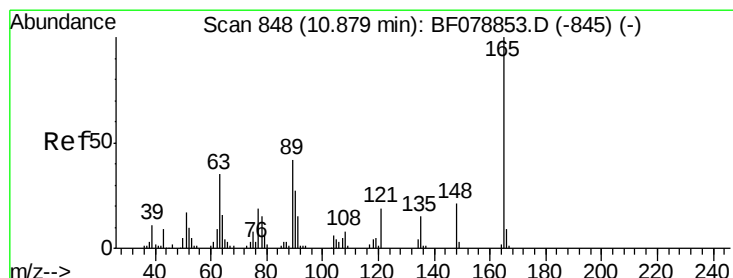
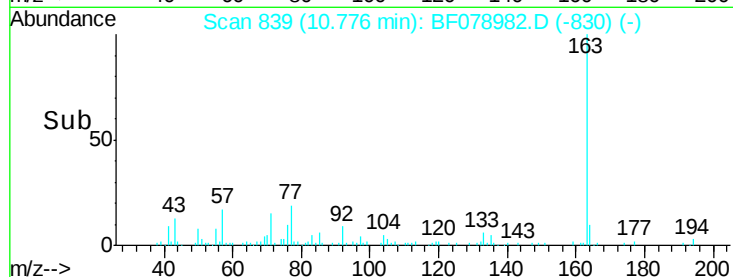
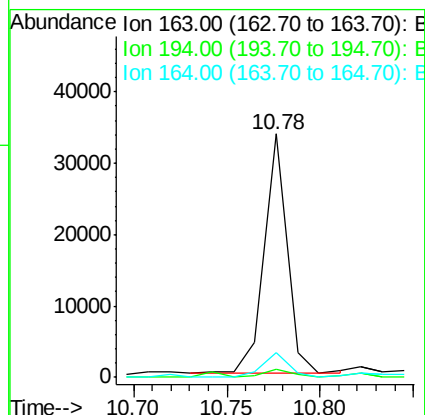
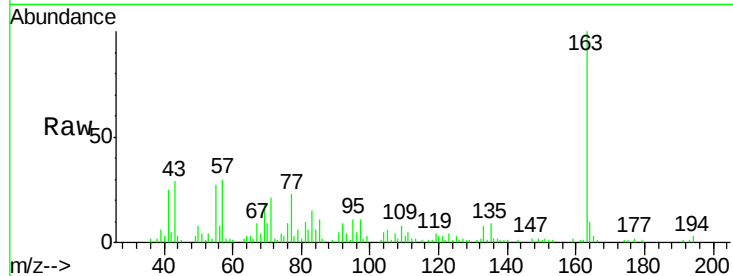




#49
Dimethylphthalate
Concen: 2.71 ng
RT: 10.78 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

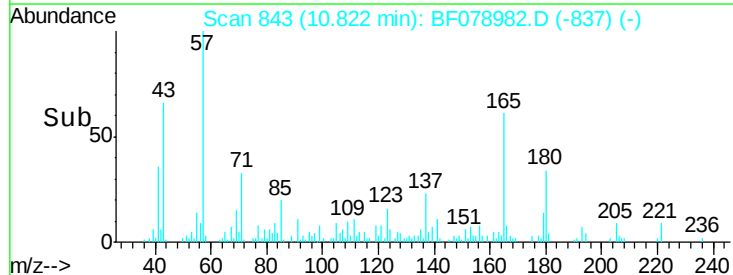
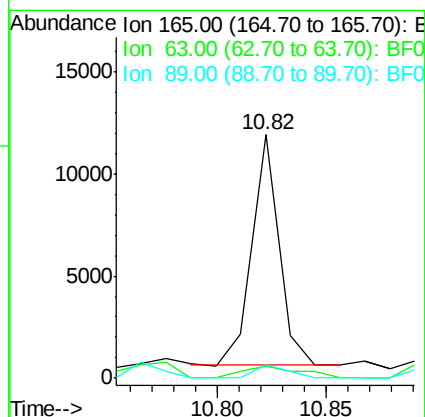
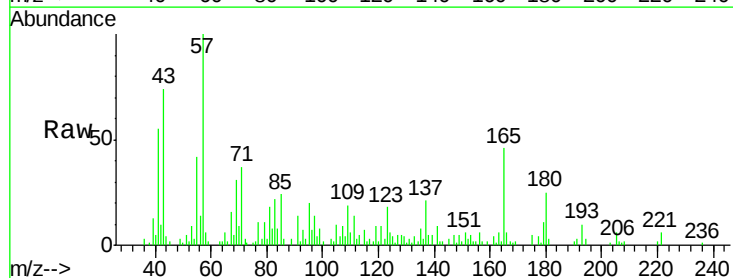
Instrument :
BNA_F
ClientSampleId :
CT2

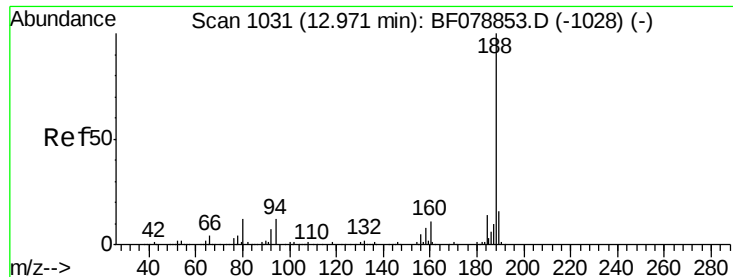
Tgt Ion:163 Resp: 28552
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.2 8.1 12.1



#50
2,6-Dinitrotoluene
Concen: 4.62 ng
RT: 10.82 min Scan# 843
Delta R.T. -0.03 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Tgt Ion:165 Resp: 9608
Ion Ratio Lower Upper
165 100
63 5.1 54.4 81.6#
89 5.4 55.7 83.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.96 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

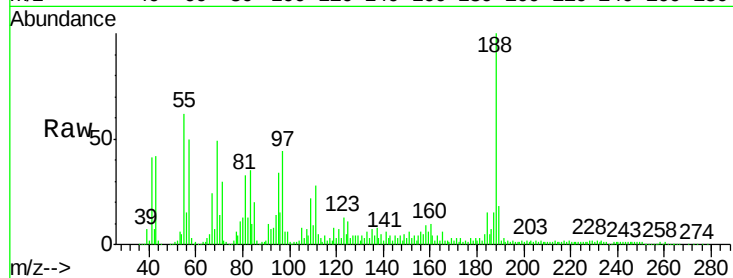
Tgt Ion:188 Resp: 260672

Ion Ratio Lower Upper

188 100

94 13.5 8.2 12.2#

80 12.9 8.9 13.3



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

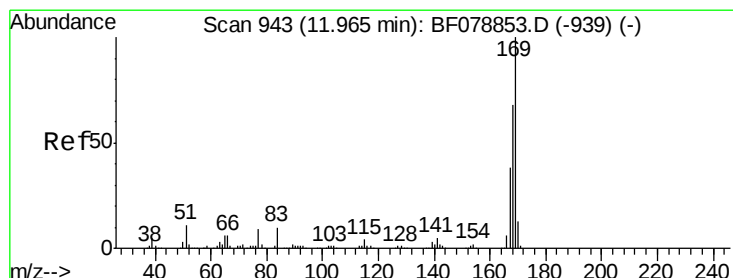
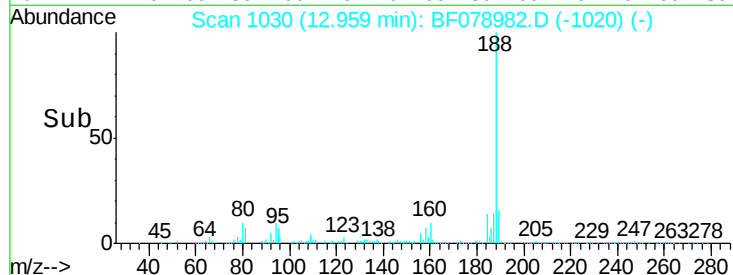
12.96

200000

100000

0

Time-->



#65

n-Nitrosodiphenylamine

Concen: 2.25 ng

RT: 11.94 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

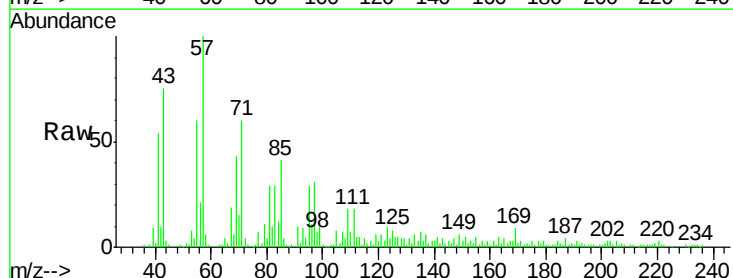
Tgt Ion:169 Resp: 19551

Ion Ratio Lower Upper

169 100

168 38.5 54.6 82.0#

167 33.2 30.6 45.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

11.94

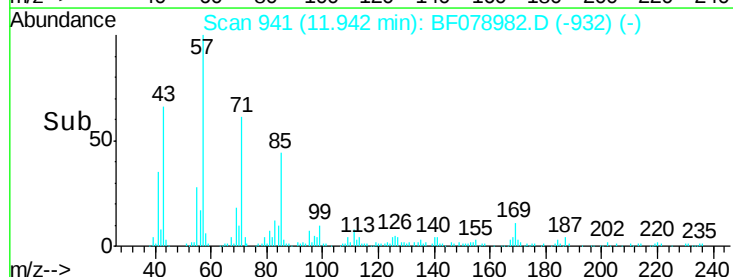
8000

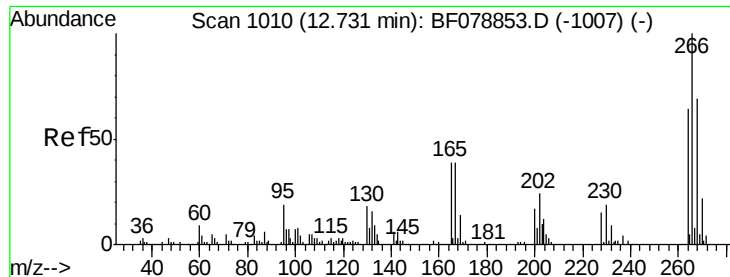
4000

2000

0

Time-->

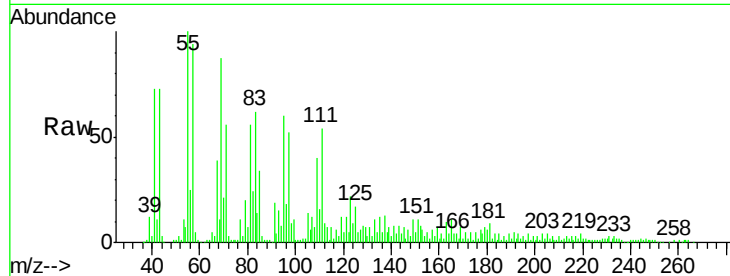




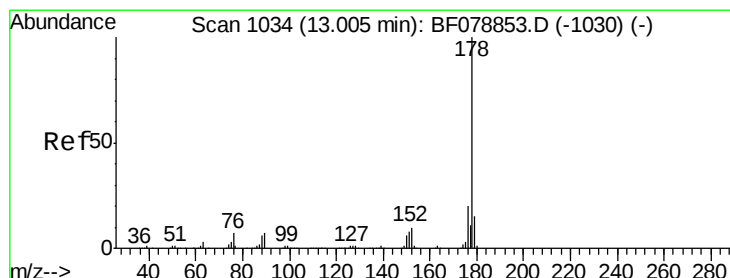
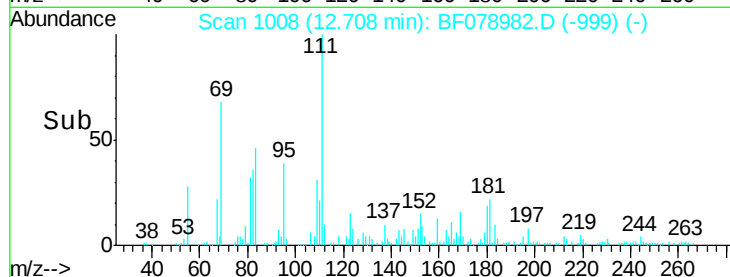
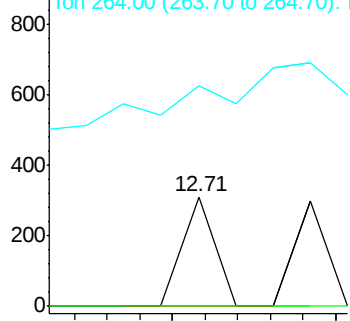
#69
 Pentachlorophenol
 Concen: 6.95 ng
 RT: 12.71 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 CT2

Tgt Ion: 266 Resp: 213
 Ion Ratio Lower Upper
 266 100
 268 0.0 55.0 82.6#
 264 201.3 48.2 72.2#

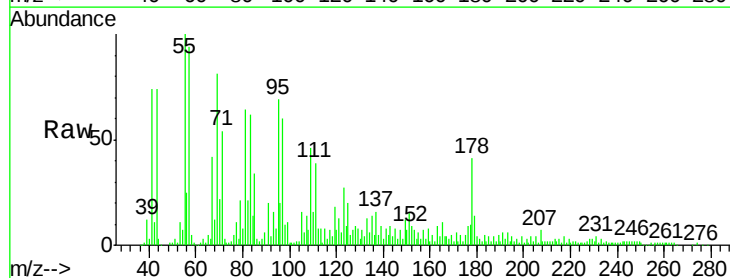


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

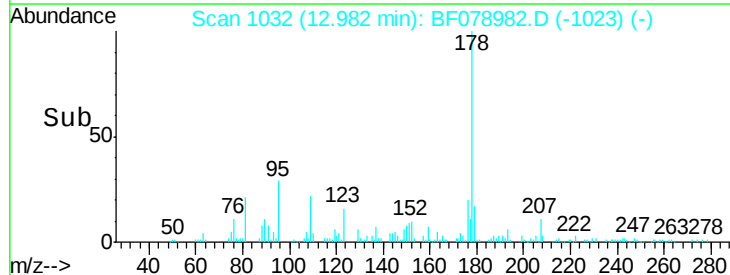
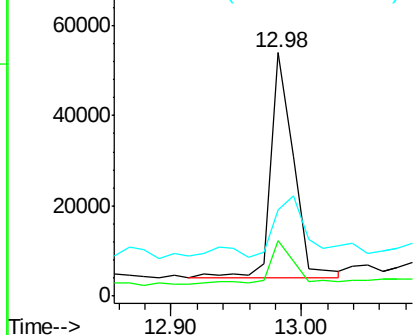


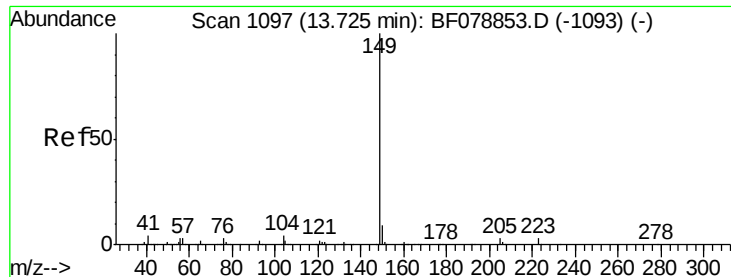
#70
 Phenanthrene
 Concen: 4.14 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Tgt Ion: 178 Resp: 60351
 Ion Ratio Lower Upper
 178 100
 176 22.8 15.8 23.8
 179 35.2 12.5 18.7#



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: 4.66 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

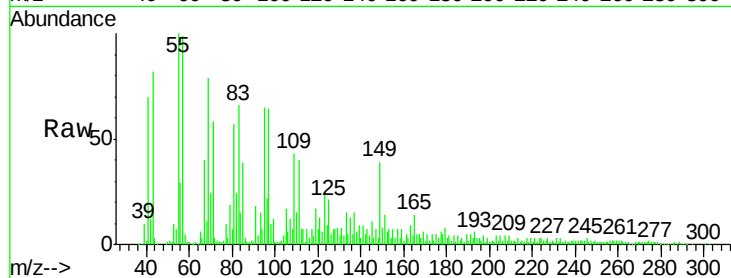
Tgt Ion:149 Resp: 76164

Ion Ratio Lower Upper

149 100

150 19.3 7.7 11.5#

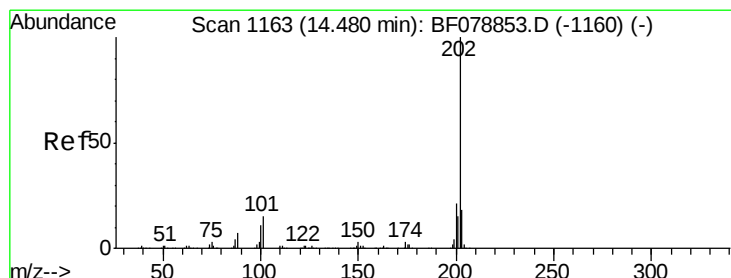
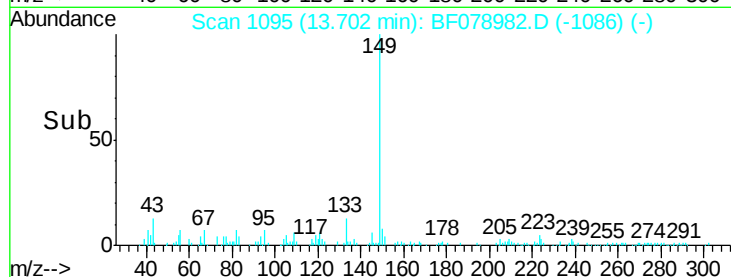
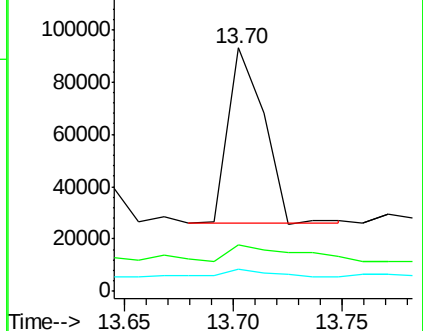
104 9.0 4.6 7.0#



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: 2.62 ng

RT: 14.48 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

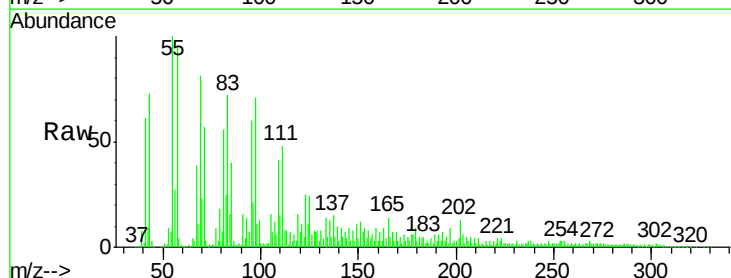
Tgt Ion:202 Resp: 39852

Ion Ratio Lower Upper

202 100

101 17.6 0.0 34.6

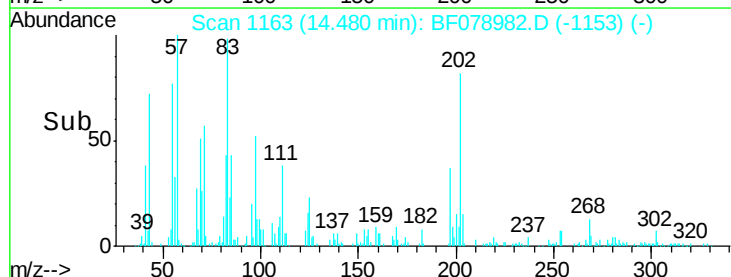
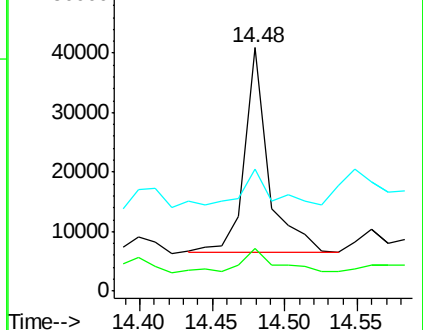
203 49.9 0.0 38.4#

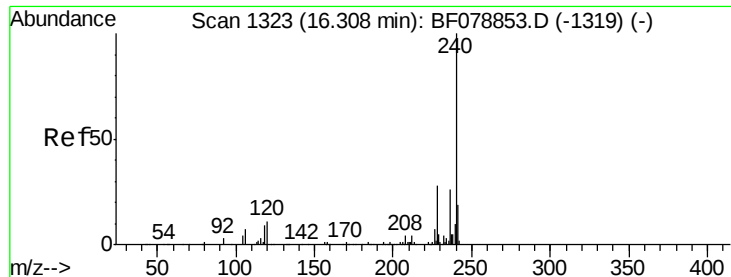


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.29 min Scan# 1321

Delta R.T. 0.03 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

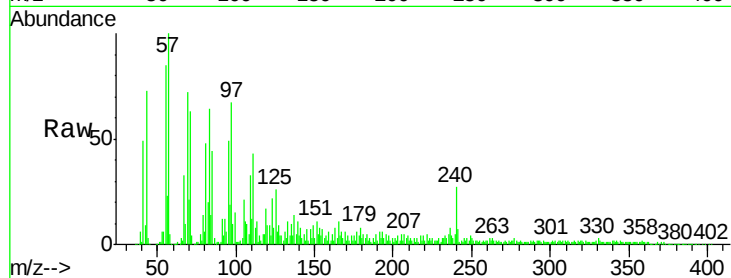
Tgt Ion:240 Resp: 165080

Ion Ratio Lower Upper

240 100

120 32.0 9.7 14.5#

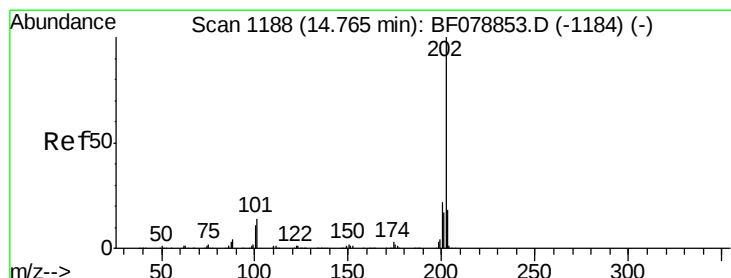
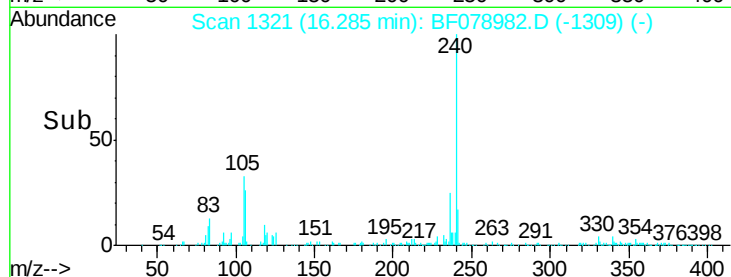
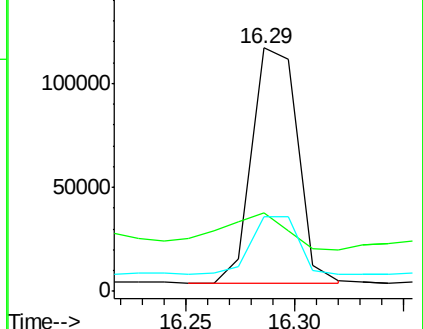
236 30.9 20.2 30.4#



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: 4.55 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.02 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

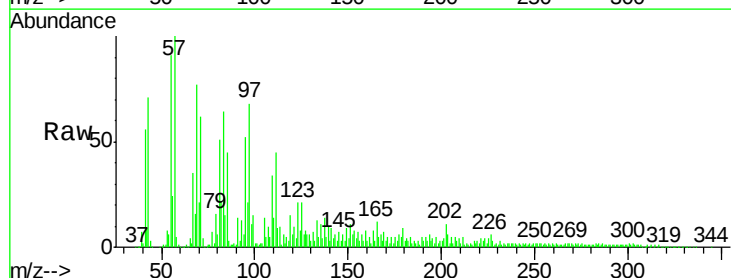
Tgt Ion:202 Resp: 43309

Ion Ratio Lower Upper

202 100

200 25.2 17.5 26.3

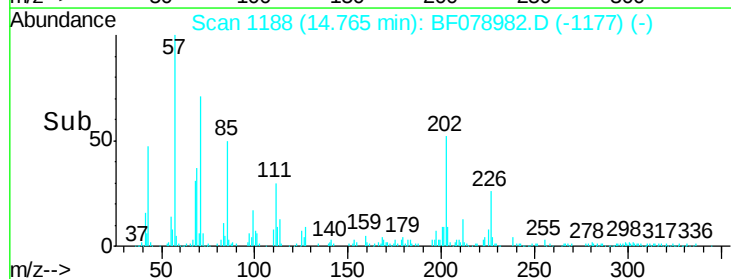
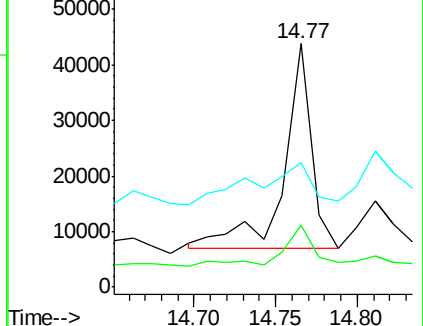
203 51.1 13.9 20.9#

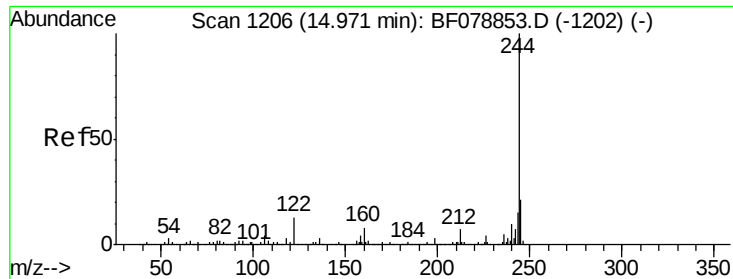


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.97 ng

RT: 14.97 min Scan# 1206

Delta R.T. 0.02 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

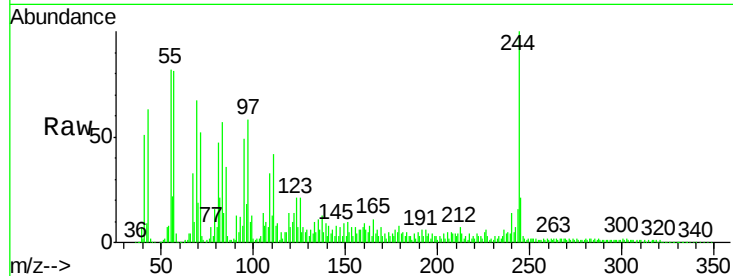
Tgt Ion:244 Resp: 420429

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

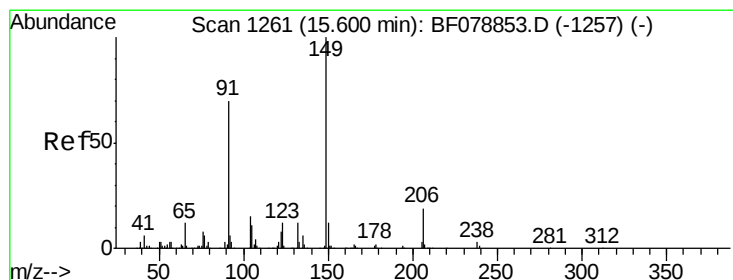
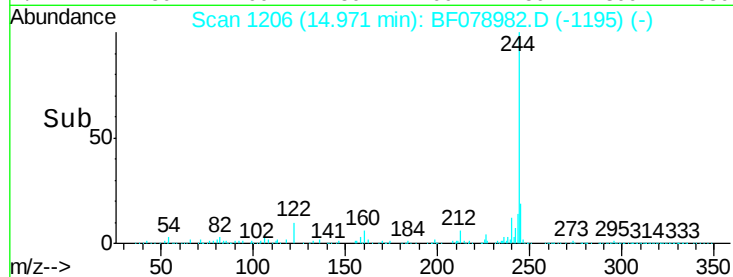
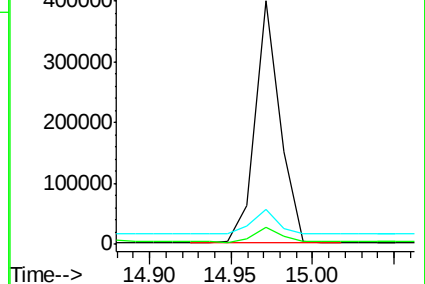
122 14.3 10.3 15.5



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: 16.82 ng

RT: 15.59 min Scan# 1260

Delta R.T. 0.02 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

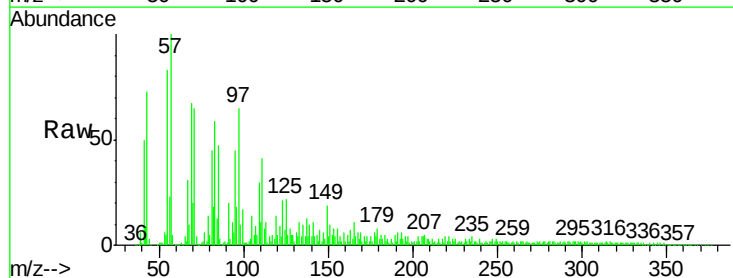
Tgt Ion:149 Resp: 69949

Ion Ratio Lower Upper

149 100

91 105.3 64.6 97.0#

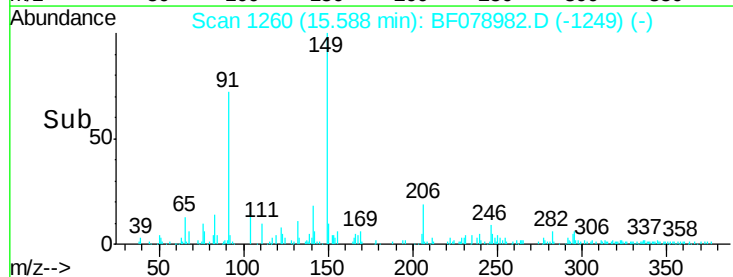
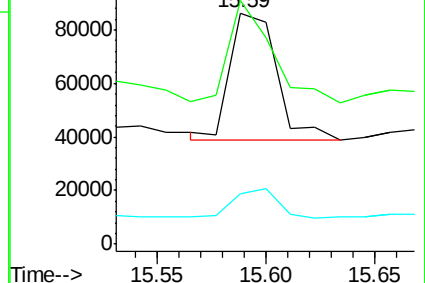
206 21.7 12.2 18.4#

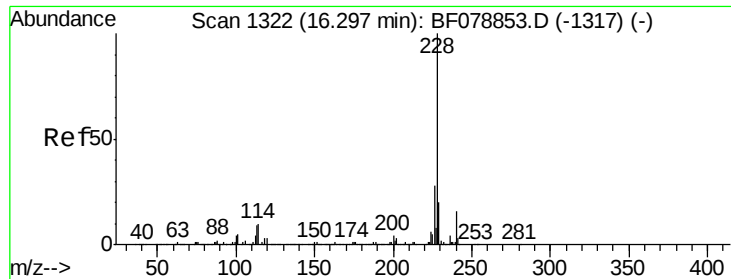


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 3.68 ng

RT: 16.32 min Scan# 1324

Delta R.T. 0.08 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA_F

ClientSampleId :

CT2

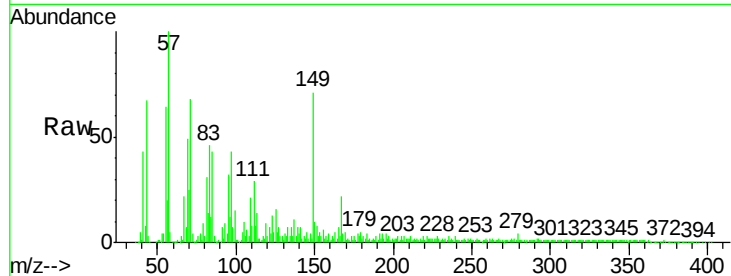
Tgt Ion:228 Resp: 33297

Ion Ratio Lower Upper

228 100

226 48.3 22.6 33.8#

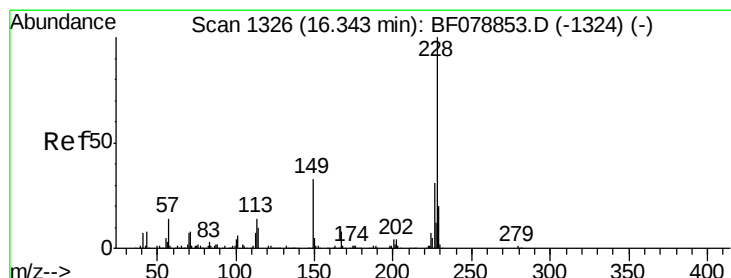
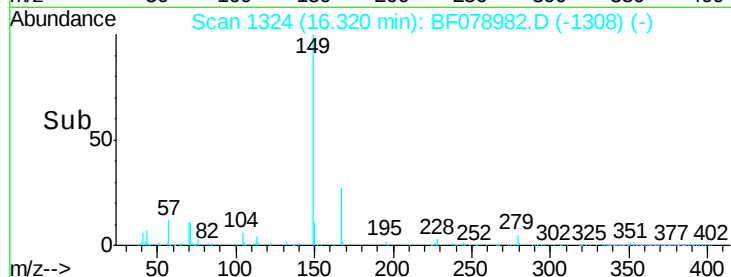
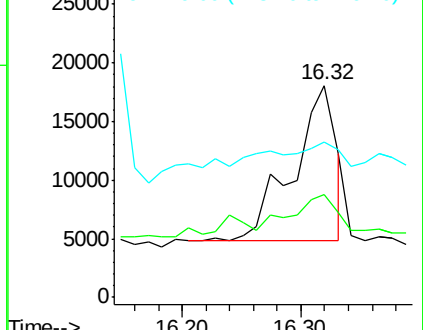
229 73.5 15.9 23.9#



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



#82

Chrysene

Concen: 3.94 ng

RT: 16.32 min Scan# 1324

Delta R.T. 0.03 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

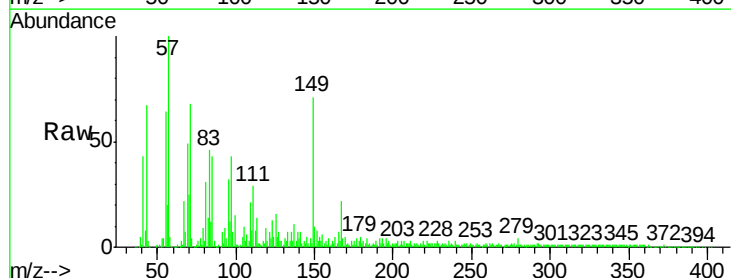
Tgt Ion:228 Resp: 34265

Ion Ratio Lower Upper

228 100

226 48.3 24.9 37.3#

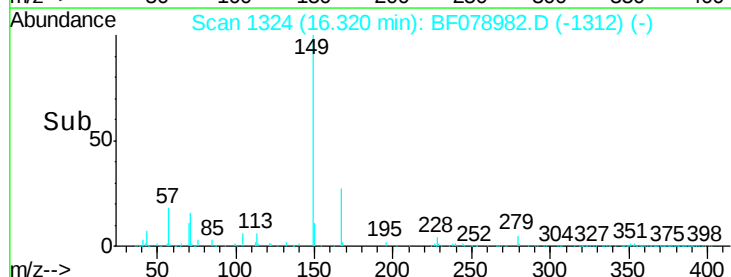
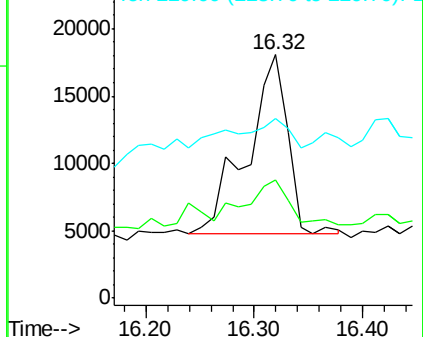
229 73.5 16.0 24.0#

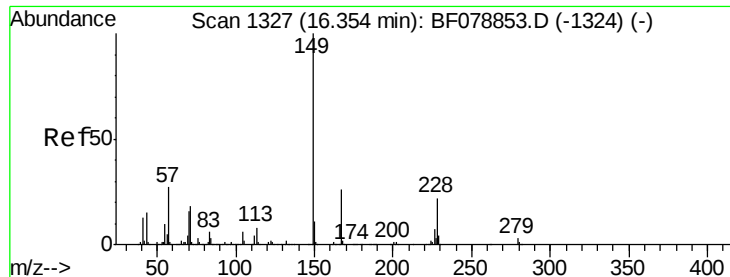


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

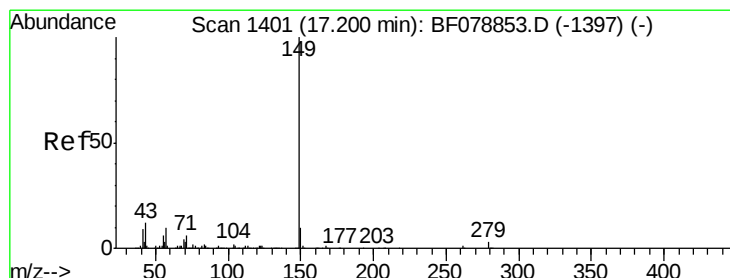
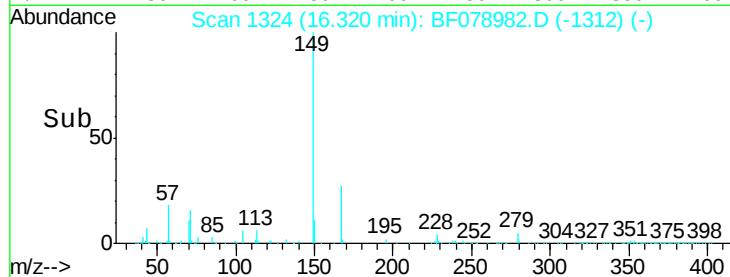
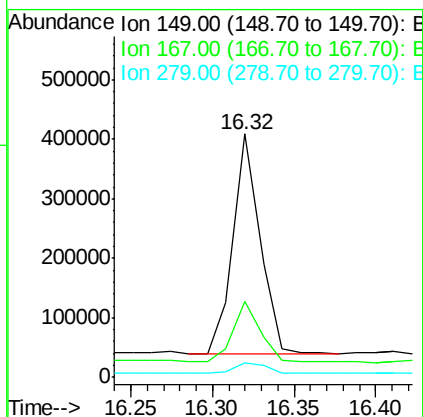
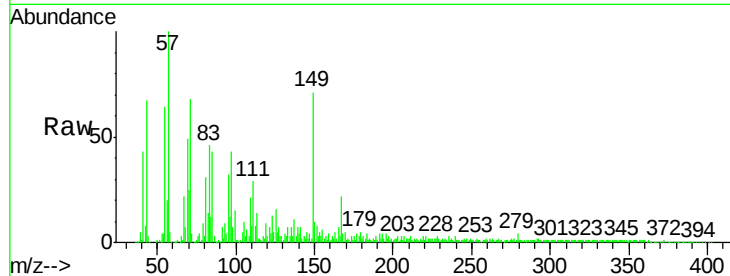




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 67.88 ng
 RT: 16.32 min Scan# 1324
 Delta R.T. 0.03 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

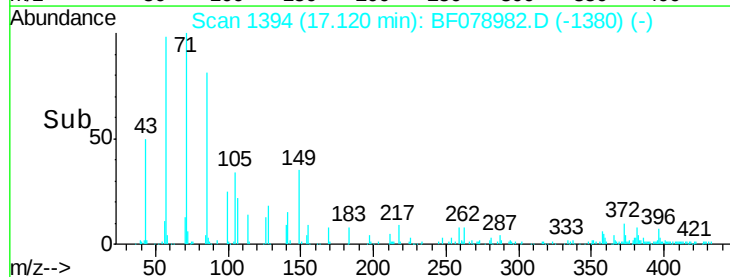
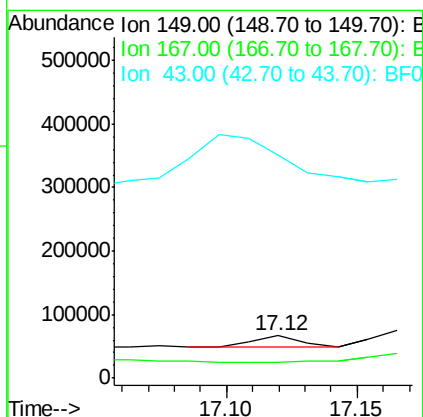
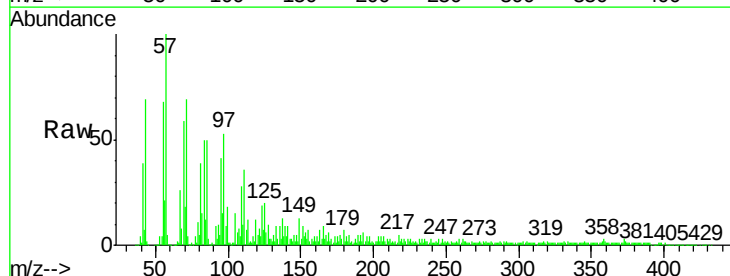
Instrument :
 BNA_F
 ClientSampleId :
 CT2

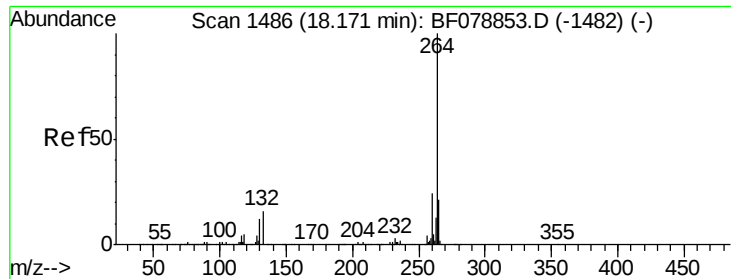
Tgt Ion:149 Resp: 427546
 Ion Ratio Lower Upper
 149 100
 167 31.2 21.8 32.8
 279 6.1 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 2.10 ng
 RT: 17.12 min Scan# 1394
 Delta R.T. 0.06 min
 Lab File: BF078982.D
 Acq: 7 May 2015 6:39

Tgt Ion:149 Resp: 23243
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 43 0.0 0.0 0.0

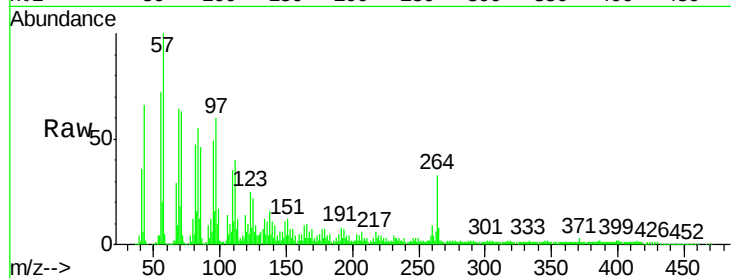




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.05 min Scan# 1475
Delta R.T. 0.08 min
Lab File: BF078982.D
Acq: 7 May 2015 6:39

Instrument :
BNA_F
ClientSampleId :
CT2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.4	29.2
265	24.8	18.3	27.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

