

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078630.D
 Acq On : 18 Apr 2015 8:04
 Operator : TP/IZ
 Sample : G1880-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Quant Time: Apr 20 00:56:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

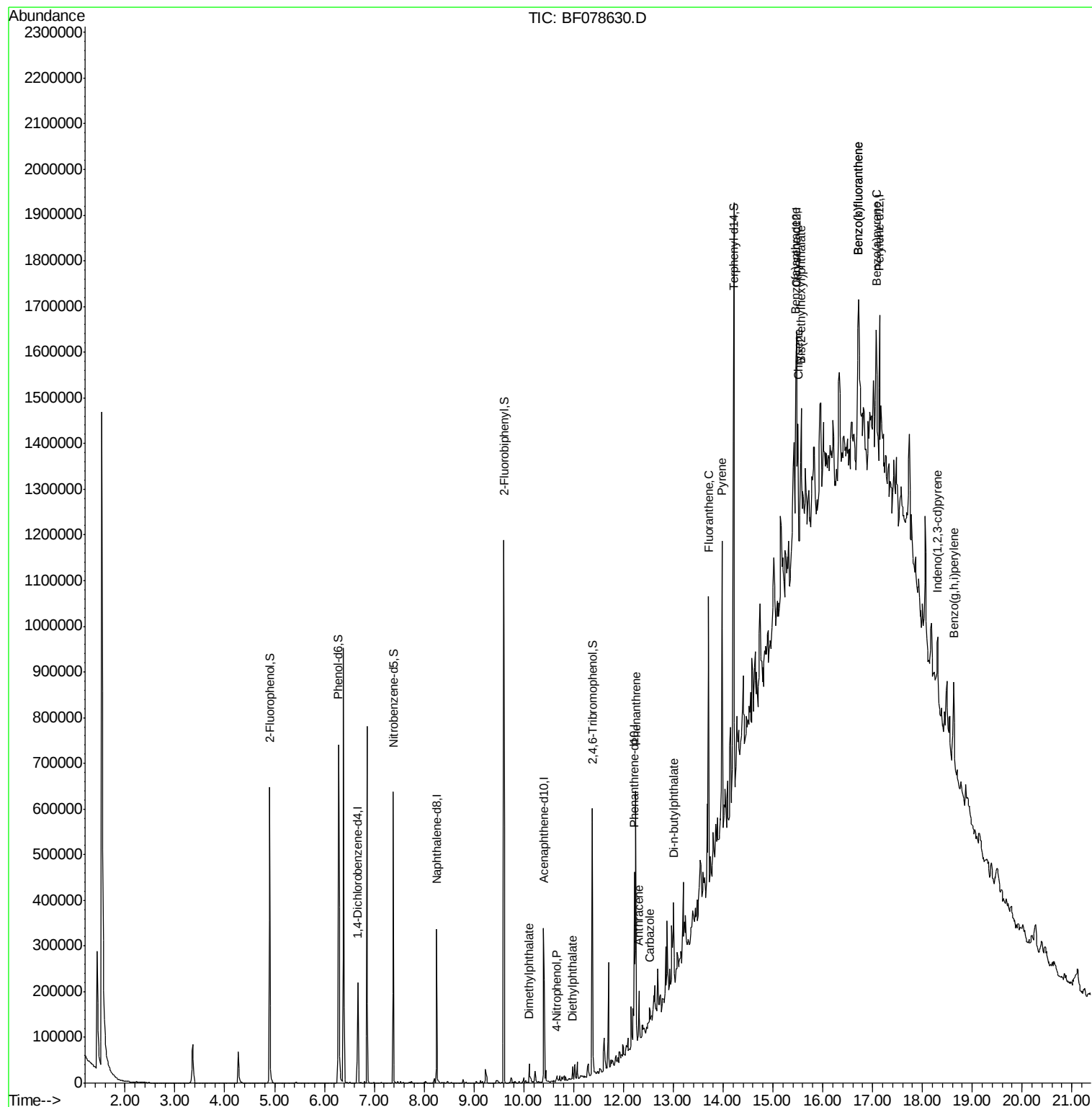
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	35813	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	155511	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	80876	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	161646	20.00	ng	0.00
75) Chrysene-d12	15.47	240	165928	20.00	ng	0.01
86) Perylene-d12	17.14	264	171433	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	256965	118.30	ng	0.00
7) Phenol-d6	6.28	99	327641	120.36	ng	0.00
23) Nitrobenzene-d5	7.38	82	212647	82.88	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	98697	147.14	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	444077	78.49	ng	0.00
78) Terphenyl-d14	14.22	244	559983	76.26	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.11	163	18755	3.09	ng	99
55) 4-Nitrophenol	10.66	139	2592	5.16	ng	# 18
59) Diethylphthalate	10.98	149	13632	2.33	ng	96
70) Phenanthrene	12.25	178	235598	25.20	ng	99
71) Anthracene	12.31	178	50307	5.46	ng	97
72) Carbazole	12.53	167	21617	2.50	ng	# 92
73) Di-n-butylphthalate	13.01	149	25417	2.60	ng	# 91
74) Fluoranthene	13.71	202	353024	35.80	ng	91
77) Pyrene	13.98	202	311645	29.92	ng	# 91
80) Benzo(a)anthracene	15.46	228	179622	18.19	ng	96
82) Chrysene	15.51	228	148822	16.04	ng	97
83) Bis(2-ethylhexyl)phthalate	15.57	149	49595	7.96	ng	100
85) Indeno(1,2,3-cd)pyrene	18.31	276	100119	9.51	ng	# 86
87) Benzo(b)fluoranthene	16.72	252	245003	23.12	ng	# 84
88) Benzo(k)fluoranthene	16.72	252	243980	25.91	ng	# 88
89) Benzo(a)pyrene	17.07	252	131305	14.20	ng	# 80
91) Benzo(g,h,i)perylene	18.63	276	95985	10.34	ng	99

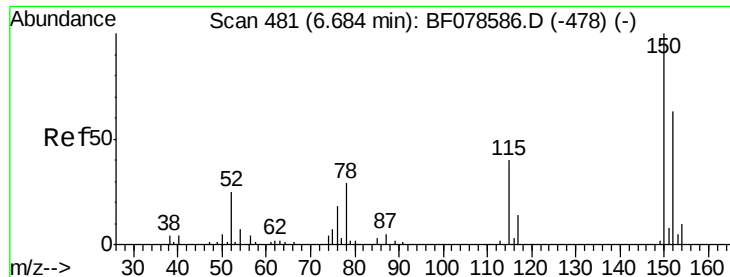
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

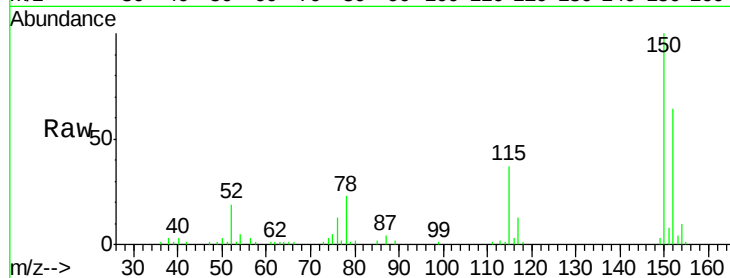
Tgt Ion:152 Resp: 35813

Ion Ratio Lower Upper

152 100

150 156.1 125.9 188.9

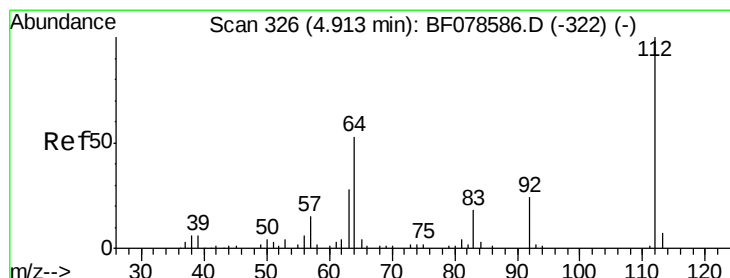
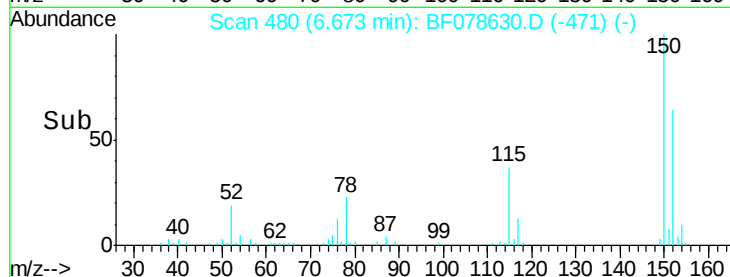
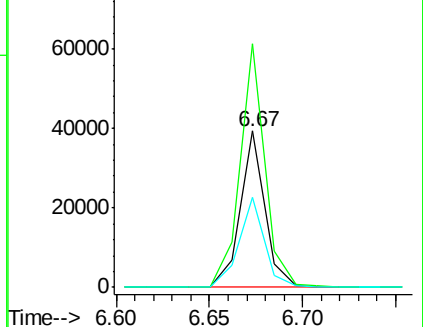
115 58.1 52.7 79.1



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: 118.30 ng

RT: 4.90 min Scan# 325

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

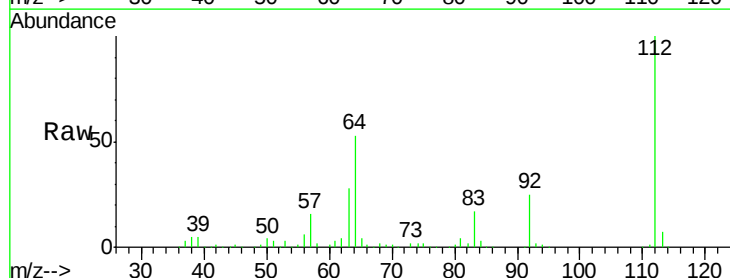
Tgt Ion:112 Resp: 256965

Ion Ratio Lower Upper

112 100

64 53.5 39.9 59.9

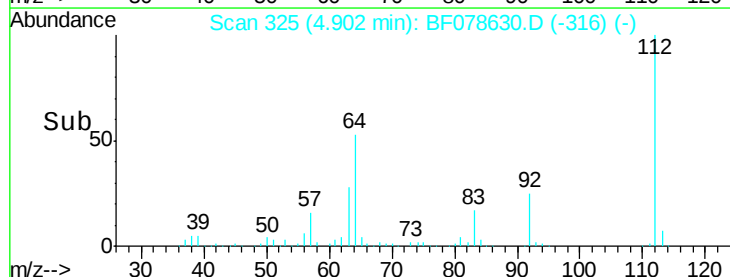
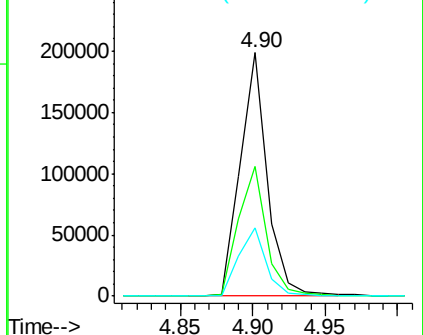
63 28.1 20.2 30.4

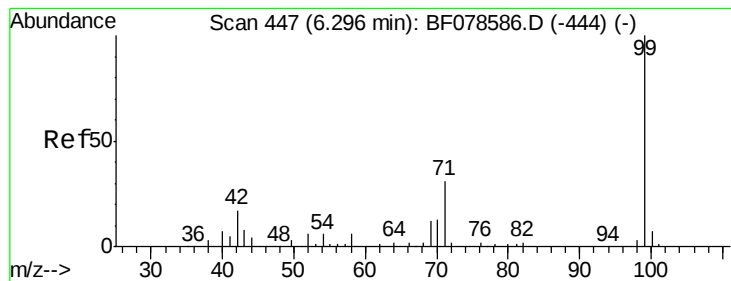


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.36 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

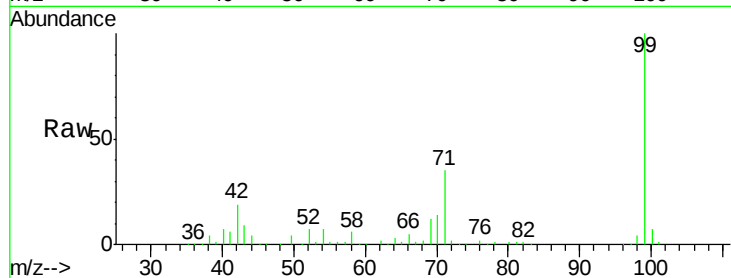
Tgt Ion: 99 Resp: 327641

Ion Ratio Lower Upper

99 100

42 19.1 14.8 22.2

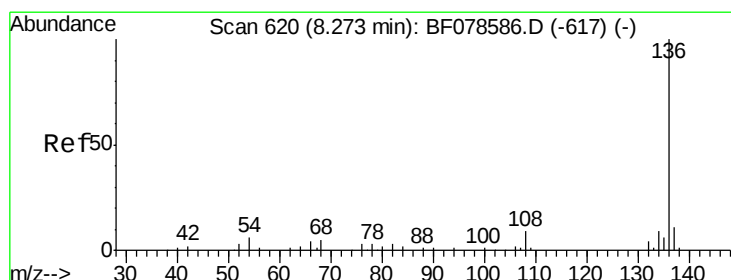
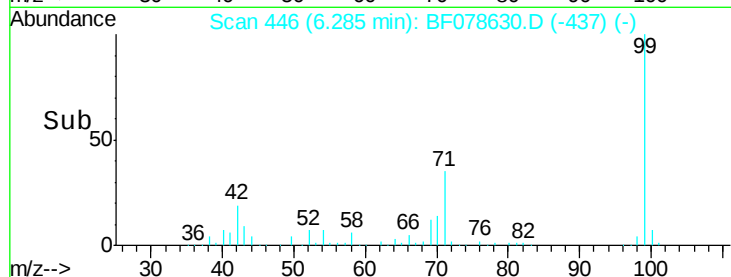
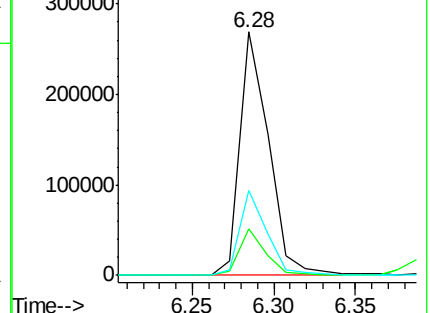
71 34.6 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion: 136 Resp: 155511

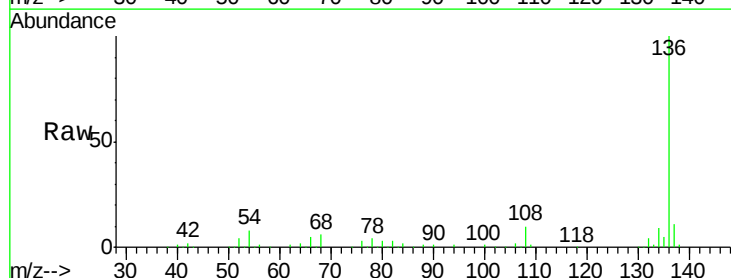
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.5 7.0 10.6

68 5.8 5.4 8.2

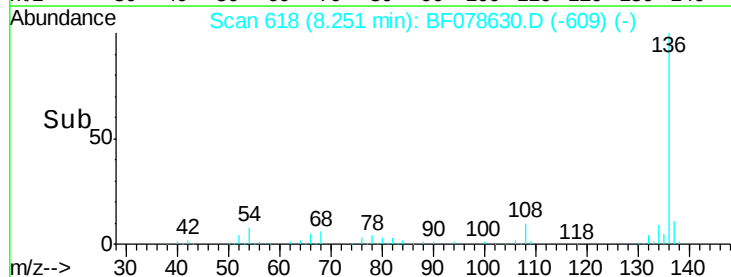
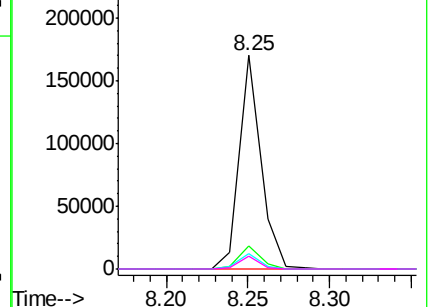


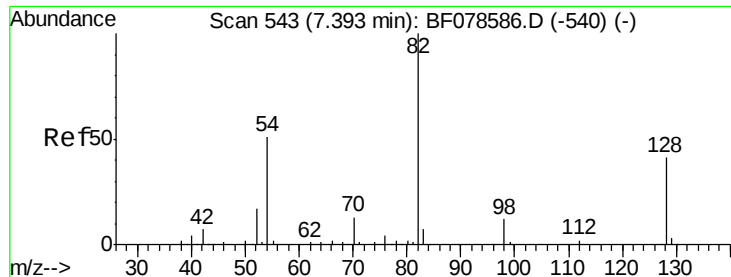
Abundance Ion 136.00 (135.70 to 136.70): E

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

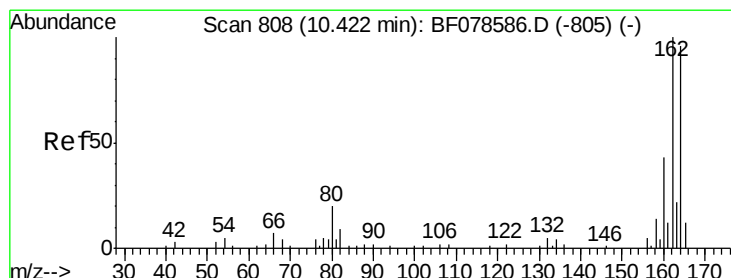
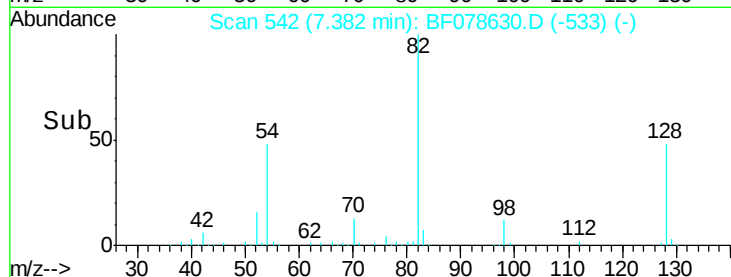
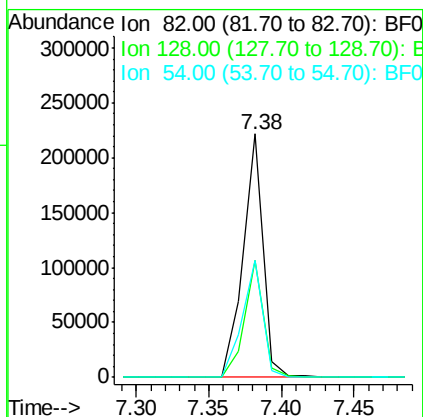
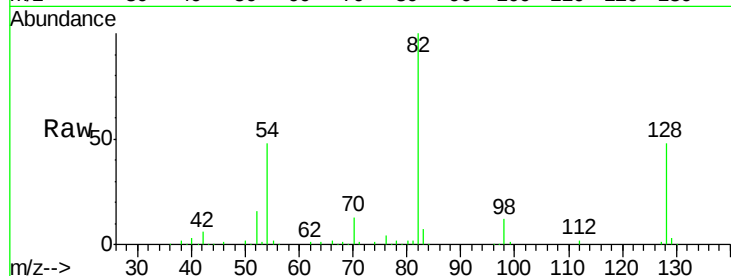




#23
 Nitrobenzene-d5
 Concen: 82.88 ng
 RT: 7.38 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

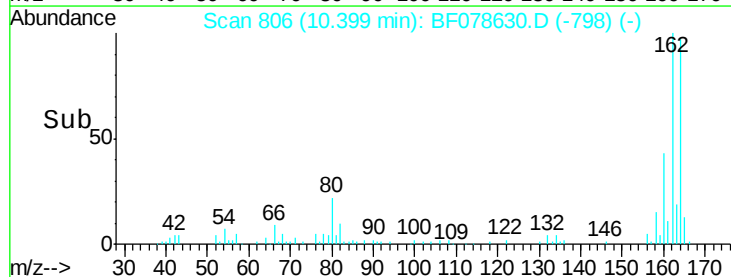
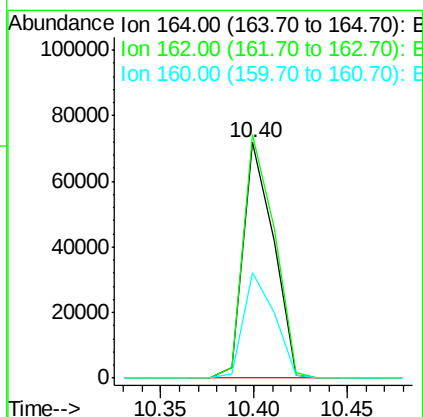
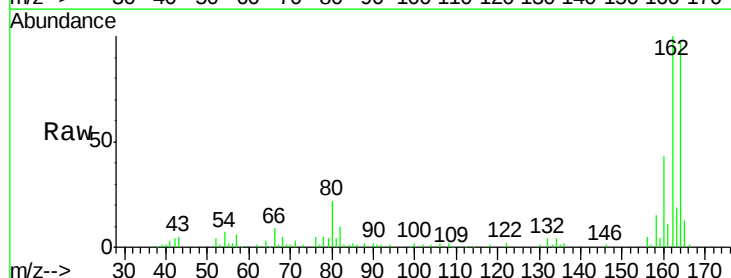
Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Tgt Ion: 82 Resp: 212647
 Ion Ratio Lower Upper
 82 100
 128 48.1 31.8 47.8#
 54 48.1 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.40 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion: 164 Resp: 80876
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.2 123.2
 160 44.8 34.7 52.1

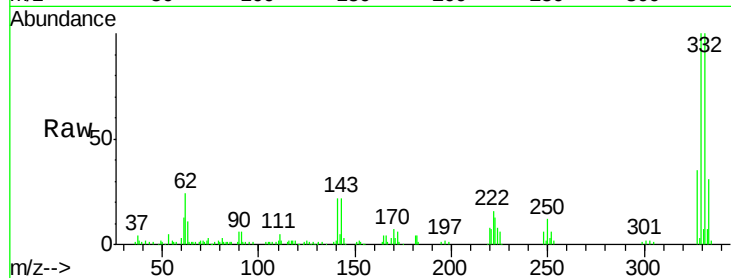




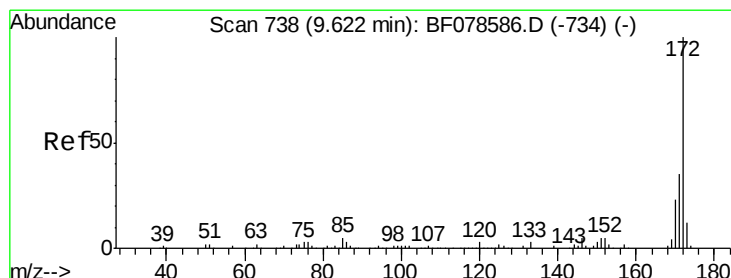
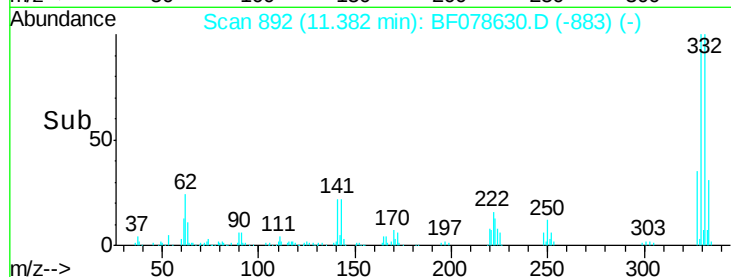
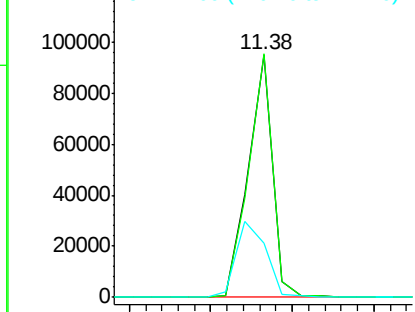
#41
 2,4,6-Tribromophenol
 Concen: 147.14 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :
 S3-1-4

Tgt Ion:330 Resp: 98697
 Ion Ratio Lower Upper
 330 100
 332 98.9 78.6 117.8
 141 38.3 31.2 46.8

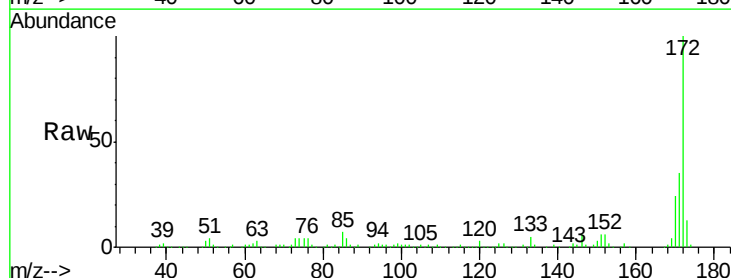


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

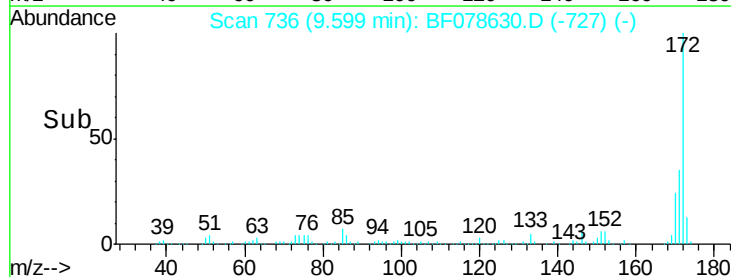
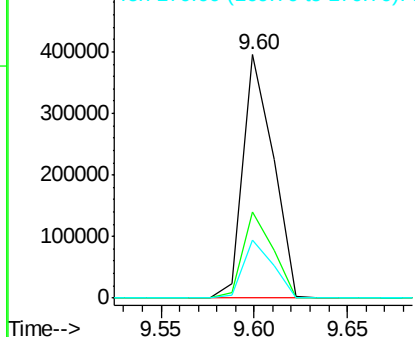


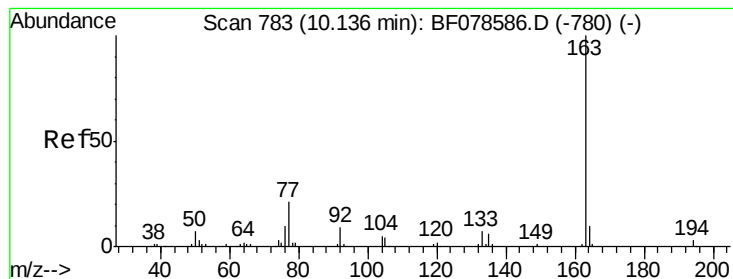
#44
 2-Fluorobiphenyl
 Concen: 78.49 ng
 RT: 9.60 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF078630.D
 Acq: 18 Apr 2015 8:04

Tgt Ion:172 Resp: 444077
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.9 18.5 27.7



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: 3.09 ng

RT: 10.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

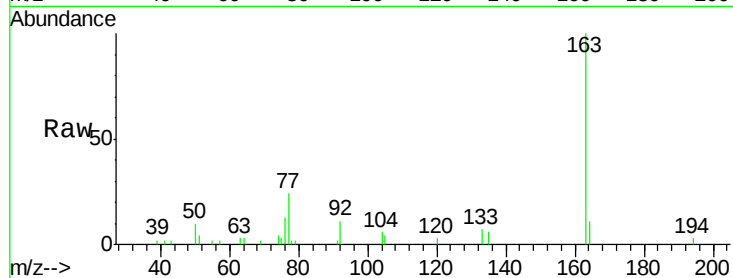
Tgt Ion:163 Resp: 18755

Ion Ratio Lower Upper

163 100

194 3.0 2.3 3.5

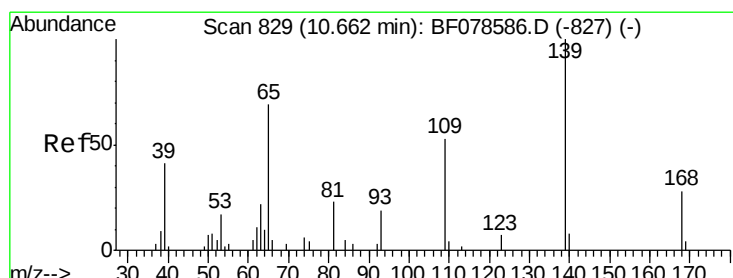
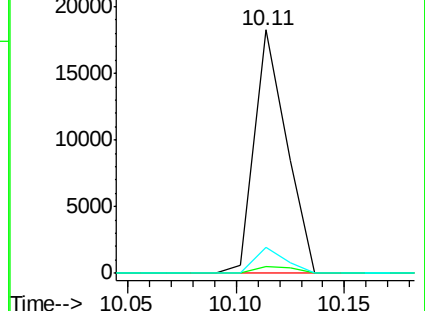
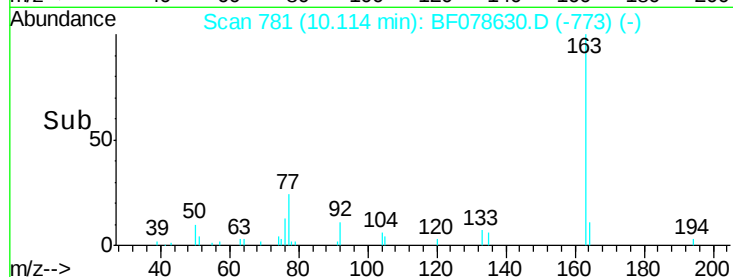
164 10.6 8.6 13.0



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



#55

4-Nitrophenol

Concen: 5.16 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

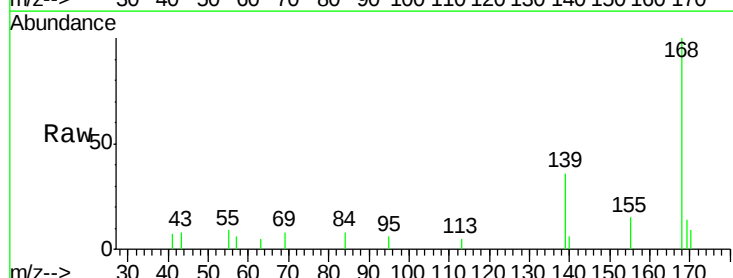
Tgt Ion:139 Resp: 2592

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

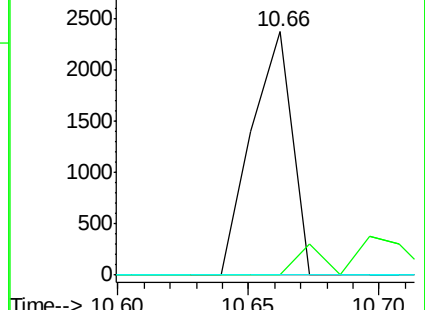
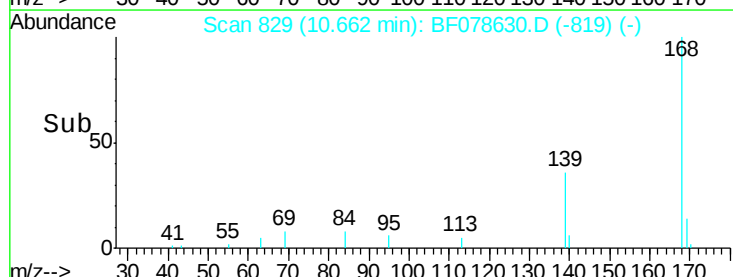
65 0.0 49.9 89.9#

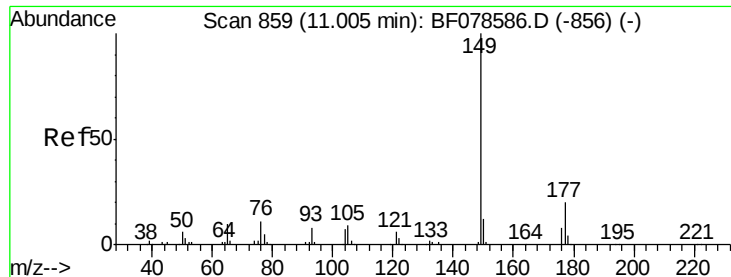


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

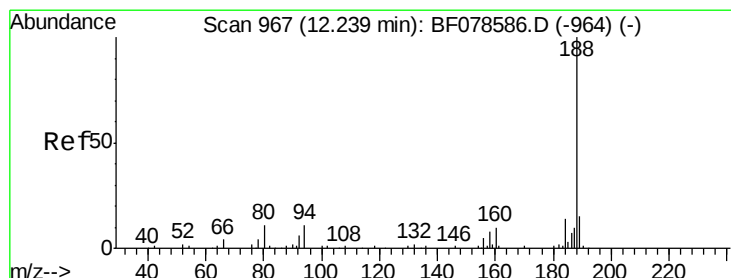
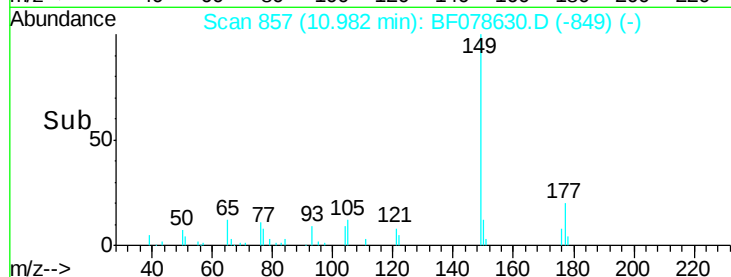
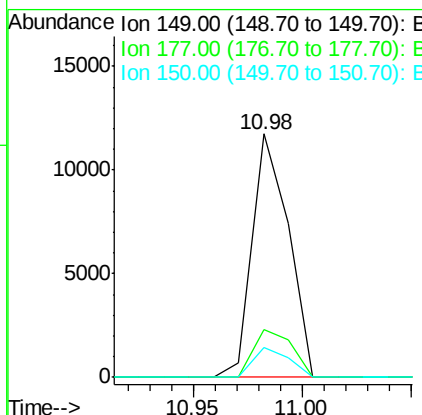
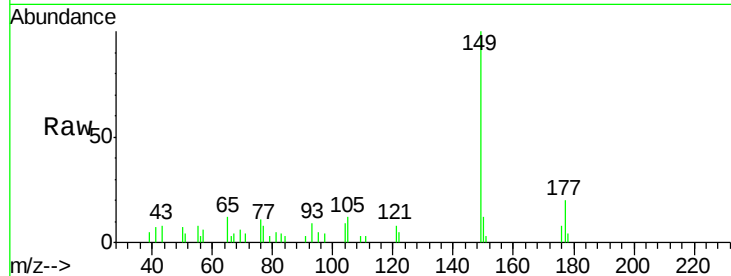




#59
Diethylphthalate
Concen: 2.33 ng
RT: 10.98 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

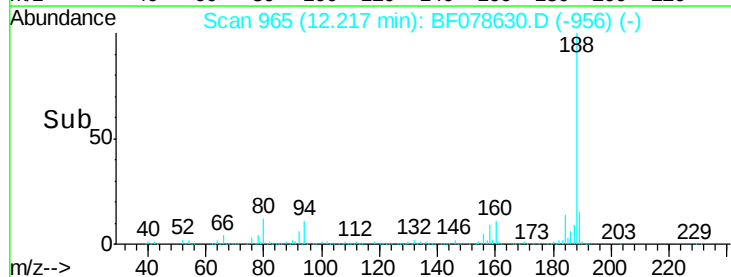
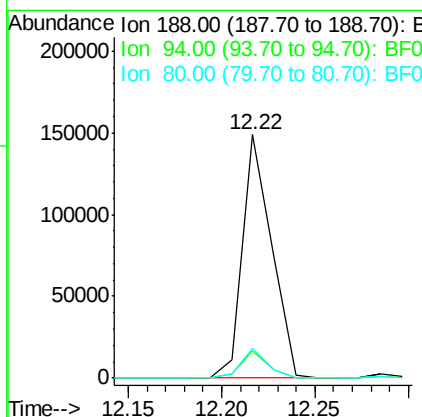
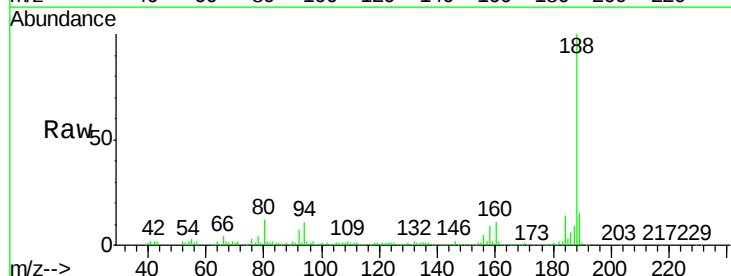
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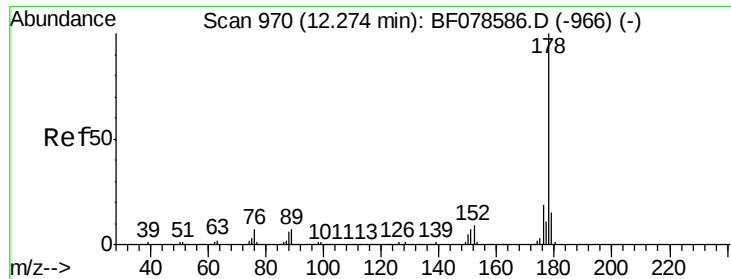
Tgt Ion:149 Resp: 13632
Ion Ratio Lower Upper
149 100
177 19.6 17.4 26.2
150 12.4 9.4 14.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion:188 Resp: 161646
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.4
80 12.3 9.5 14.3

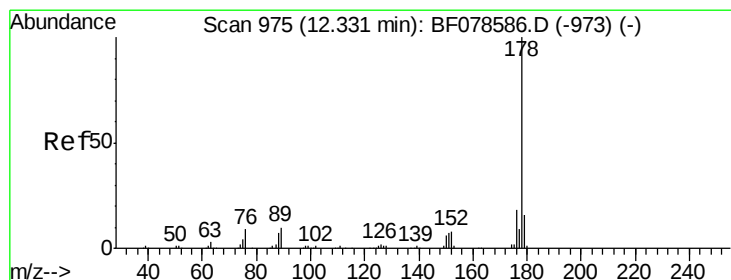
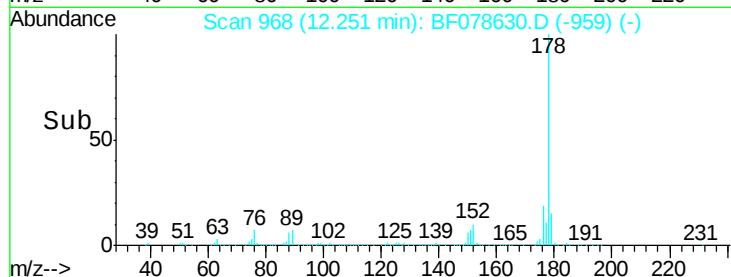
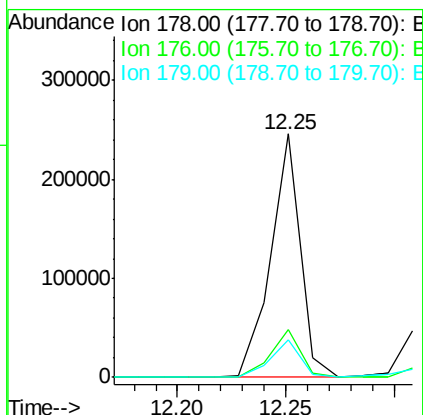
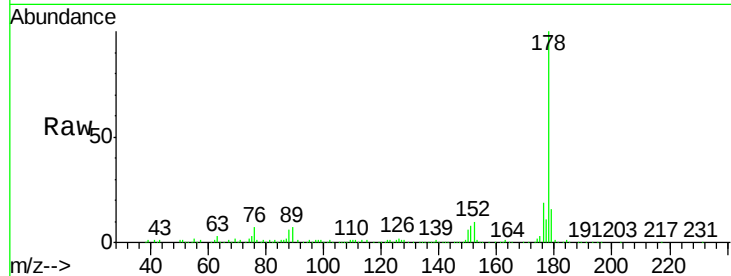




#70
Phenanthrene
Concen: 25.20 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

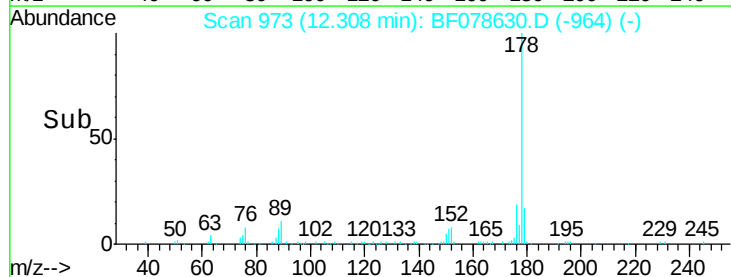
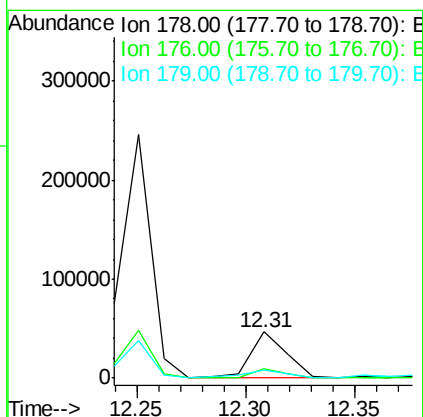
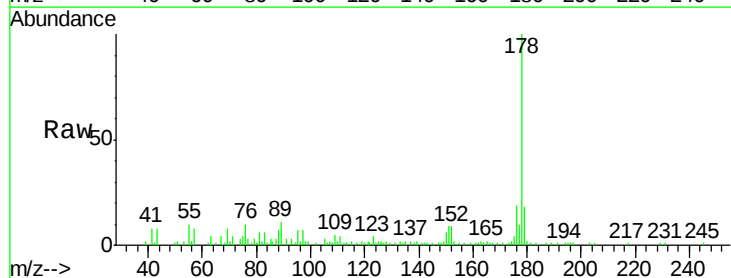
Instrument :
BNA_F
ClientSampleId :
S3-1-4

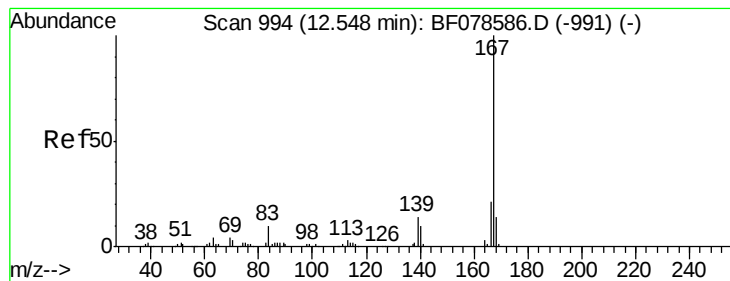
Tgt Ion:178 Resp: 235598
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.5 12.2 18.2



#71
Anthracene
Concen: 5.46 ng
RT: 12.31 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion:178 Resp: 50307
Ion Ratio Lower Upper
178 100
176 19.1 14.8 22.2
179 18.0 12.4 18.6





#72

Carbazole

Concen: 2.50 ng

RT: 12.53 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

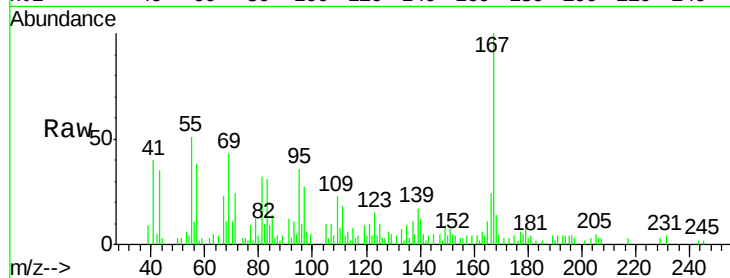
Tgt Ion:167 Resp: 21617

Ion Ratio Lower Upper

167 100

166 24.1 16.8 25.2

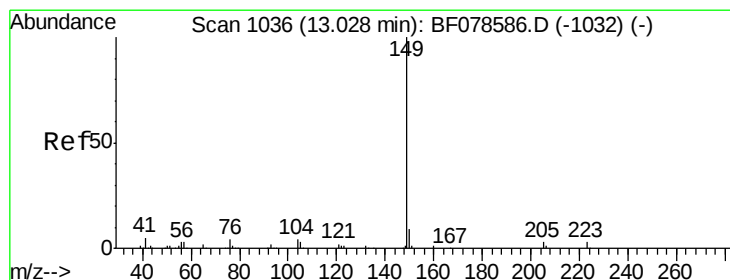
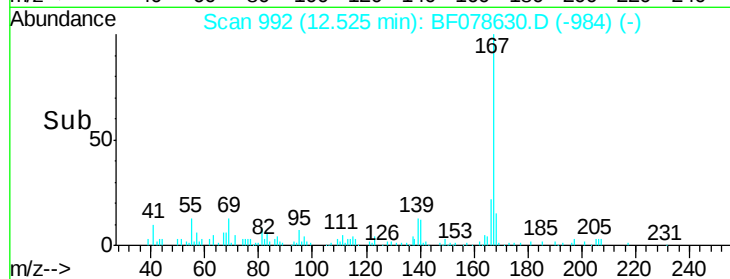
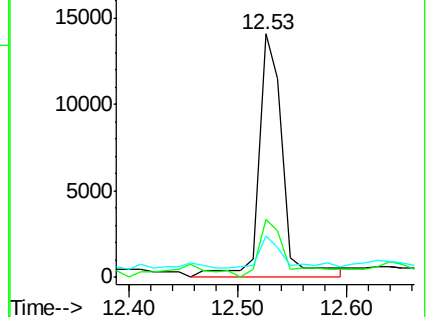
139 17.0 10.0 15.0#



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



#73

Di-n-butylphthalate

Concen: 2.60 ng

RT: 13.01 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

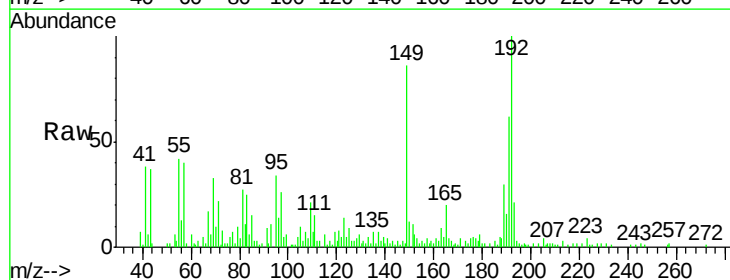
Tgt Ion:149 Resp: 25417

Ion Ratio Lower Upper

149 100

150 13.8 7.1 10.7#

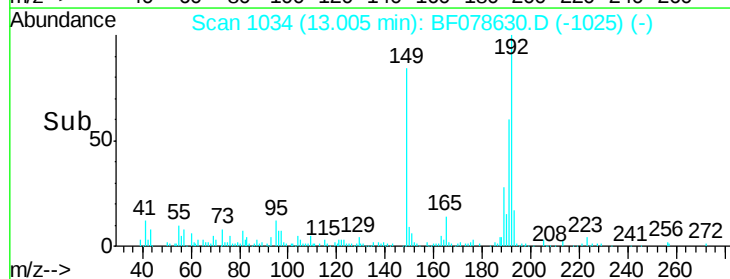
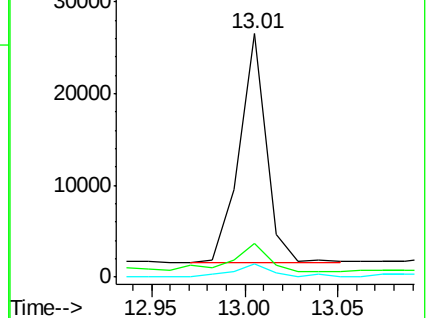
104 5.2 3.8 5.6

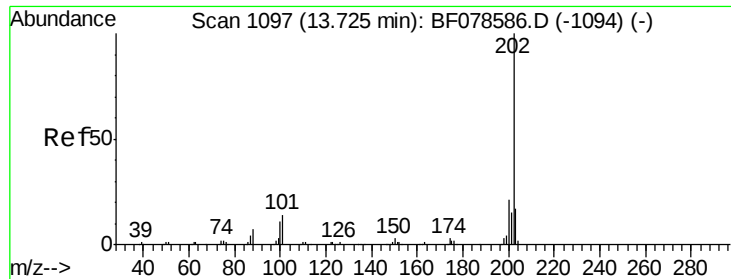


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 35.80 ng

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

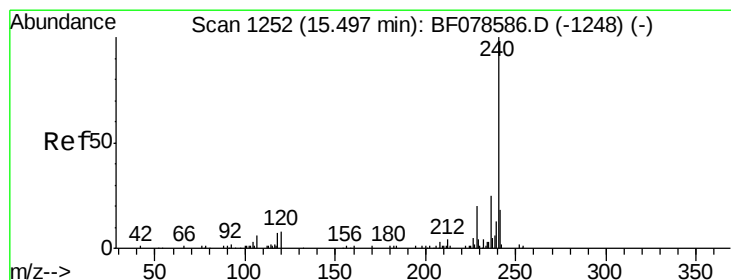
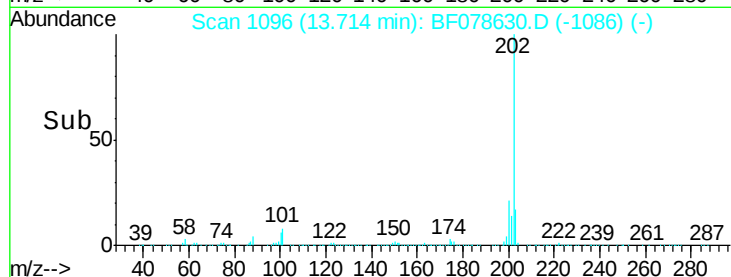
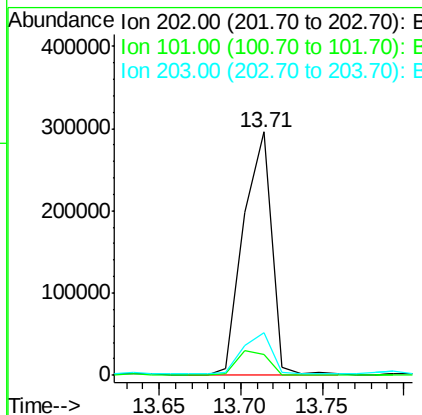
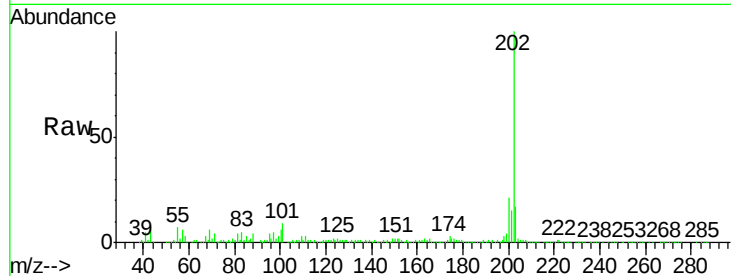
Instrument :

BNA_F

ClientSampleId :

S3-1-4

Tgt Ion:	202	Resp:	353024
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	35.2
203	17.4	0.0	38.5



#75

Chrysene-d12

Concen: 20.00 ng

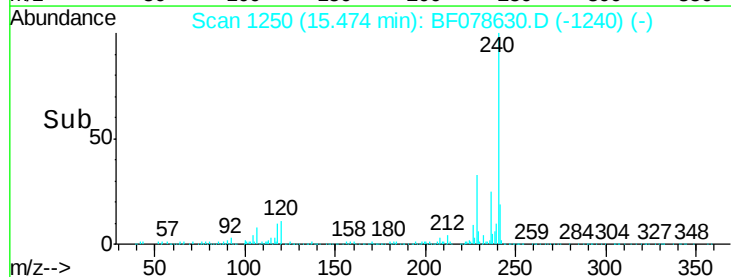
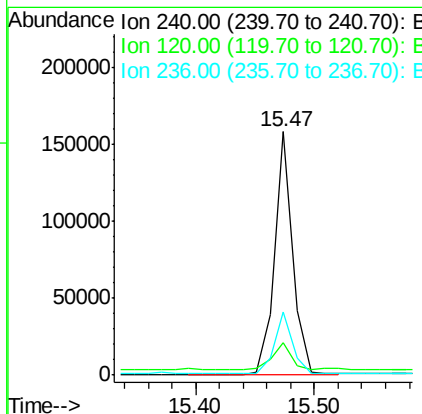
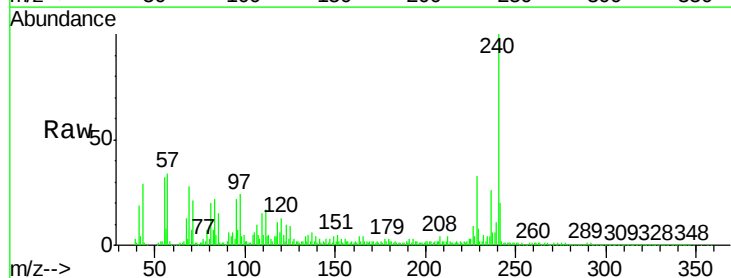
RT: 15.47 min Scan# 1250

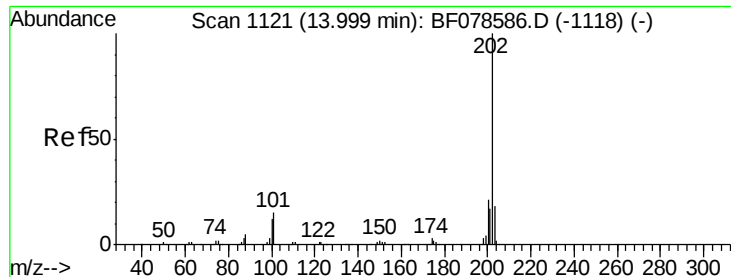
Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Tgt Ion:	240	Resp:	165928
Ion Ratio	Lower	Upper	
240	100		
120	13.4	7.1	10.7#
236	26.0	21.4	32.2





#77

Pyrene

Concen: 29.92 ng

RT: 13.98 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

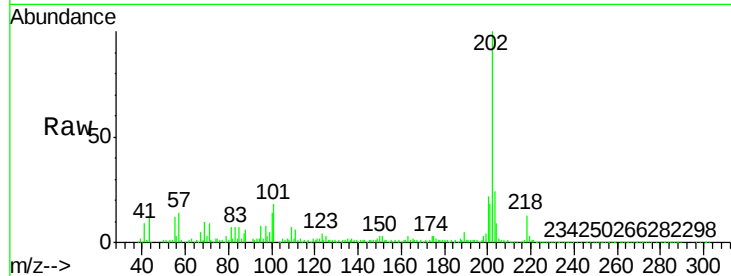
Tgt Ion: 202 Resp: 311645

Ion Ratio Lower Upper

202 100

200 21.9 16.3 24.5

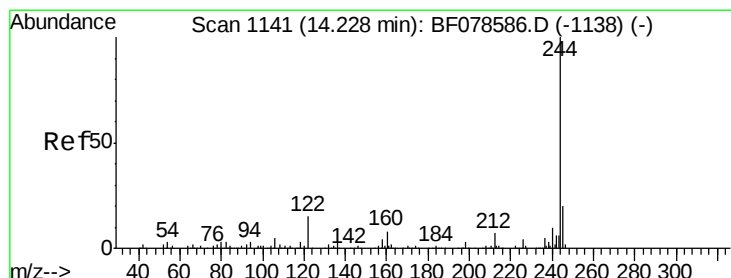
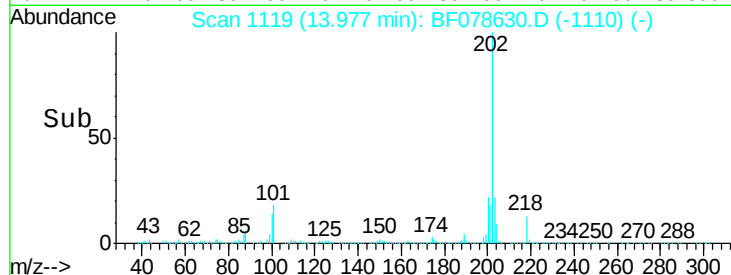
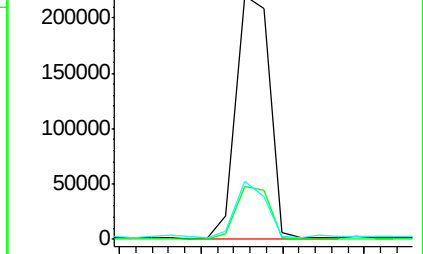
203 23.6 13.8 20.6#



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: 76.26 ng

RT: 14.22 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

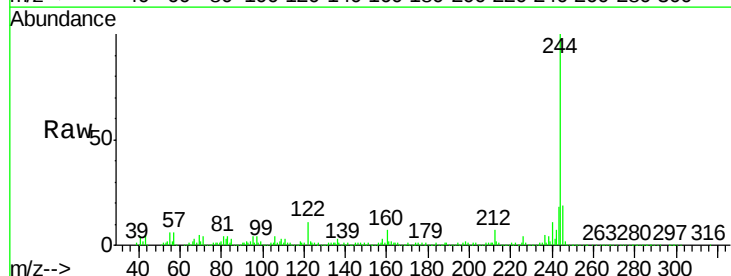
Tgt Ion: 244 Resp: 559983

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

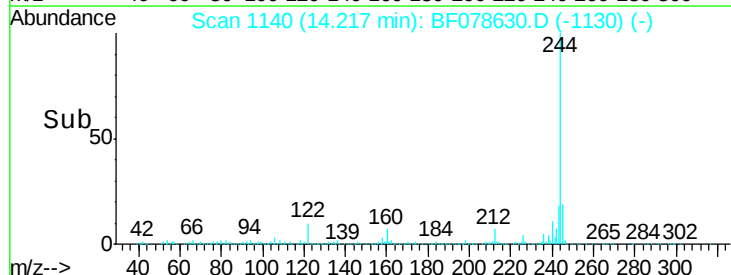
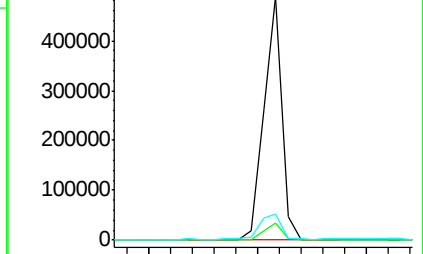
122 10.6 7.1 10.7

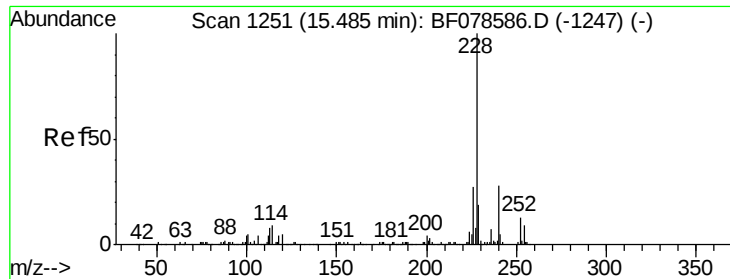


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.19 ng

RT: 15.46 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

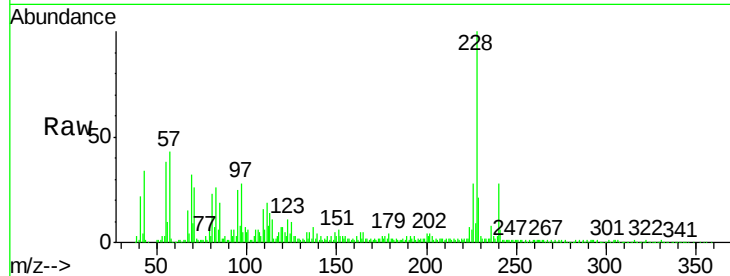
Tgt Ion:228 Resp: 179622

Ion Ratio Lower Upper

228 100

226 28.4 21.3 31.9

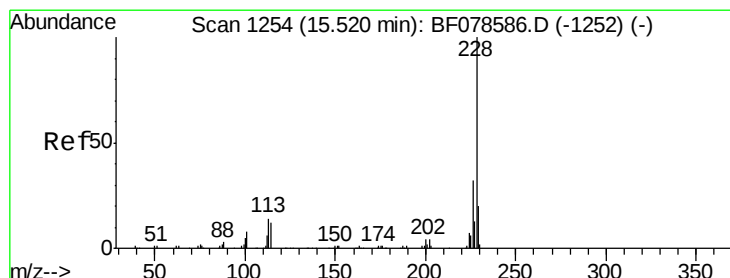
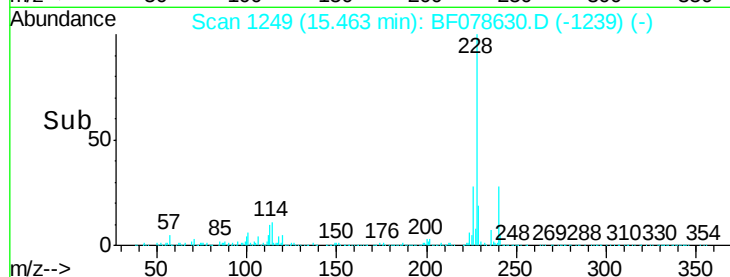
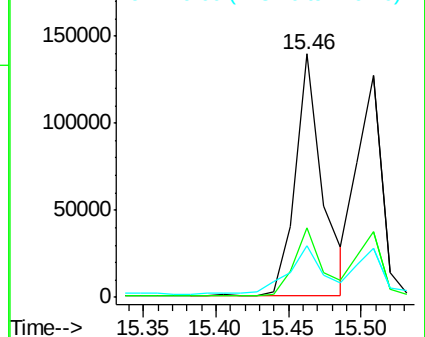
229 21.0 15.4 23.2



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: 16.04 ng

RT: 15.51 min Scan# 1253

Delta R.T. 0.01 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

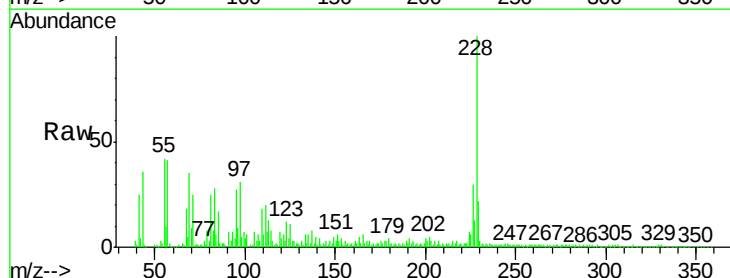
Tgt Ion:228 Resp: 148822

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

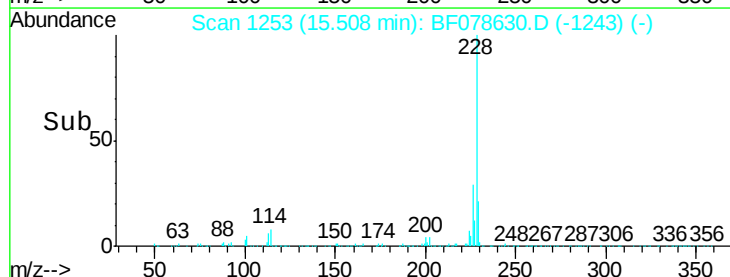
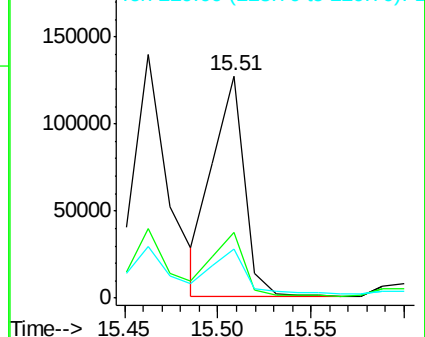
229 22.3 15.8 23.8

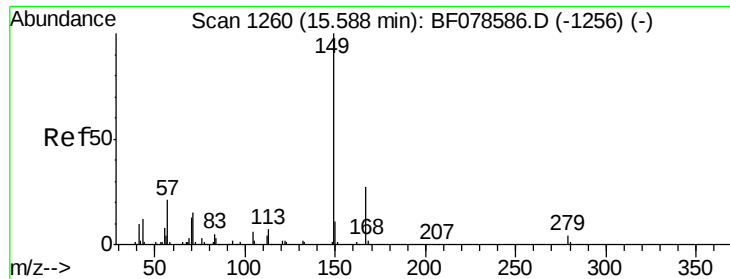


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.96 ng

RT: 15.57 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

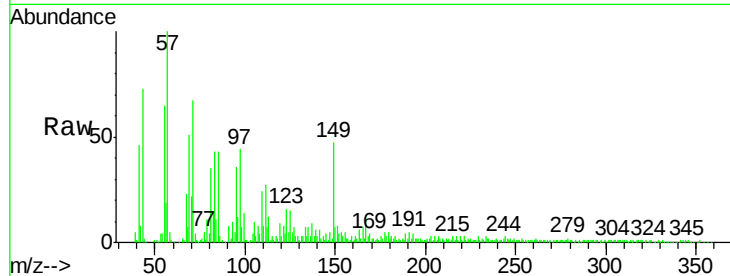
Tgt Ion:149 Resp: 49595

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

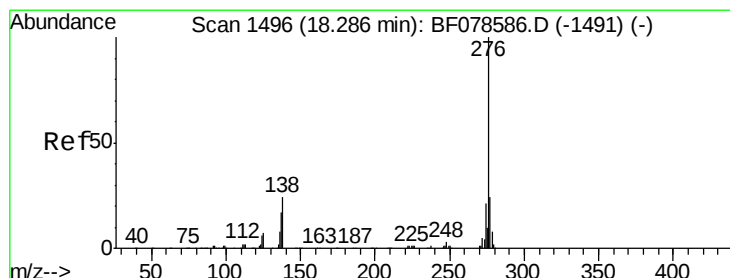
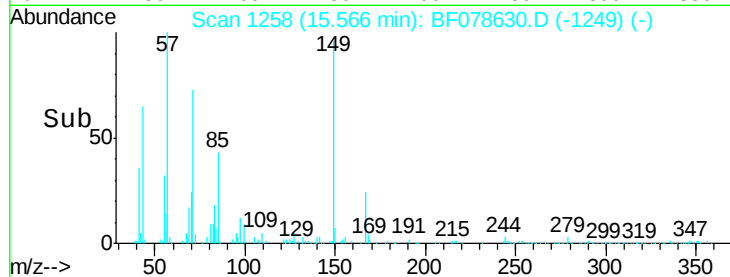
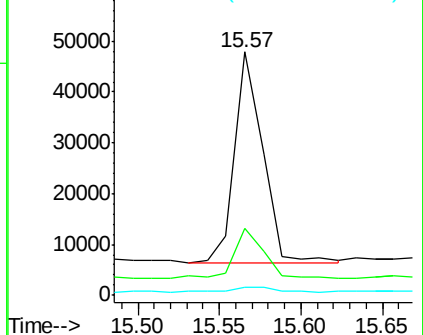
279 3.5 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.51 ng

RT: 18.31 min Scan# 1498

Delta R.T. -0.03 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

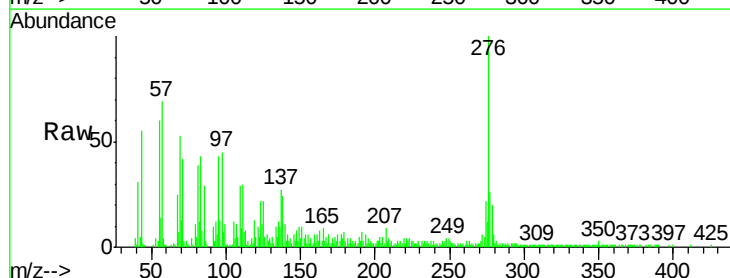
Tgt Ion:276 Resp: 100119

Ion Ratio Lower Upper

276 100

138 26.6 16.9 25.3#

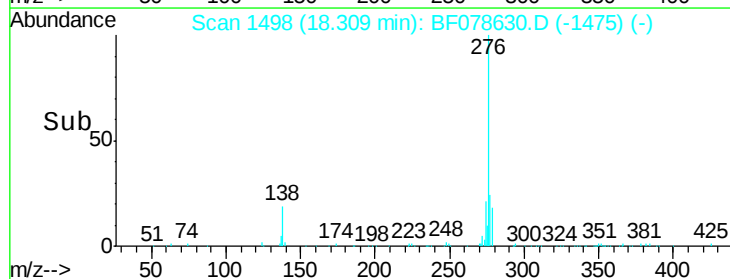
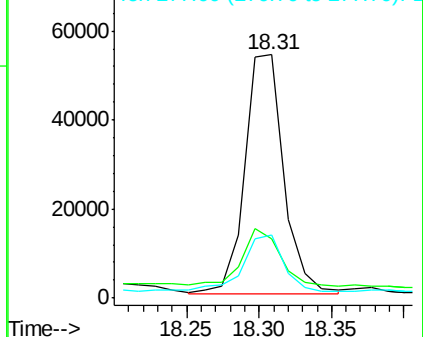
277 27.5 15.8 23.6#

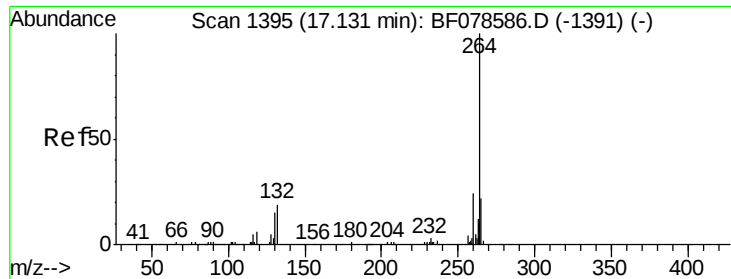


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

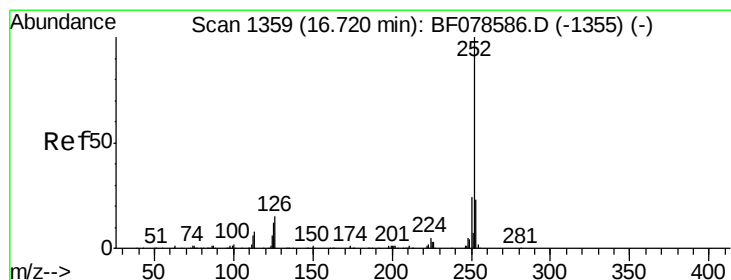
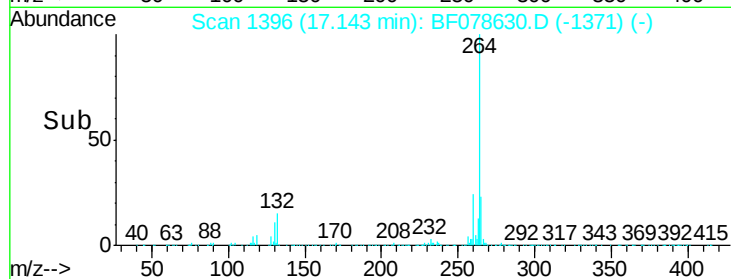
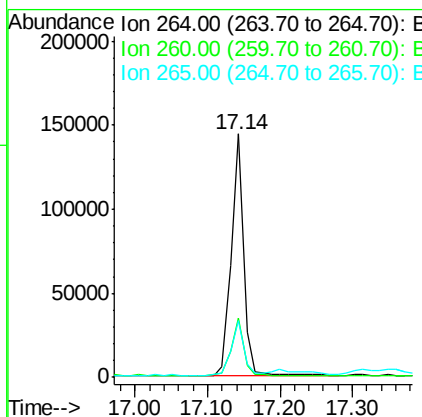
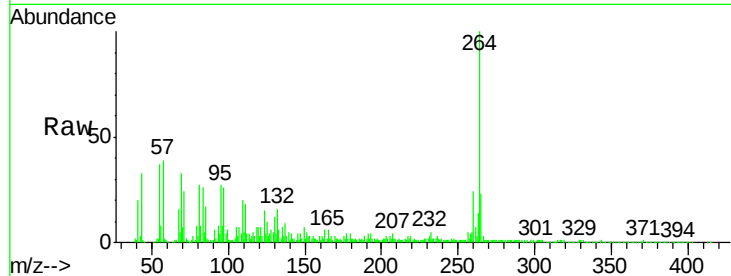




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.14 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

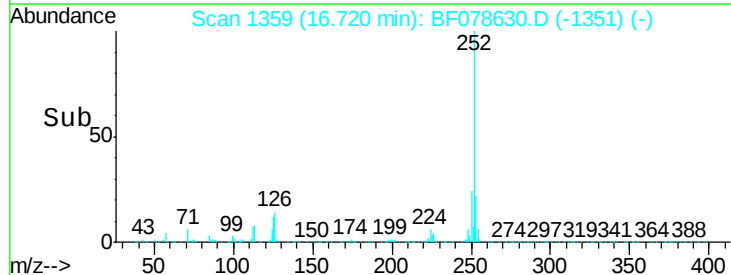
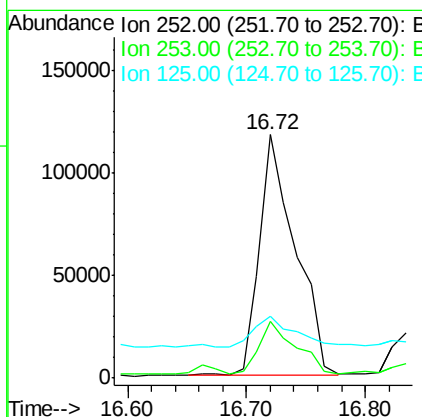
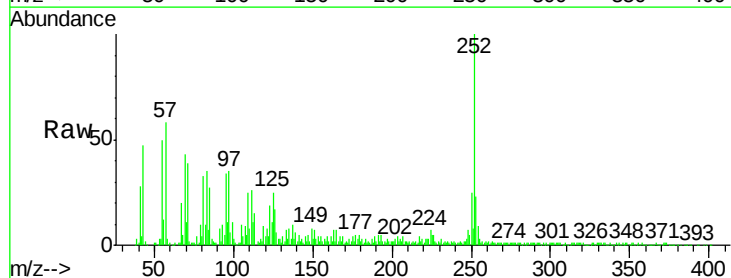
Instrument :
BNA_F
ClientSampleId :
S3-1-4

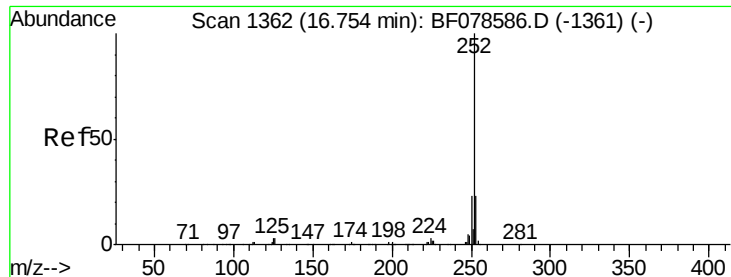
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	27.8
265	23.3	17.0	25.6



#87
Benzo(b)fluoranthene
Concen: 23.12 ng
RT: 16.72 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	25.2	7.0	10.4#

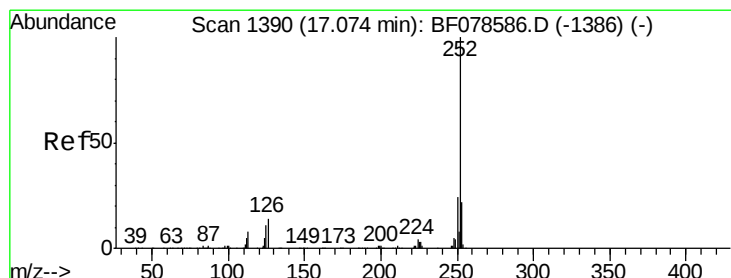
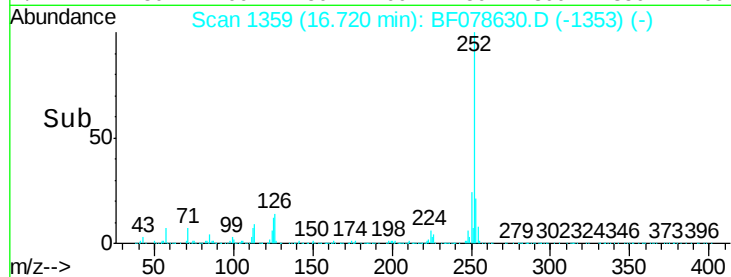
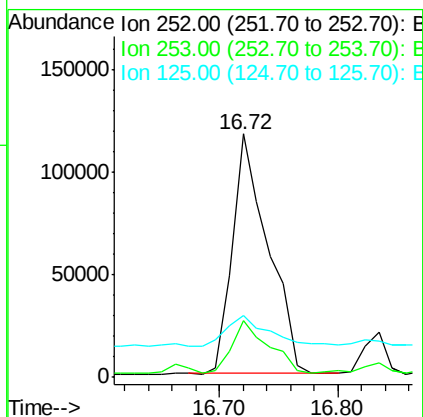
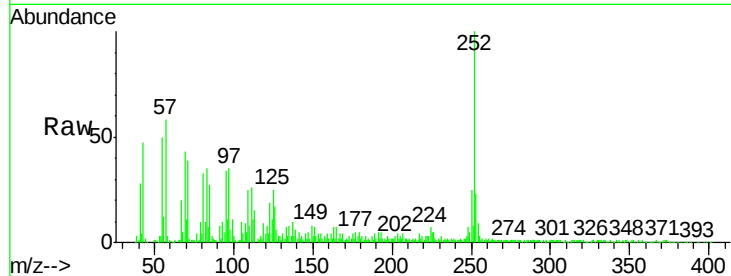




#88
Benzo(k)fluoranthene
Concen: 25.91 ng
RT: 16.72 min Scan# 1359
Delta R.T. -0.03 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

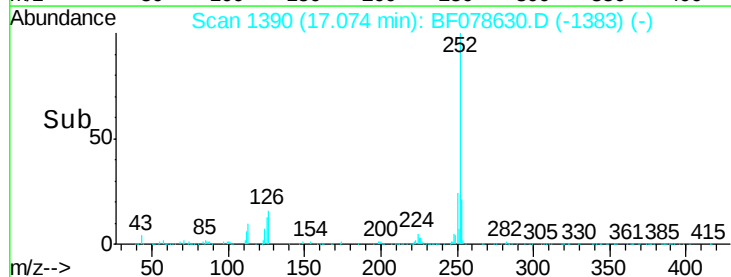
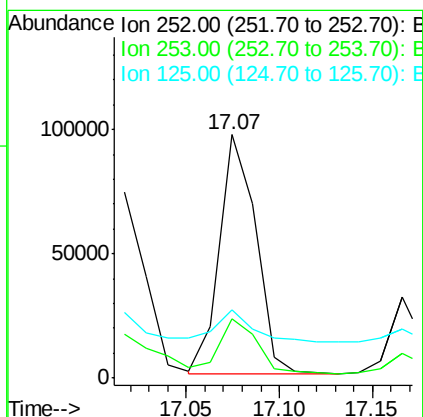
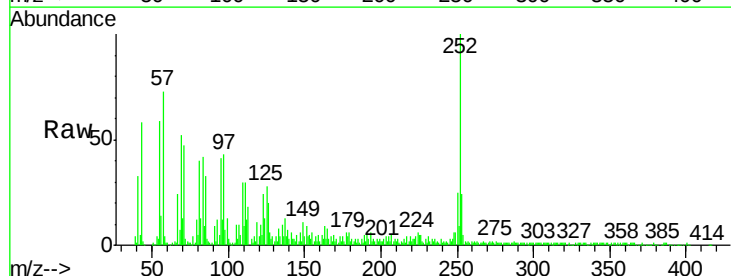
Instrument :
BNA_F
ClientSampleId :
S3-1-4

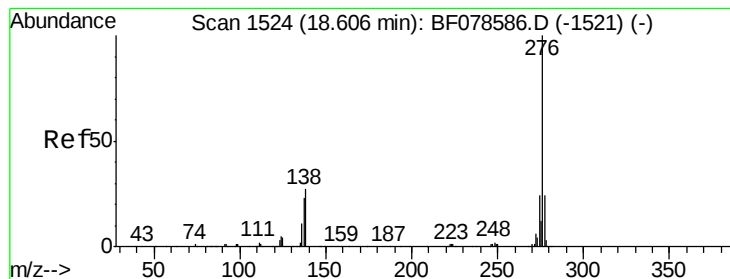
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	25.2	11.6	17.4#



#89
Benzo(a)pyrene
Concen: 14.20 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF078630.D
Acq: 18 Apr 2015 8:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.8	25.2
125	28.0	7.4	11.0#





#91

Benzo(g,h,i)perylene

Concen: 10.34 ng

RT: 18.63 min Scan# 1526

Delta R.T. -0.03 min

Lab File: BF078630.D

Acq: 18 Apr 2015 8:04

Instrument :

BNA_F

ClientSampleId :

S3-1-4

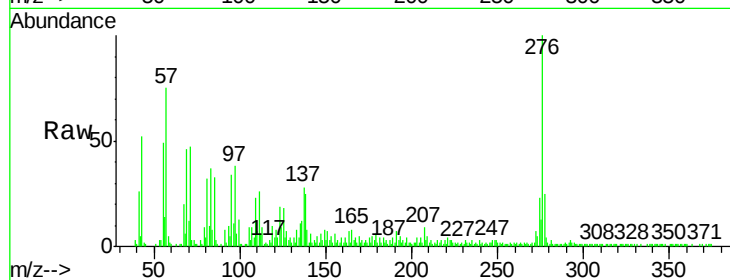
Tgt Ion: 276 Resp: 95985

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 24.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

