

Data Path : Z:\HPCHEM1\BNA F\Data\BF041015\
 Data File : BF078426.D
 Acq On : 11 Apr 2015 6:31
 Operator : TP/IZ
 Sample : G1793-22
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 01:20:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

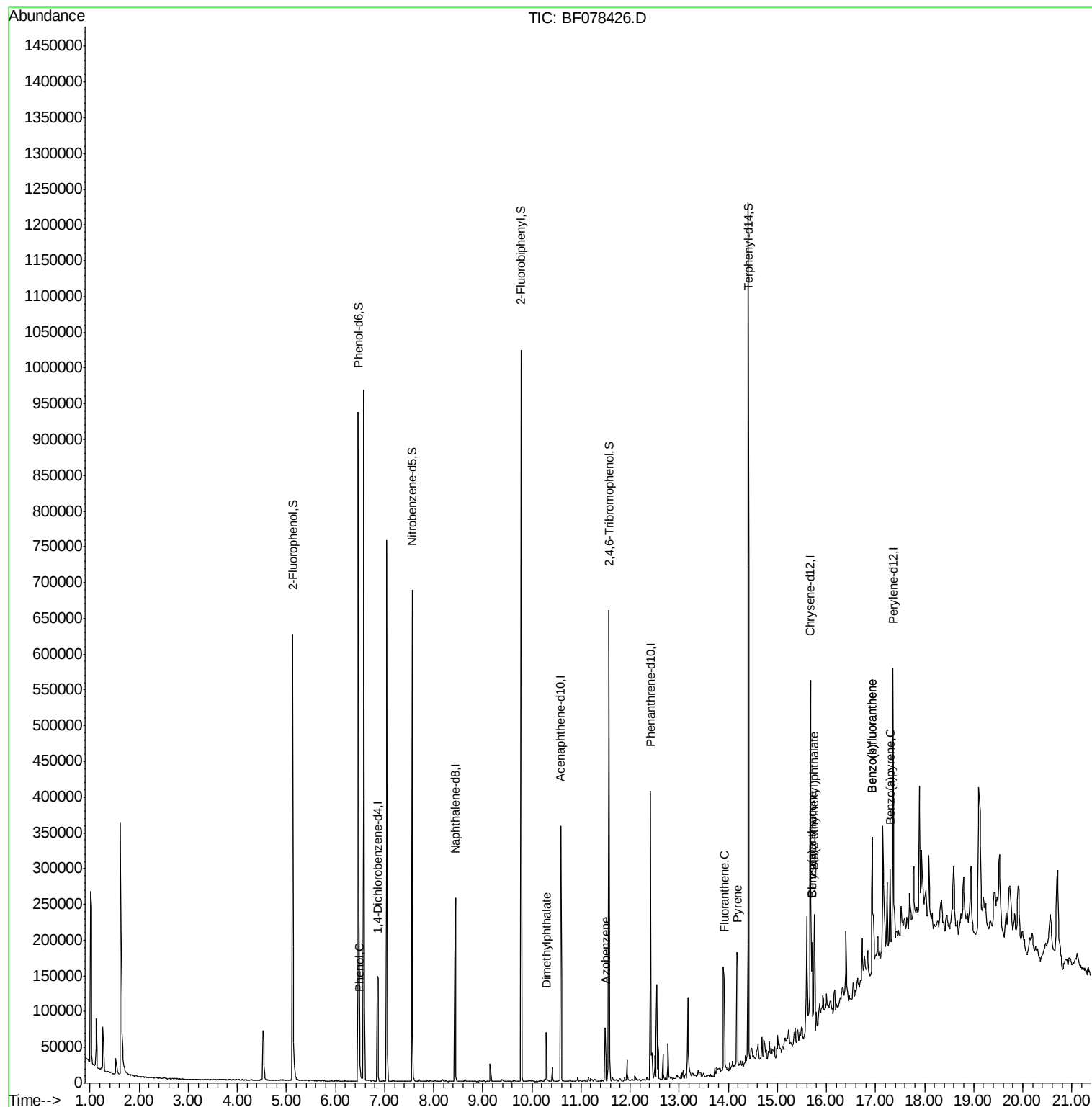
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	35600	20.00	ng	-0.02
21) Naphthalene-d8	8.44	136	155799	20.00	ng	-0.02
38) Acenaphthene-d10	10.59	164	79221	20.00	ng	-0.05
63) Phenanthrene-d10	12.42	188	164196	20.00	ng	-0.05
75) Chrysene-d12	15.68	240	172811	20.00	ng	-0.07
86) Perylene-d12	17.36	264	171495	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	276041	127.85	ng	-0.05
7) Phenol-d6	6.46	99	352264	130.18	ng	-0.01
23) Nitrobenzene-d5	7.56	82	216534	84.24	ng	-0.02
41) 2,4,6-Tribromophenol	11.57	330	100836	153.47	ng	-0.05
44) 2-Fluorobiphenyl	9.78	172	424221	76.54	ng	-0.03
78) Terphenyl-d14	14.41	244	501396	65.56	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.49	94	10541	3.25	ng	91
49) Dimethylphthalate	10.29	163	29255	4.92	ng	98
62) Azobenzene	11.49	77	15769	3.01	ng	# 1
74) Fluoranthene	13.92	202	83421	8.33	ng	90
77) Pyrene	14.19	202	83196	7.67	ng	97
80) Benzo(a)anthracene	15.71	228	40801	3.97	ng	96
82) Chrysene	15.71	228	55050	5.70	ng	97
83) Bis(2-ethylhexyl)phthalate	15.76	149	49560	7.64	ng	# 96
87) Benzo(b)fluoranthene	16.93	252	123711	11.67	ng	# 94
88) Benzo(k)fluoranthene	16.93	252	123993	13.16	ng	98
89) Benzo(a)pyrene	17.30	252	65119	7.04	ng	# 95

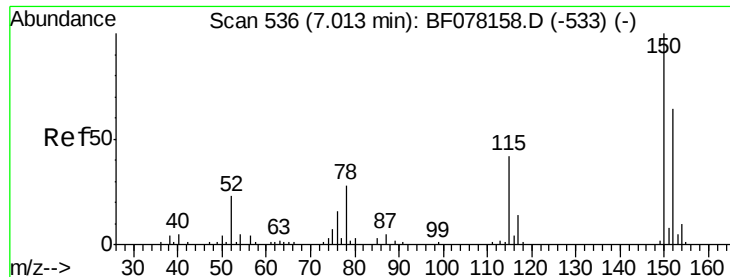
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

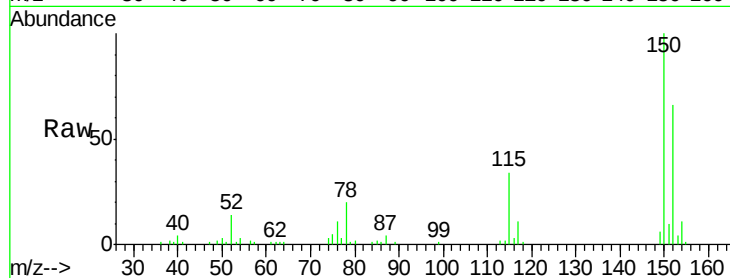
Tot Ion:152 Resp: 35600

Ion Ratio Lower Upper

152 100

150 152.6 125.9 188.9

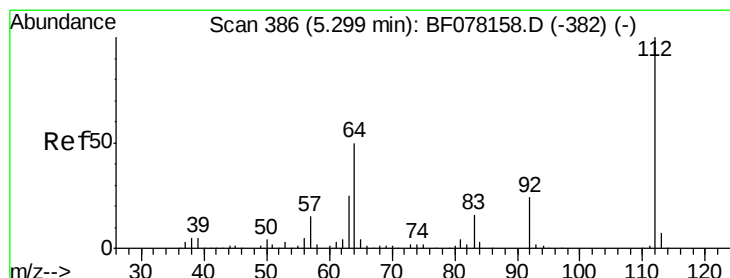
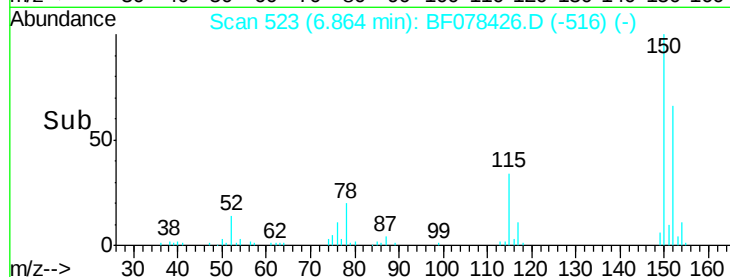
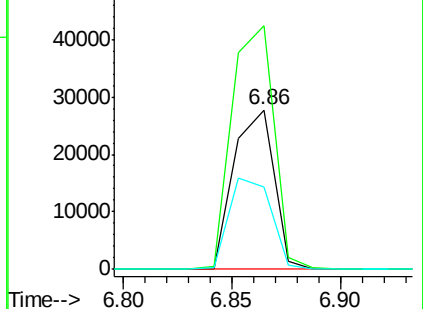
115 51.3 52.7 79.1#



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: 127.85 ng

RT: 5.13 min Scan# 371

Delta R.T. -0.05 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

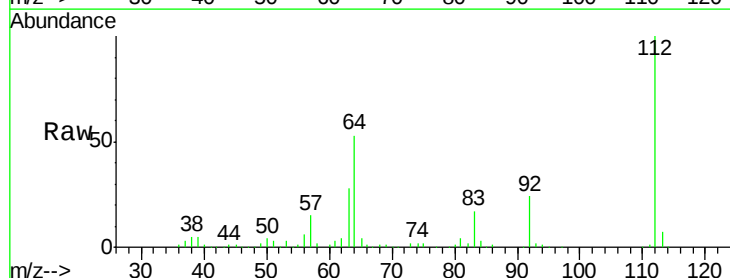
Tgt Ion:112 Resp: 276041

Ion Ratio Lower Upper

112 100

64 52.6 39.9 59.9

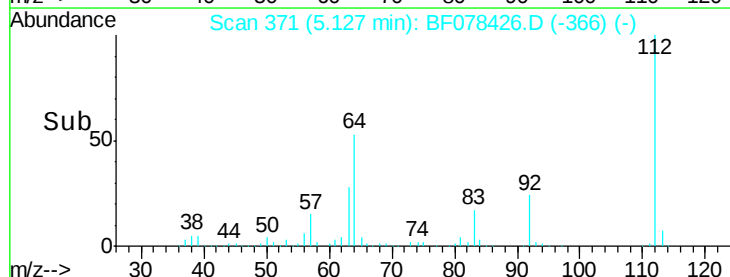
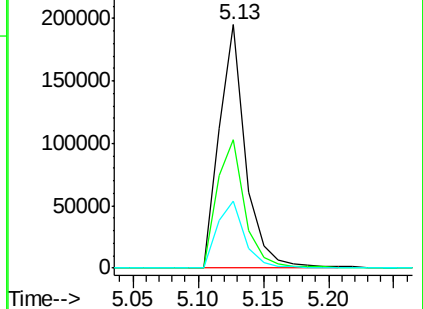
63 27.5 20.2 30.4



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: 130.18 ng

RT: 6.46 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

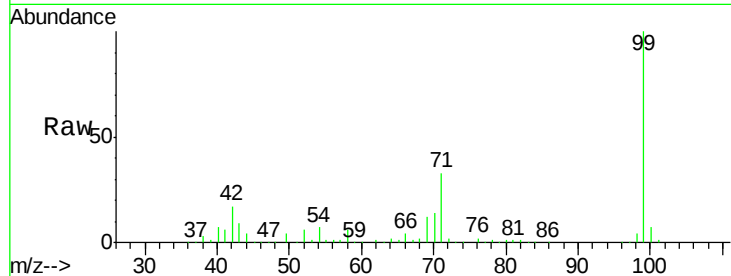
Tot Ion: 99 Resp: 352264

Ion Ratio Lower Upper

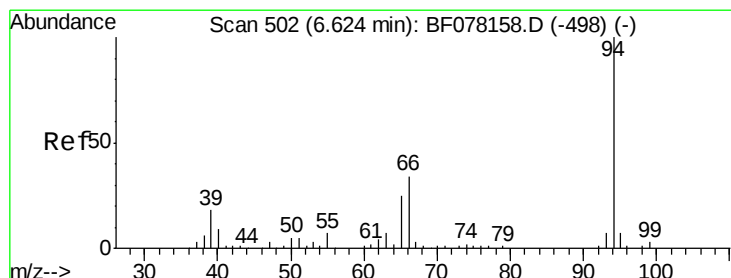
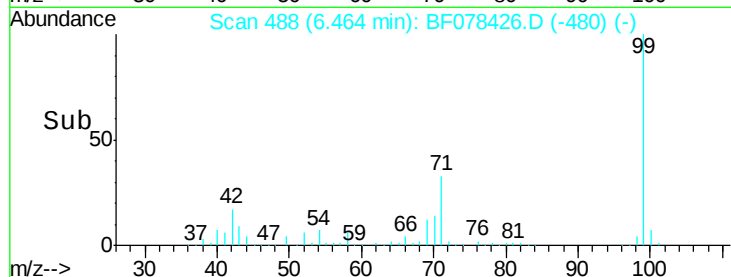
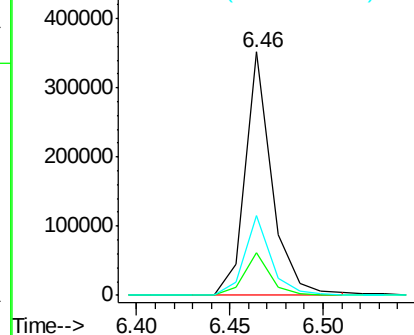
99 100

42 17.4 14.8 22.2

71 32.7 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



#10

Phenol

Concen: 3.25 ng

RT: 6.49 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

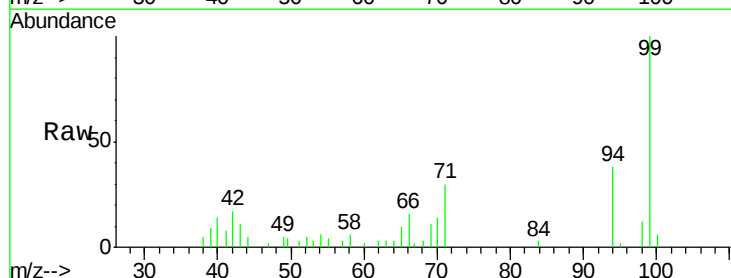
Tgt Ion: 94 Resp: 10541

Ion Ratio Lower Upper

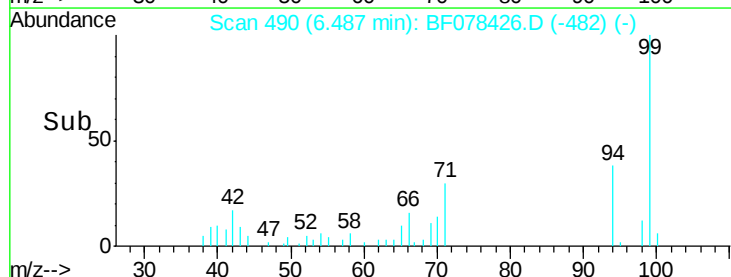
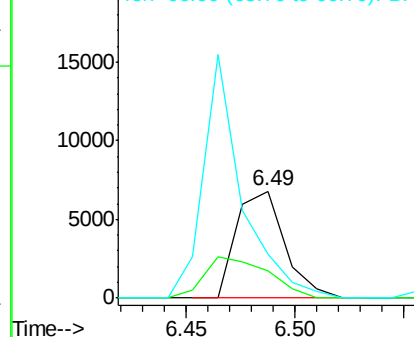
94 100

65 25.9 4.9 44.9

66 41.6 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

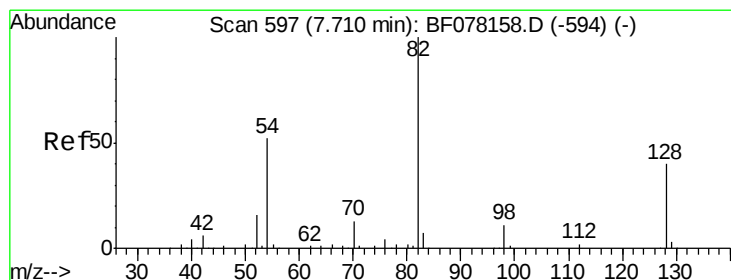
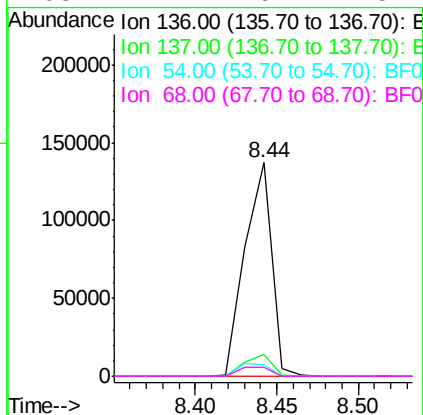
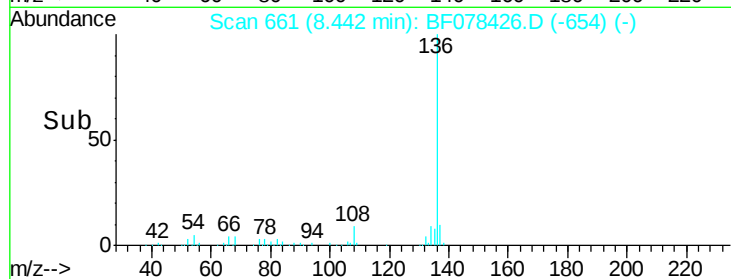
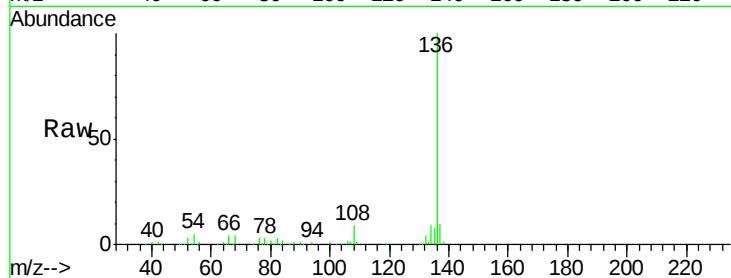




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.44 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

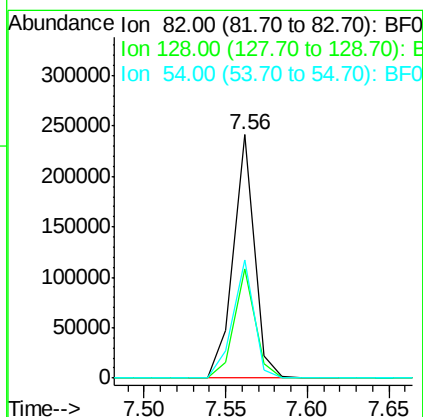
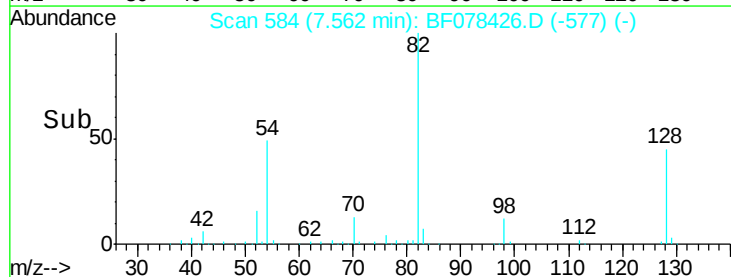
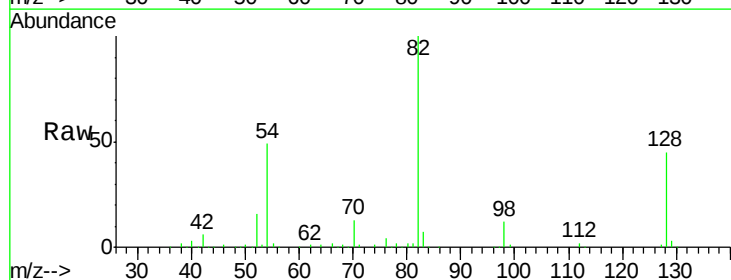
Instrument :
BNA_F
ClientSampleId :

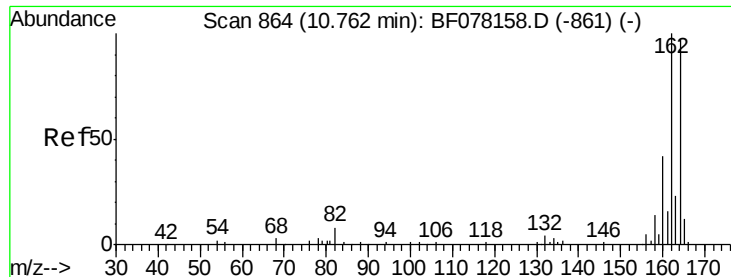
Tot Ion:136	Resp:	155799
Ion Ratio	Lower	Upper
136	100	
137	9.9	9.0 13.4
54	5.3	7.0 10.6#
68	4.4	5.4 8.2#



#23
Nitrobenzene-d5
Concen: 84.24 ng
RT: 7.56 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

Tgt Ion: 82	Resp:	216534
Ion Ratio	Lower	Upper
82	100	
128	44.6	31.8 47.8
54	48.6	41.5 62.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

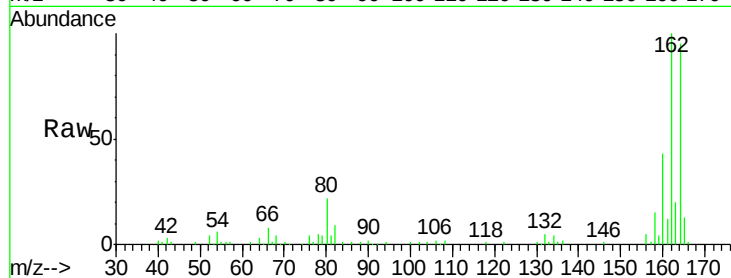
Tot Ion:164 Resp: 79221

Ion Ratio Lower Upper

164 100

162 104.8 82.2 123.2

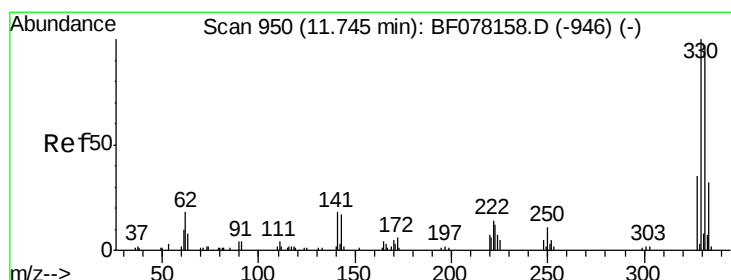
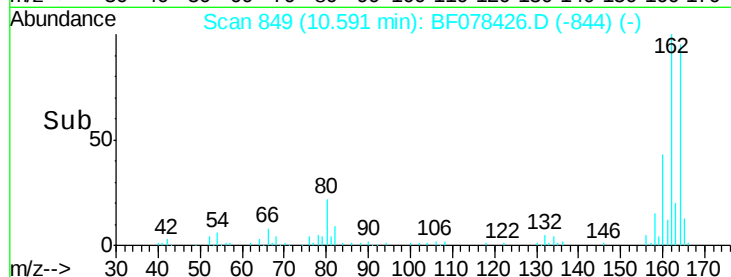
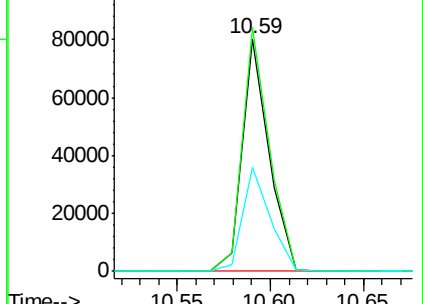
160 44.8 34.7 52.1



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: 153.47 ng

RT: 11.57 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

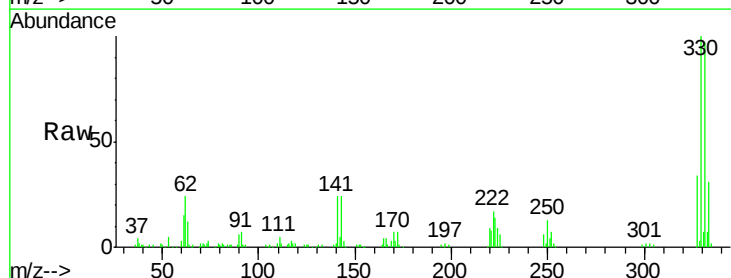
Tgt Ion:330 Resp: 100836

Ion Ratio Lower Upper

330 100

332 97.7 78.6 117.8

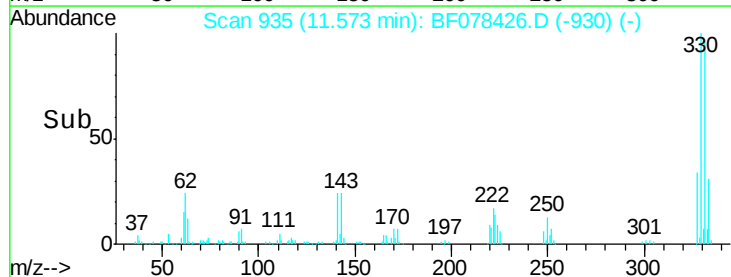
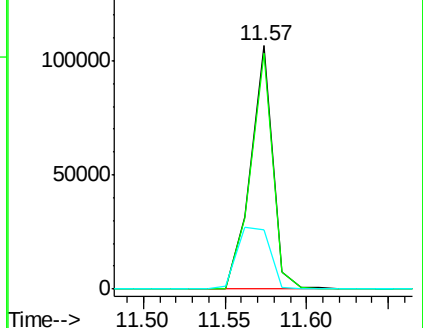
141 37.6 31.2 46.8



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

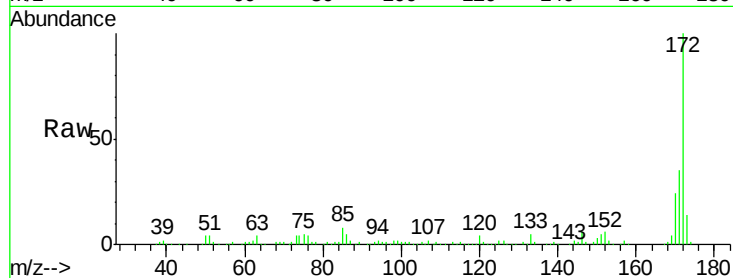




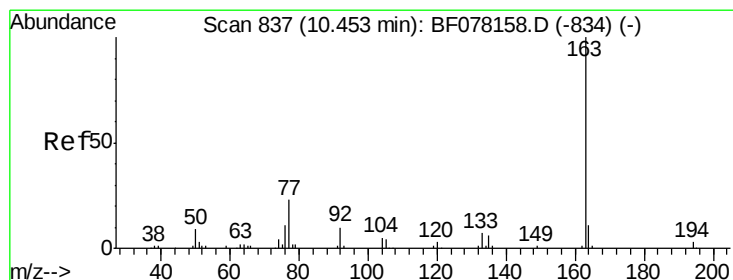
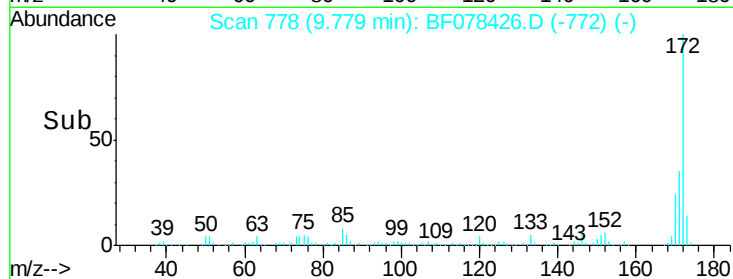
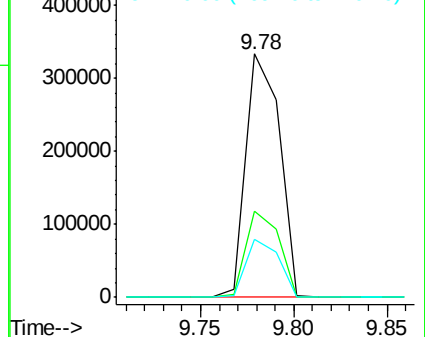
#44
 2-Fluorobiphenyl
 Concen: 76.54 ng
 RT: 9.78 min Scan# 778
 Delta R.T. -0.03 min
 Lab File: BF078426.D
 Acq: 11 Apr 2015 6:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 424221
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.9 18.5 27.7

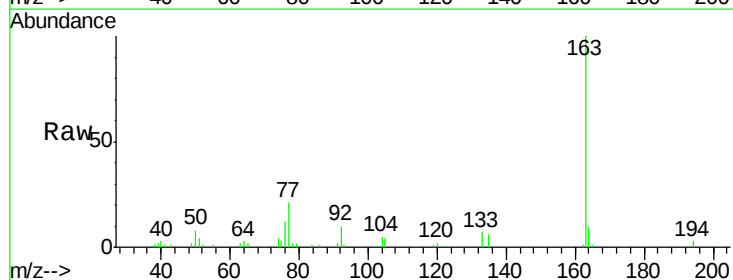


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

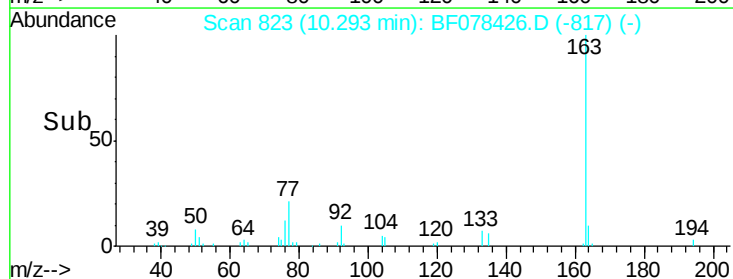
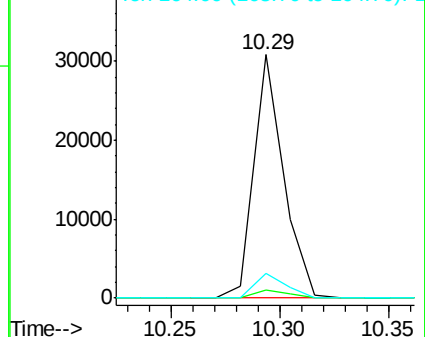


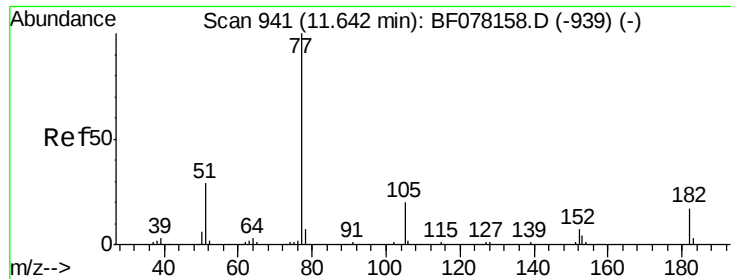
#49
 Dimethylphthalate
 Concen: 4.92 ng
 RT: 10.29 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: BF078426.D
 Acq: 11 Apr 2015 6:31

Tgt Ion:163 Resp: 29255
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.3 3.5
 164 9.9 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





#62

Azobenzene

Concen: 3.01 ng

RT: 11.49 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleID :

Tot Ion: 77 Resp: 15769

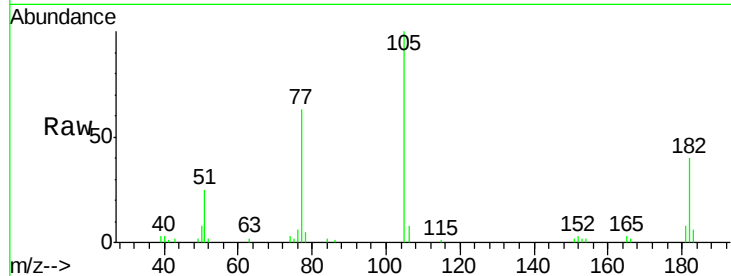
Ion Ratio Lower Upper

77 100

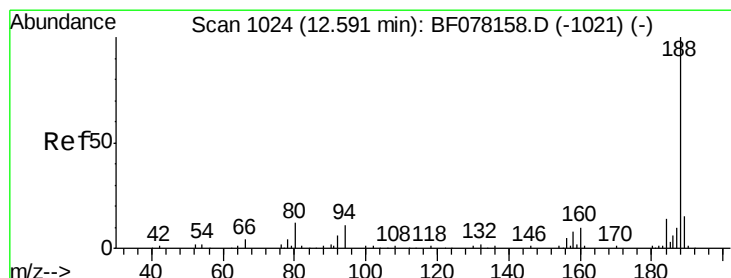
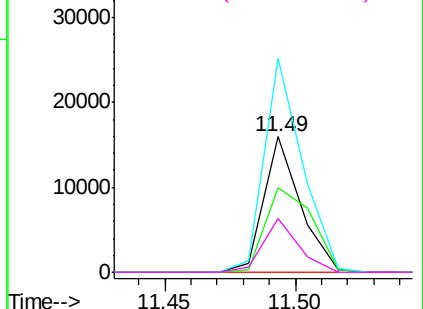
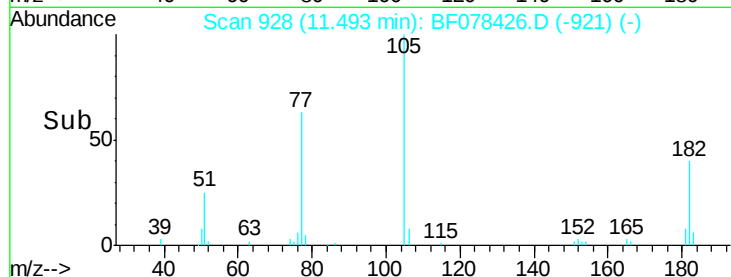
182 62.4 0.0 36.8#

105 157.8 0.3 40.3#

51 40.1 9.1 49.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.42 min Scan# 1009

Delta R.T. -0.05 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

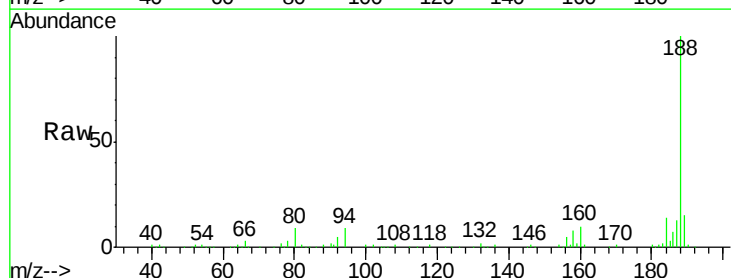
Tgt Ion: 188 Resp: 164196

Ion Ratio Lower Upper

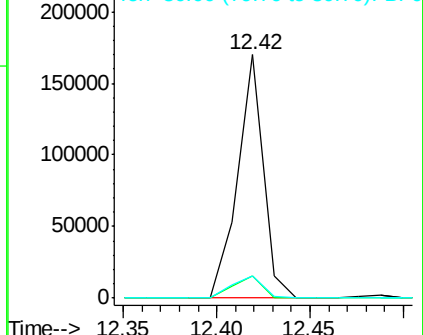
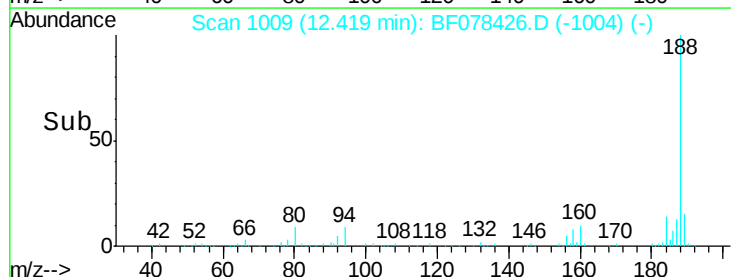
188 100

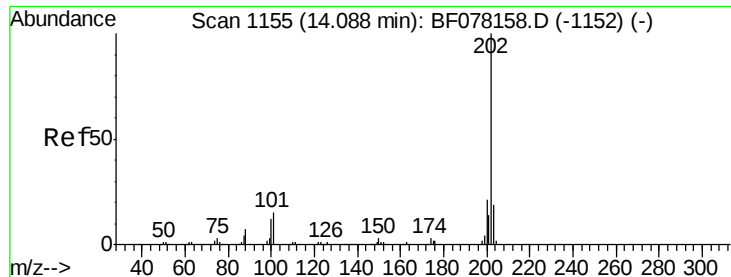
94 8.9 9.0 13.4#

80 9.1 9.5 14.3#



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





#74

Fluoranthene

Concen: 8.33 ng

RT: 13.92 min Scan# 1140

Delta R.T. -0.05 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

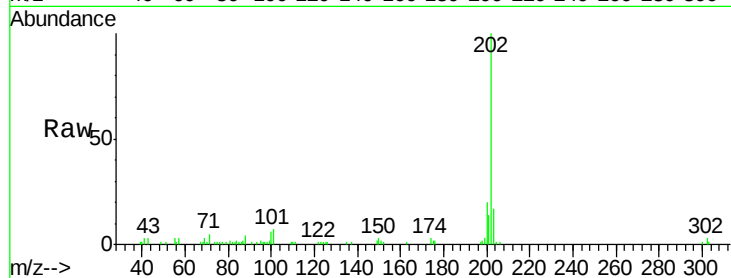
Tot Ion:202 Resp: 83421

Ion Ratio Lower Upper

202 100

101 7.4 0.0 35.2

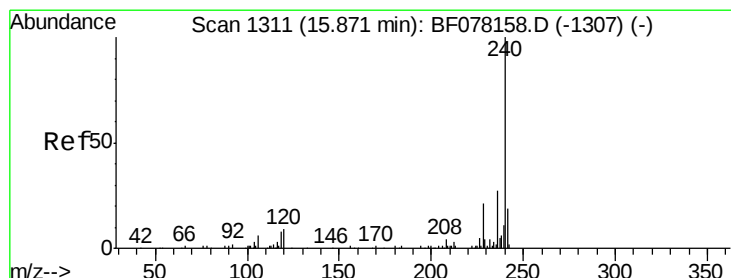
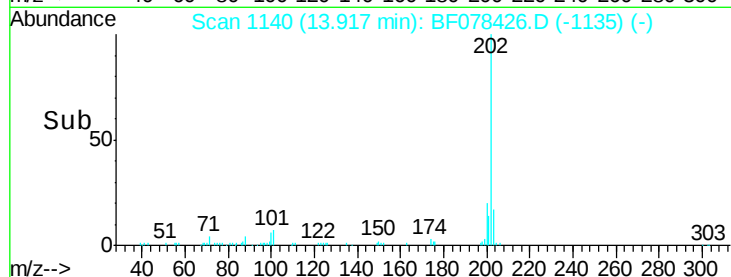
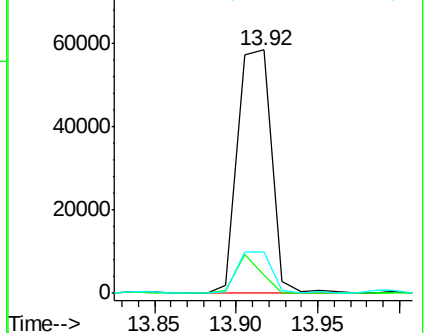
203 16.9 0.0 38.5



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: 15.68 min Scan# 1294

Delta R.T. -0.07 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

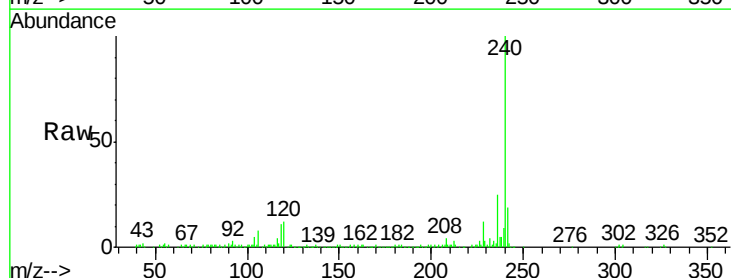
Tgt Ion:240 Resp: 172811

Ion Ratio Lower Upper

240 100

120 12.3 7.1 10.7#

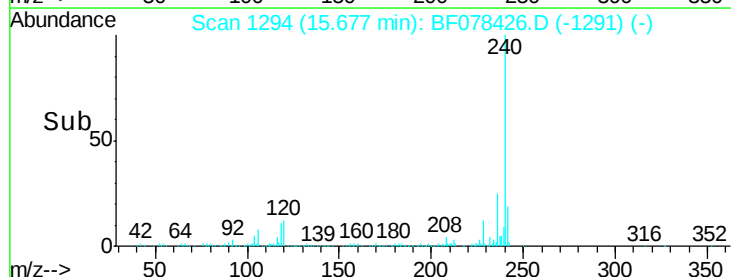
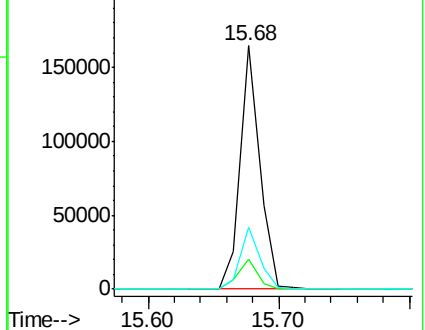
236 25.4 21.4 32.2

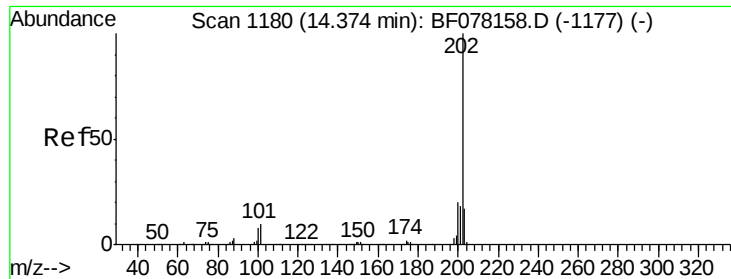


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

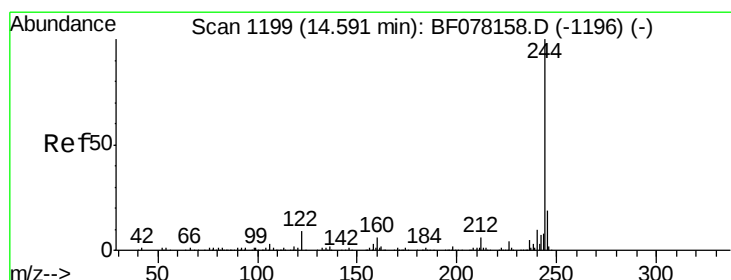
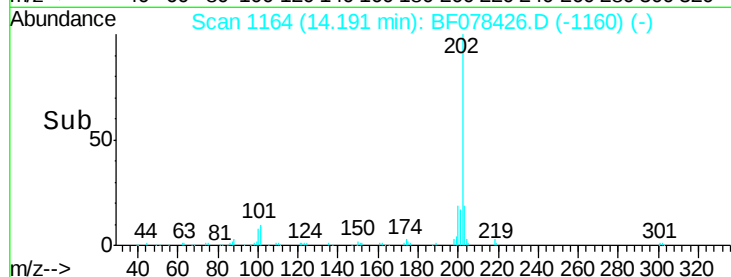
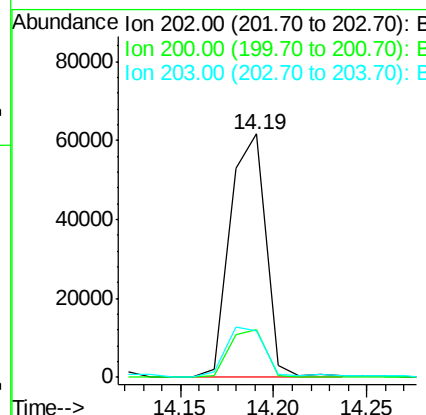
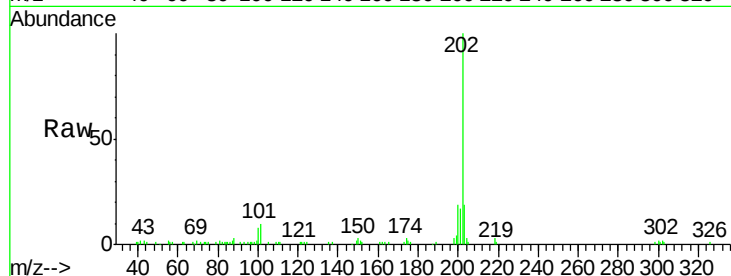




#77
Pvrene
Concen: 7.67 ng
RT: 14.19 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

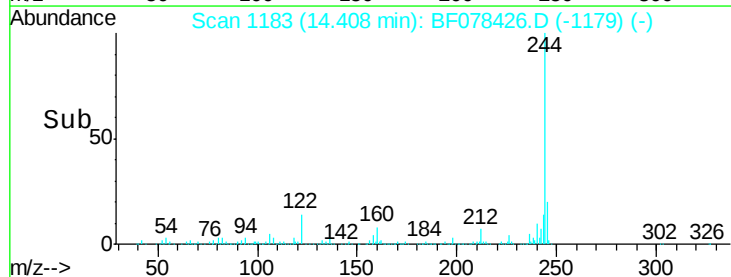
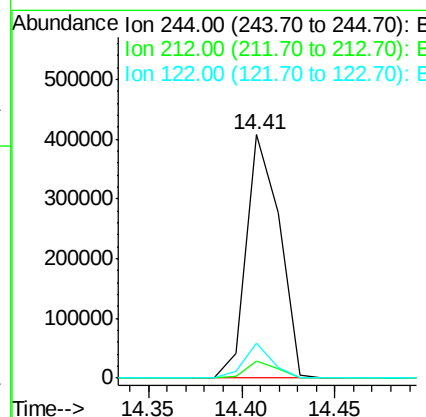
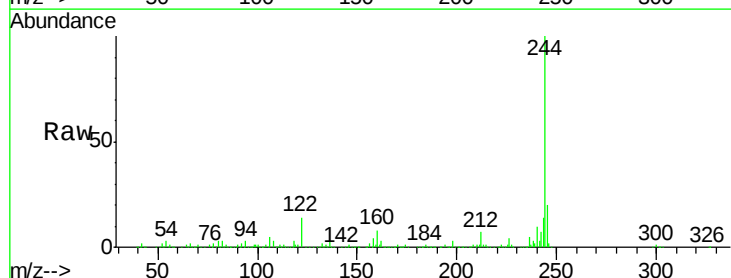
Instrument :
BNA_F
ClientSampleId :

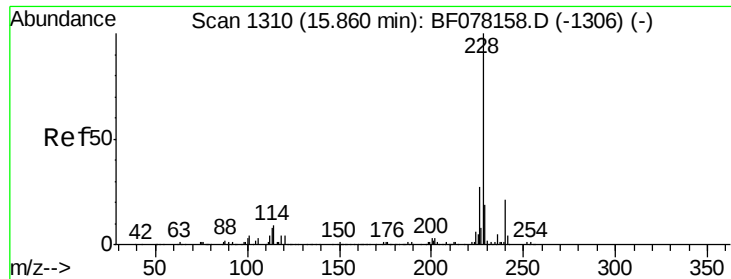
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.3	24.5
203	19.0	13.8	20.6



#78
Terphenyl-d14
Concen: 65.56 ng
RT: 14.41 min Scan# 1183
Delta R.T. -0.06 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.0	7.4
122	14.2	7.1	10.7





#80

Benzo(a)anthracene

Concen: 3.97 ng

RT: 15.71 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

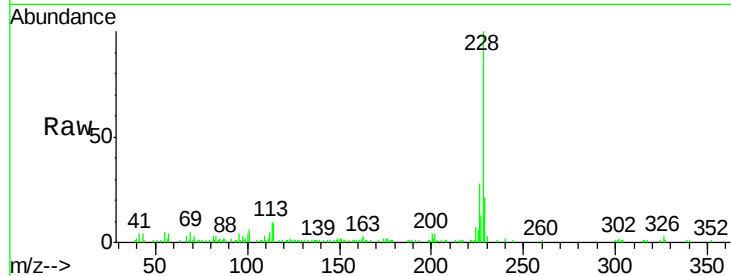
Tot Ion:228 Resp: 40801

Ion Ratio Lower Upper

228 100

226 28.4 21.3 31.9

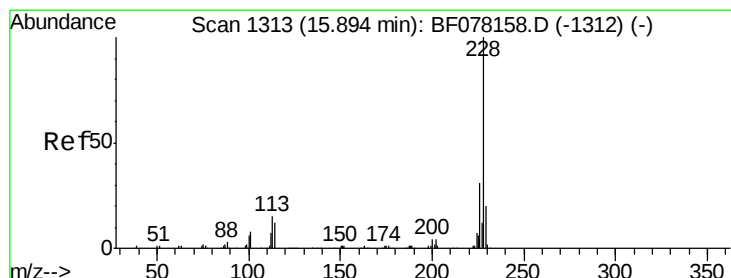
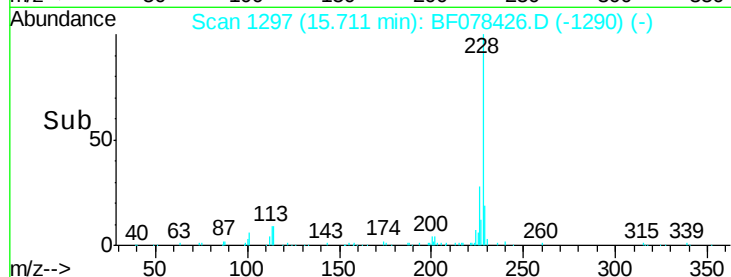
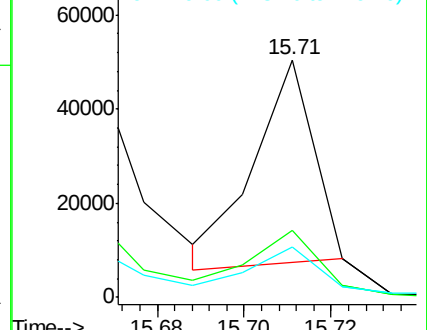
229 21.0 15.4 23.2



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: 5.70 ng

RT: 15.71 min Scan# 1297

Delta R.T. -0.06 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

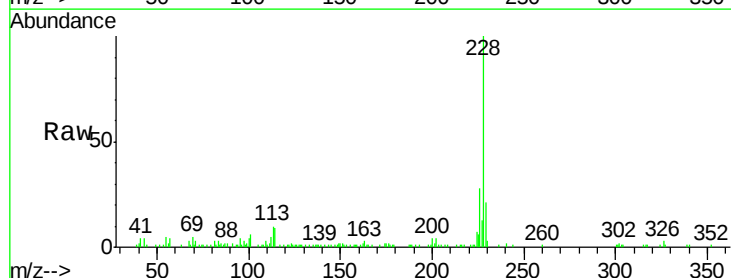
Tgt Ion:228 Resp: 55050

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

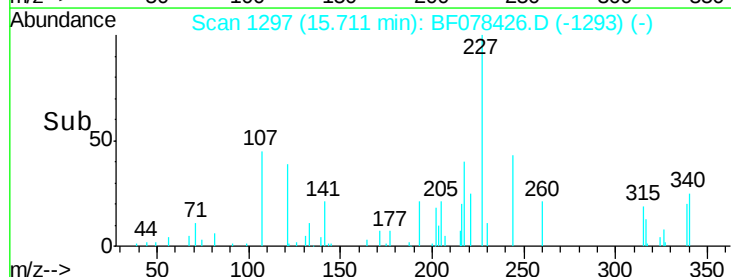
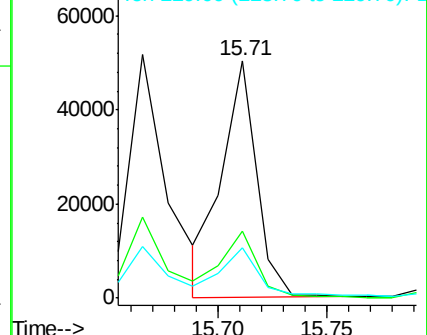
229 21.0 15.8 23.8

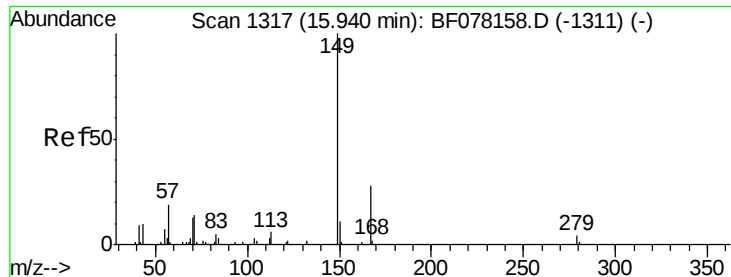


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

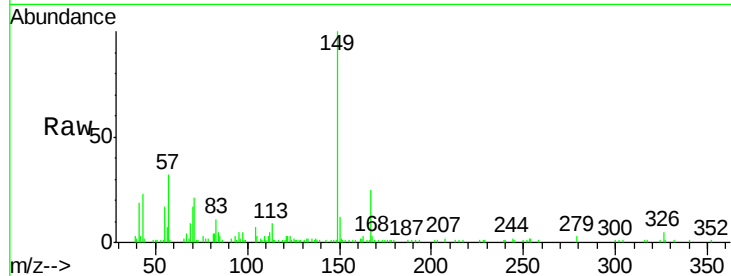




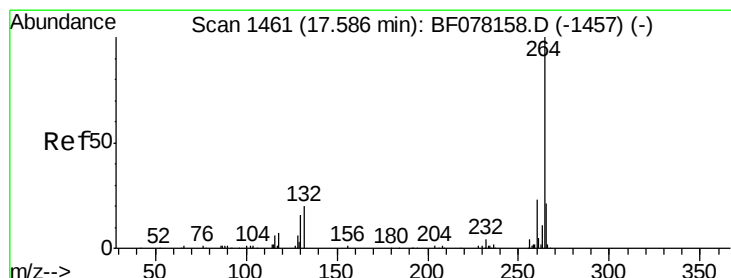
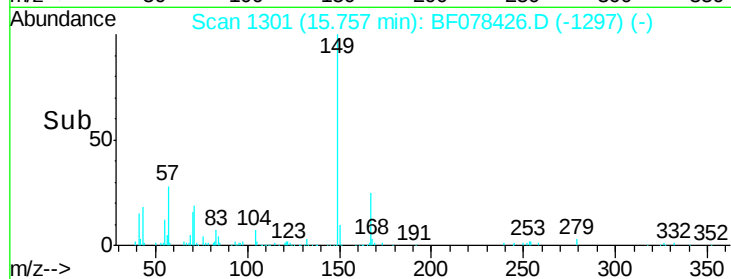
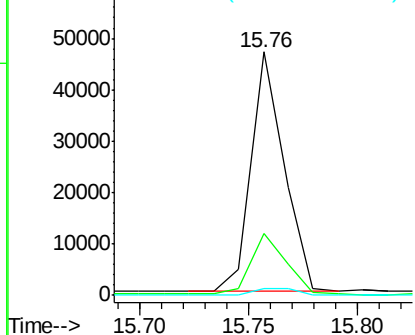
#83
Bis(2-ethylhexyl)phthalate
Concen: 7.64 ng
RT: 15.76 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 49560
Ion Ratio Lower Upper
149 100
167 25.4 22.2 33.2
279 2.6 3.2 4.8#

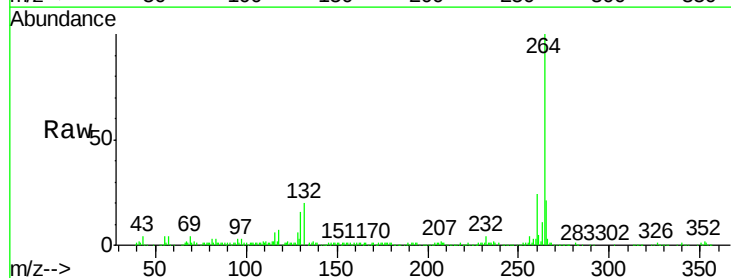


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

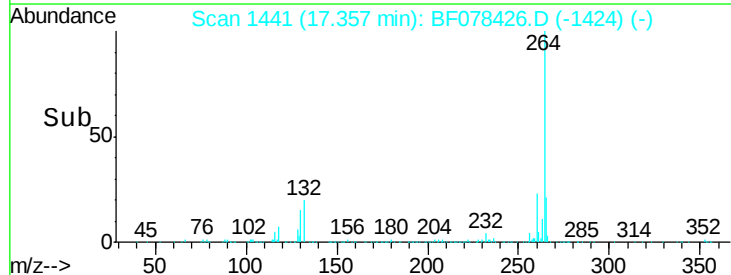
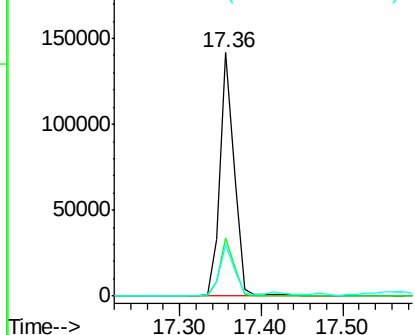


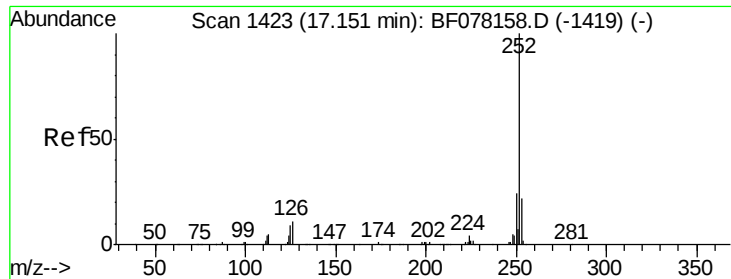
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.36 min Scan# 1441
Delta R.T. -0.10 min
Lab File: BF078426.D
Acq: 11 Apr 2015 6:31

Tgt Ion:264 Resp: 171495
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.1 17.0 25.6



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





#87

Benzo(b)fluoranthene

Concen: 11.67 ng

RT: 16.93 min Scan# 1404

Delta R.T. -0.09 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

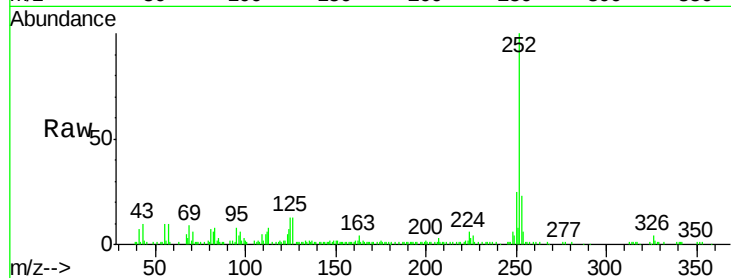
Tot Ion:252 Resp: 123711

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

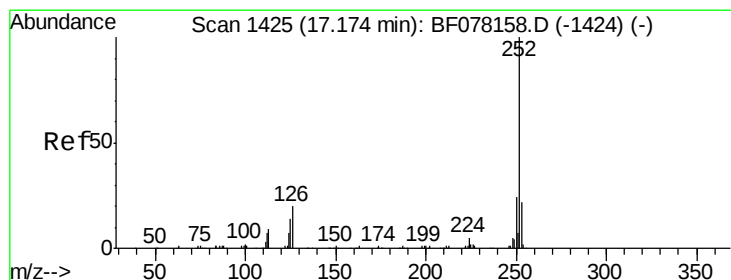
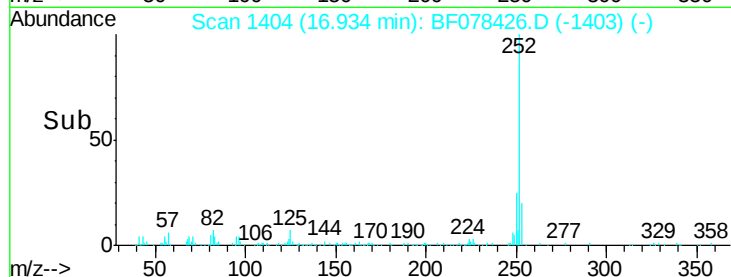
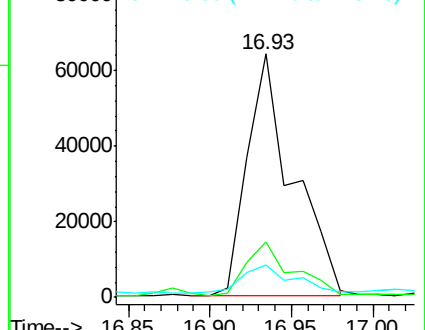
125 13.3 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.16 ng

RT: 16.93 min Scan# 1404

Delta R.T. -0.11 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

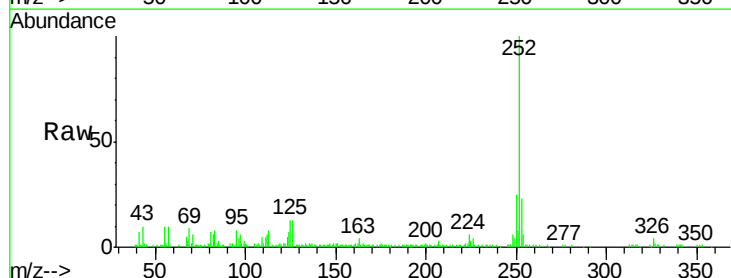
Tgt Ion:252 Resp: 123993

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

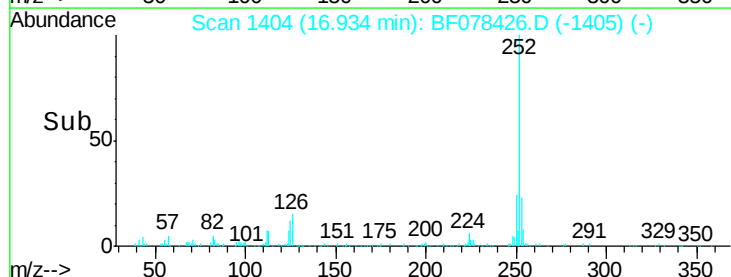
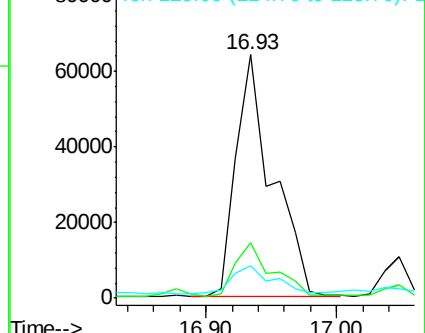
125 13.3 11.6 17.4

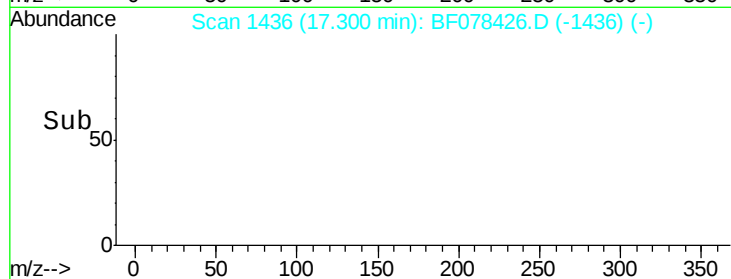
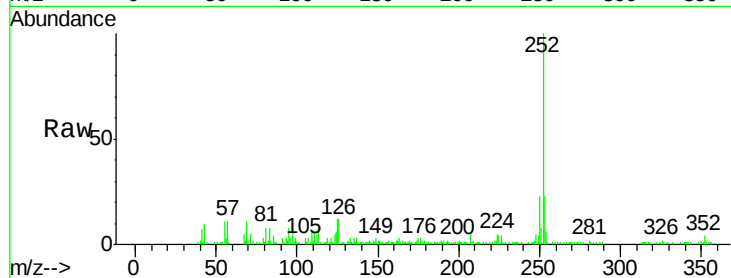
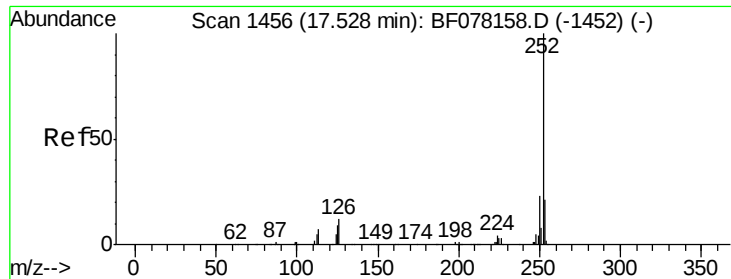


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.04 ng

RT: 17.30 min Scan# 1436

Delta R.T. -0.10 min

Lab File: BF078426.D

Acq: 11 Apr 2015 6:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	65119
Ion Ratio	Lower	Upper	
252	100		
253	22.9	16.8	25.2
125	11.6	7.4	11.0

