

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043015\
 Data File : BF078868.D
 Acq On : 1 May 2015 1:07
 Operator : TP/IZ
 Sample : G2044-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-62S

Quant Time: May 01 02:33:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

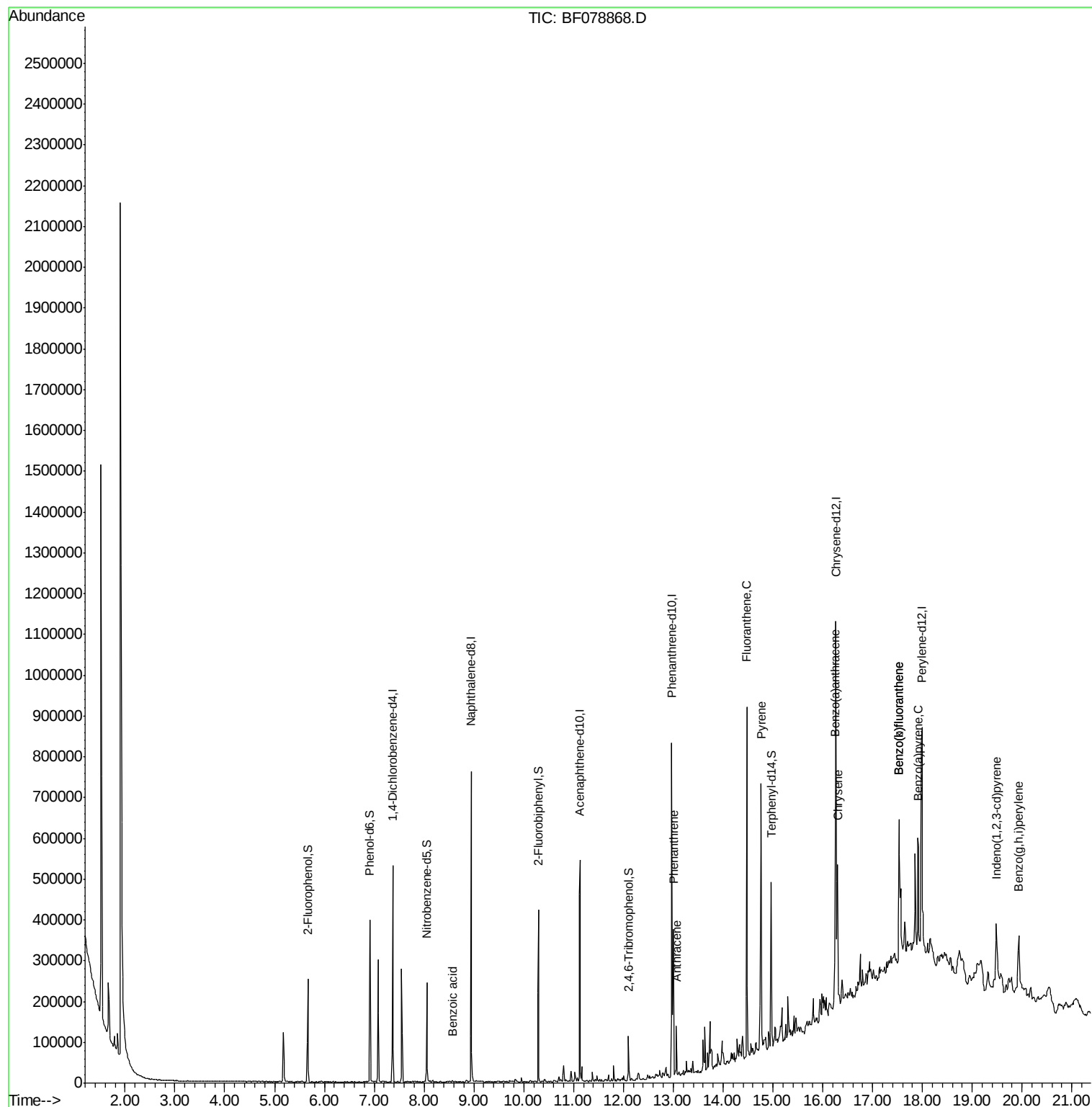
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	75270	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	319642	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	150354	20.00	ng	0.00
63) Phenanthrene-d10	12.97	188	297032	20.00	ng	0.00
75) Chrysene-d12	16.26	240	305068	20.00	ng	-0.01
86) Perylene-d12	17.99	264	322273	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	74060	16.94	ng	0.00
7) Phenol-d6	6.91	99	126096	21.82	ng	0.00
23) Nitrobenzene-d5	8.06	82	68591	12.33	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	11351	6.98	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	153848	14.26	ng	0.00
78) Terphenyl-d14	14.97	244	183042	14.36	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.57	122	564	6.48	ng	92
70) Phenanthrene	13.01	178	190199	11.45	ng	97
71) Anthracene	13.06	178	47575	2.92	ng	99
74) Fluoranthene	14.48	202	354793	20.49	ng	96
77) Pyrene	14.77	202	345011	19.63	ng	99
80) Benzo(a)anthracene	16.25	228	185377	11.10	ng	99
82) Chrysene	16.30	228	142370	8.86	ng	97
85) Indeno(1,2,3-cd)pyrene	19.49	276	111706	5.46	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	283781	16.09	ng	99
88) Benzo(k)fluoranthene	17.53	252	286798	16.79	ng	99
89) Benzo(a)pyrene	17.92	252	159892	9.84	ng	# 96
91) Benzo(g,h,i)perylene	19.93	276	111331	6.43	ng	95

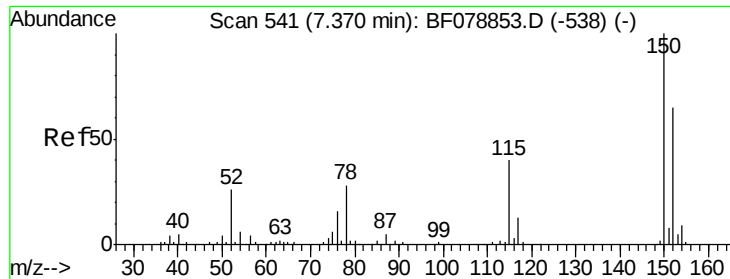
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.37 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampleId :

SB-62S

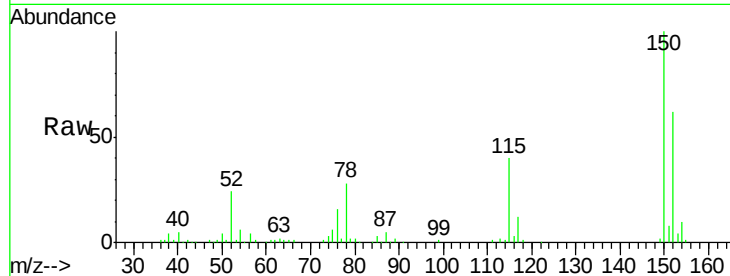
Tgt Ion:152 Resp: 75270

Ion Ratio Lower Upper

152 100

150 161.0 122.0 183.0

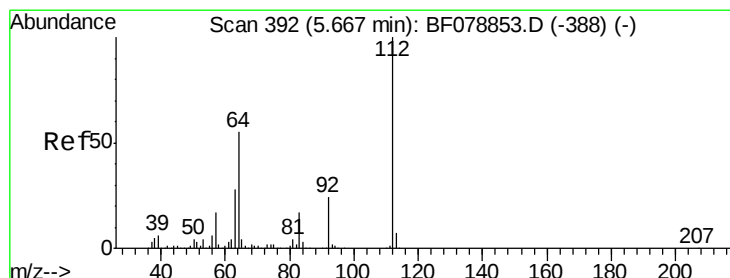
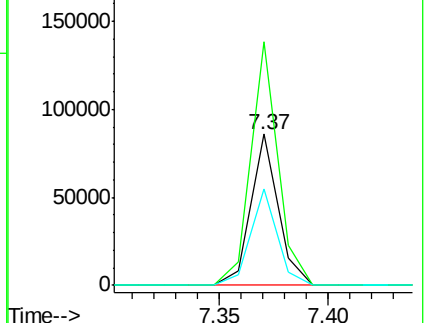
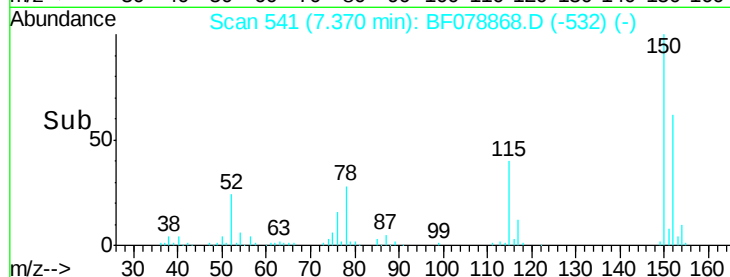
115 63.9 46.3 69.5



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: 16.94 ng

RT: 5.67 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

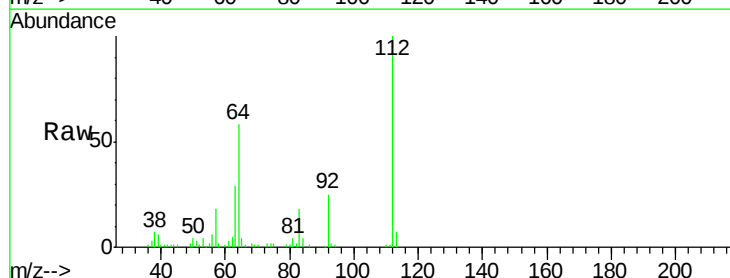
Tgt Ion:112 Resp: 74060

Ion Ratio Lower Upper

112 100

64 57.7 53.5 80.3

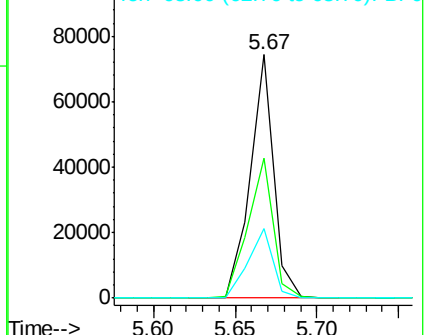
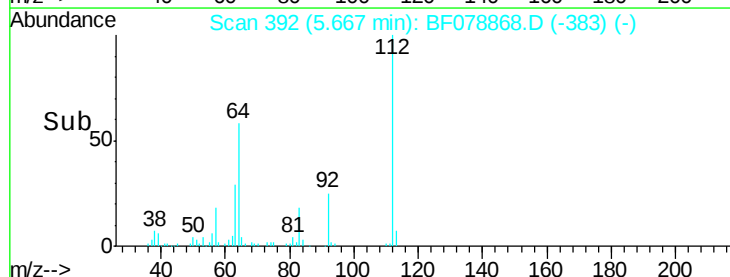
63 28.7 27.5 41.3

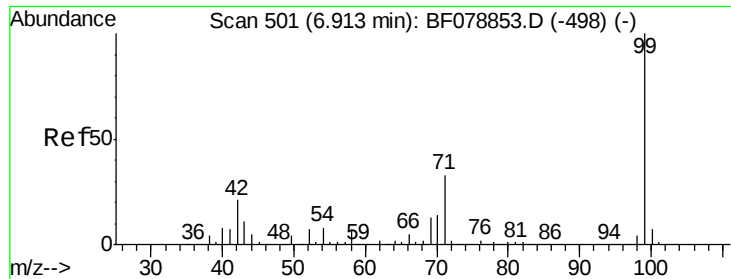


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.82 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampleId :

SB-62S

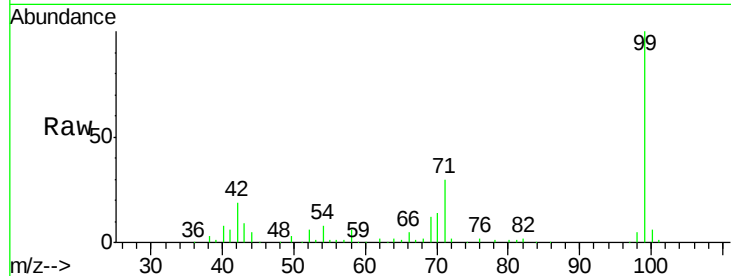
Tgt Ion: 99 Resp: 126096

Ion Ratio Lower Upper

99 100

42 19.0 12.8 19.2

71 30.2 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)

6.91

150000

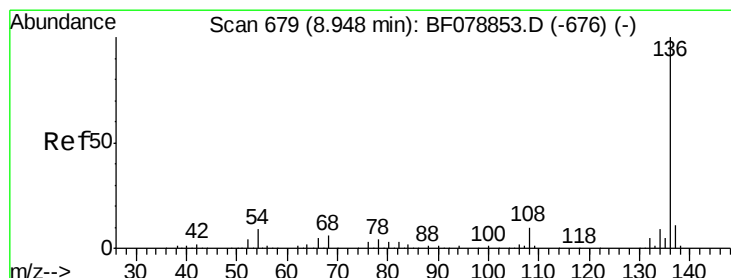
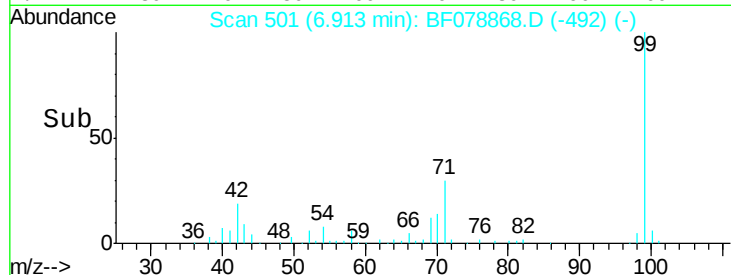
100000

50000

0

6.85 6.90 6.95 7.00

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.95 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Tgt Ion: 136 Resp: 319642

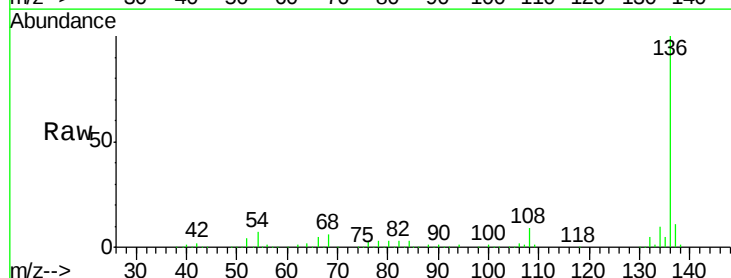
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.5 5.8 8.8

68 5.8 4.2 6.4



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

8.95

600000

500000

400000

300000

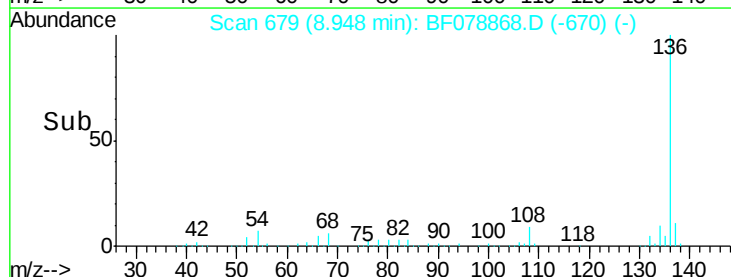
200000

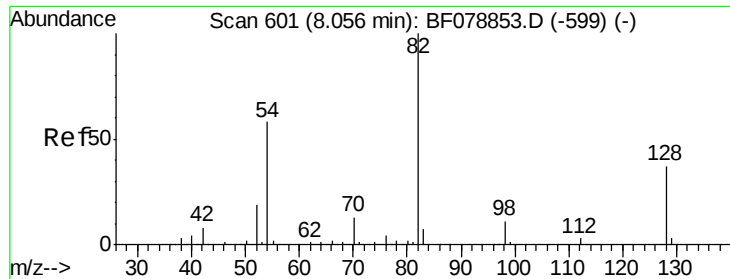
100000

0

8.90 8.95 9.00

Time-->

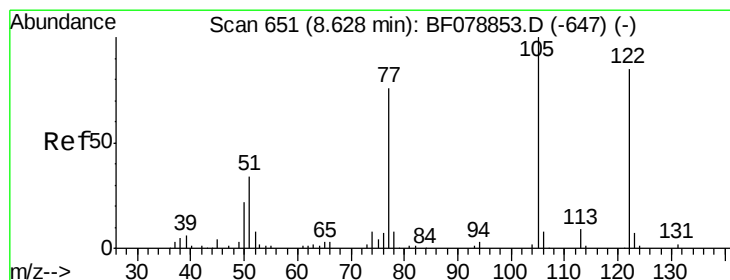
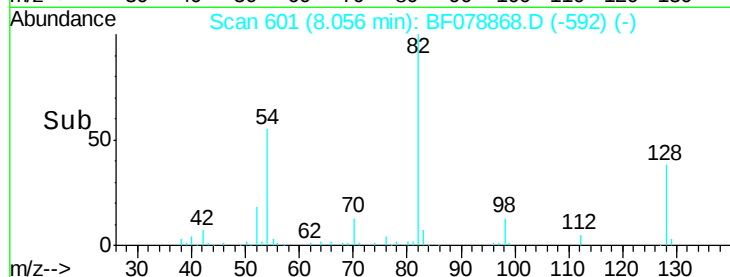
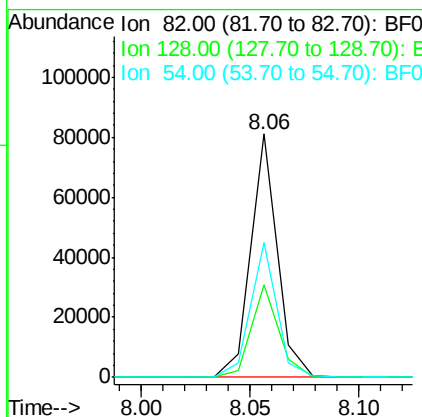
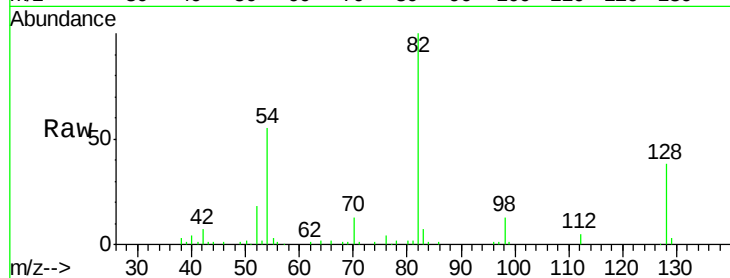




#23
 Nitrobenzene-d5
 Concen: 12.33 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

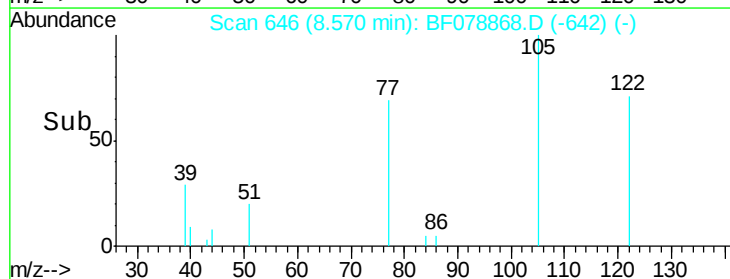
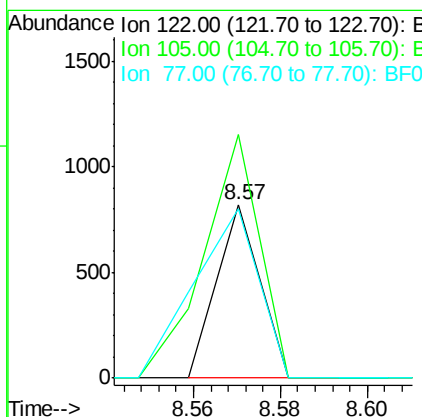
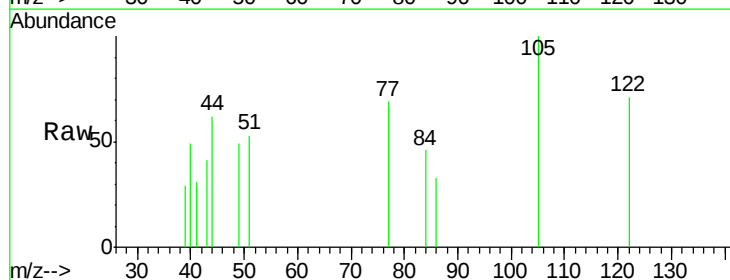
Instrument :
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 SB-62S

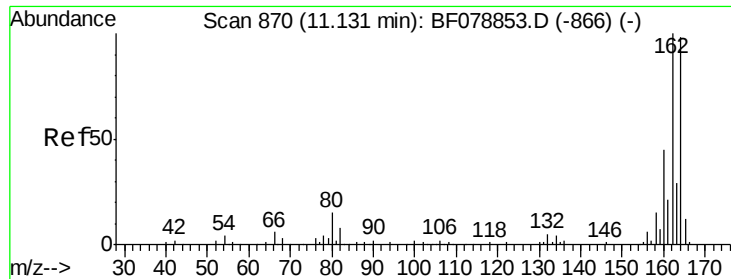
Tgt Ion: 82 Resp: 68591
 Ion Ratio Lower Upper
 82 100
 128 38.2 30.0 45.0
 54 55.2 46.4 69.6



#32
 Benzoic acid
 Concen: 6.48 ng
 RT: 8.57 min Scan# 646
 Delta R.T. -0.06 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Tgt Ion: 122 Resp: 564
 Ion Ratio Lower Upper
 122 100
 105 140.3 107.1 147.1
 77 97.4 73.9 113.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 870

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampleId :

SB-62S

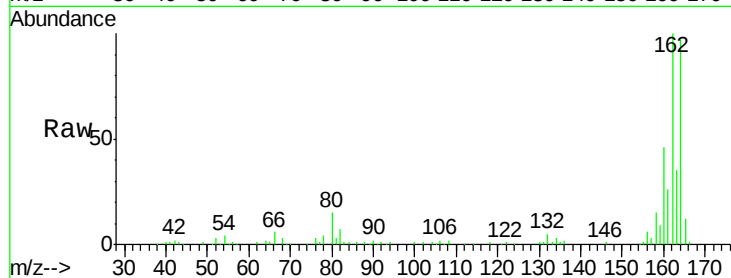
Tgt Ion:164 Resp: 150354

Ion Ratio Lower Upper

164 100

162 103.5 82.7 124.1

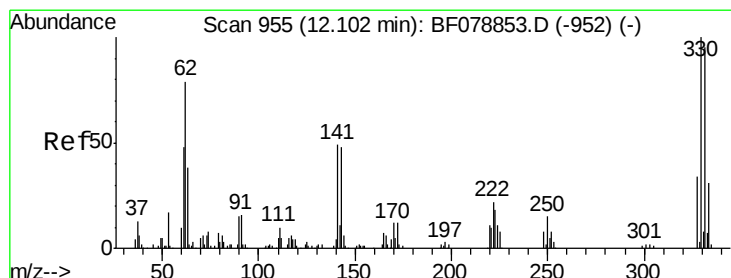
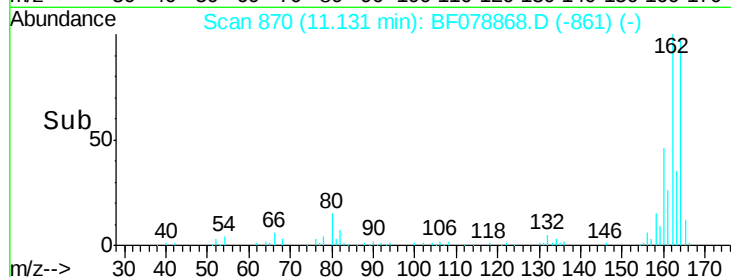
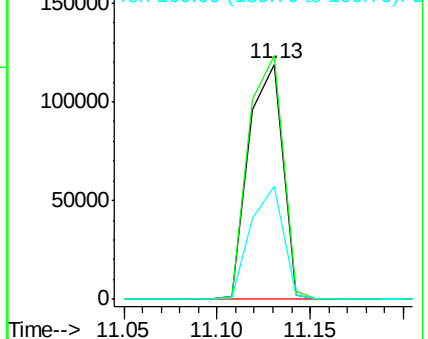
160 47.9 35.8 53.8



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: 6.98 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

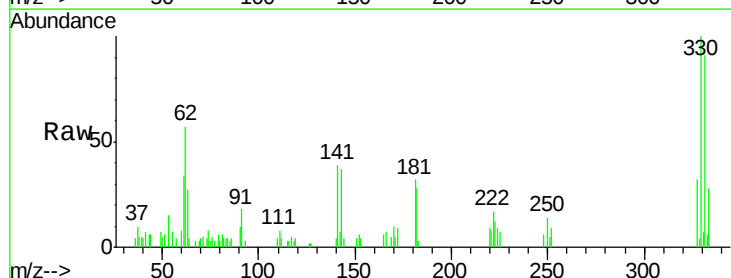
Tgt Ion:330 Resp: 11351

Ion Ratio Lower Upper

330 100

332 92.7 0.0 0.0#

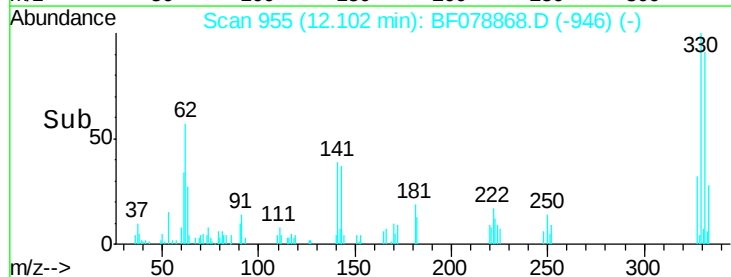
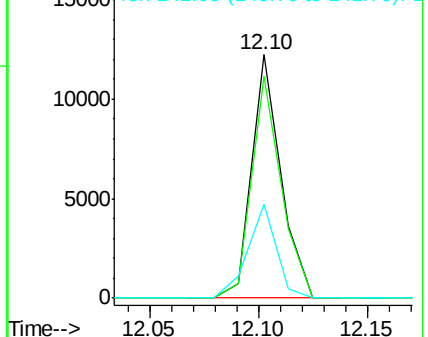
141 38.3 0.0 0.0#

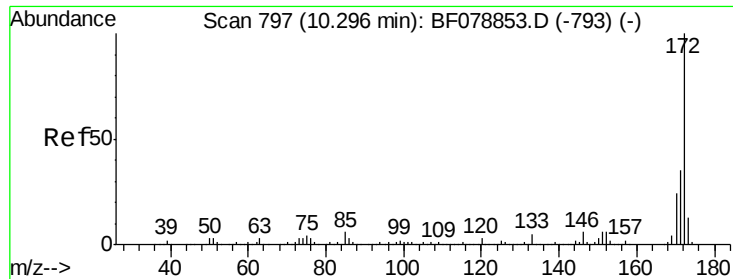


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

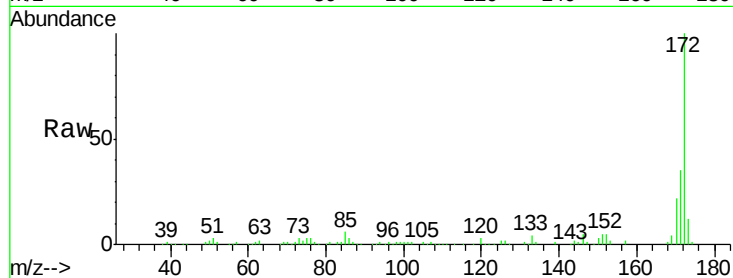




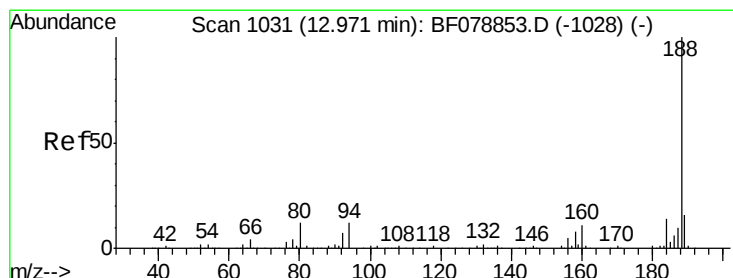
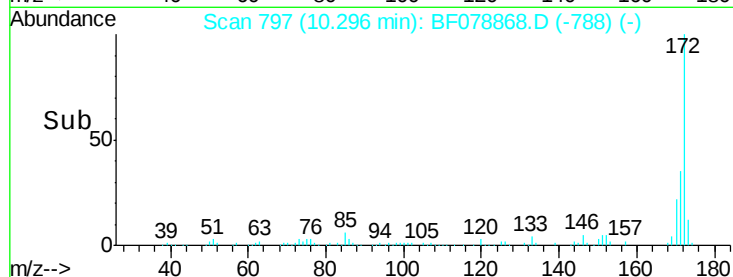
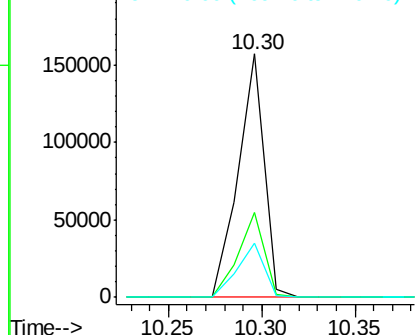
#44
 2-Fluorobiphenyl
 Concen: 14.26 ng
 RT: 10.30 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-62S

Tgt Ion:172 Resp: 153848
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.9 41.9
 170 22.0 19.4 29.0

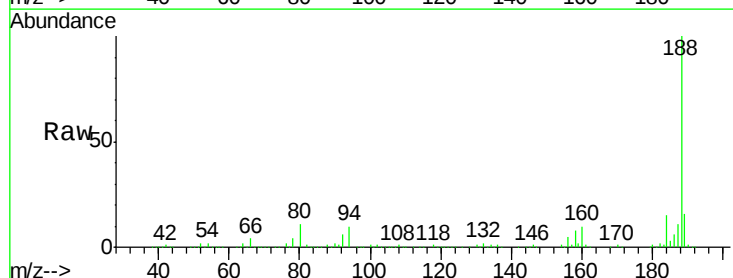


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

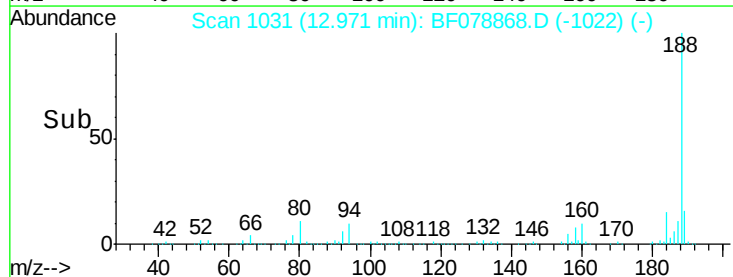
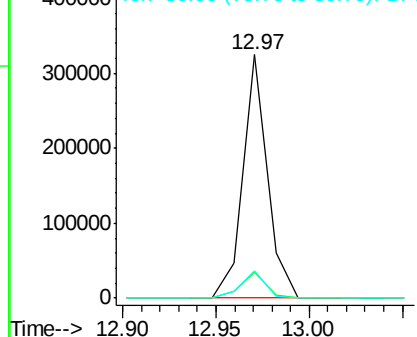


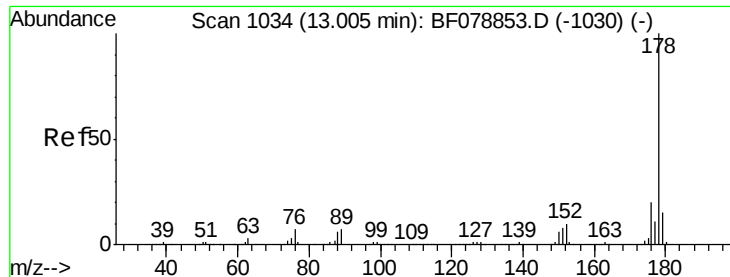
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Tgt Ion:188 Resp: 297032
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.2 12.2
 80 11.3 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





#70

Phenanthrene

Concen: 11.45 ng

RT: 13.01 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampleId :

SB-62S

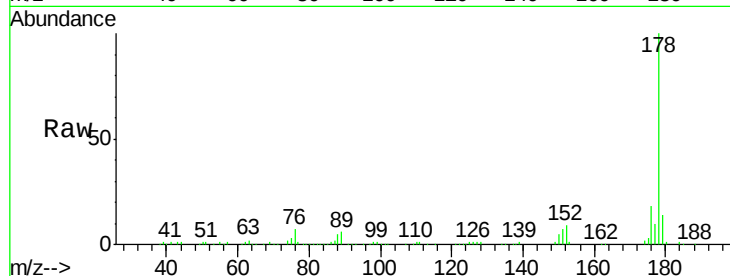
Tgt Ion:178 Resp: 190199

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

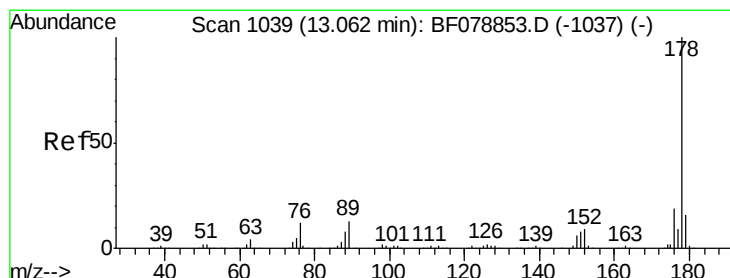
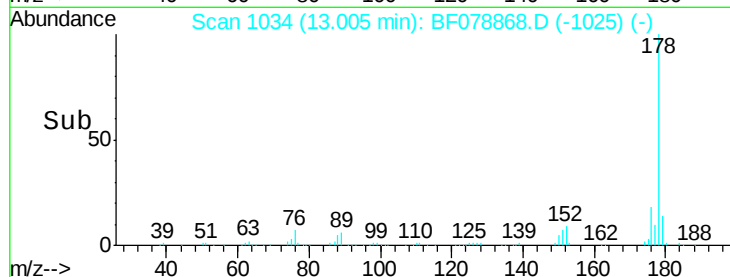
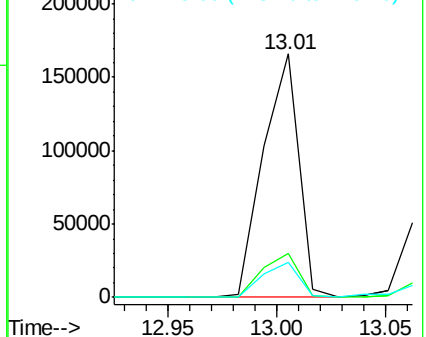
179 14.3 12.5 18.7



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



#71

Anthracene

Concen: 2.92 ng

RT: 13.06 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

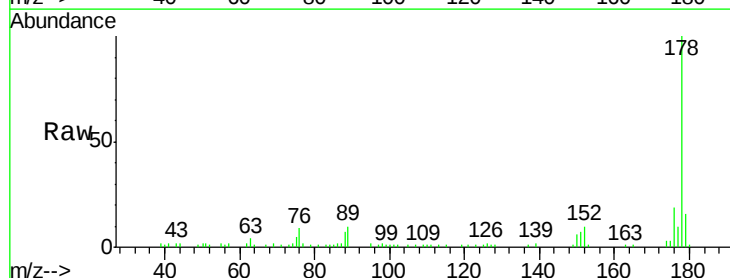
Tgt Ion:178 Resp: 47575

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

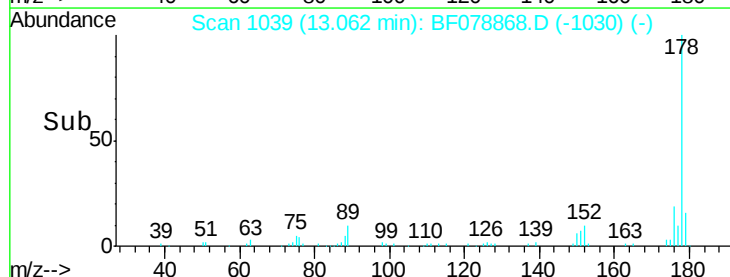
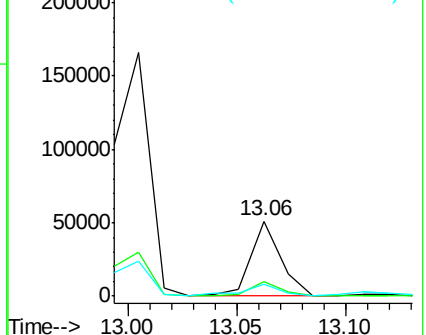
179 15.5 12.7 19.1

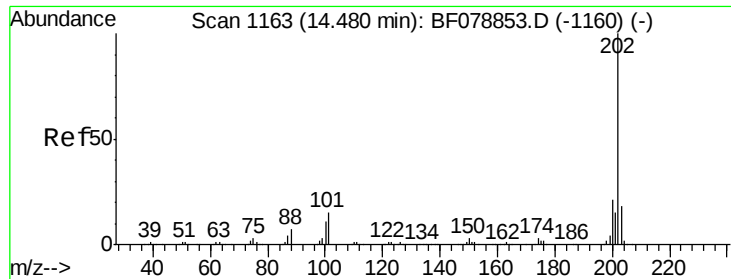


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.49 ng

RT: 14.48 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampled :

SB-62S

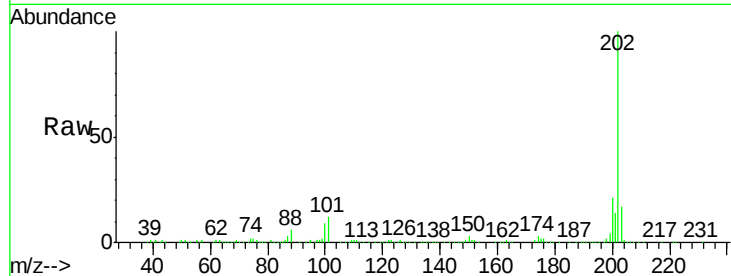
Tgt Ion:202 Resp: 354793

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.6

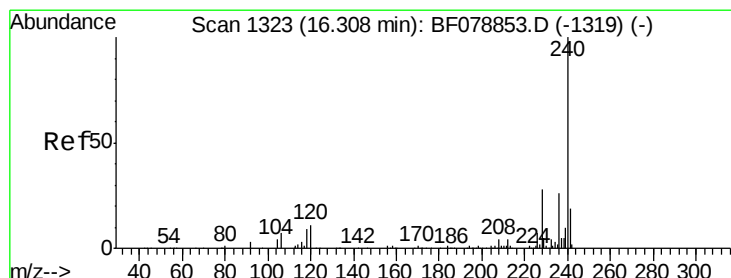
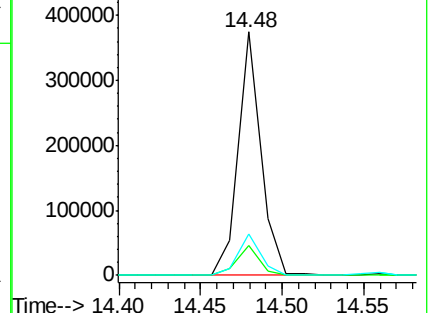
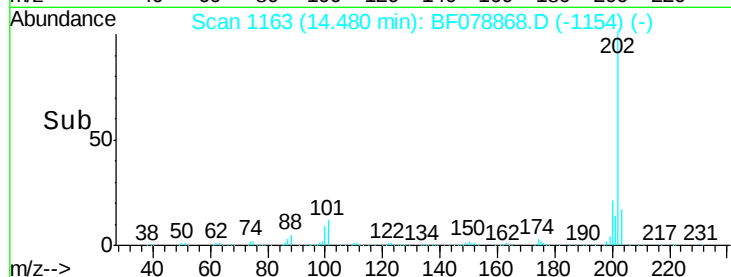
203 17.1 0.0 38.4



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: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

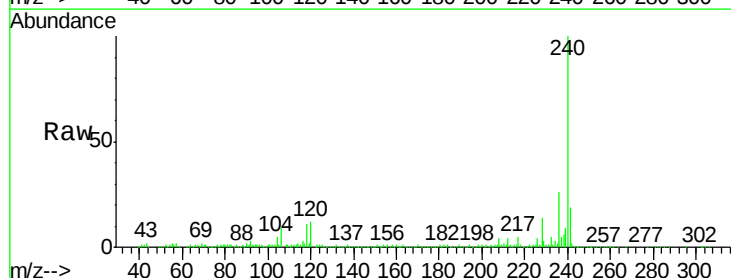
Tgt Ion:240 Resp: 305068

Ion Ratio Lower Upper

240 100

120 12.3 9.7 14.5

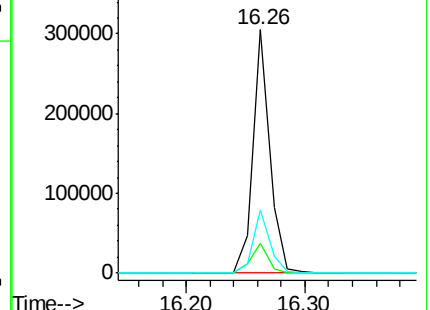
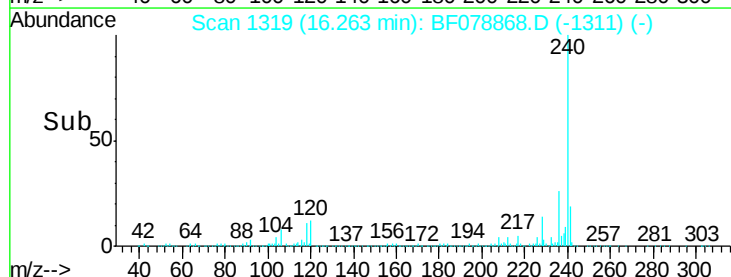
236 26.1 20.2 30.4

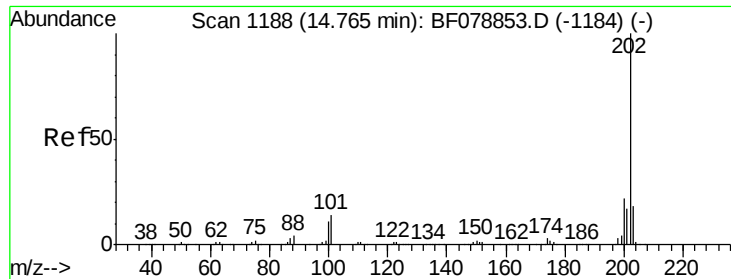


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

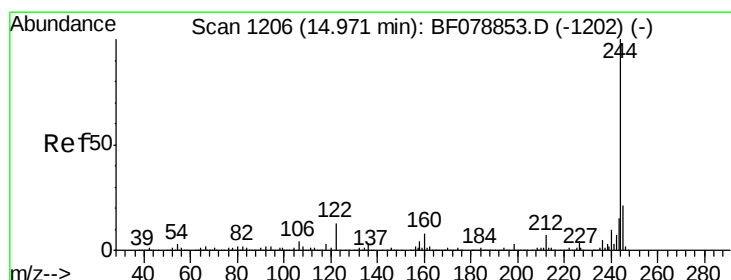
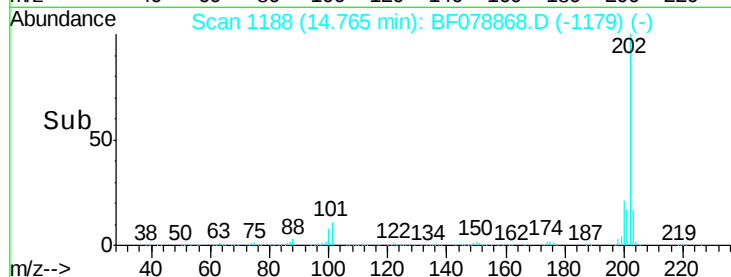
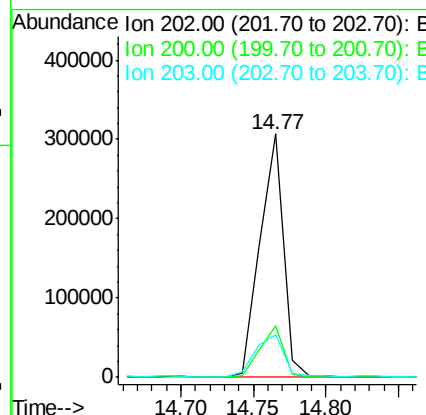
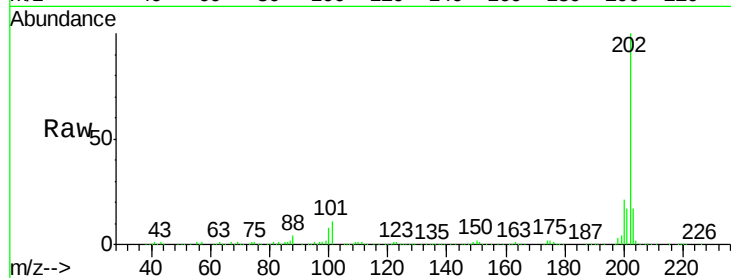




#77
 Pyrene
 Concen: 19.63 ng
 RT: 14.77 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

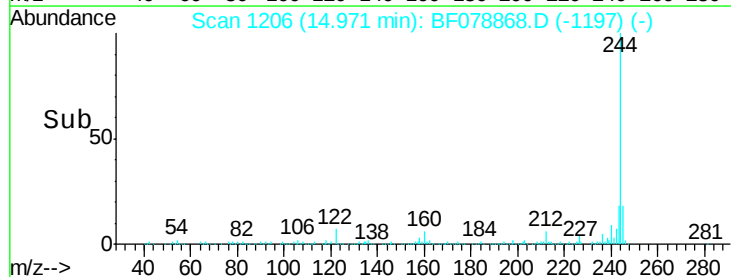
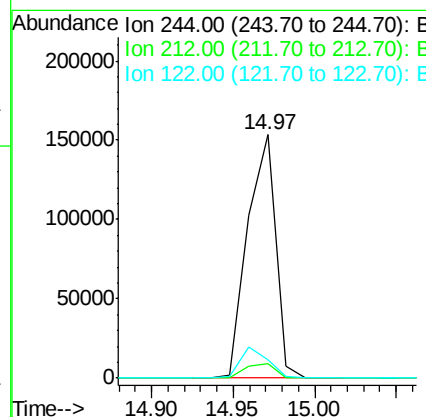
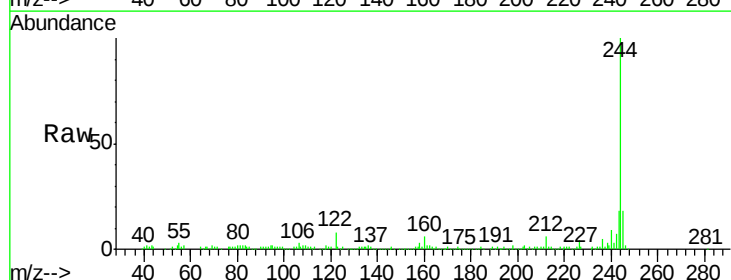
Instrument :
 BNA_F
 ClientSampleId :
 SB-62S

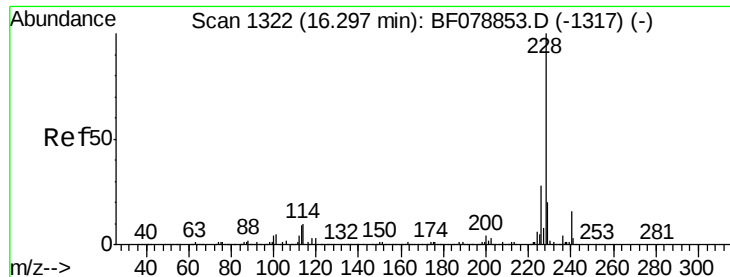
Tgt Ion: 202 Resp: 345011
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.5 26.3
 203 17.4 13.9 20.9



#78
 Terphenyl-d14
 Concen: 14.36 ng
 RT: 14.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Tgt Ion: 244 Resp: 183042
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 7.7 10.3 15.5#





#80

Benzo(a)anthracene

Concen: 11.10 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Instrument :

BNA_F

ClientSampleId :

SB-62S

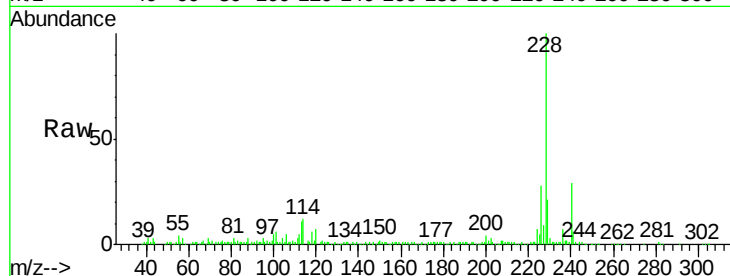
Tgt Ion:228 Resp: 185377

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

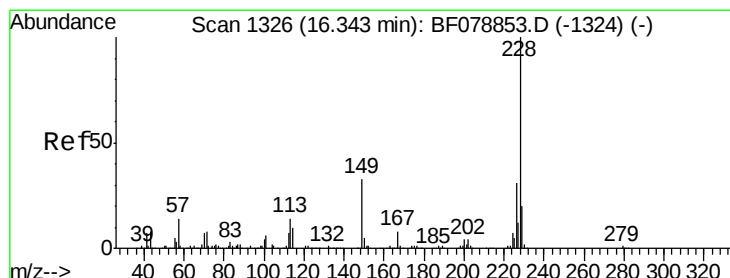
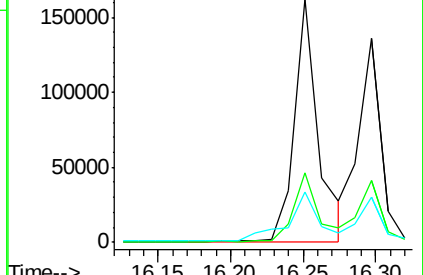
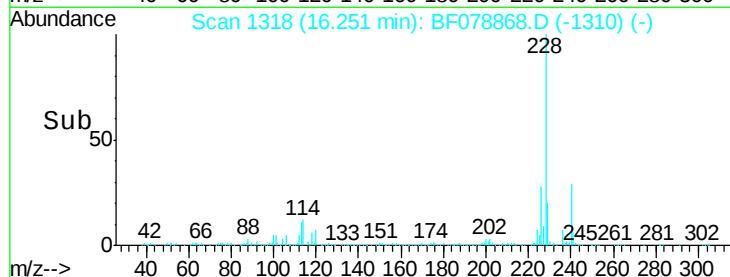
229 20.7 15.9 23.9



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: 8.86 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

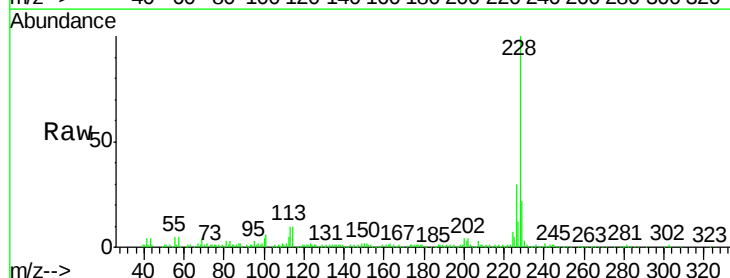
Tgt Ion:228 Resp: 142370

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

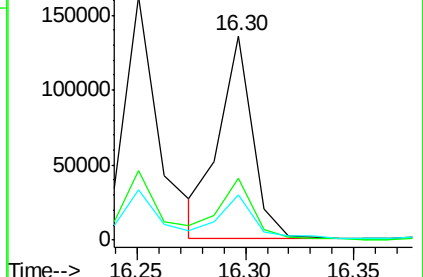
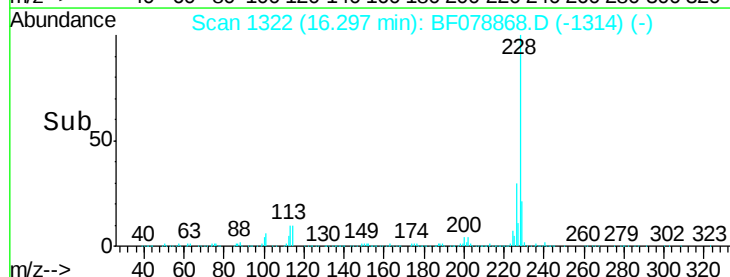
229 21.9 16.0 24.0

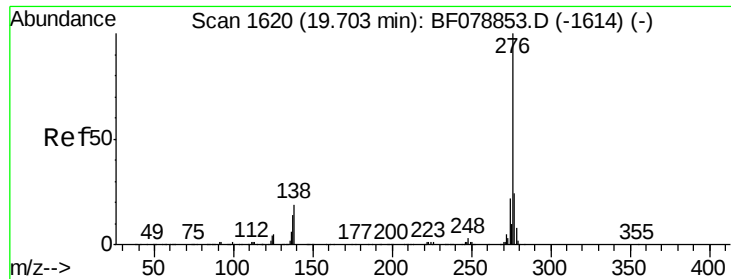


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

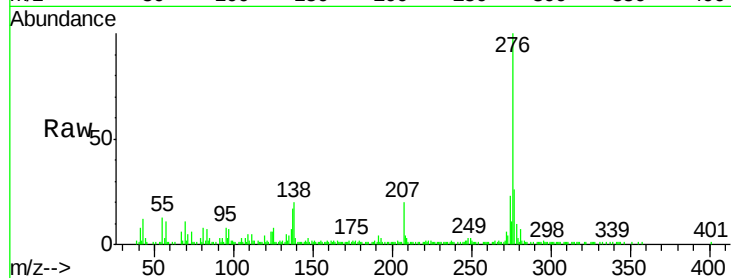




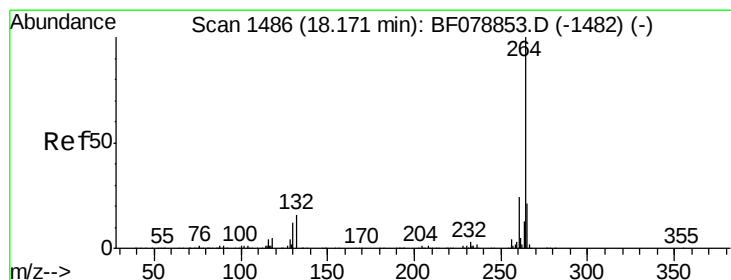
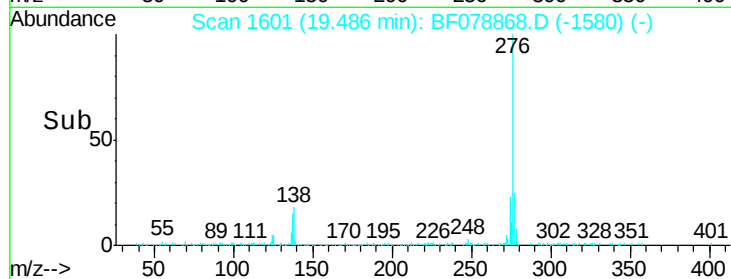
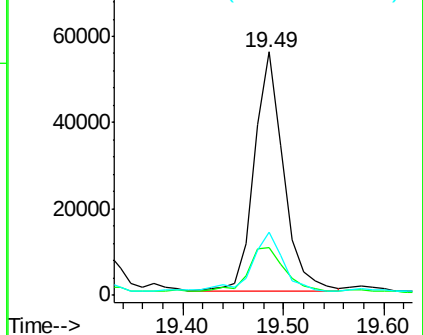
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.46 ng
 RT: 19.49 min Scan# 1601
 Delta R.T. -0.06 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-62S

Tgt Ion: 276 Resp: 111706
 Ion Ratio Lower Upper
 276 100
 138 23.9 0.0 0.0#
 277 28.7 0.0 0.0#

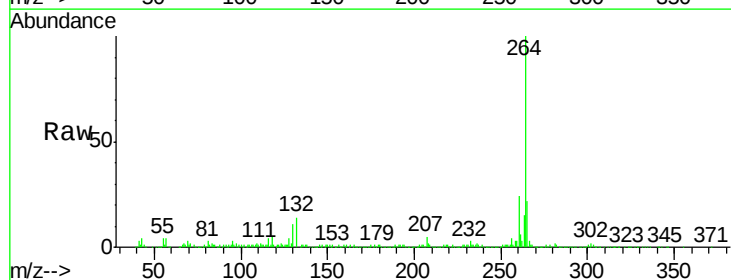


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

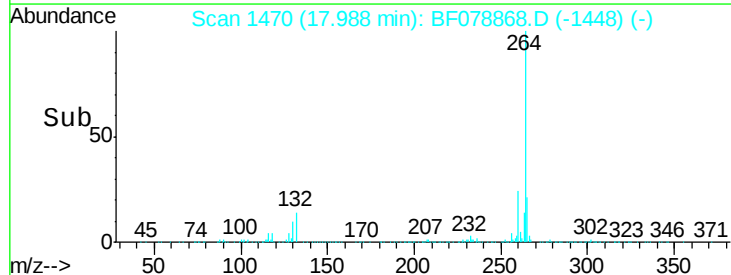
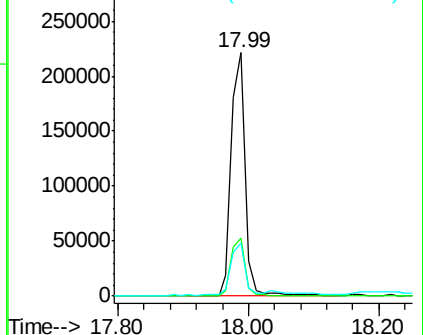


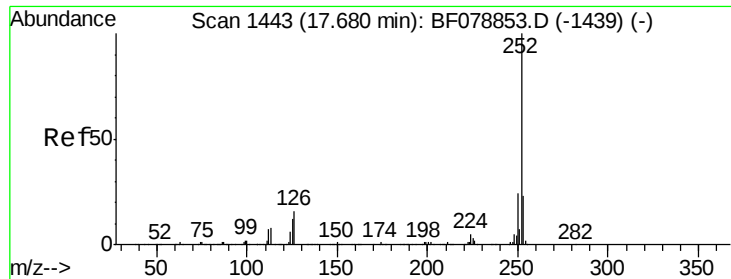
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. -0.05 min
 Lab File: BF078868.D
 Acq: 1 May 2015 1:07

Tgt Ion: 264 Resp: 322273
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.7 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

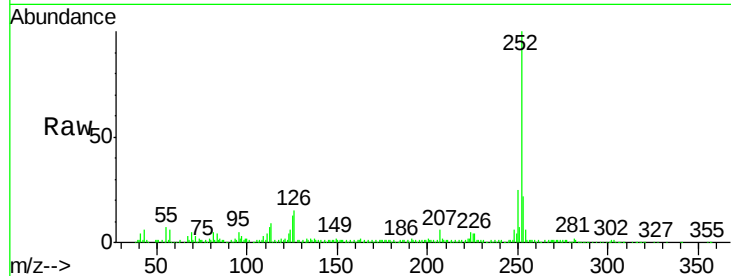




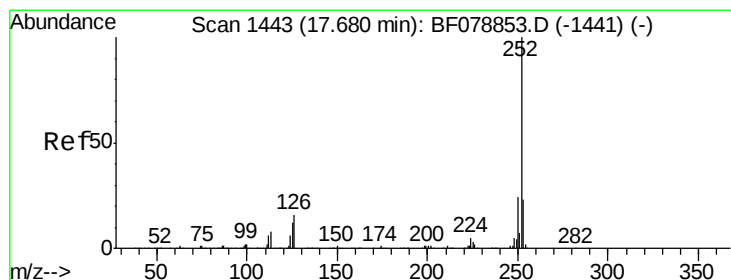
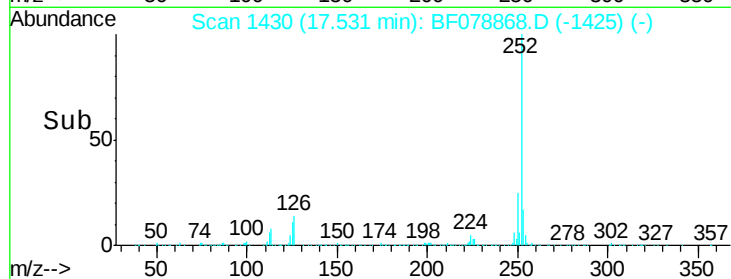
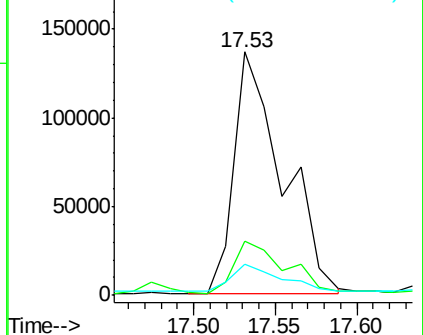
#87
Benzo(b)fluoranthene
Concen: 16.09 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.05 min
Lab File: BF078868.D
Acq: 1 May 2015 1:07

Instrument :
BNA_F
ClientSampleId :
SB-62S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	13.0	9.5	14.3

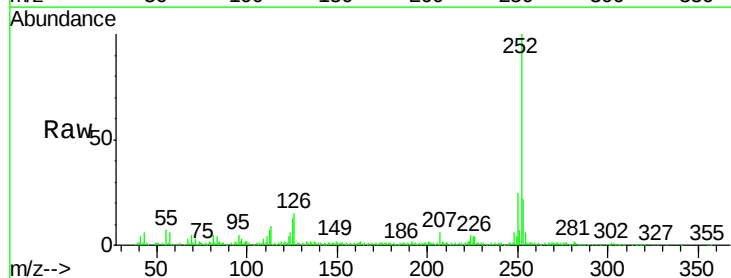


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

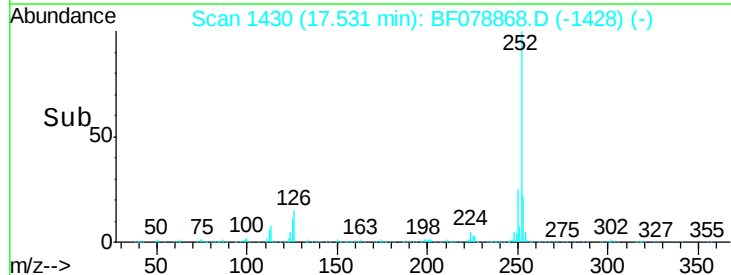
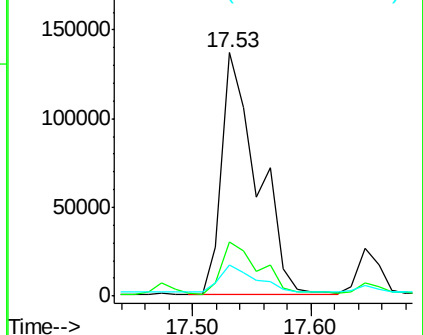


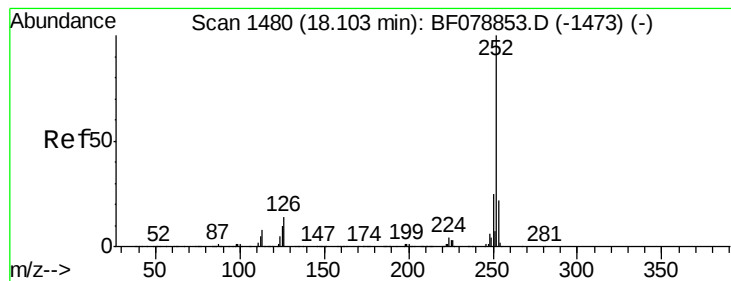
#88
Benzo(k)fluoranthene
Concen: 16.79 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.08 min
Lab File: BF078868.D
Acq: 1 May 2015 1:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.0	10.0	15.0



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: 9.84 ng

RT: 17.92 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

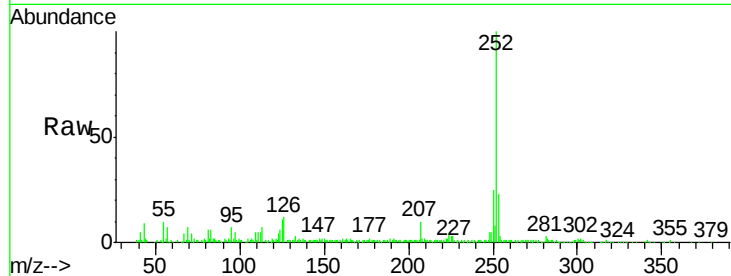
Instrument :

BNA_F

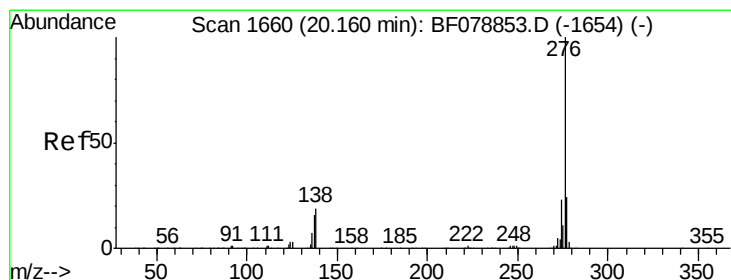
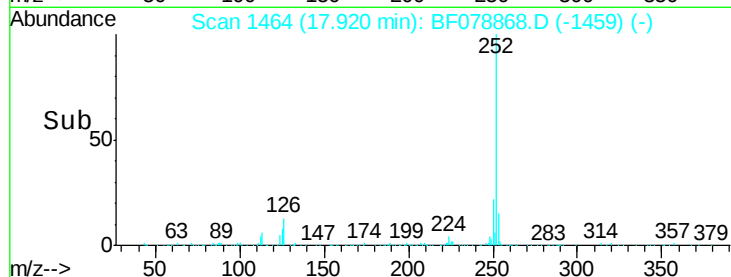
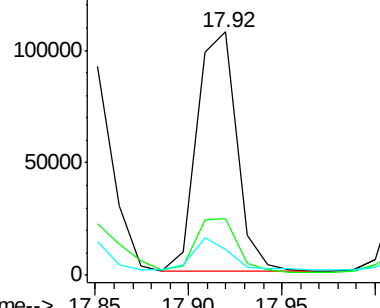
ClientSampleId :

SB-62S

Tgt Ion:	252	Resp:	159892
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	10.6	7.0	10.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.43 ng

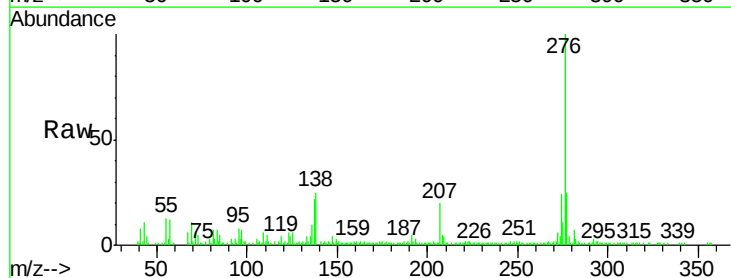
RT: 19.93 min Scan# 1640

Delta R.T. -0.07 min

Lab File: BF078868.D

Acq: 1 May 2015 1:07

Tgt Ion:	276	Resp:	111331
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	28.0
138	24.6	17.4	26.0



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

