

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
 Data File : BF078947.D
 Acq On : 5 May 2015 18:25
 Operator : TP/IZ
 Sample : G2044-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Quant Time: May 06 01:14:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

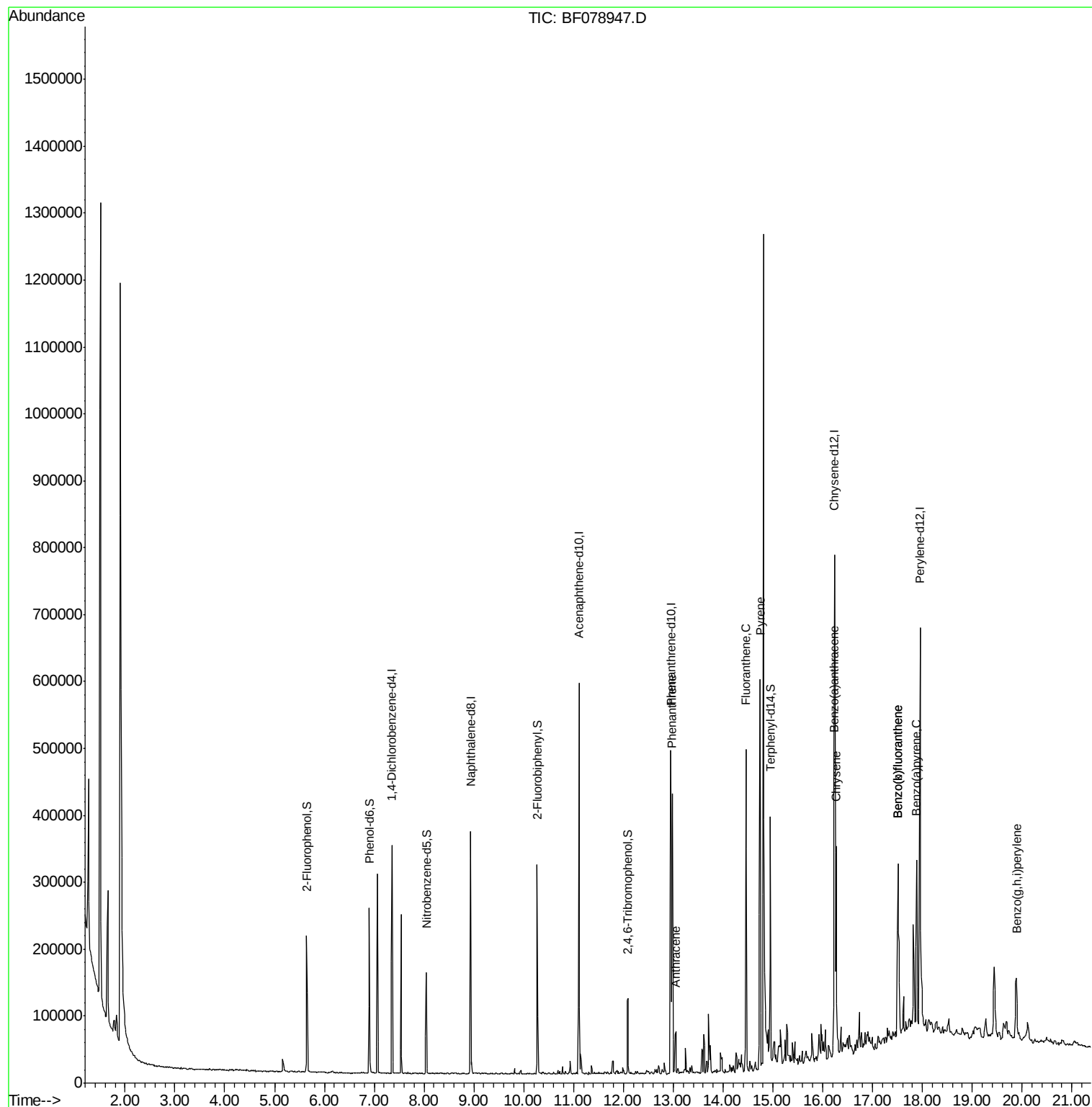
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	59637	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	236912	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	118294	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	222575	20.00	ng	-0.01
75) Chrysene-d12	16.24	240	246327	20.00	ng	-0.03
86) Perylene-d12	17.95	264	282399	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	69040	19.93	ng	0.00
7) Phenol-d6	6.90	99	94027	20.53	ng	0.00
23) Nitrobenzene-d5	8.04	82	50234	12.19	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	20085	15.69	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	103223	12.16	ng	-0.01
78) Terphenyl-d14	14.95	244	118684	11.54	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.98	178	165793	13.31	ng	98
71) Anthracene	13.05	178	37422	3.06	ng	97
74) Fluoranthene	14.46	202	260078	20.04	ng	99
77) Pyrene	14.74	202	248142	17.48	ng	98
80) Benzo(a)anthracene	16.23	228	135624	10.05	ng	98
82) Chrysene	16.27	228	108253	8.34	ng	97
87) Benzo(b)fluoranthene	17.51	252	181532	11.74	ng	97
88) Benzo(k)fluoranthene	17.51	252	210957	14.10	ng	98
89) Benzo(a)pyrene	17.89	252	119233	8.38	ng	# 96
91) Benzo(g,h,i)perylene	19.89	276	80434	5.31	ng	98

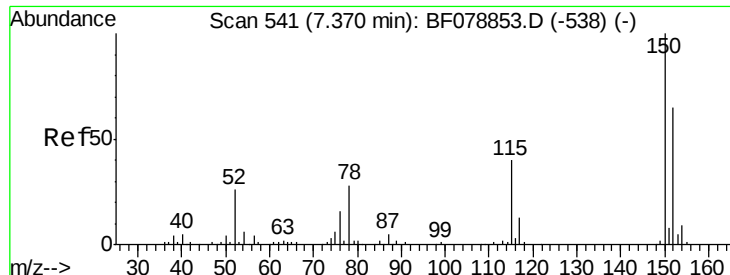
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

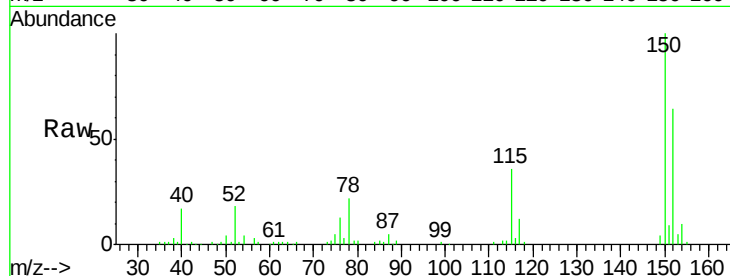
Tgt Ion:152 Resp: 59637

Ion Ratio Lower Upper

152 100

150 156.7 122.0 183.0

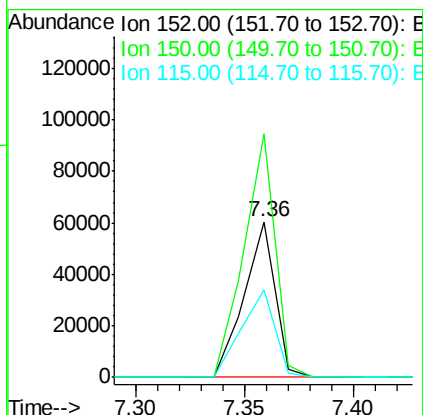
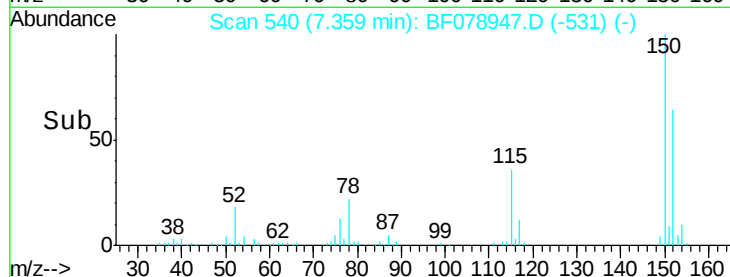
115 56.7 46.3 69.5



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: 19.93 ng

RT: 5.64 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

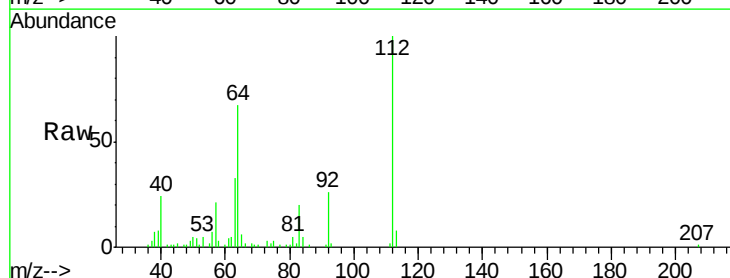
Tgt Ion:112 Resp: 69040

Ion Ratio Lower Upper

112 100

64 66.6 53.5 80.3

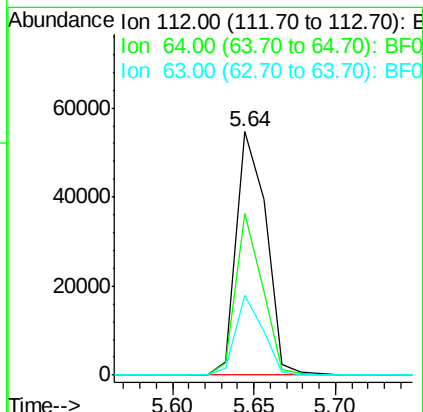
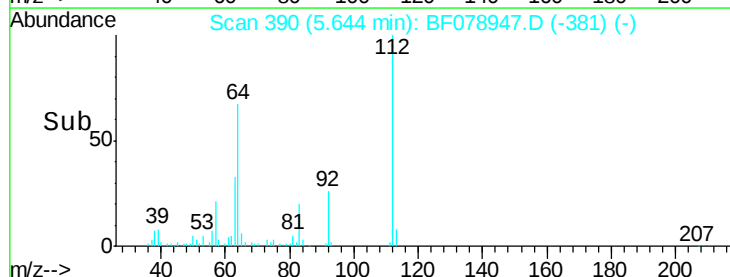
63 32.9 27.5 41.3



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: 20.53 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

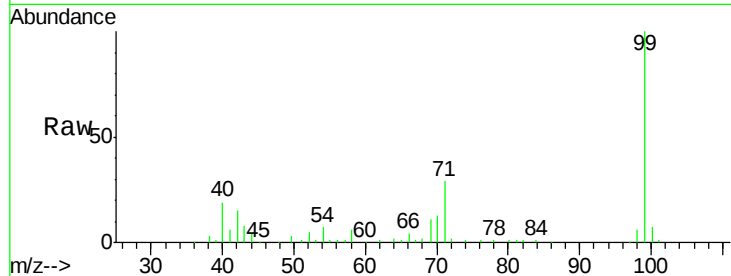
Tgt Ion: 99 Resp: 94027

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

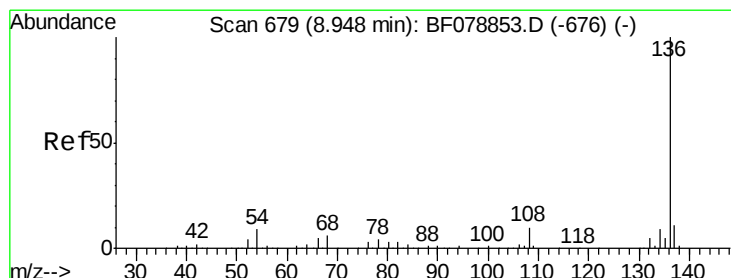
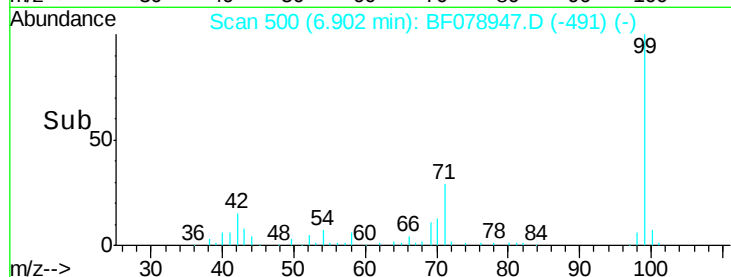
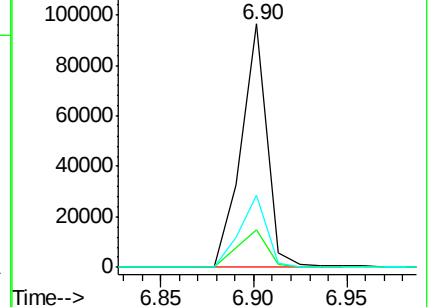
71 29.4 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.94 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Tgt Ion: 136 Resp: 236912

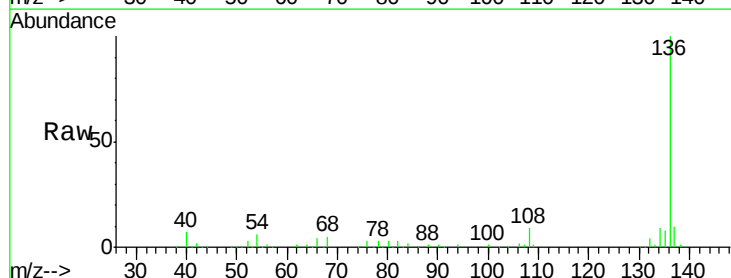
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.0 5.8 8.8

68 4.6 4.2 6.4

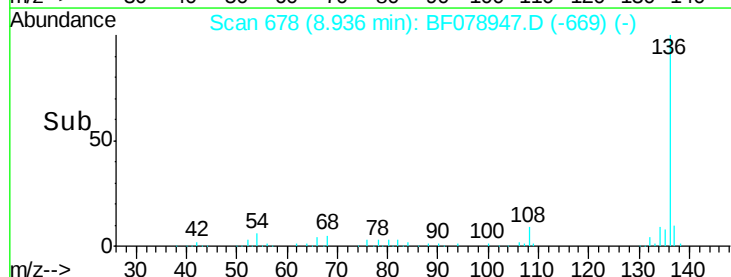
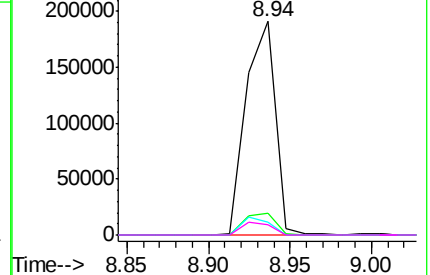


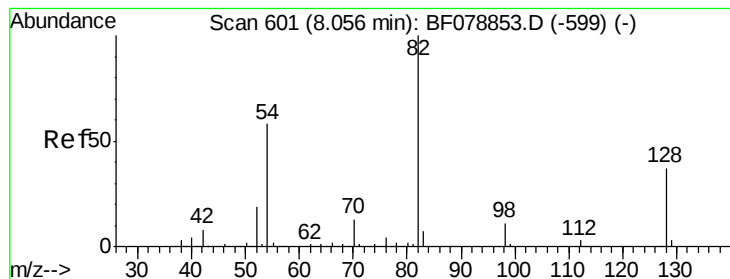
Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.19 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

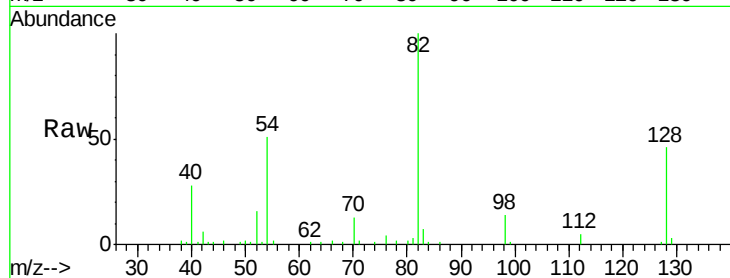
Tgt Ion: 82 Resp: 50234

Ion Ratio Lower Upper

82 100

128 45.7 30.0 45.0#

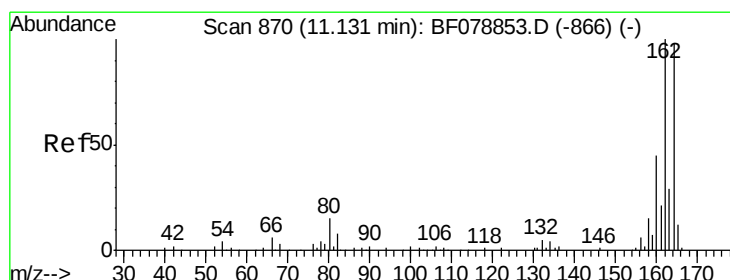
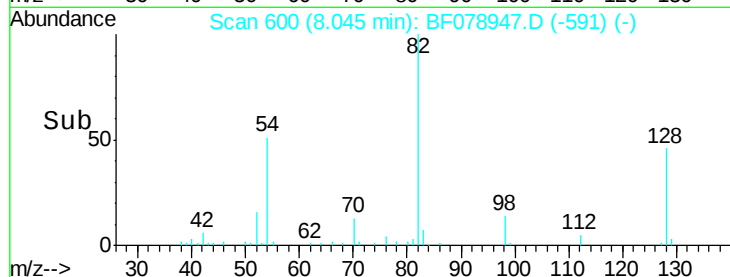
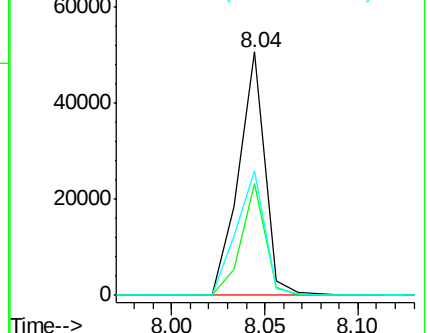
54 51.3 46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

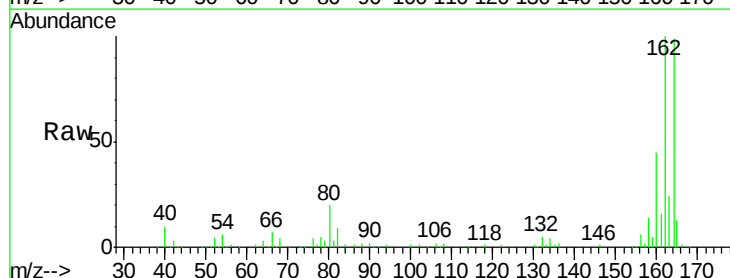
Tgt Ion: 164 Resp: 118294

Ion Ratio Lower Upper

164 100

162 100.7 82.7 124.1

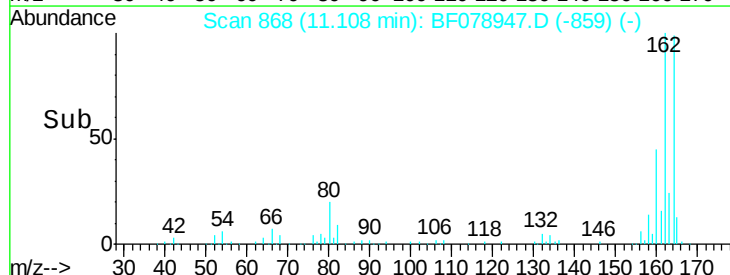
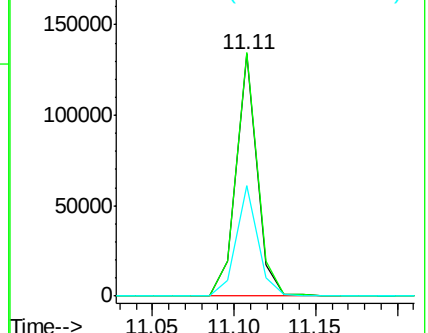
160 45.8 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

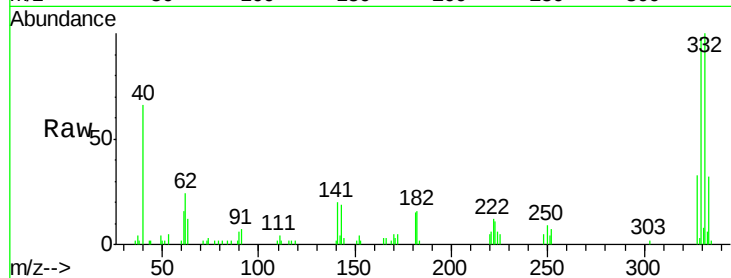




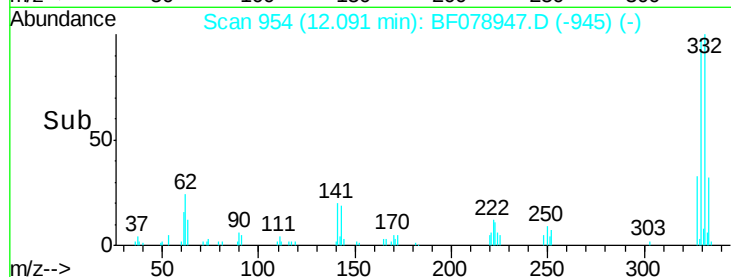
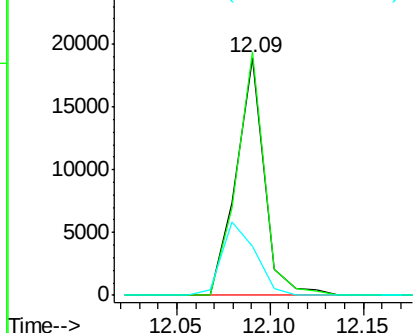
#41
 2,4,6-Tribromophenol
 Concen: 15.69 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Tgt Ion:330 Resp: 20085
 Ion Ratio Lower Upper
 330 100
 332 100.0 0.0 0.0#
 141 36.6 0.0 0.0#

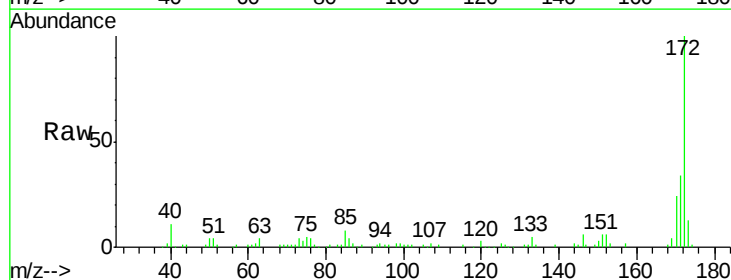


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

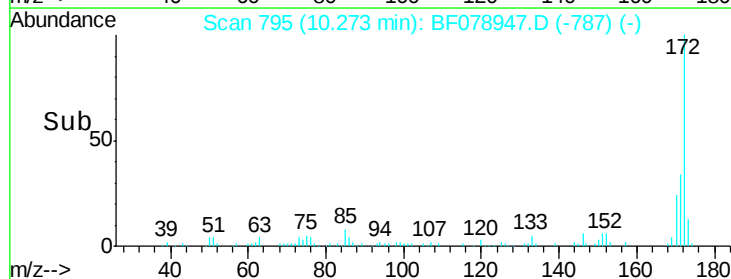
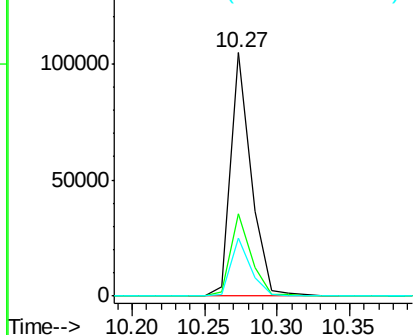


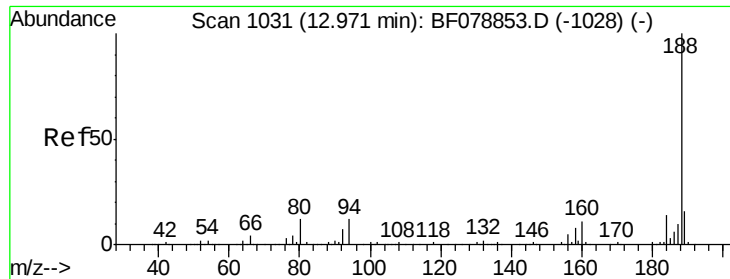
#44
 2-Fluorobiphenyl
 Concen: 12.16 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion:172 Resp: 103223
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.9 41.9
 170 24.1 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

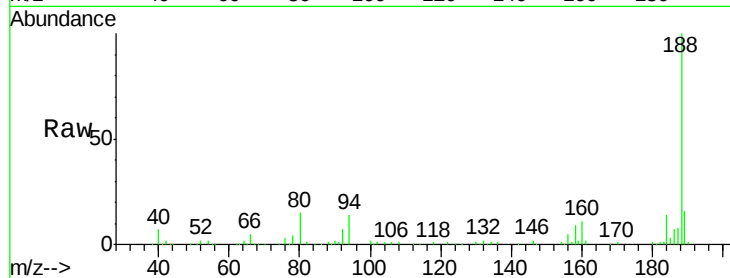




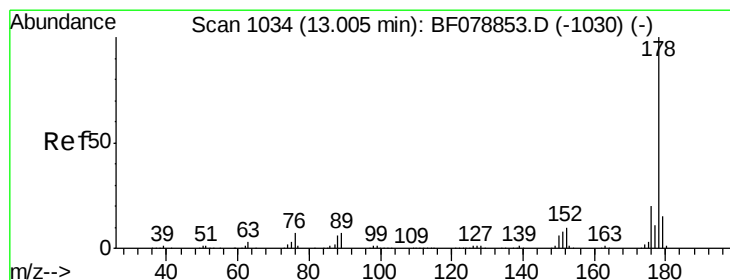
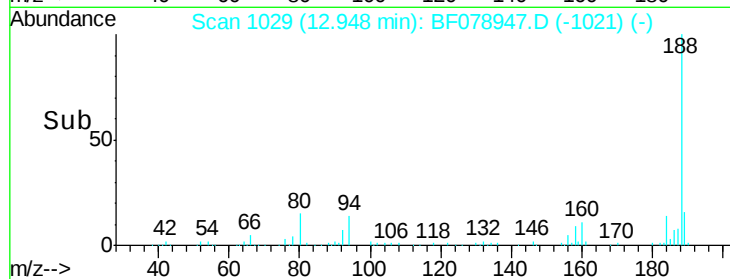
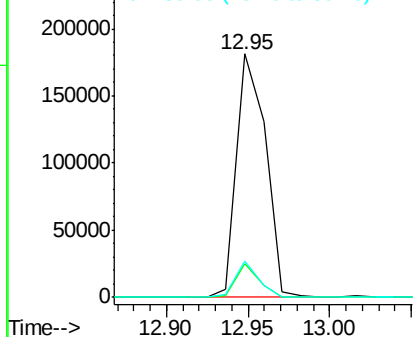
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
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SB-48S

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.8	8.2	12.2
80	14.7	8.9	13.3

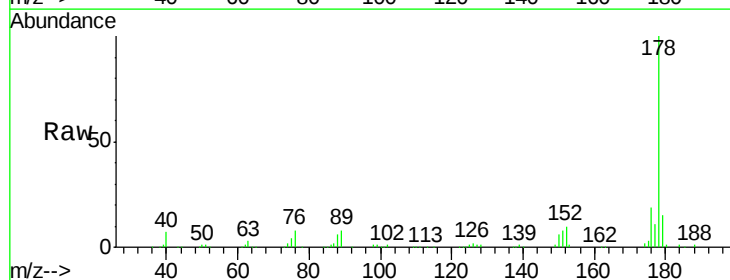


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

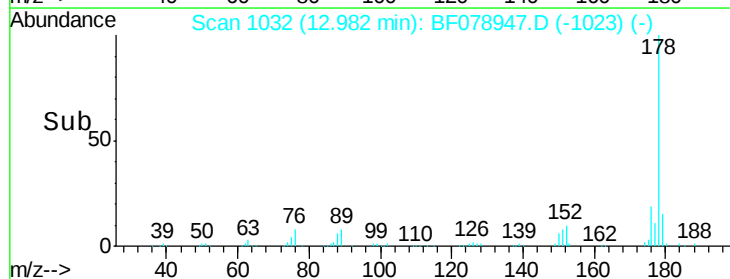
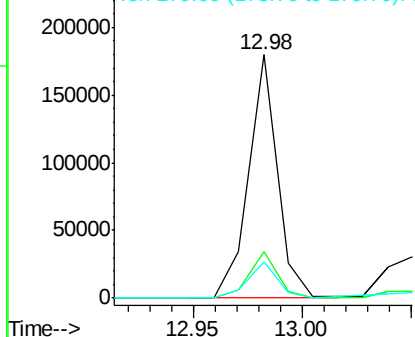


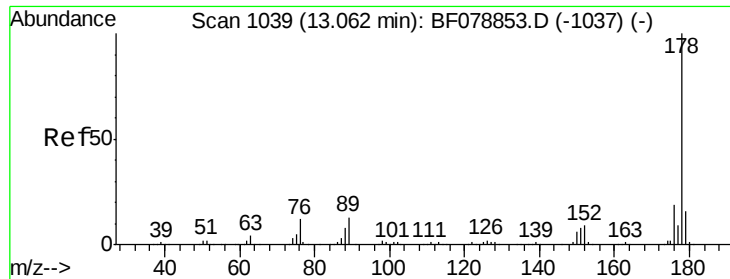
#70
Phenanthrene
Concen: 13.31 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	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: 3.06 ng

RT: 13.05 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

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ClientSampleId :

SB-48S

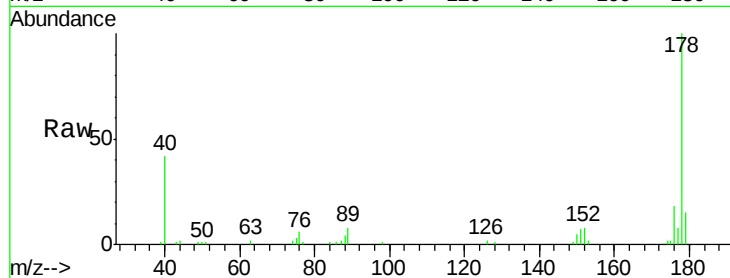
Tgt Ion:178 Resp: 37422

Ion Ratio Lower Upper

178 100

176 17.8 15.5 23.3

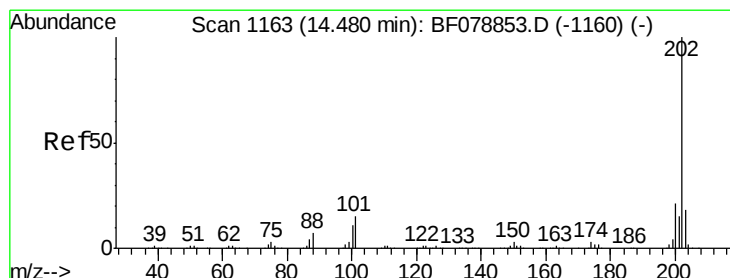
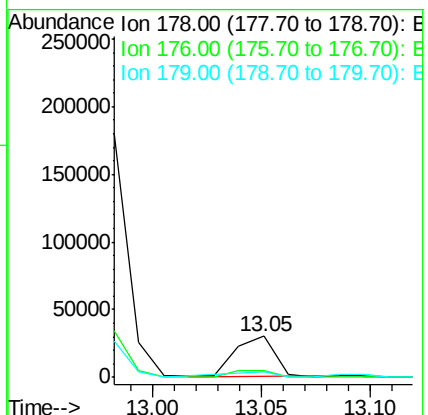
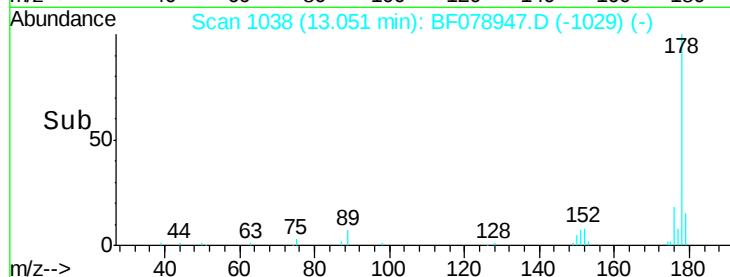
179 14.5 12.7 19.1



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: 20.04 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

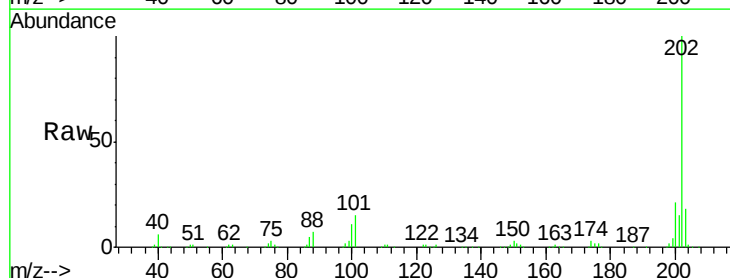
Tgt Ion:202 Resp: 260078

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.6

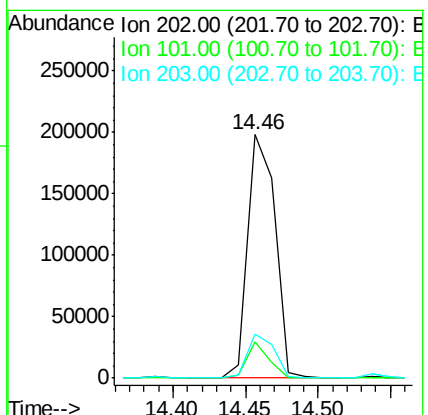
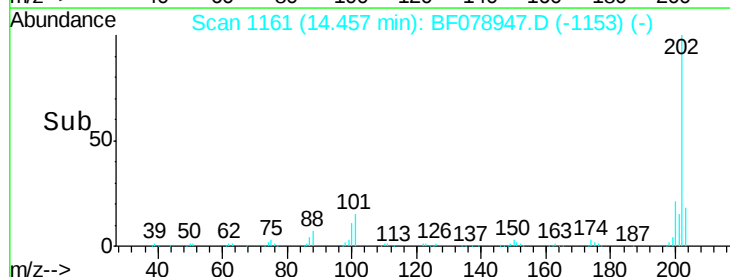
203 17.9 0.0 38.4

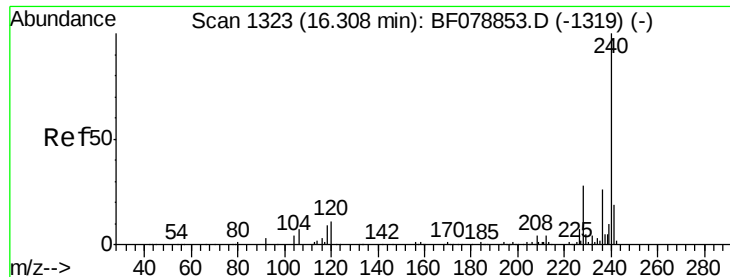


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.24 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BF078947.D

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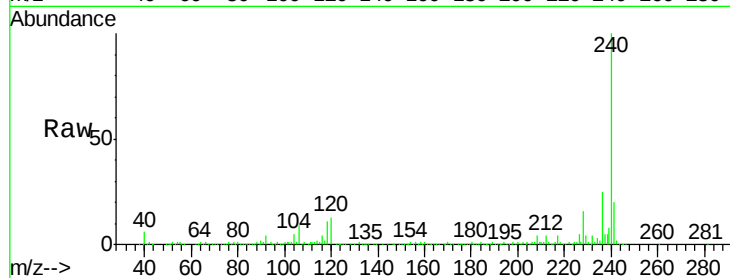
Tgt Ion:240 Resp: 246327

Ion Ratio Lower Upper

240 100

120 13.0 9.7 14.5

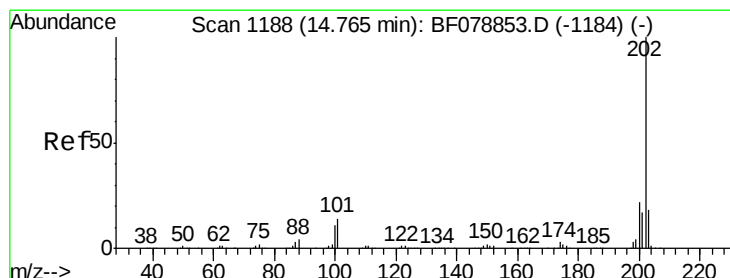
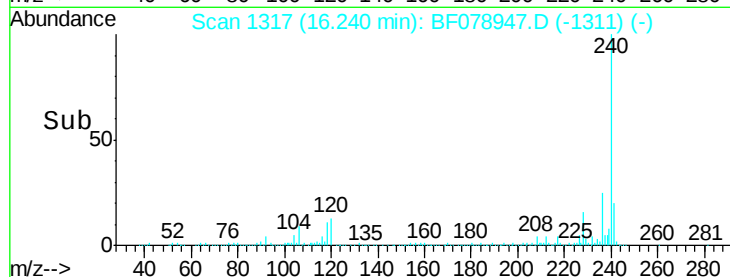
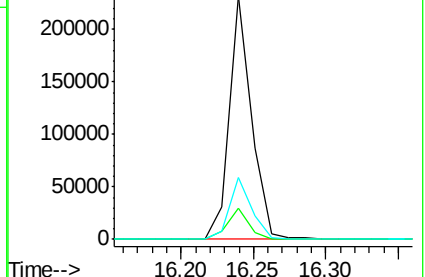
236 25.5 20.2 30.4



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: 17.48 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

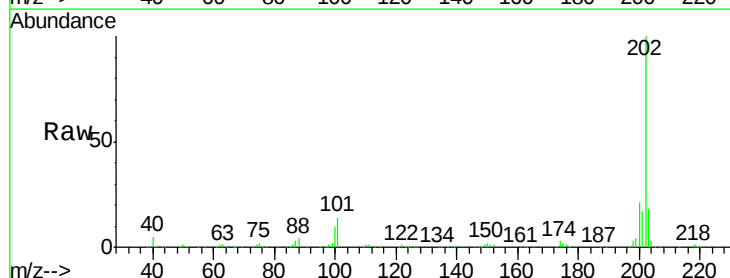
Tgt Ion:202 Resp: 248142

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

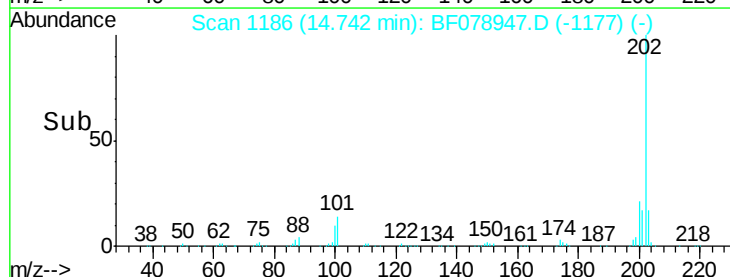
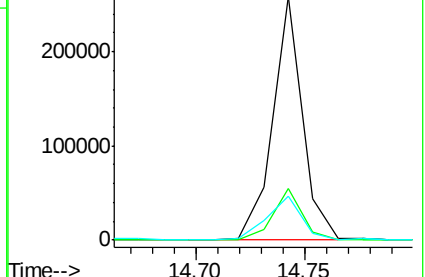
203 18.0 13.9 20.9

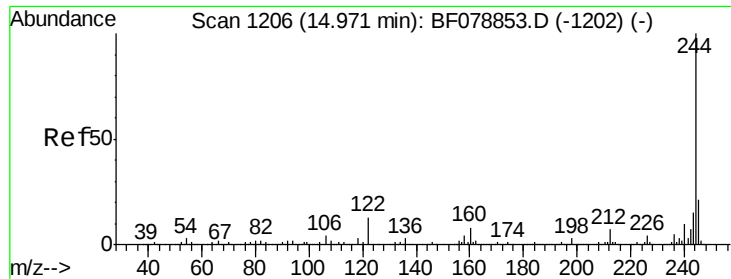


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

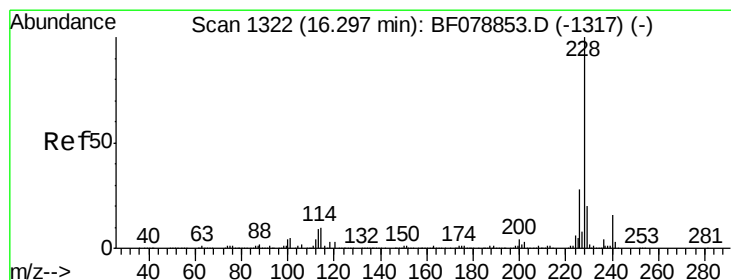
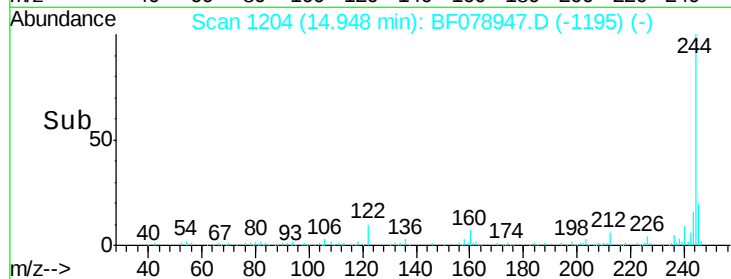
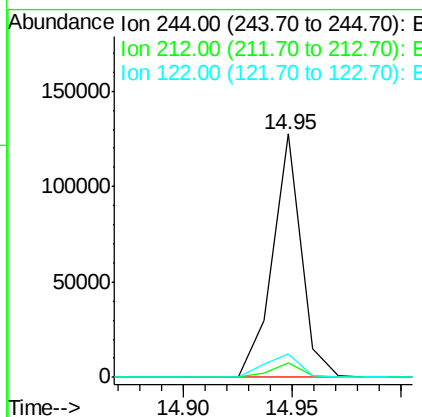
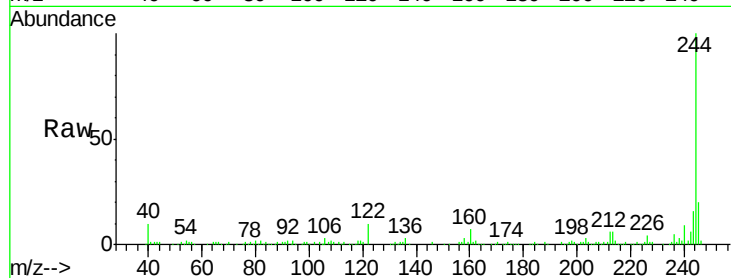




#78
 Terphenyl-d14
 Concen: 11.54 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

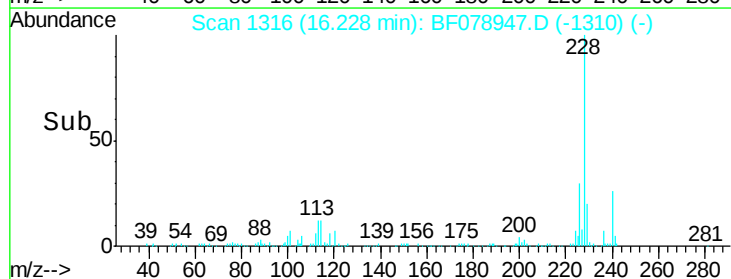
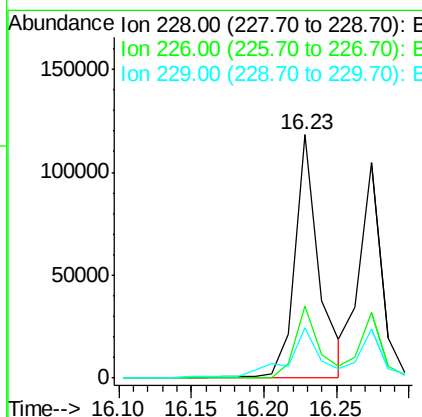
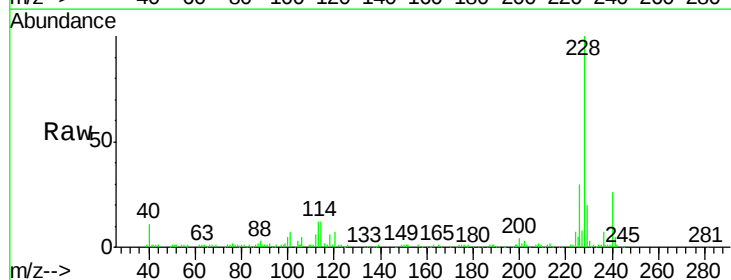
Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

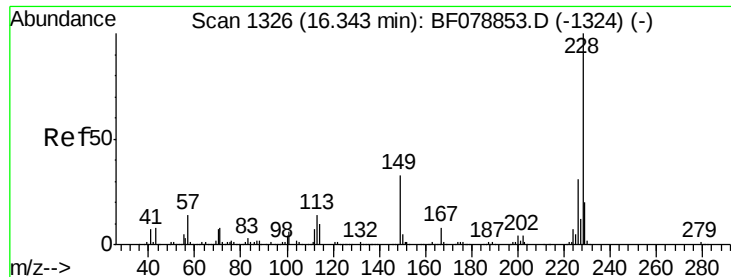
Tgt Ion:244 Resp: 118684
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 9.9 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 10.05 ng
 RT: 16.23 min Scan# 1316
 Delta R.T. -0.03 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion:228 Resp: 135624
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 20.4 15.9 23.9





#82

Chrysene

Concen: 8.34 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

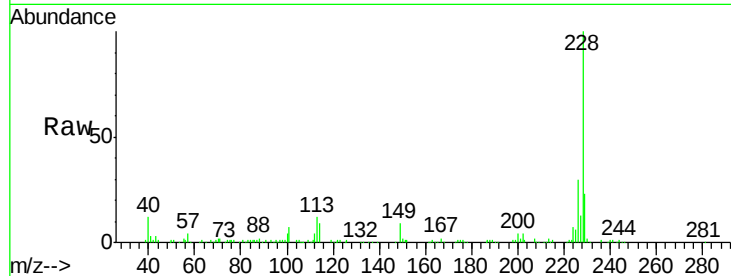
Tgt Ion:228 Resp: 108253

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

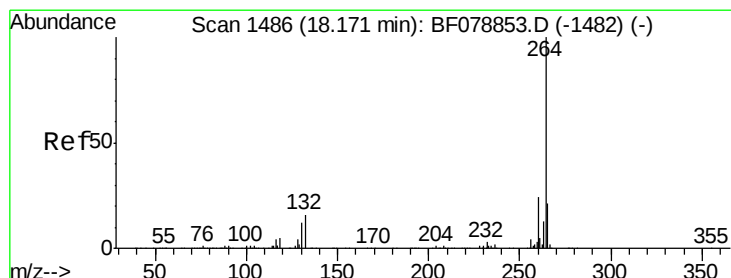
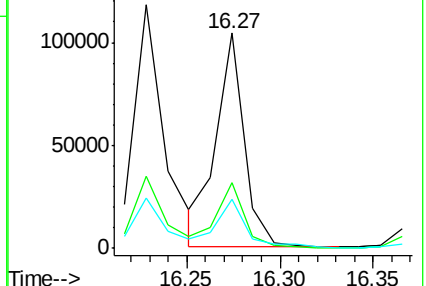
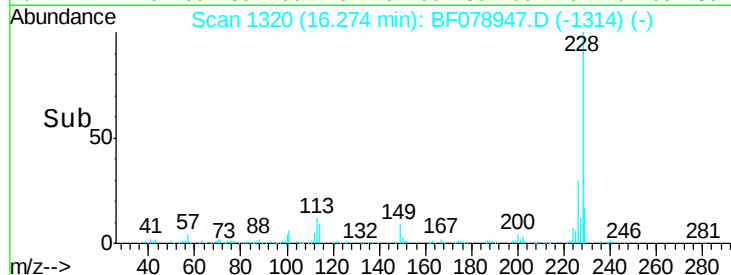
229 22.9 16.0 24.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.95 min Scan# 1467

Delta R.T. -0.14 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

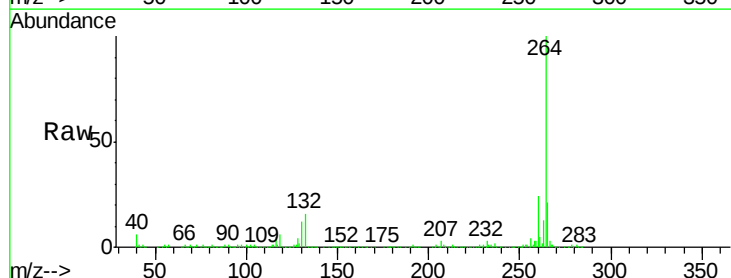
Tgt Ion:264 Resp: 282399

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

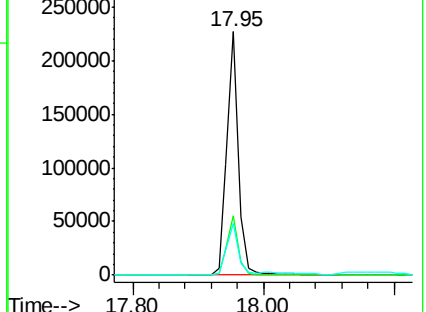
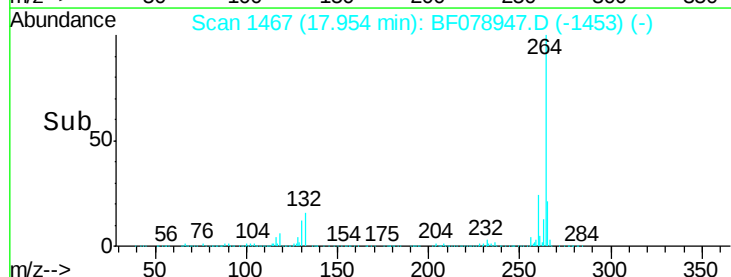
265 21.4 18.3 27.5

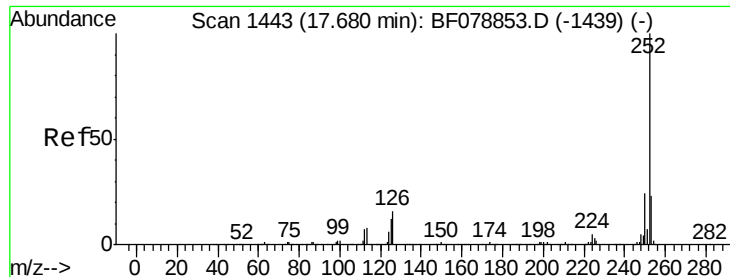


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.74 ng

RT: 17.51 min Scan# 1428

Delta R.T. -0.10 min

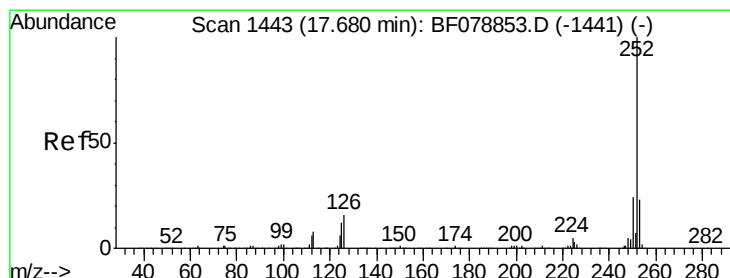
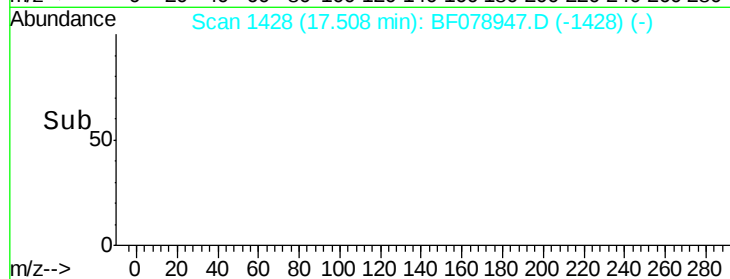
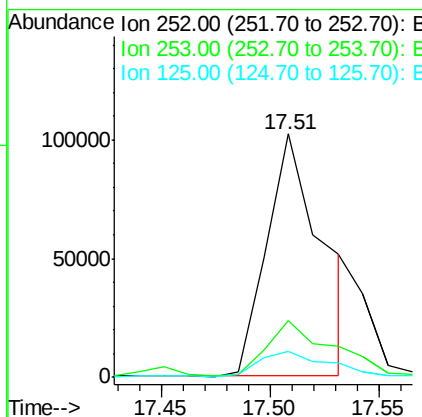
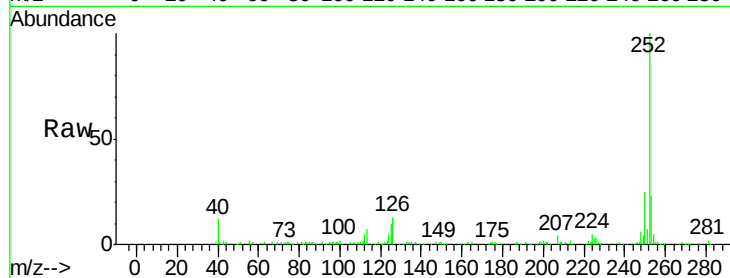
Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampled :
SB-48S

Tgt Ion:252 Resp: 181532

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.5	9.5	14.3



#88

Benzo(k)fluoranthene

Concen: 14.10 ng

RT: 17.51 min Scan# 1428

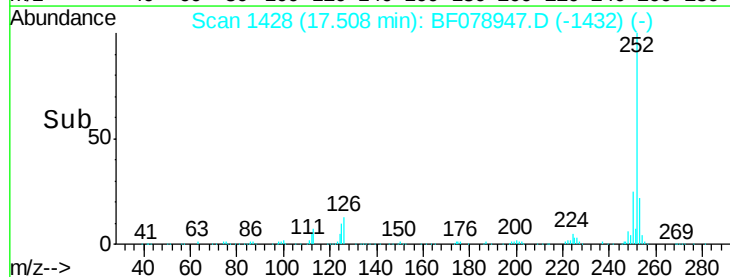
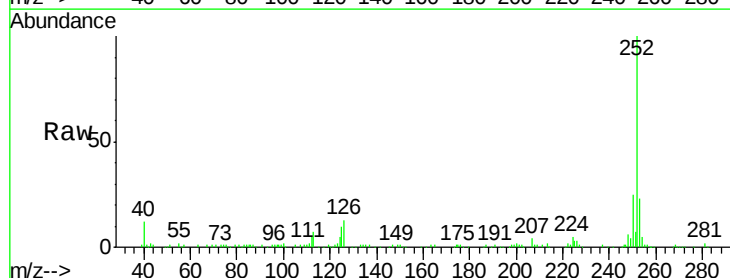
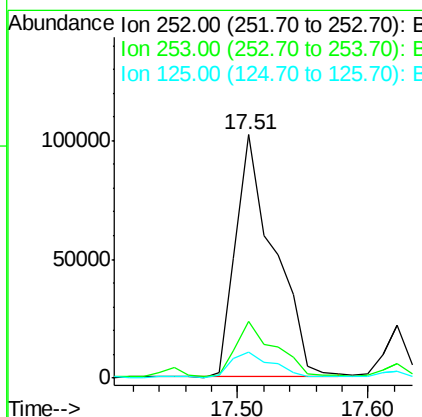
Delta R.T. -0.15 min

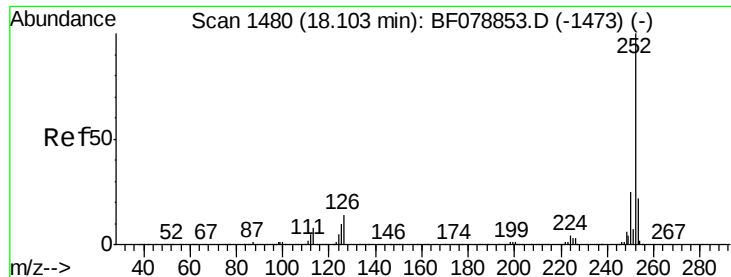
Lab File: BF078947.D

Acq: 5 May 2015 18:25

Tgt Ion:252 Resp: 210957

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.5	10.0	15.0





#89

Benzo(a)pyrene

Concen: 8.38 ng

RT: 17.89 min Scan# 1461

Delta R.T. -0.14 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

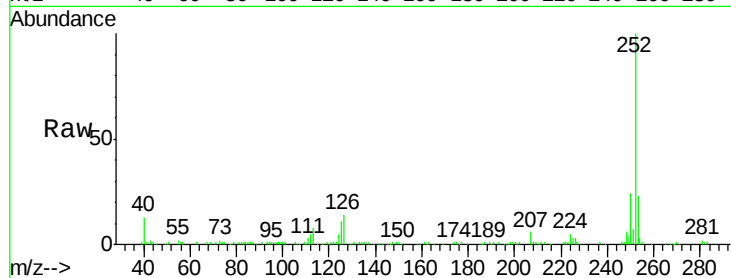
Tgt Ion:252 Resp: 119233

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

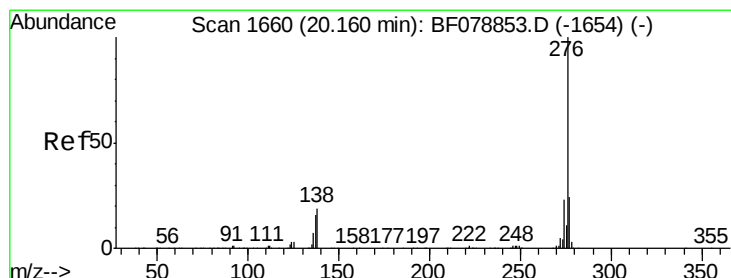
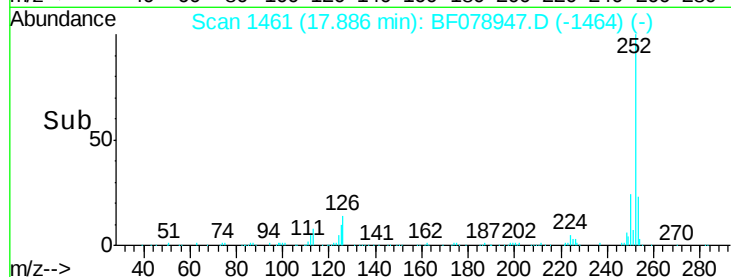
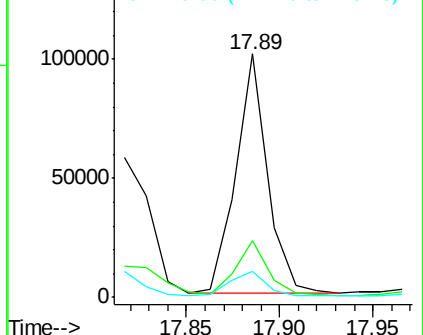
125 10.9 7.0 10.6#



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: 5.31 ng

RT: 19.89 min Scan# 1636

Delta R.T. -0.17 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

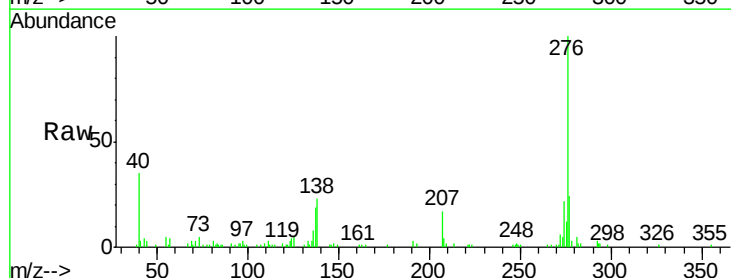
Tgt Ion:276 Resp: 80434

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 22.7 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

