

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078963.D
 Acq On : 6 May 2015 16:34
 Operator : TP/IZ
 Sample : G2116-02 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-59AS

Quant Time: May 07 01:09:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

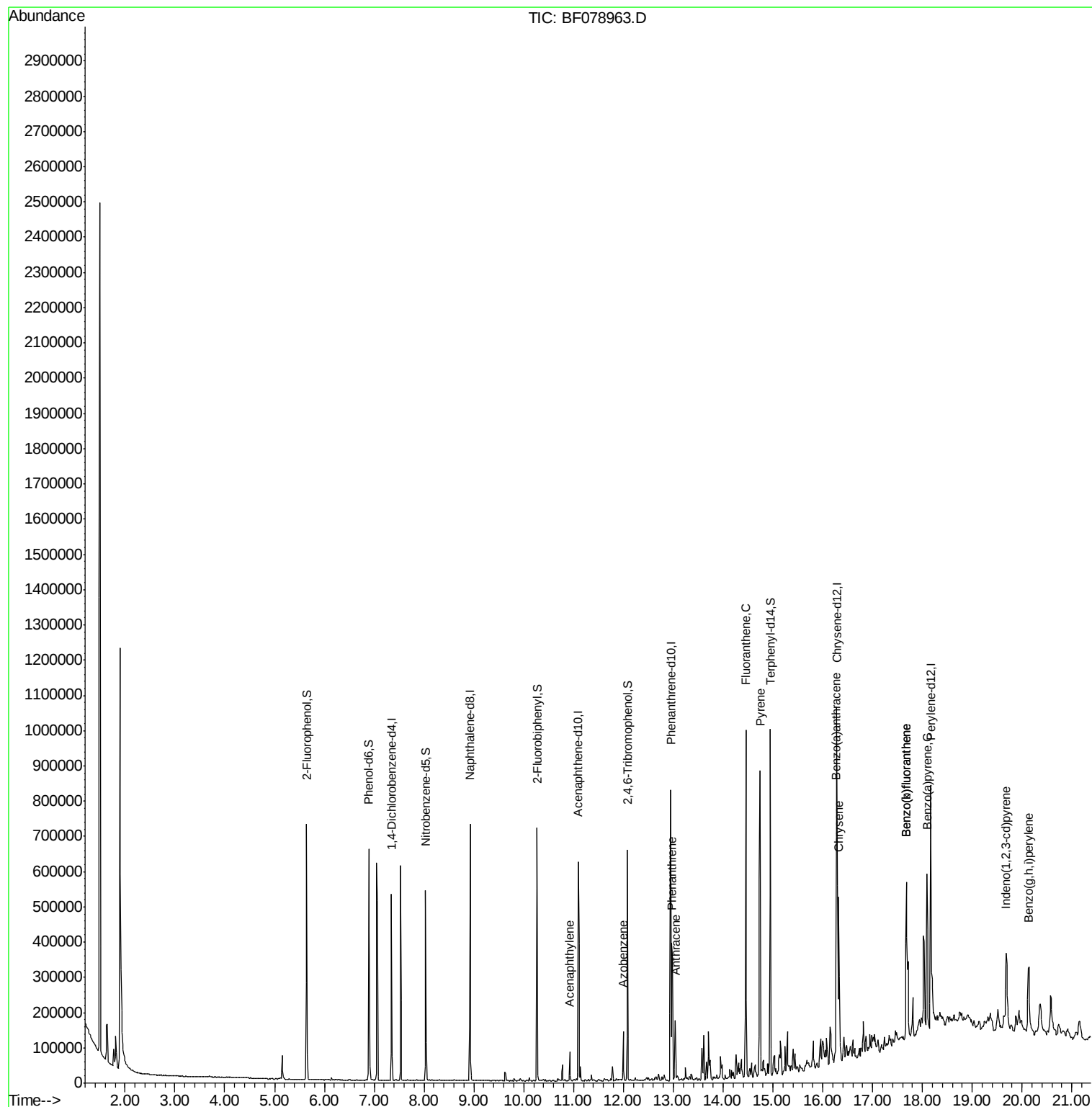
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	77594	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	318112	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	152844	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	306969	20.00	ng	0.00
75) Chrysene-d12	16.29	240	335309	20.00	ng	-0.02
86) Perylene-d12	18.17	264	364710	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	216389	48.00	ng	0.01
7) Phenol-d6	6.89	99	288470	48.41	ng	0.00
23) Nitrobenzene-d5	8.03	82	163043	29.46	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	79142	47.86	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	307116	27.99	ng	0.00
78) Terphenyl-d14	14.95	244	363611	25.96	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.92	152	38844	2.50	ng	98
62) Azobenzene	12.00	77	26421	2.41	ng	# 1
70) Phenanthrene	12.98	178	223549	13.02	ng	98
71) Anthracene	13.04	178	61163	3.63	ng	97
74) Fluoranthene	14.46	202	408686	22.84	ng	97
77) Pyrene	14.74	202	425038	22.00	ng	99
80) Benzo(a)anthracene	16.27	228	240222	13.08	ng	# 92
82) Chrysene	16.32	228	199609	11.30	ng	97
85) Indeno(1,2,3-cd)pyrene	19.68	276	165755	7.37	ng	# 100
87) Benzo(b)fluoranthene	17.68	252	392979	19.69	ng	98
88) Benzo(k)fluoranthene	17.68	252	396766	20.53	ng	99
89) Benzo(a)pyrene	18.09	252	224558	12.22	ng	# 94
91) Benzo(g,h,i)perylene	20.14	276	159686	8.16	ng	99

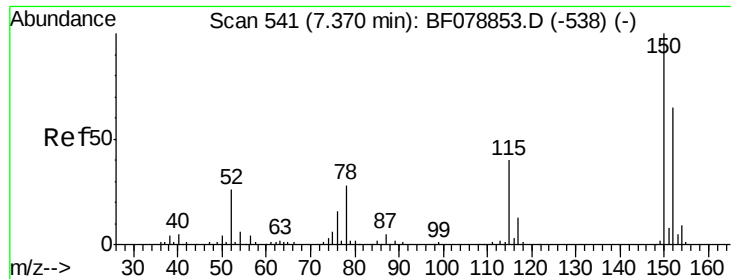
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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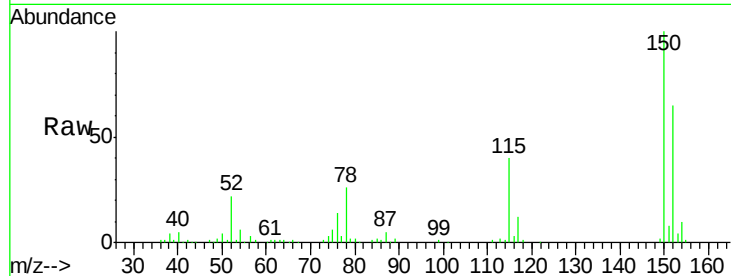


#1

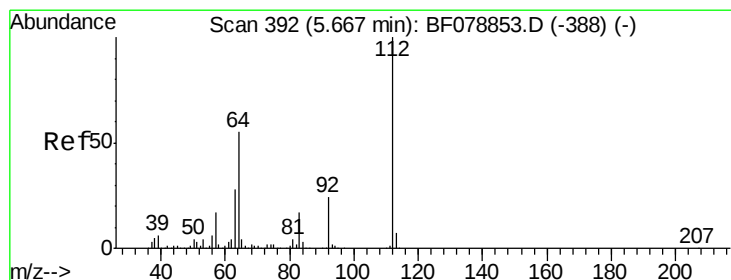
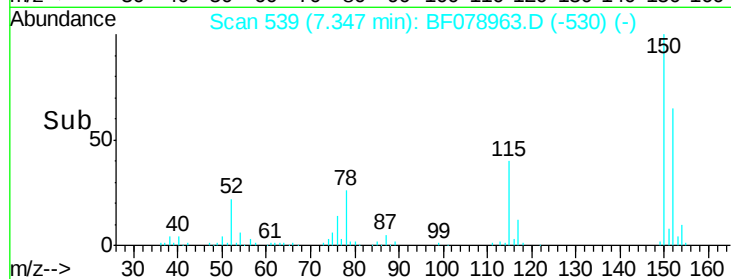
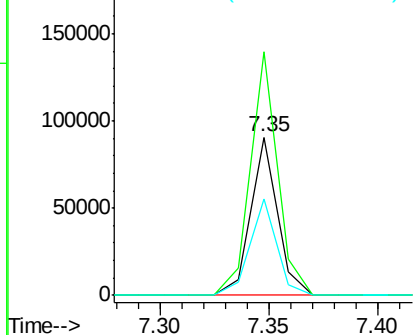
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-59AS

Tgt Ion:152 Resp: 77594
Ion Ratio Lower Upper
152 100
150 154.0 122.0 183.0
115 60.9 46.3 69.5



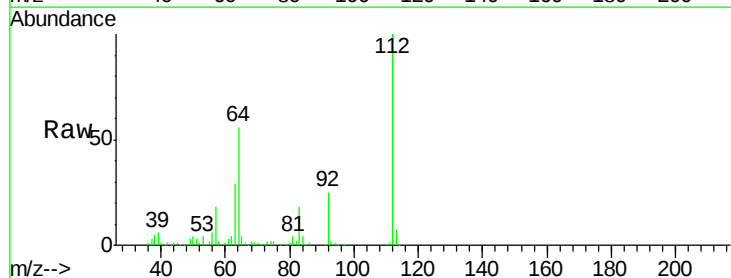
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



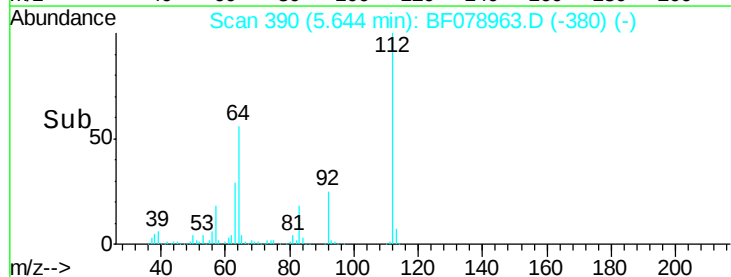
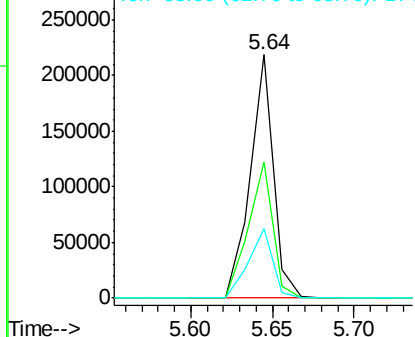
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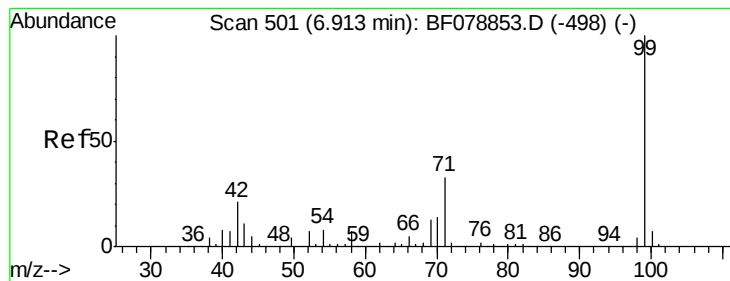
2-Fluorophenol
Concen: 48.00 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion:112 Resp: 216389
Ion Ratio Lower Upper
112 100
64 55.9 53.5 80.3
63 28.5 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: 48.41 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

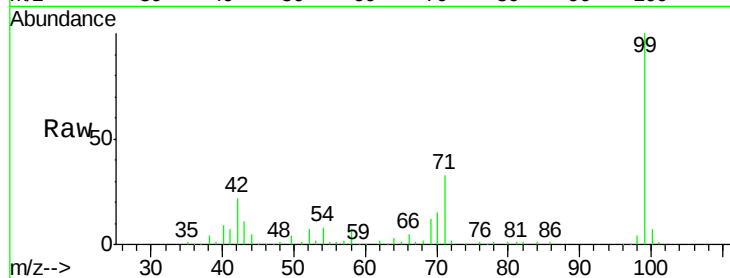
Tgt Ion: 99 Resp: 288470

Ion Ratio Lower Upper

99 100

42 21.6 12.8 19.2#

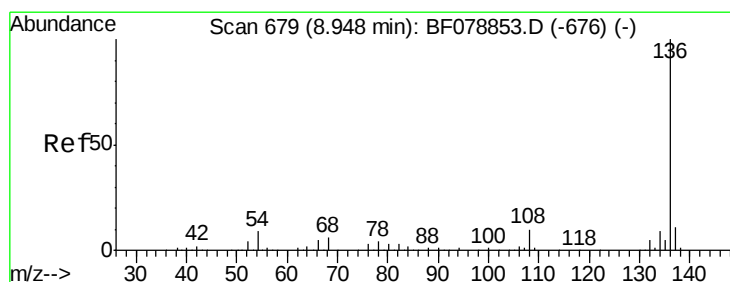
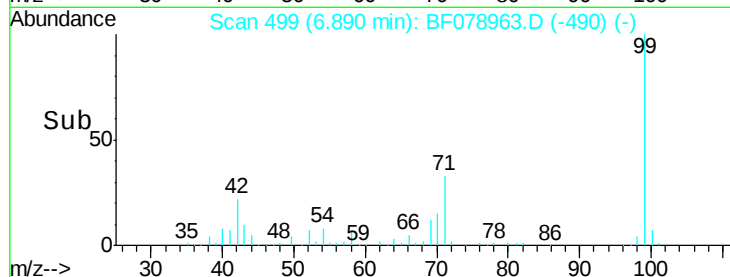
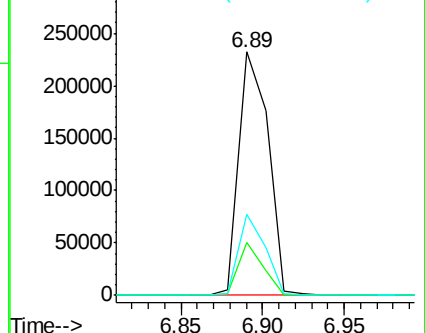
71 33.2 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion: 136 Resp: 318112

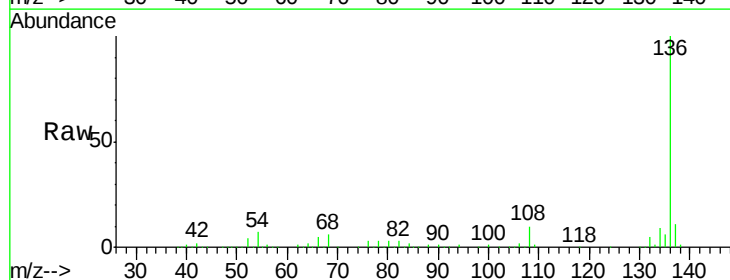
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.4 5.8 8.8

68 5.5 4.2 6.4

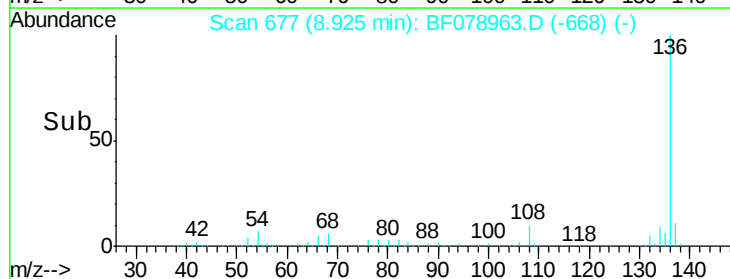
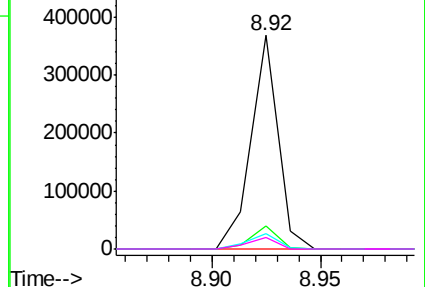


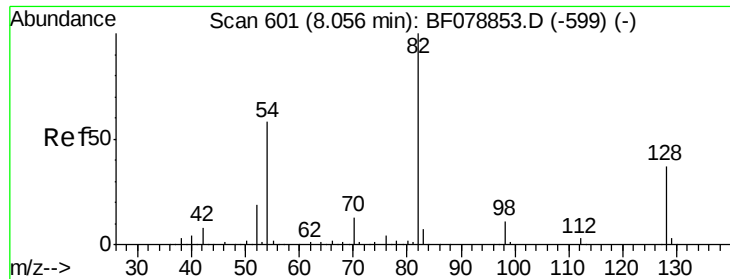
Abundance Ion 136.00 (135.70 to 136.70): E

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

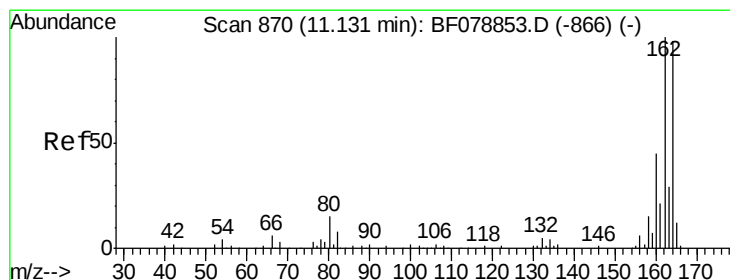
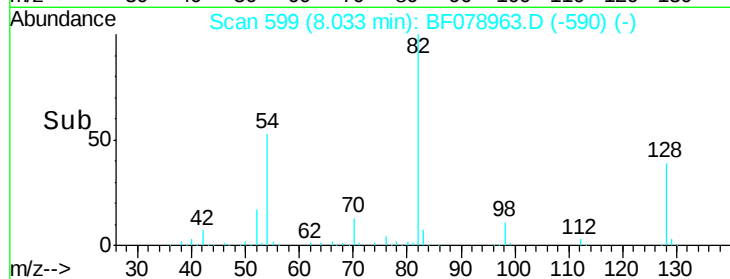
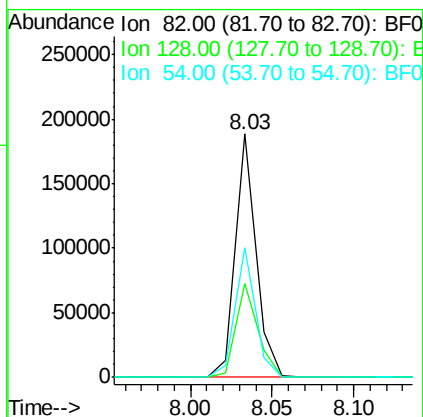
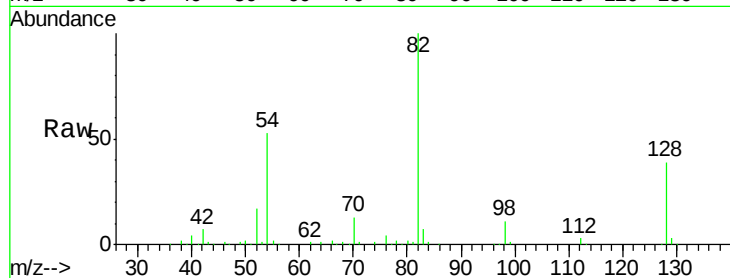




#23
 Nitrobenzene-d5
 Concen: 29.46 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

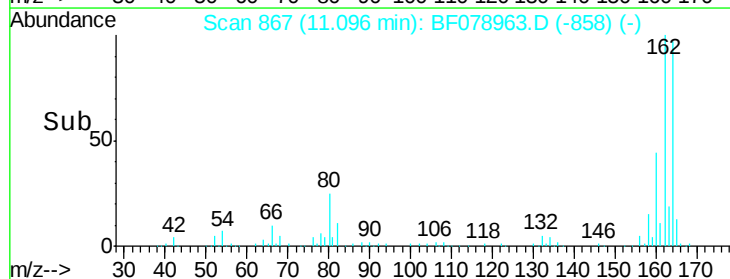
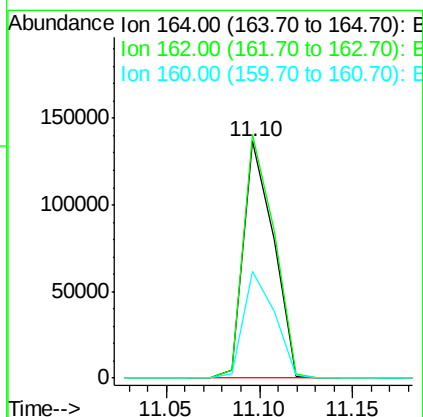
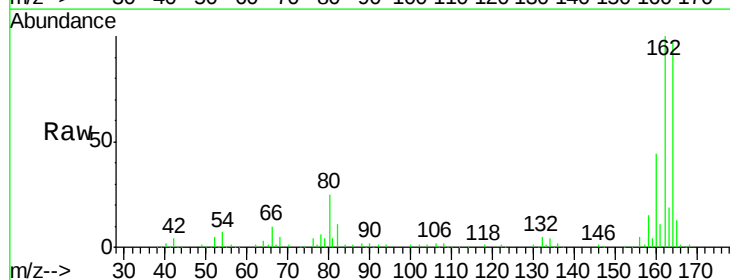
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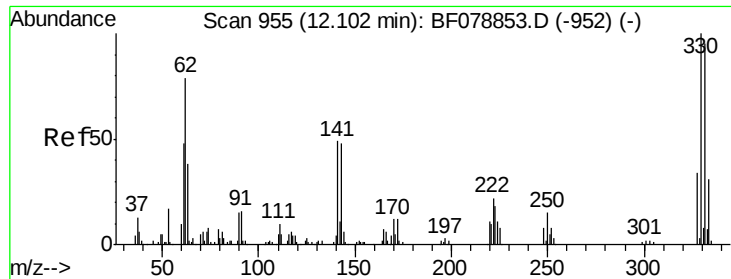
Tgt Ion: 82 Resp: 163043
 Ion Ratio Lower Upper
 82 100
 128 38.7 30.0 45.0
 54 53.3 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion: 164 Resp: 152844
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.7 124.1
 160 45.0 35.8 53.8

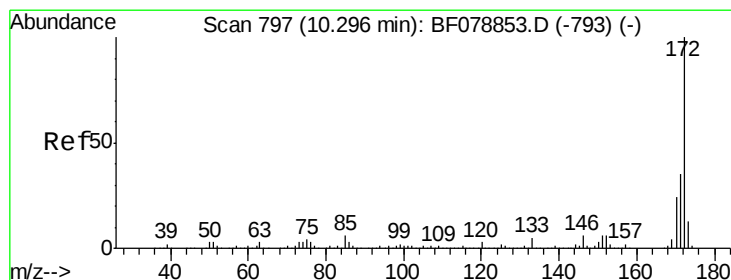
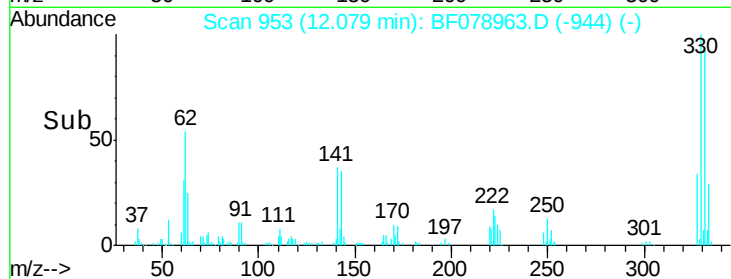
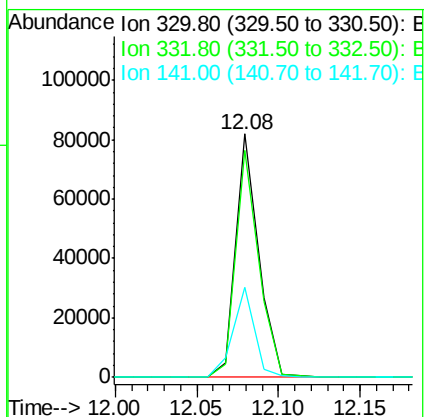
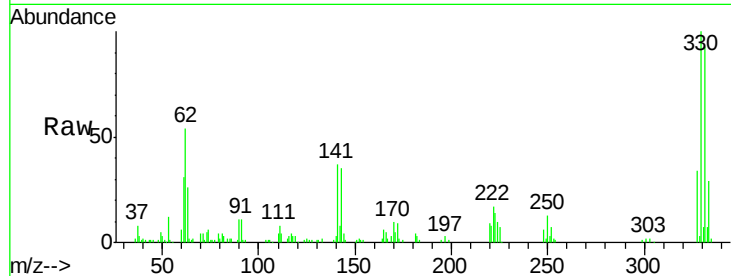




#41
 2,4,6-Tribromophenol
 Concen: 47.86 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

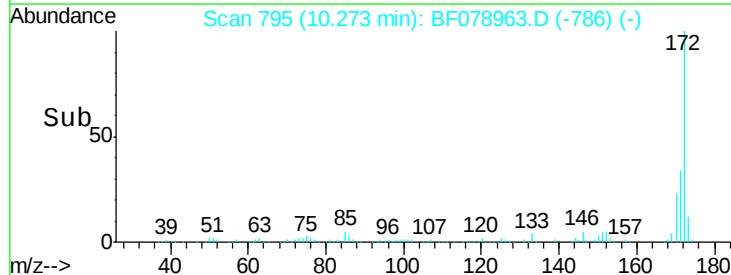
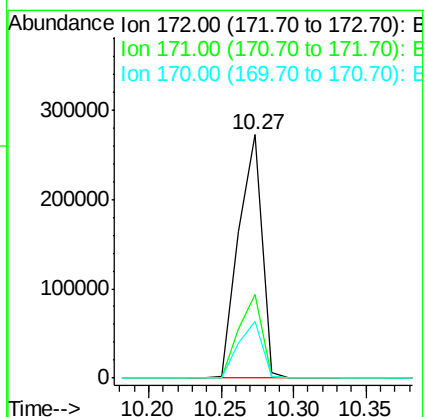
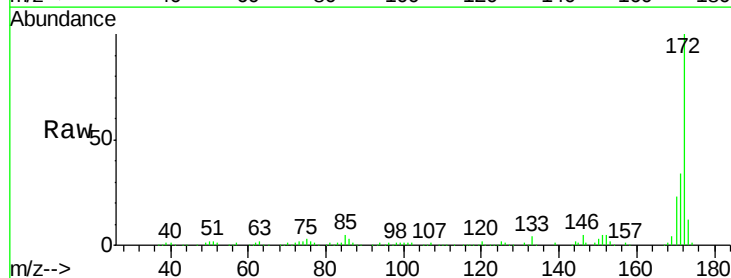
Instrument :
 BNA_F
 ClientSampleId :
 SB-59AS

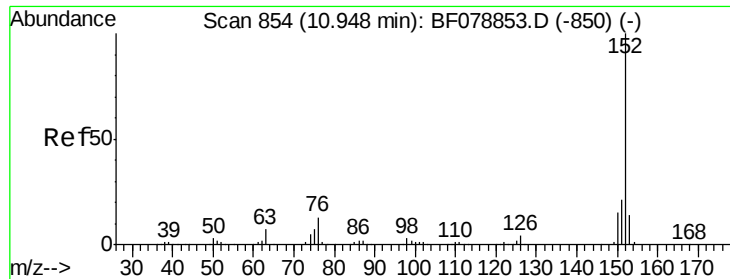
Tgt Ion:330 Resp: 79142
 Ion Ratio Lower Upper
 330 100
 332 93.8 0.0 0.0#
 141 34.8 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 27.99 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion:172 Resp: 307116
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.9 41.9
 170 23.2 19.4 29.0





#48

Acenaphthylene

Concen: 2.50 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

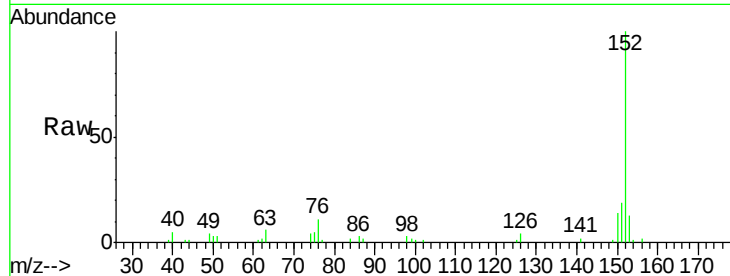
Tgt Ion:152 Resp: 38844

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.4

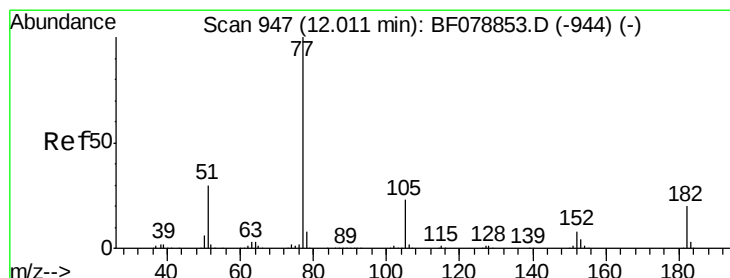
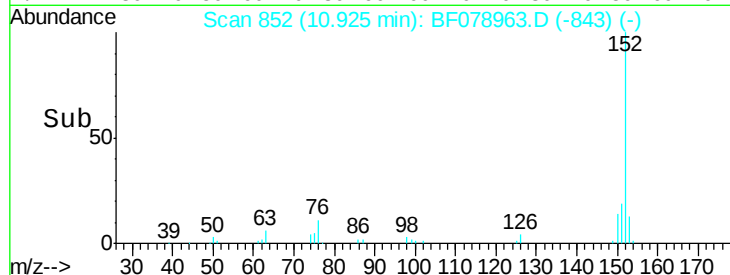
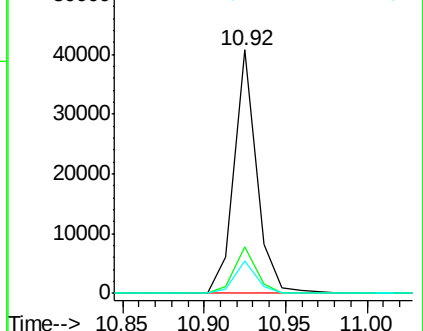
153 13.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#62

Azobenzene

Concen: 2.41 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Tgt Ion: 77 Resp: 26421

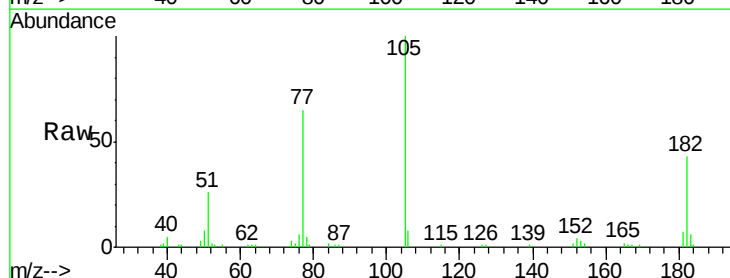
Ion Ratio Lower Upper

77 100

182 66.0 3.8 43.8#

105 154.0 3.9 43.9#

51 40.7 10.8 50.8

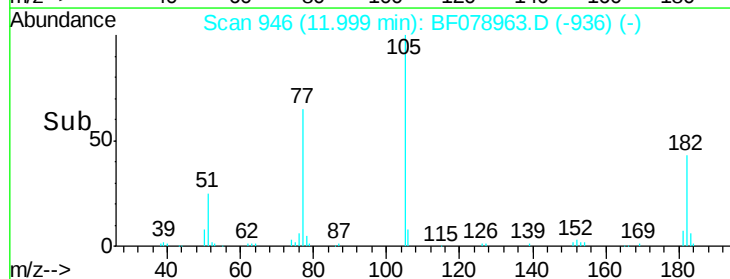
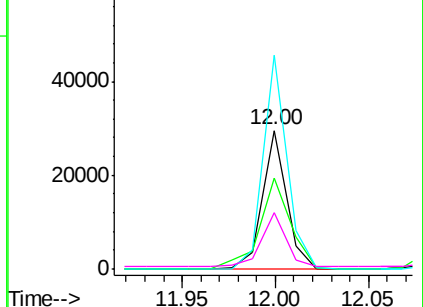


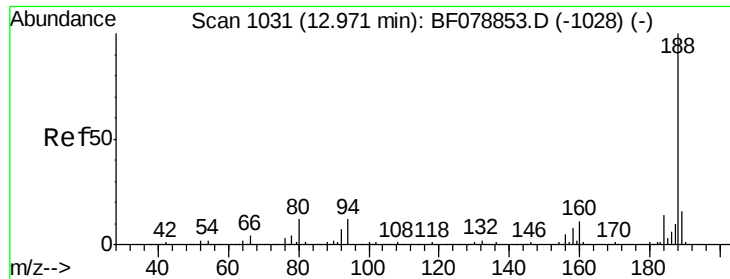
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

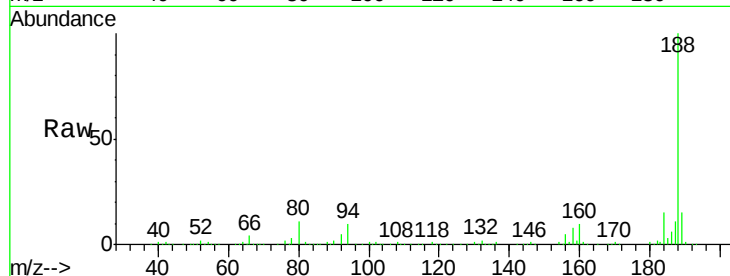




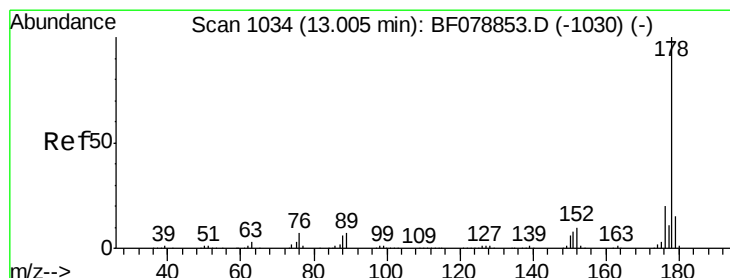
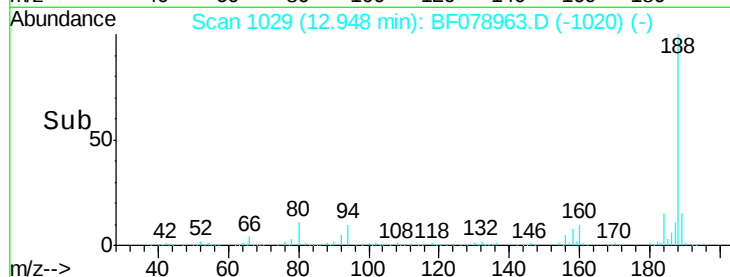
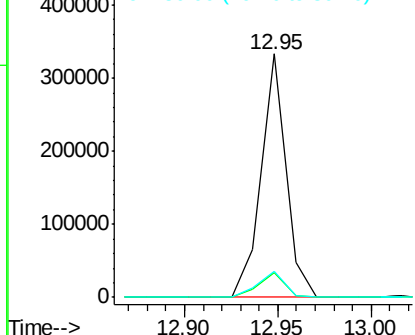
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Instrument :
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Tgt Ion:188 Resp: 306969
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.2 12.2
 80 10.7 8.9 13.3

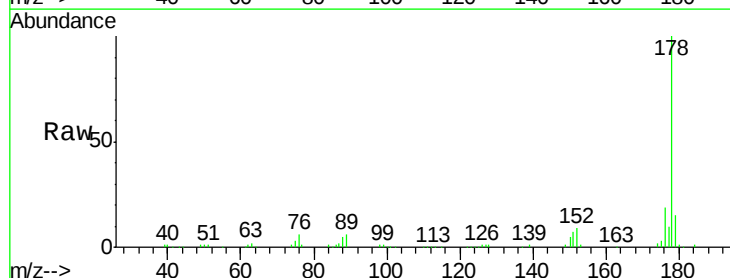


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

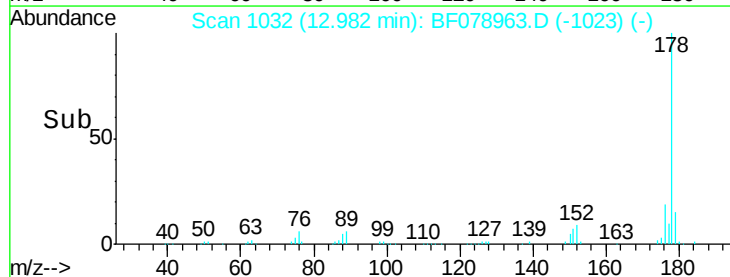
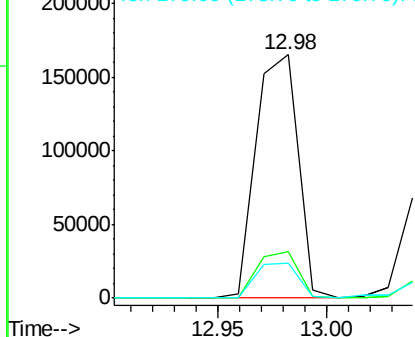


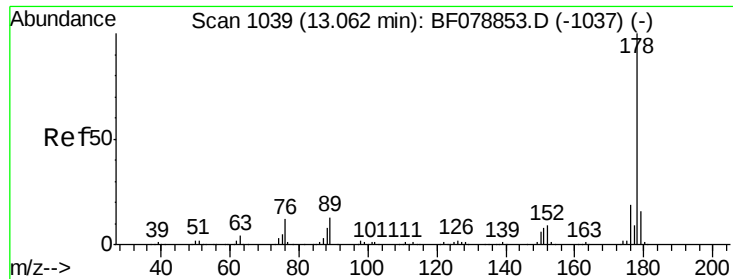
#70
 Phenanthrene
 Concen: 13.02 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion:178 Resp: 223549
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 14.6 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

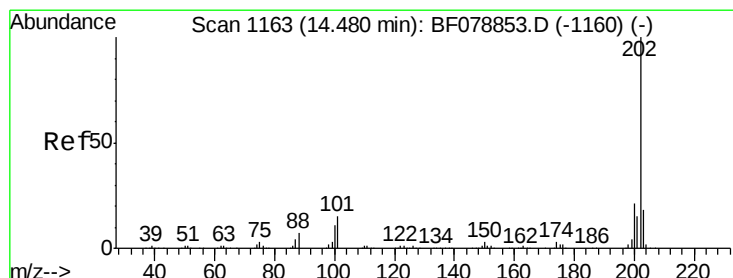
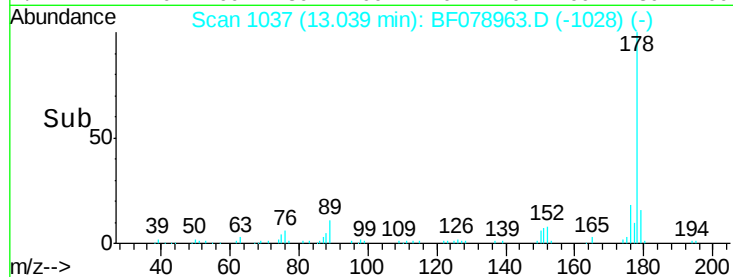
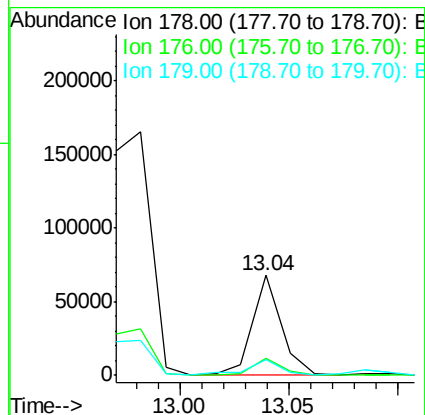
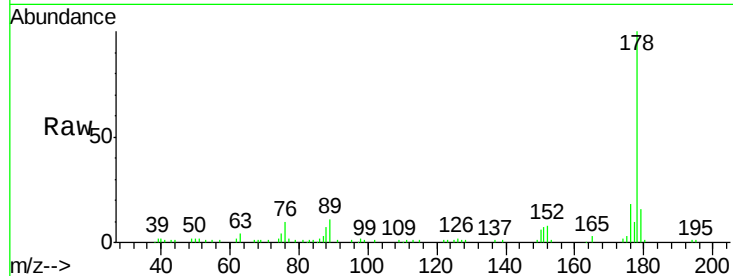




#71
 Anthracene
 Concen: 3.63 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

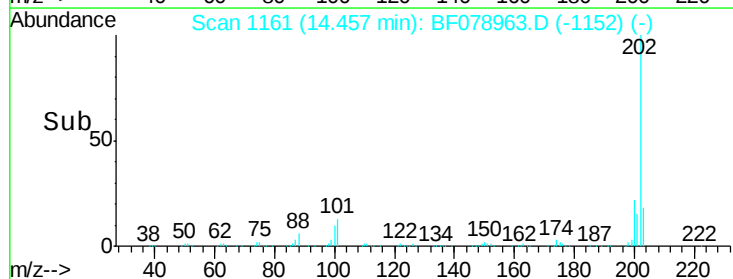
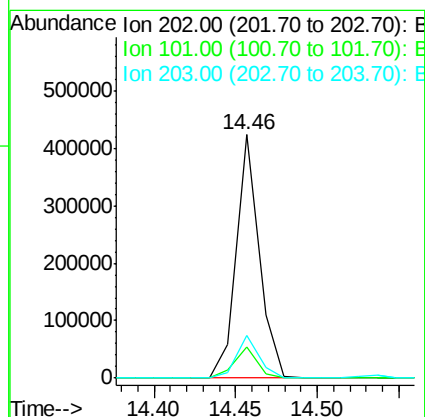
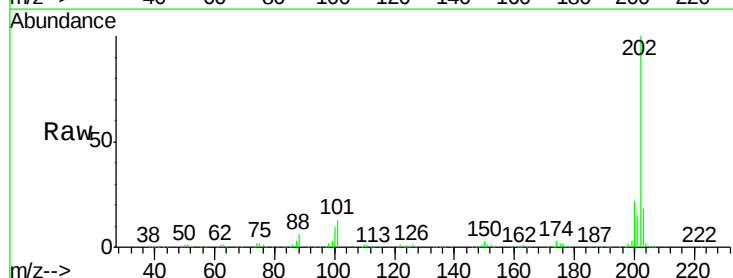
Instrument :
 BNA_F
 ClientSampleId :
 SB-59AS

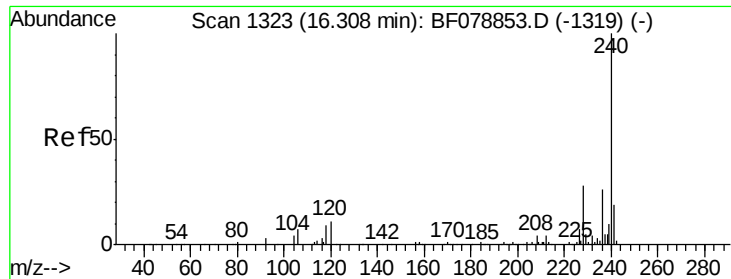
Tgt Ion:178 Resp: 61163
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.5 23.3
 179 16.2 12.7 19.1



#74
 Fluoranthene
 Concen: 22.84 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion:202 Resp: 408686
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 34.6
 203 17.7 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

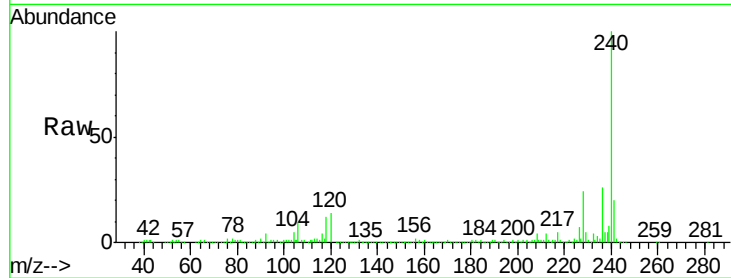
Tgt Ion:240 Resp: 335309

Ion Ratio Lower Upper

240 100

120 14.2 9.7 14.5

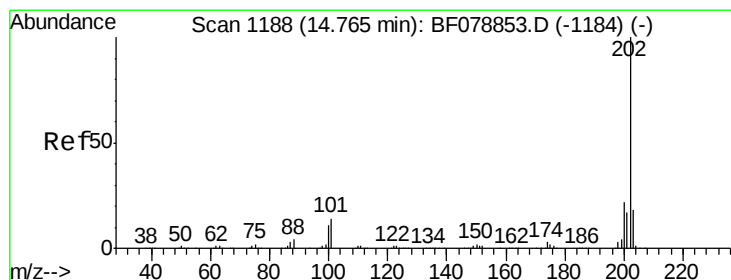
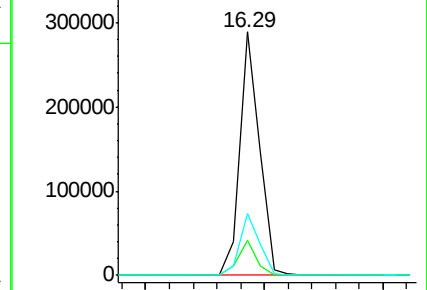
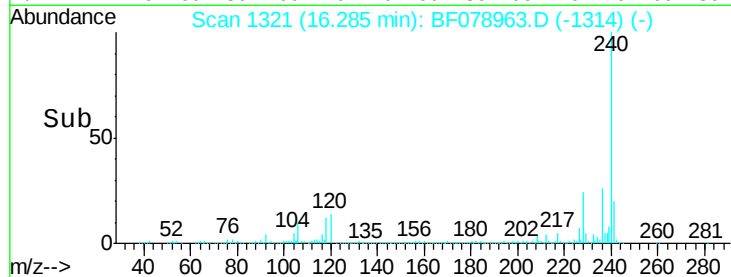
236 25.6 20.2 30.4



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: 22.00 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

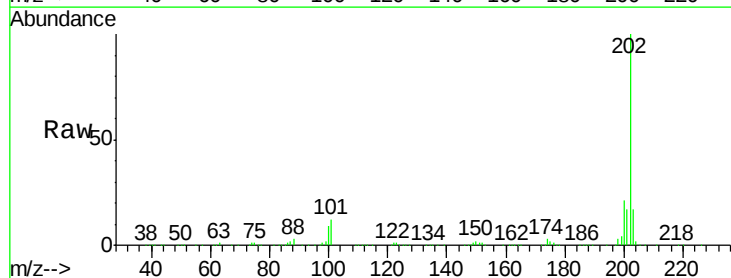
Tgt Ion:202 Resp: 425038

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

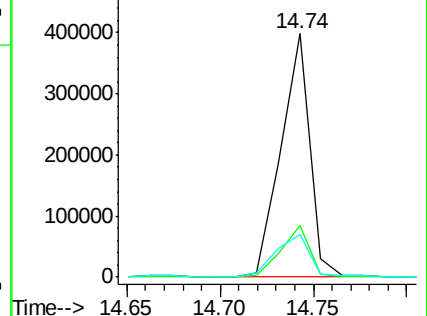
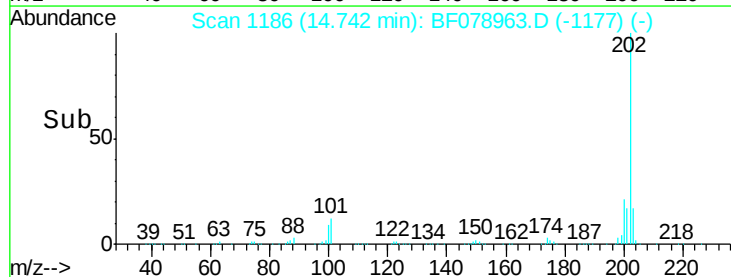
203 17.4 13.9 20.9

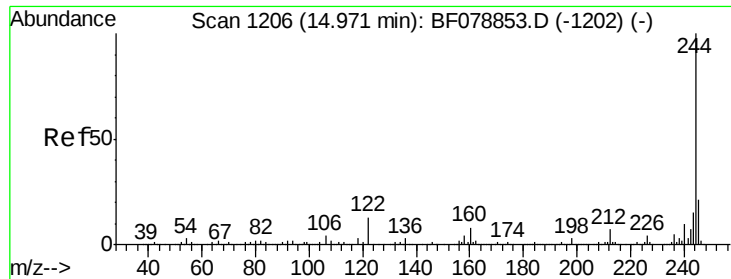


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

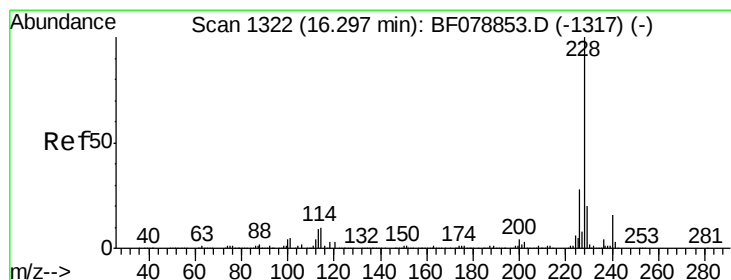
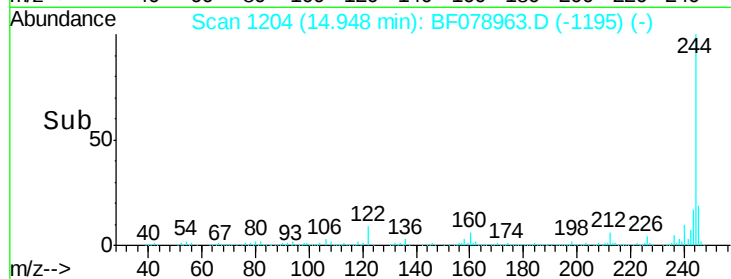
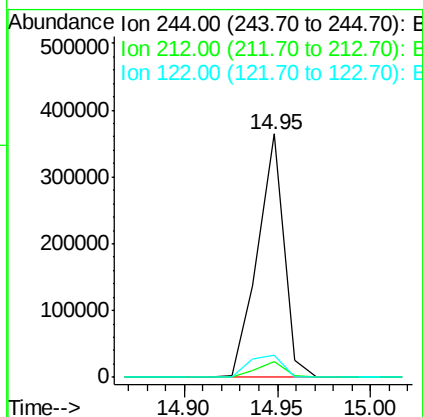
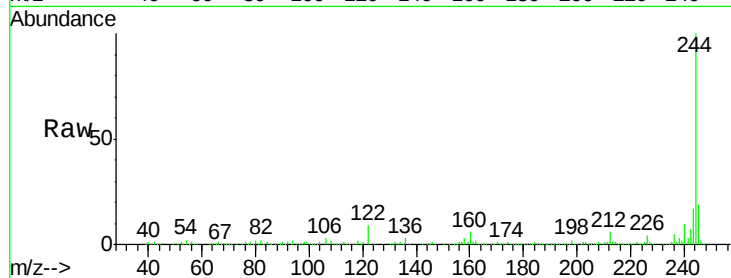




#78
 Terphenyl-d14
 Concen: 25.96 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

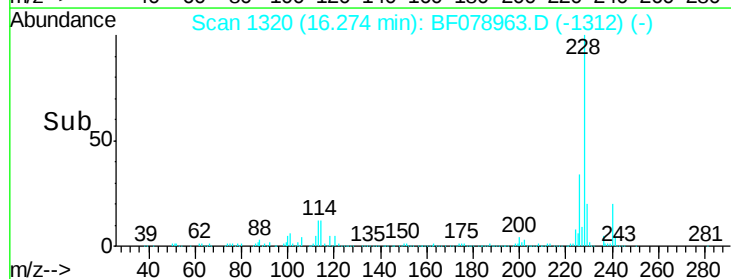
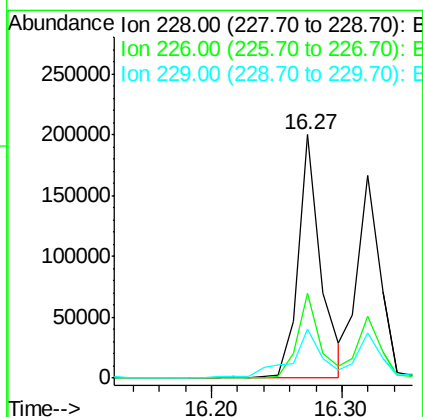
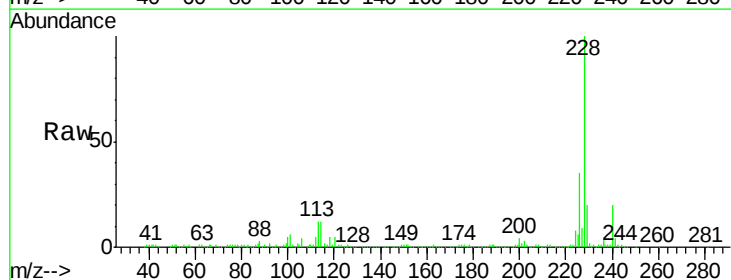
Instrument :
 BNA_F
 ClientSampleId :
 SB-59AS

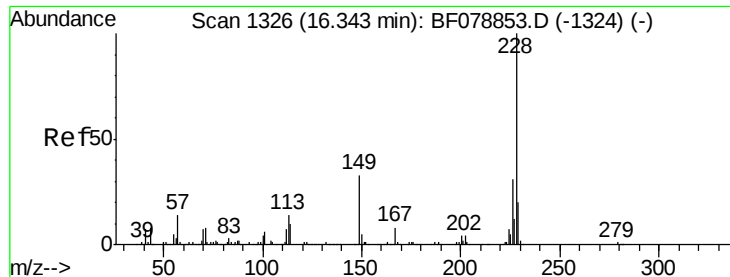
Tgt Ion:244 Resp: 363611
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 8.9 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 13.08 ng
 RT: 16.27 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF078963.D
 Acq: 6 May 2015 16:34

Tgt Ion:228 Resp: 240222
 Ion Ratio Lower Upper
 228 100
 226 34.6 22.6 33.8#
 229 20.3 15.9 23.9





#82

Chrysene

Concen: 11.30 ng

RT: 16.32 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

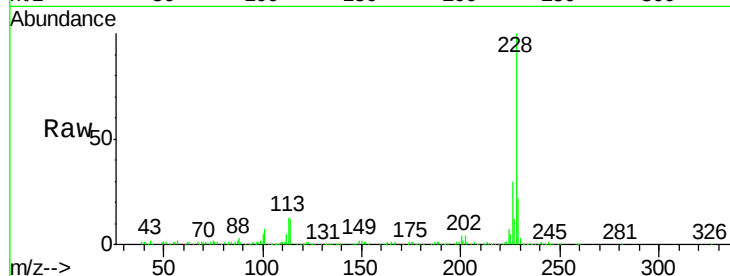
Tgt Ion:228 Resp: 199609

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

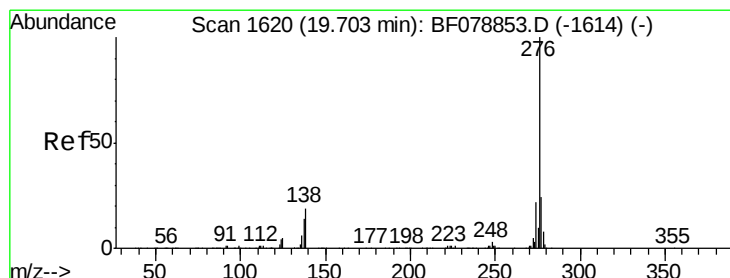
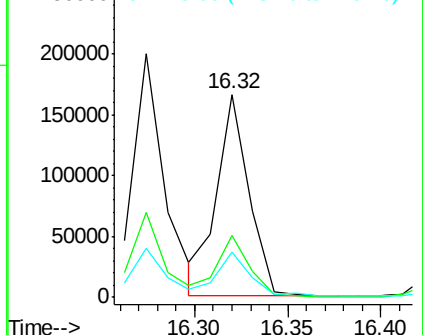
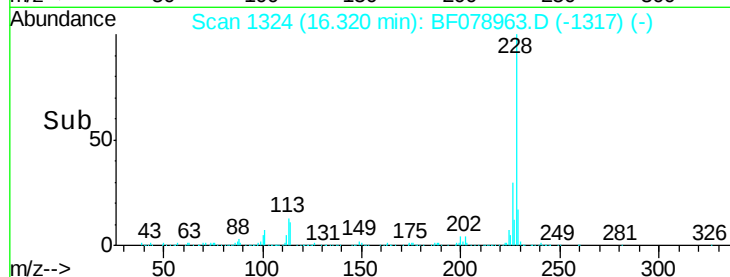
229 22.0 16.0 24.0



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: 7.37 ng

RT: 19.68 min Scan# 1618

Delta R.T. -0.08 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

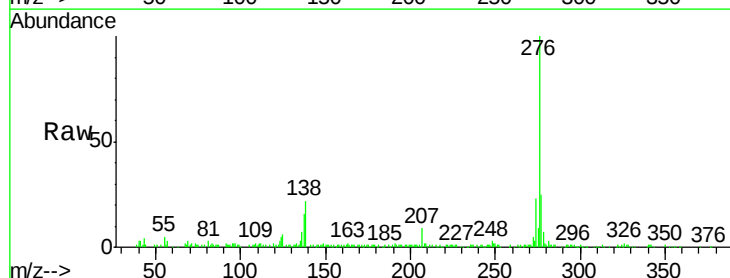
Tgt Ion:276 Resp: 165755

Ion Ratio Lower Upper

276 100

138 23.0 0.0 0.0#

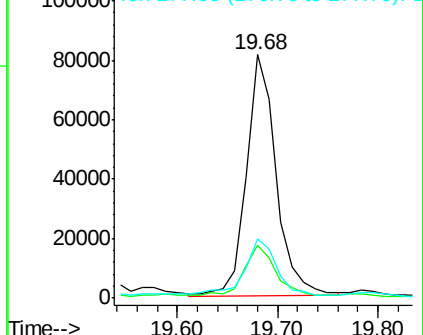
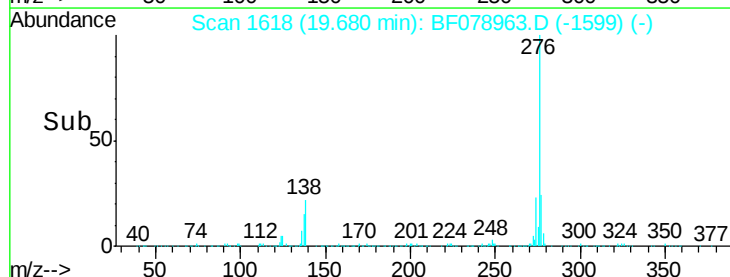
277 26.8 0.0 0.0#

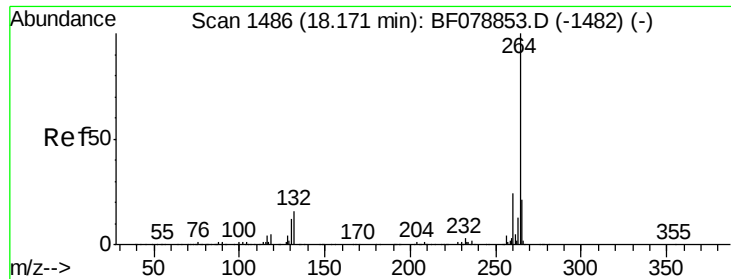


Abundance Ion 276.00 (275.70 to 276.70): E

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: 18.17 min Scan# 1486

Delta R.T. -0.06 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

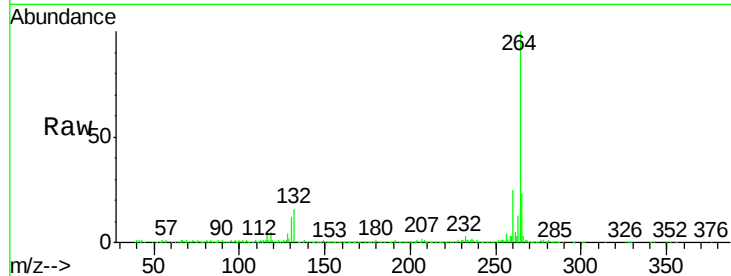
Tgt Ion:264 Resp: 364710

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

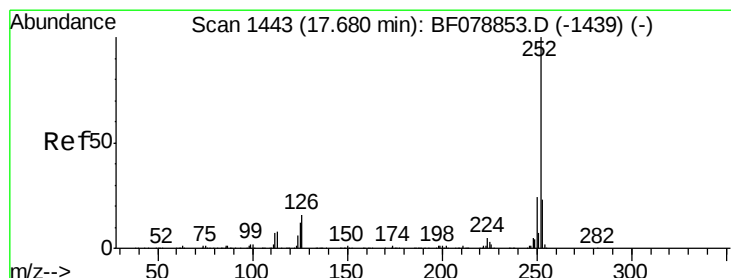
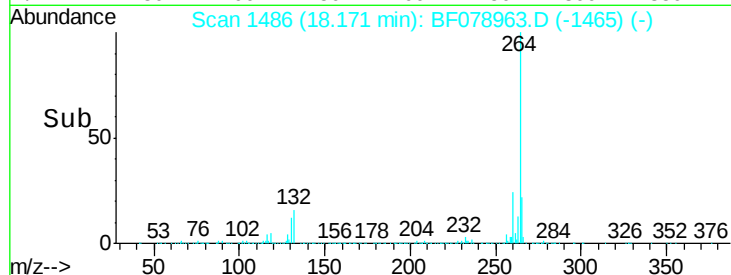
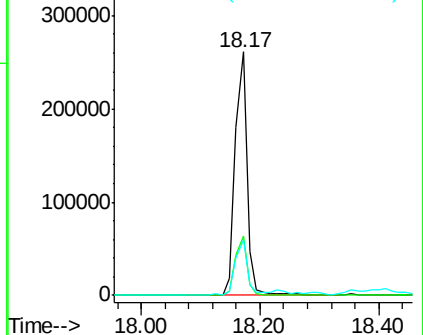
265 22.6 18.3 27.5



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: 19.69 ng

RT: 17.68 min Scan# 1443

Delta R.T. -0.05 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

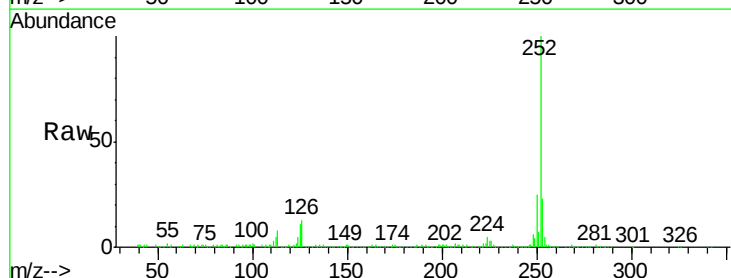
Tgt Ion:252 Resp: 392979

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

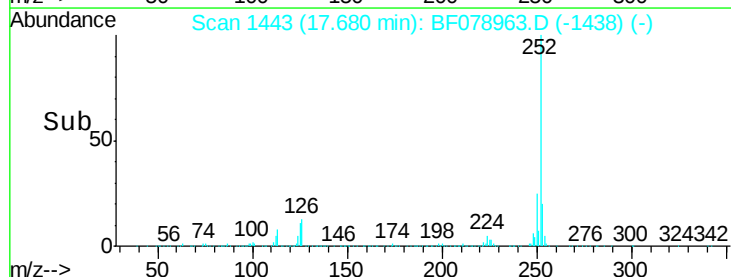
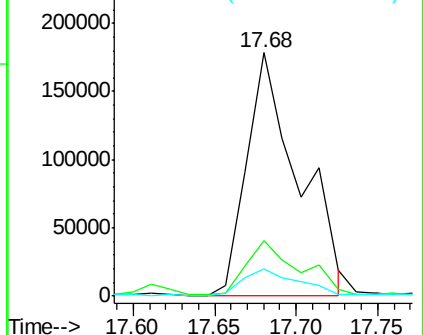
125 11.3 9.5 14.3

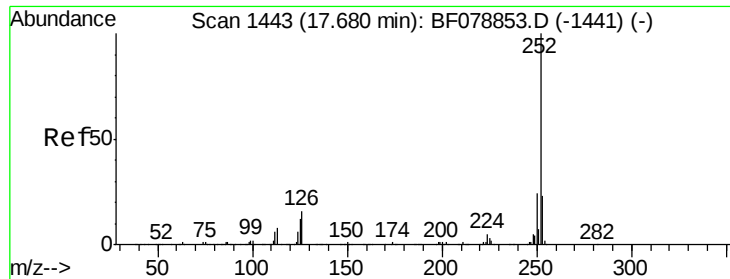


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

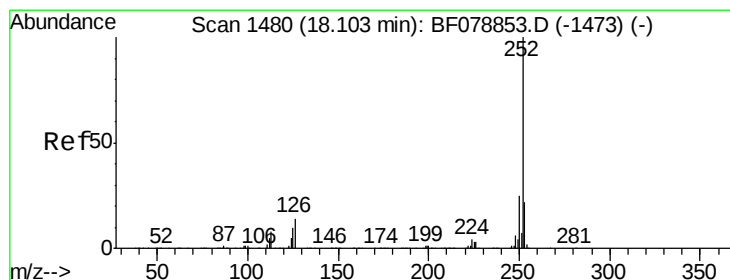
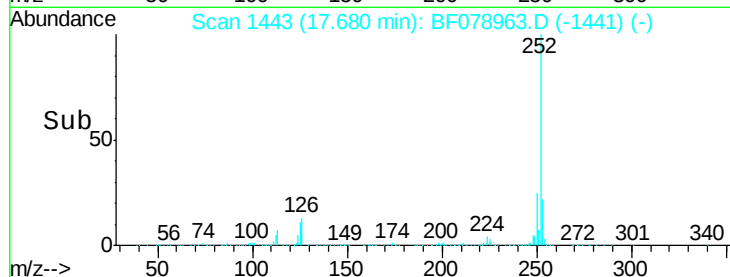
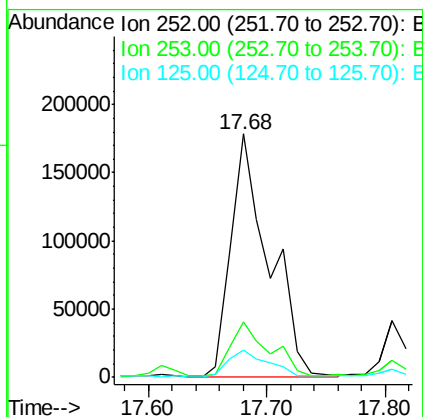
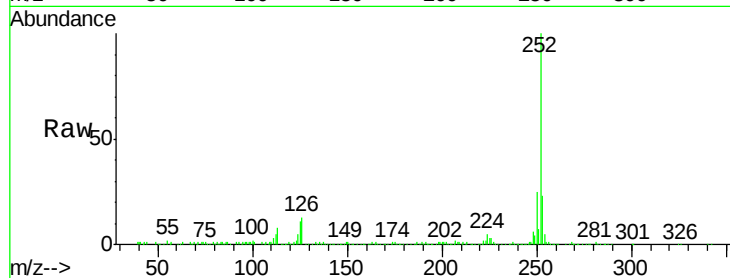




#88
Benzo(k)fluoranthene
Concen: 20.53 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.08 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

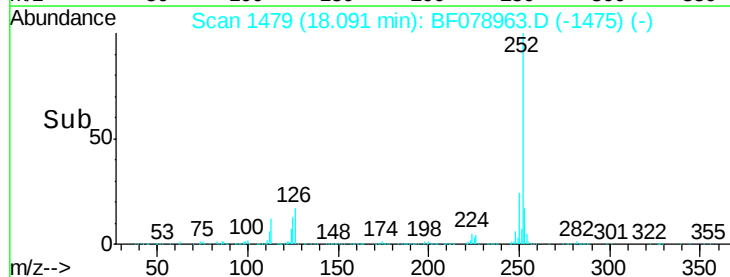
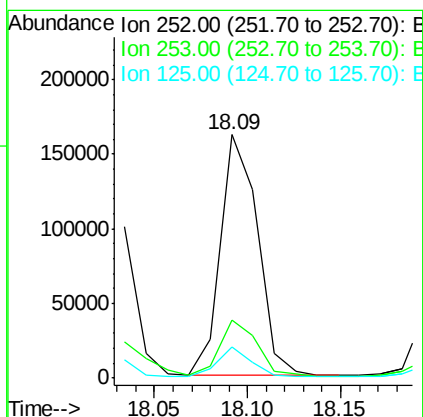
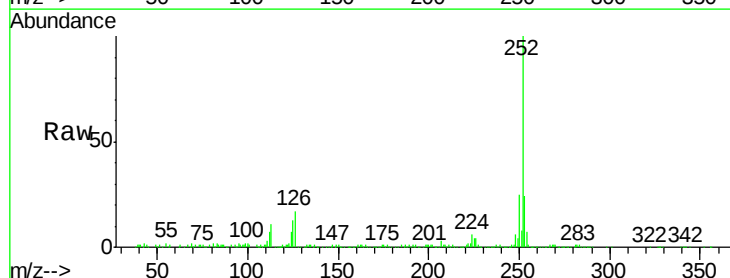
Instrument :
BNA_F
ClientSampleId :
SB-59AS

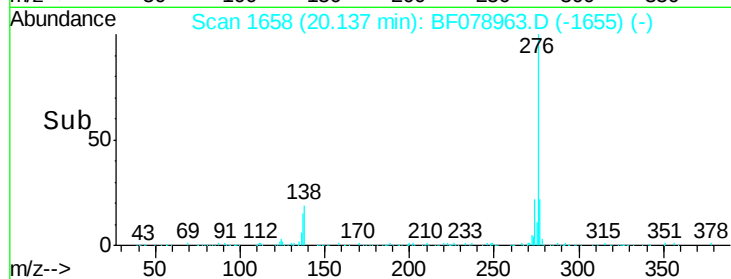
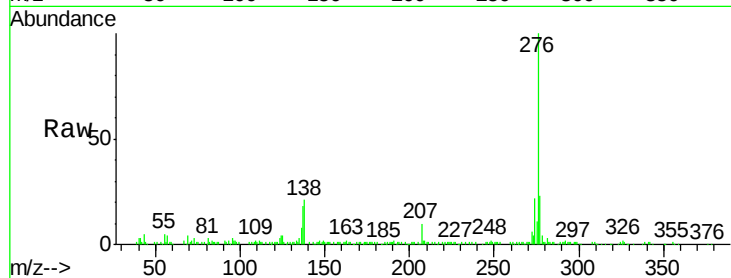
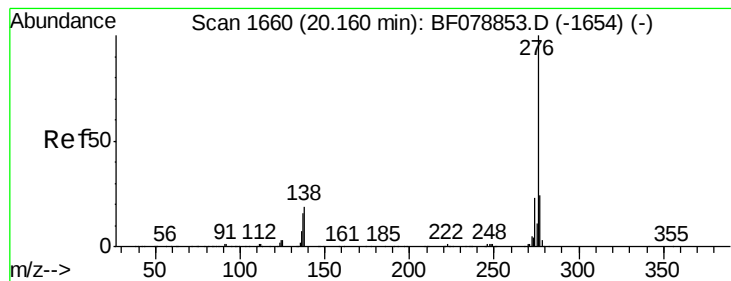
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.3	10.0	15.0



#89
Benzo(a)pyrene
Concen: 12.22 ng
RT: 18.09 min Scan# 1479
Delta R.T. -0.06 min
Lab File: BF078963.D
Acq: 6 May 2015 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	12.8	7.0	10.6





#91

Benzo(g,h,i)perylene

Concen: 8.16 ng

RT: 20.14 min Scan# 1658

Delta R.T. -0.07 min

Lab File: BF078963.D

Acq: 6 May 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-59AS

Tgt Ion: 276 Resp: 159686

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 21.2 17.4 26.0

