

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062415\
 Data File : BF080150.D
 Acq On : 25 Jun 2015 2:08
 Operator : TP/IZ
 Sample : G2747-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)

Quant Time: Jun 25 05:03:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 00:52:28 2015
 Response via : Initial Calibration

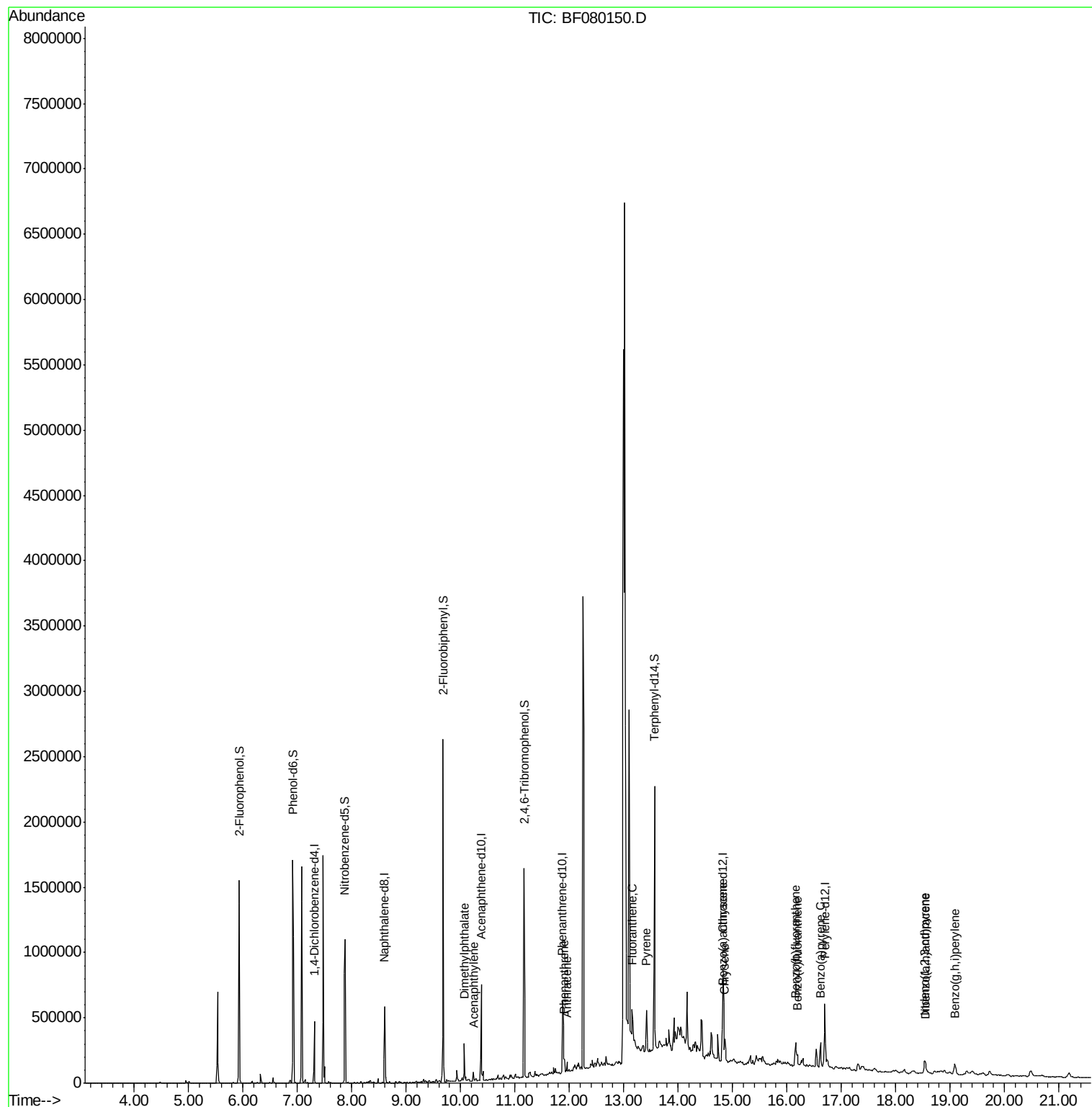
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	68212	20.00	ng	0.00
21) Naphthalene-d8	8.61	136	262747	20.00	ng	0.00
38) Acenaphthene-d10	10.38	164	138237	20.00	ng	0.00
63) Phenanthrene-d10	11.88	188	256285	20.00	ng	-0.01
75) Chrysene-d12	14.83	240	268254	20.00	ng	-0.10
86) Perylene-d12	16.70	264	266750	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	594050	154.16	ng	0.01
7) Phenol-d6	6.92	99	769795	150.12	ng	0.00
23) Nitrobenzene-d5	7.88	82	463164	102.62	ng	0.00
41) 2,4,6-Tribromophenol	11.17	330	194480	143.87	ng	0.00
44) 2-Fluorobiphenyl	9.68	172	714776	73.74	ng	0.00
78) Terphenyl-d14	13.57	244	693907	60.41	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	10.24	152	38054	2.50	ng	98
49) Dimethylphthalate	10.07	163	113448	10.92	ng	# 97
70) Phenanthrene	11.91	178	59328	3.82	ng	97
71) Anthracene	11.96	178	32256	2.16	ng	97
74) Fluoranthene	13.16	202	110468	6.69	ng	96
77) Pyrene	13.42	202	133748	8.10	ng	97
80) Benzo(a)anthracene	14.81	228	98982	6.06	ng	# 90
82) Chrysene	14.86	228	91028	6.04	ng	# 91
85) Indeno(1,2,3-cd)pyrene	18.54	276	83742	4.41	ng	# 87
87) Benzo(b)fluoranthene	16.16	252	138178m	8.56	ng	
88) Benzo(k)fluoranthene	16.20	252	36700m	2.23	ng	
89) Benzo(a)pyrene	16.62	252	106429m	6.94	ng	
90) Dibenzo(a,h)anthracene	18.55	278	34111	2.17	ng	# 82
91) Benzo(g,h,i)perylene	19.09	276	85189	5.37	ng	# 79

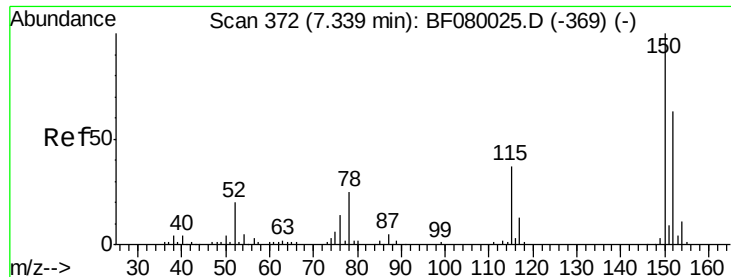
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.32 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

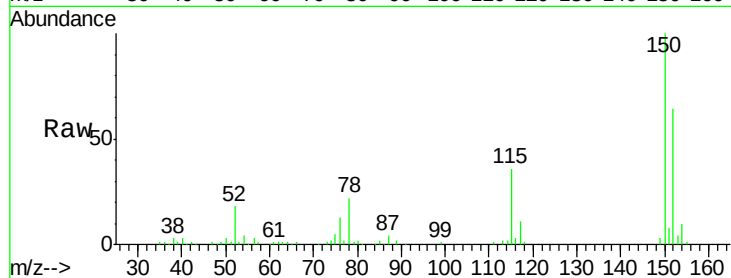
Tgt Ion:152 Resp: 68212

Ion Ratio Lower Upper

152 100

150 156.2 124.7 187.1

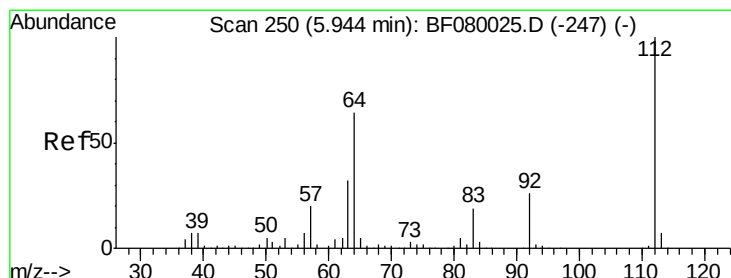
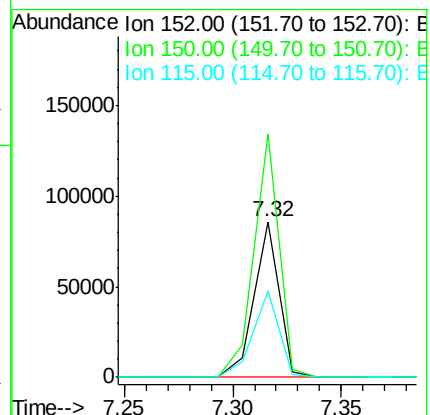
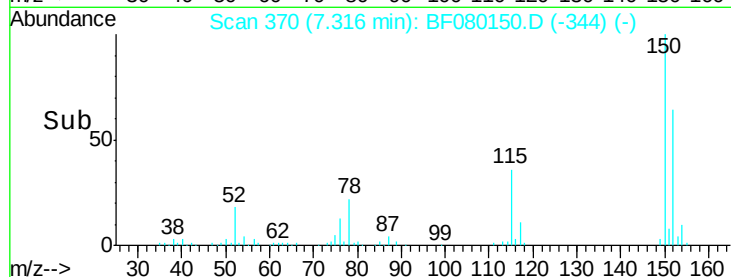
115 55.5 39.0 58.4



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: 154.16 ng

RT: 5.93 min Scan# 249

Delta R.T. 0.01 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

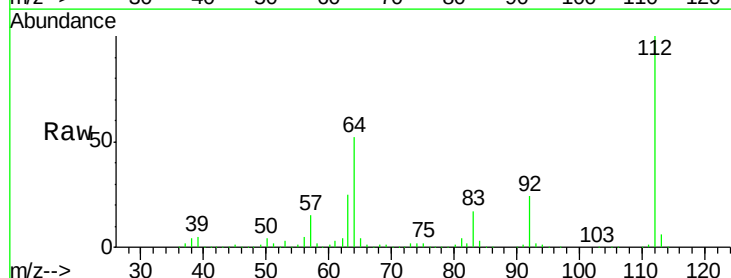
Tgt Ion:112 Resp: 594050

Ion Ratio Lower Upper

112 100

64 51.9 39.7 59.5

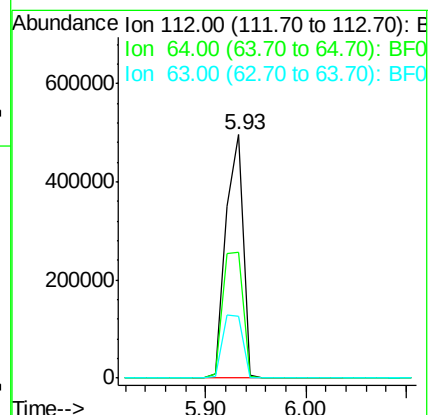
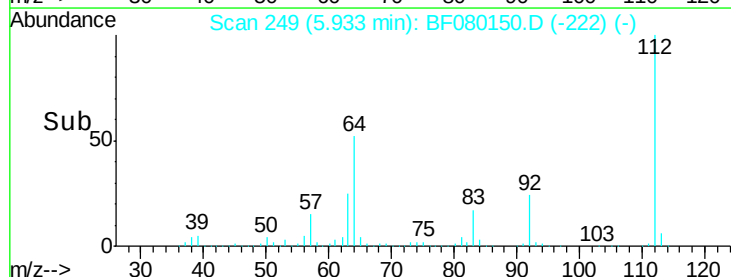
63 25.4 17.4 26.0

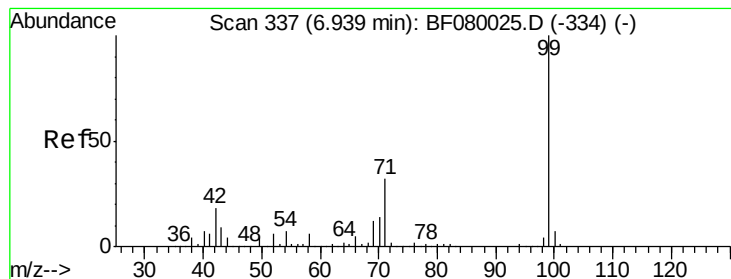


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.12 ng

RT: 6.92 min Scan# 335

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

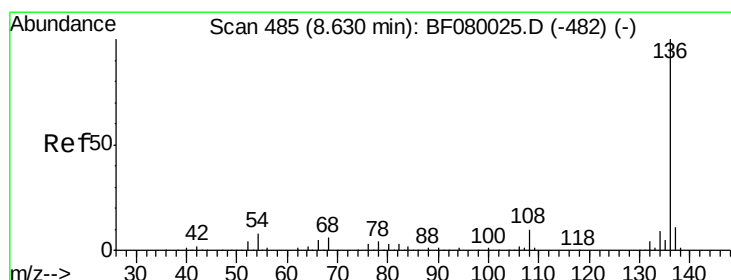
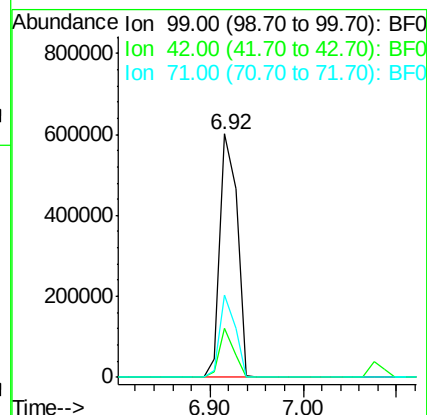
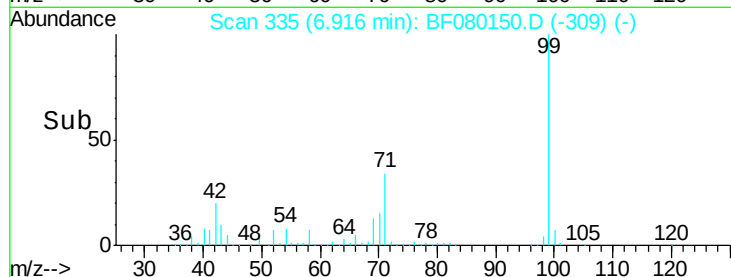
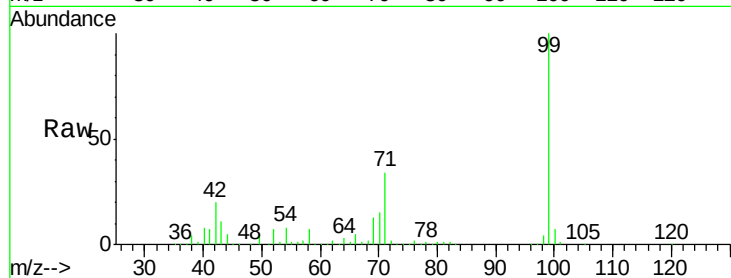
Tgt Ion: 99 Resp: 769795

Ion Ratio Lower Upper

99 100

42 20.2 13.7 20.5

71 33.9 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.61 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Tgt Ion: 136 Resp: 262747

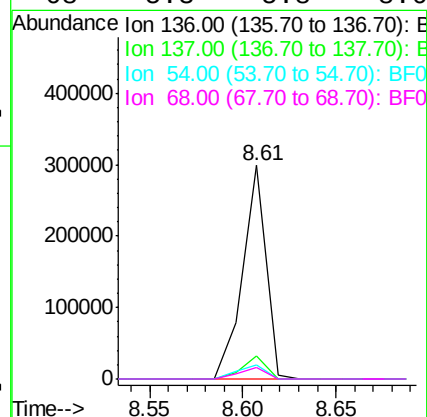
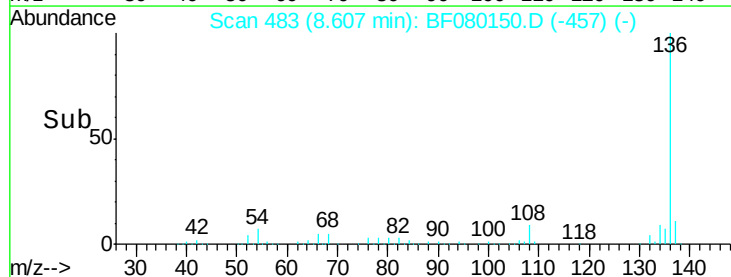
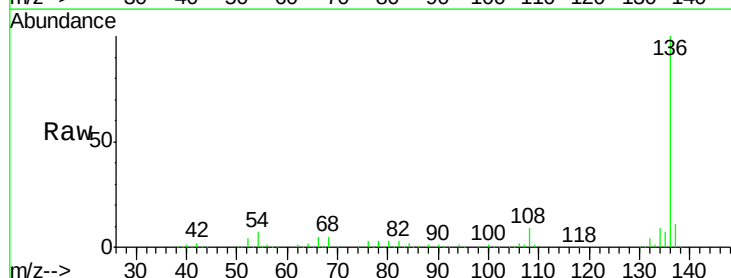
Ion Ratio Lower Upper

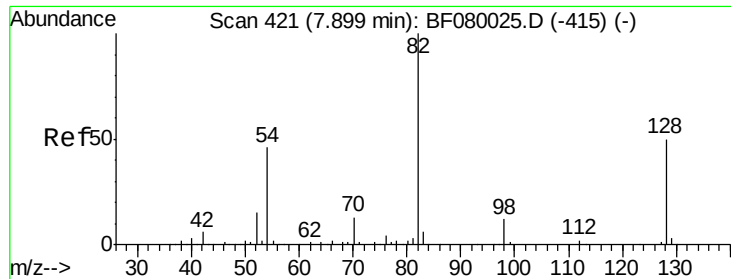
136 100

137 10.9 9.0 13.6

54 6.6 8.2 12.2#

68 5.3 5.8 8.6#

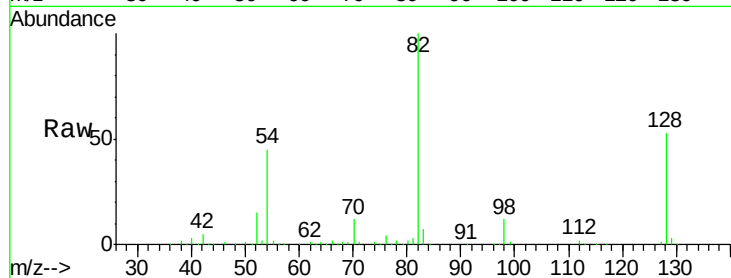




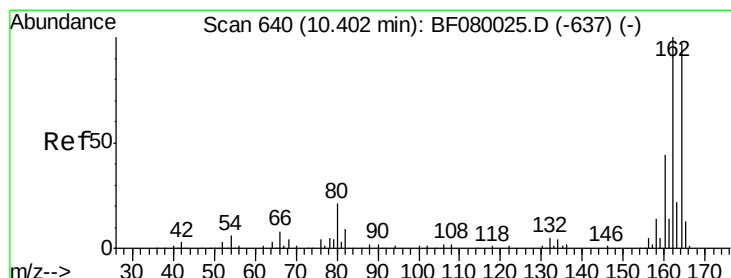
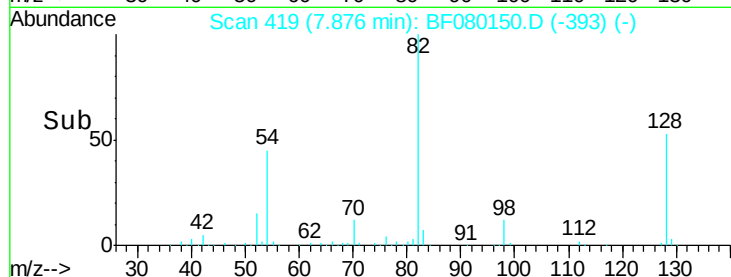
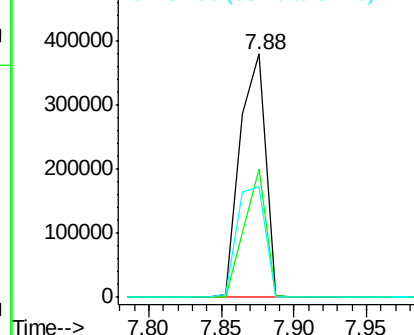
#23
 Nitrobenzene-d5
 Concen: 102.62 ng
 RT: 7.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF080150.D
 Acq: 25 Jun 2015 2:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)

Tgt Ion: 82 Resp: 463164
 Ion Ratio Lower Upper
 82 100
 128 52.6 51.0 76.6
 54 45.2 47.5 71.3#

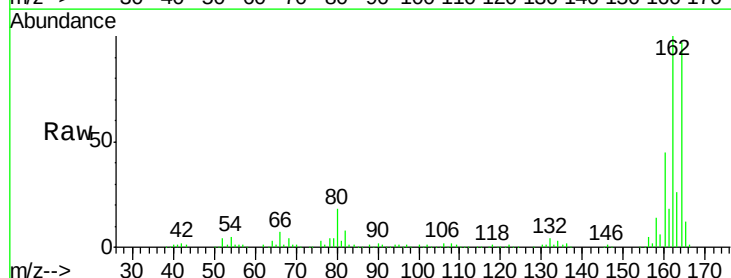


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

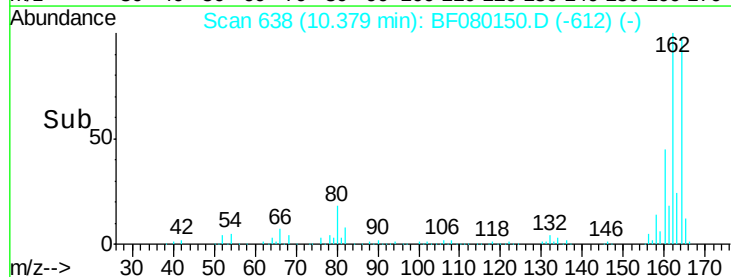
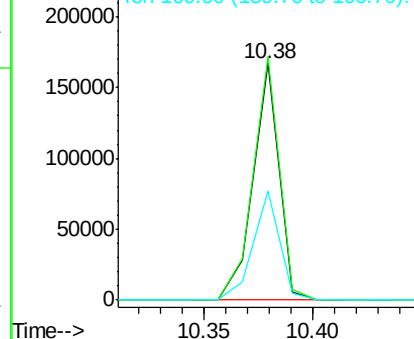


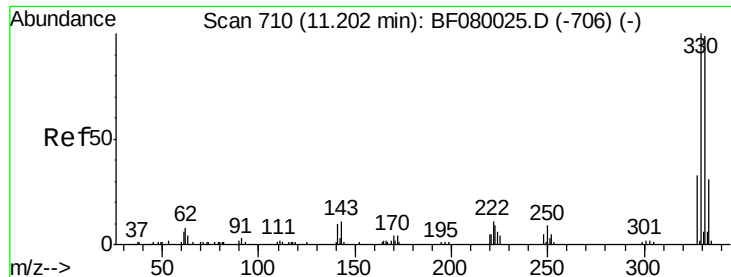
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.38 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF080150.D
 Acq: 25 Jun 2015 2:08

Tgt Ion: 164 Resp: 138237
 Ion Ratio Lower Upper
 164 100
 162 102.8 75.2 112.8
 160 46.2 31.5 47.3



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

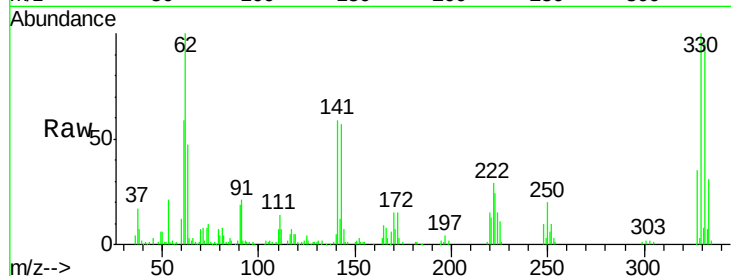




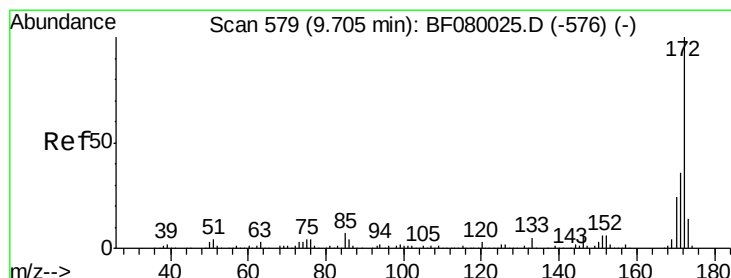
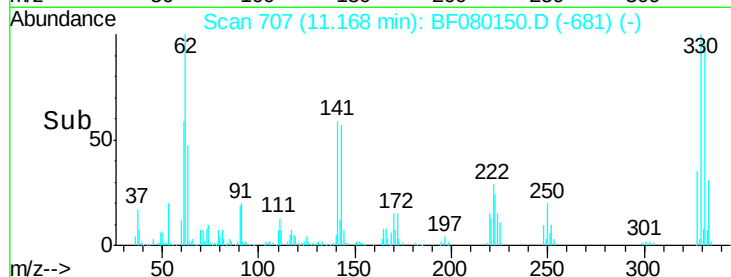
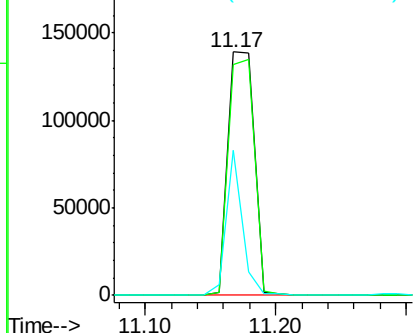
#41
 2,4,6-Tribromophenol
 Concen: 143.87 ng
 RT: 11.17 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF080150.D
 Acq: 25 Jun 2015 2:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	37.8	29.7	44.5

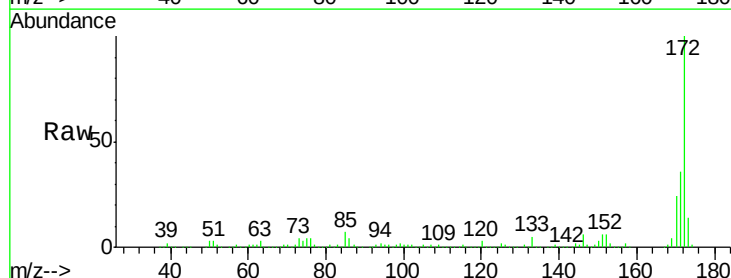


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

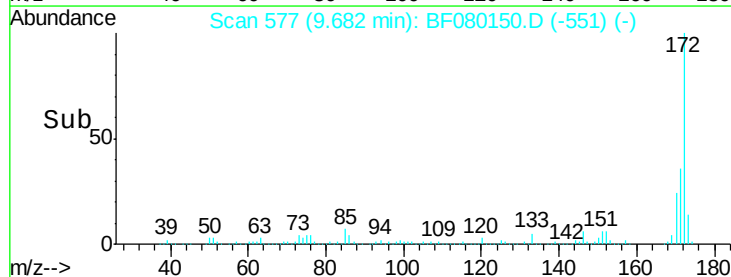
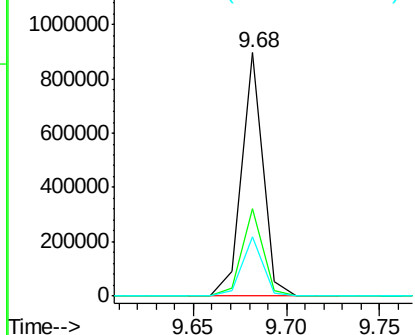


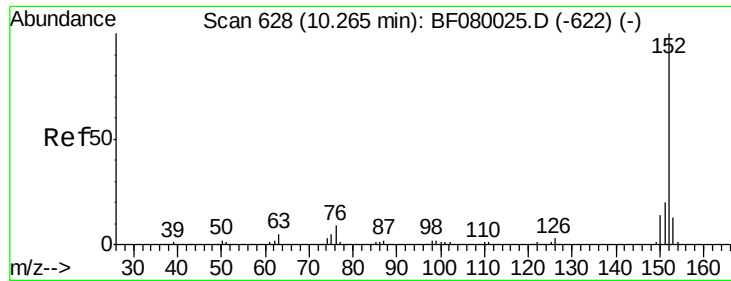
#44
 2-Fluorobiphenyl
 Concen: 73.74 ng
 RT: 9.68 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF080150.D
 Acq: 25 Jun 2015 2:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	24.4	17.4	26.2



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





#48

Acenaphthylene

Concen: 2.50 ng

RT: 10.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

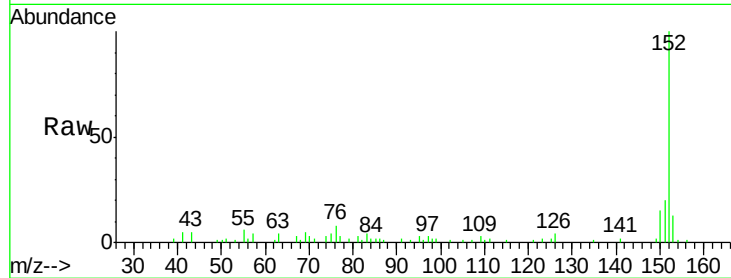
Tgt Ion:152 Resp: 38054

Ion Ratio Lower Upper

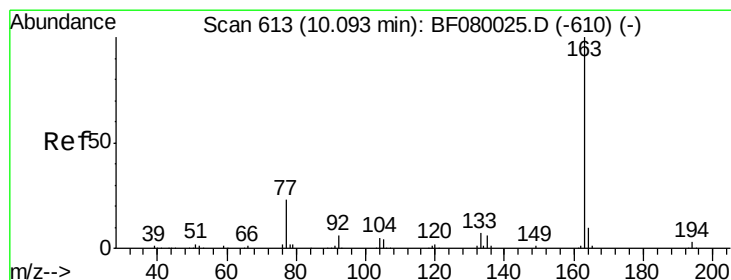
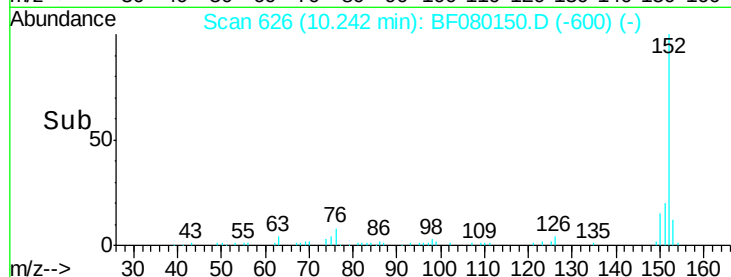
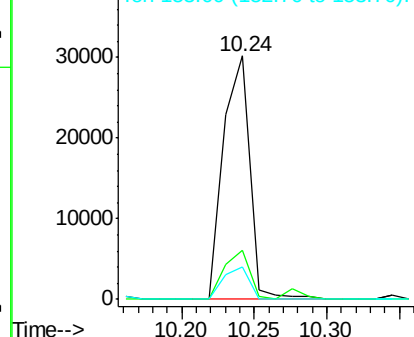
152 100

151 20.0 14.6 22.0

153 13.1 10.3 15.5



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



#49

Dimethylphthalate

Concen: 10.92 ng

RT: 10.07 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

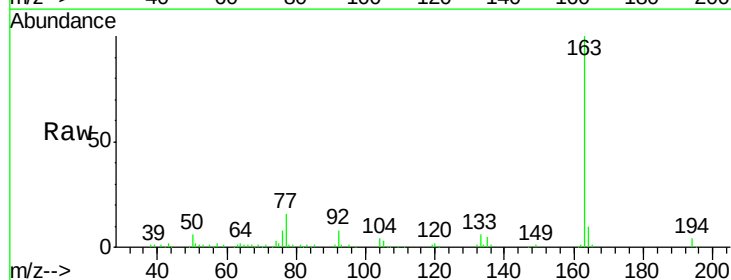
Tgt Ion:163 Resp: 113448

Ion Ratio Lower Upper

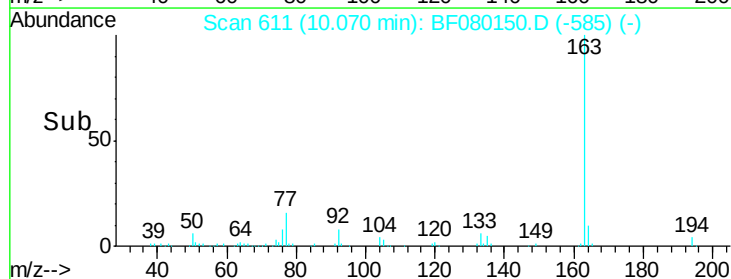
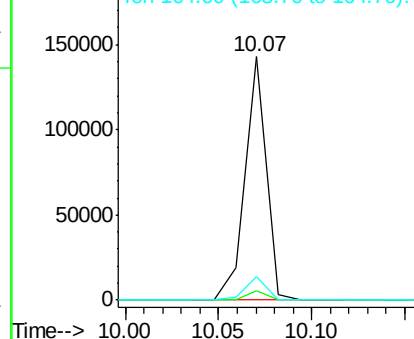
163 100

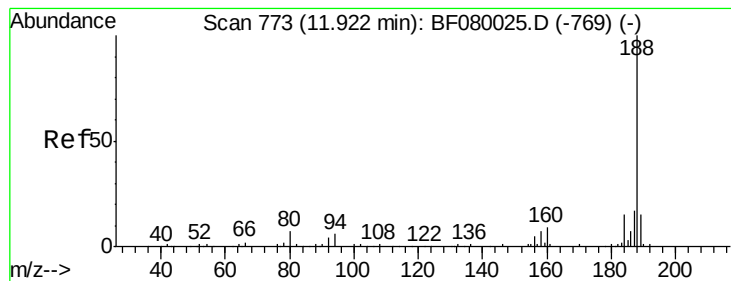
194 3.7 4.4 6.6#

164 9.5 8.3 12.5



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.88 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampled :

SB-76(11-13)

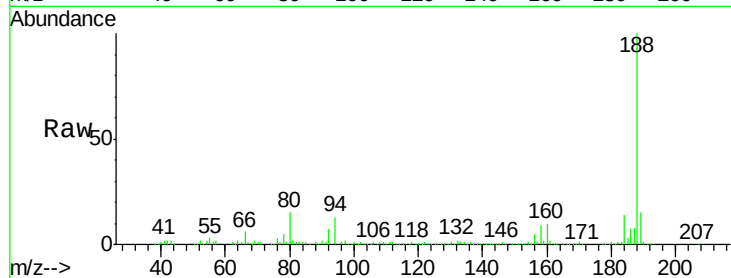
Tgt Ion:188 Resp: 256285

Ion Ratio Lower Upper

188 100

94 13.0 11.1 16.7

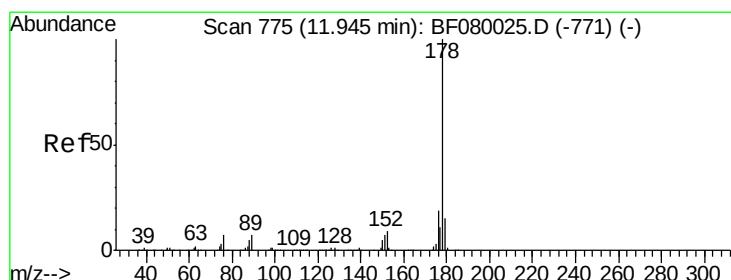
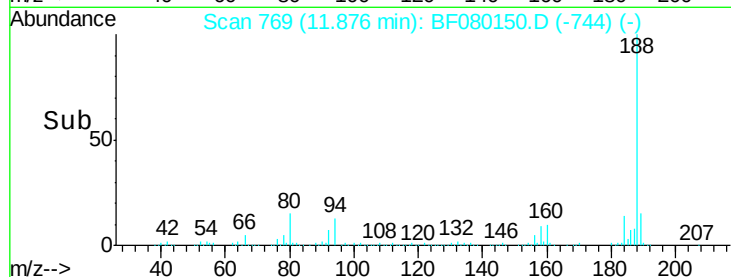
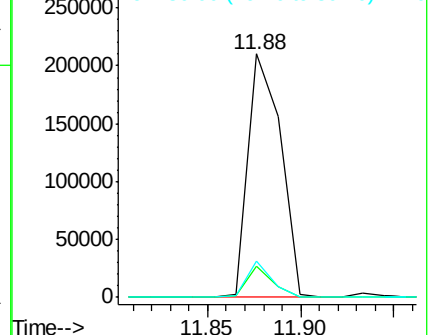
80 14.9 11.0 16.4



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: 3.82 ng

RT: 11.91 min Scan# 772

Delta R.T. 0.00 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

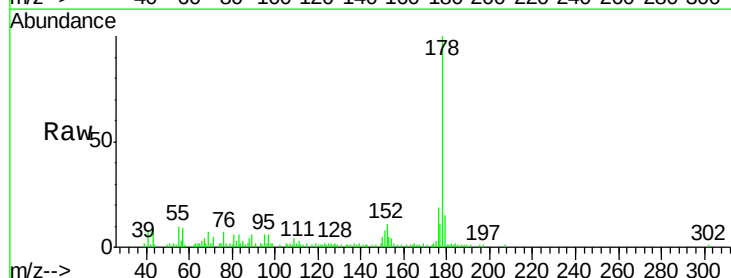
Tgt Ion:178 Resp: 59328

Ion Ratio Lower Upper

178 100

176 19.2 13.8 20.8

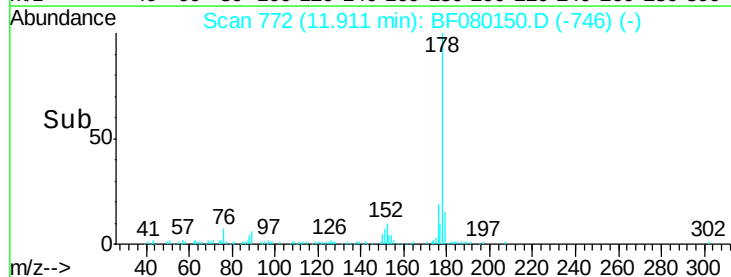
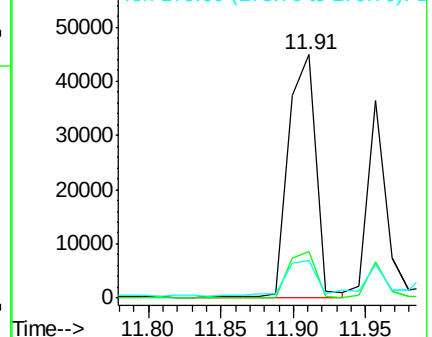
179 15.4 12.2 18.2

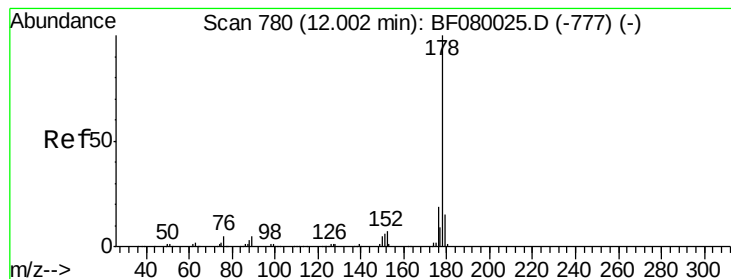


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.16 ng

RT: 11.96 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

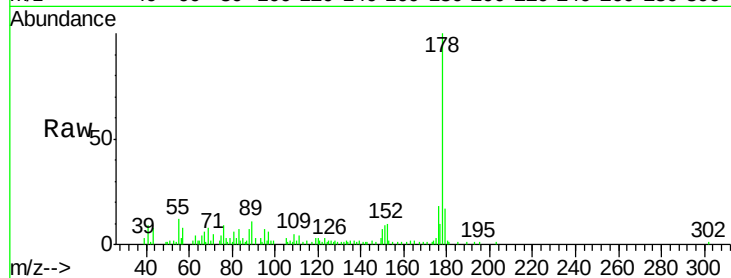
Tgt Ion:178 Resp: 32256

Ion Ratio Lower Upper

178 100

176 18.5 14.1 21.1

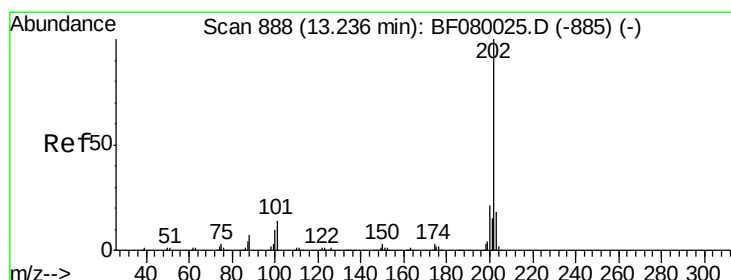
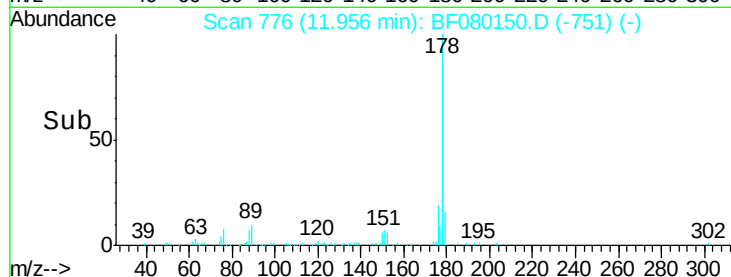
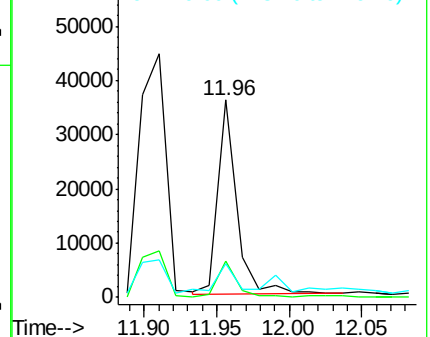
179 17.1 12.2 18.2



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: 6.69 ng

RT: 13.16 min Scan# 881

Delta R.T. -0.05 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

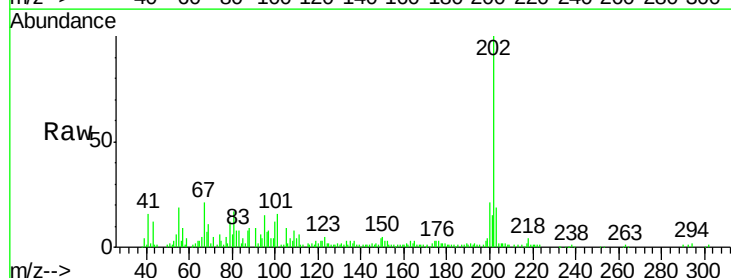
Tgt Ion:202 Resp: 110468

Ion Ratio Lower Upper

202 100

101 16.3 0.0 38.3

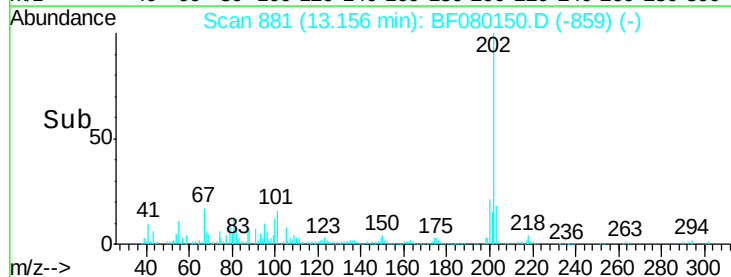
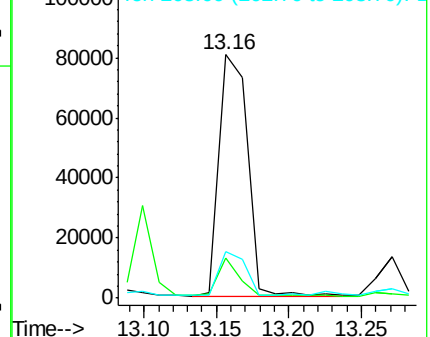
203 19.2 0.0 37.3

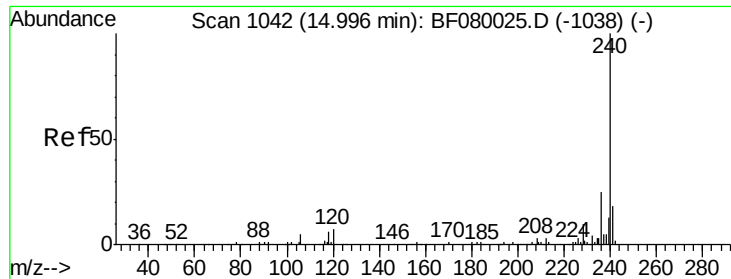


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.83 min Scan# 1027

Delta R.T. -0.10 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

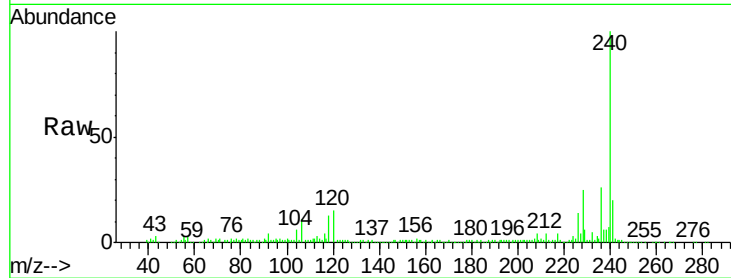
Tgt Ion:240 Resp: 268254

Ion Ratio Lower Upper

240 100

120 14.9 16.2 24.2#

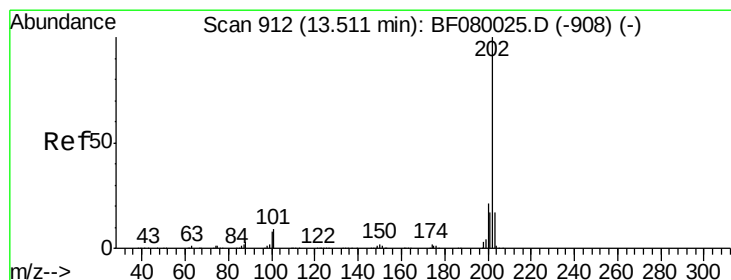
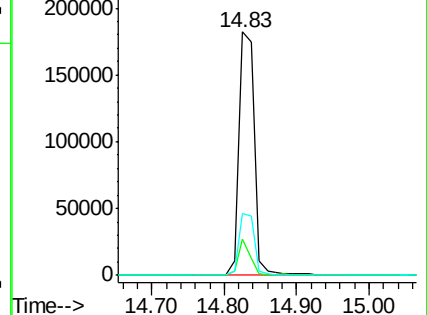
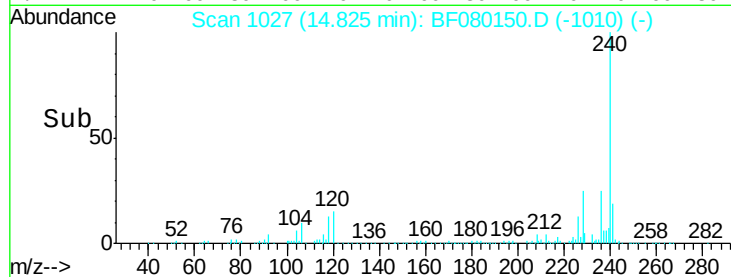
236 25.6 18.4 27.6



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: 8.10 ng

RT: 13.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

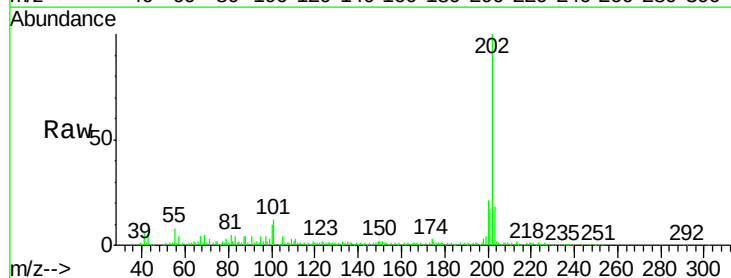
Tgt Ion:202 Resp: 133748

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

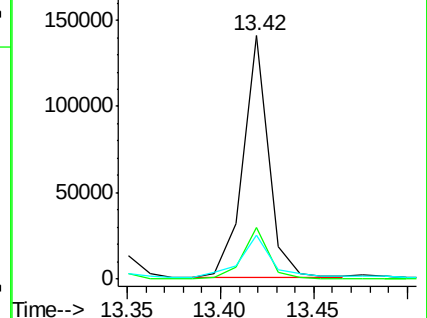
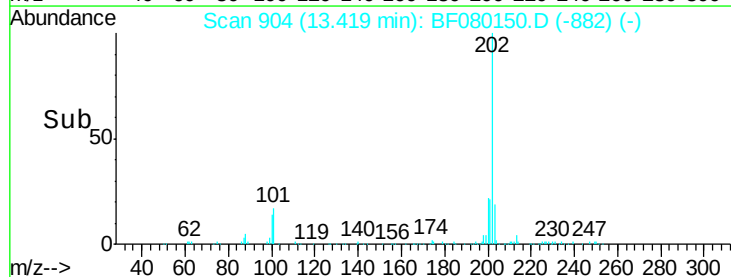
203 18.2 14.1 21.1

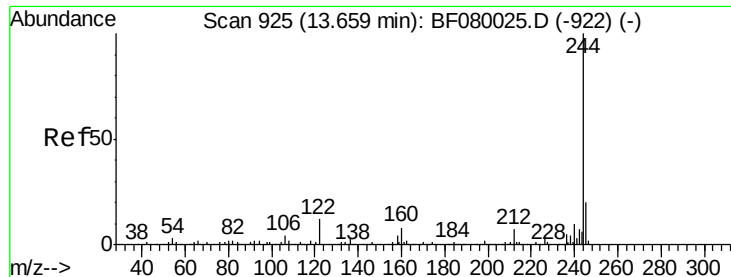


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.41 ng

RT: 13.57 min Scan# 917

Delta R.T. -0.05 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

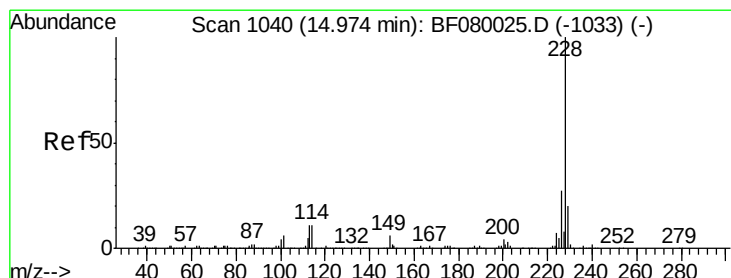
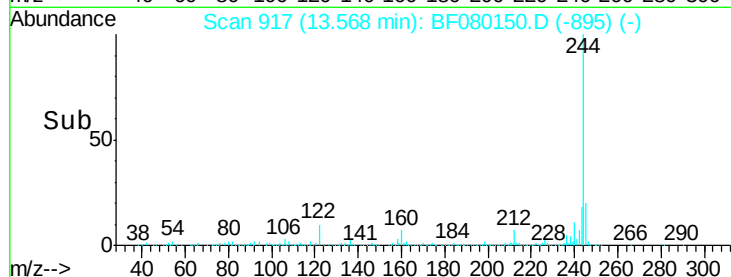
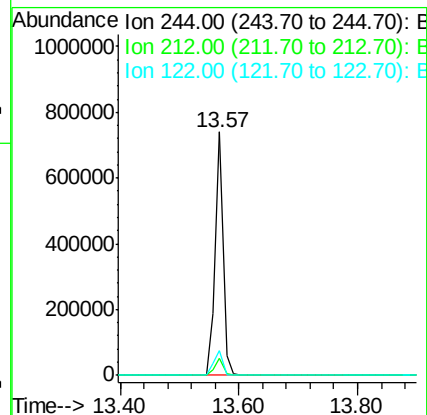
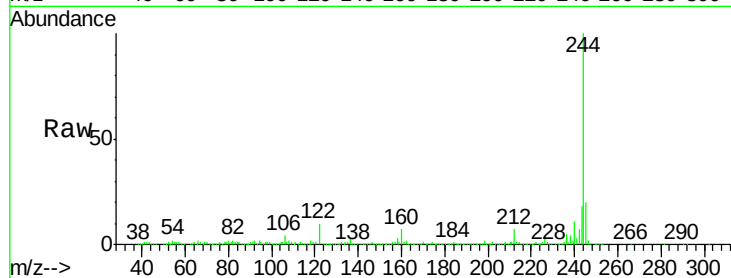
Tgt Ion:244 Resp: 693907

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

122 10.4 17.4 26.2#



#80

Benzo(a)anthracene

Concen: 6.06 ng

RT: 14.81 min Scan# 1026

Delta R.T. -0.10 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

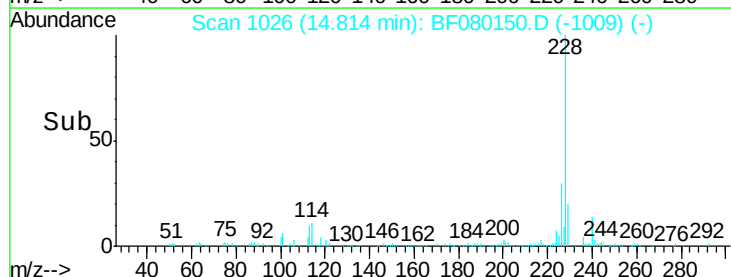
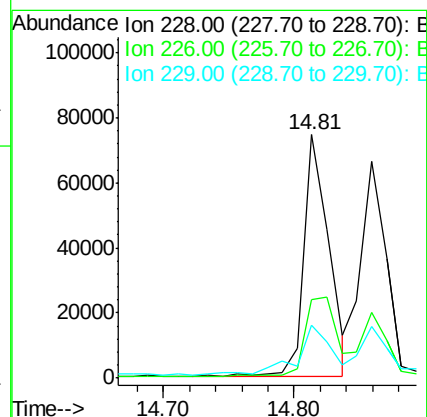
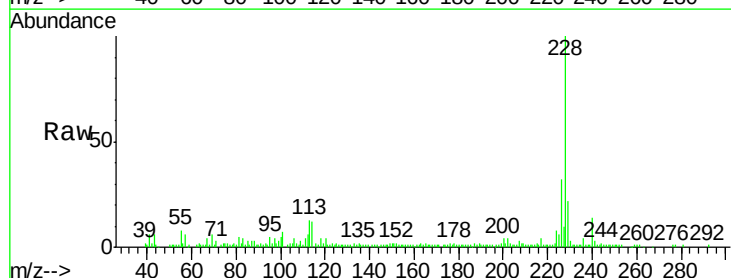
Tgt Ion:228 Resp: 98982

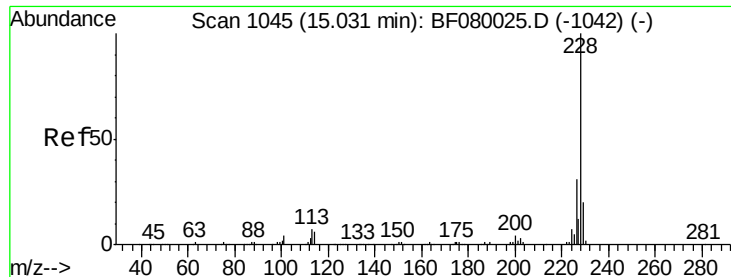
Ion Ratio Lower Upper

228 100

226 32.2 20.0 30.0#

229 21.6 15.4 23.2





#82

Chrysene

Concen: 6.04 ng

RT: 14.86 min Scan# 1030

Delta R.T. -0.10 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

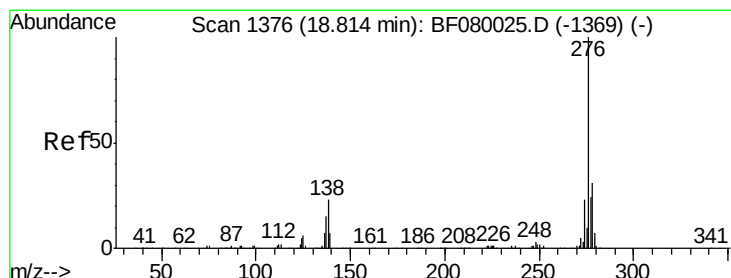
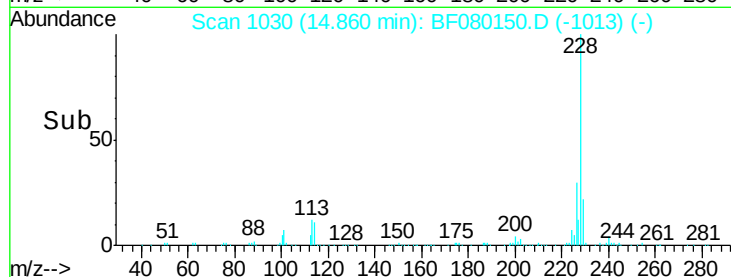
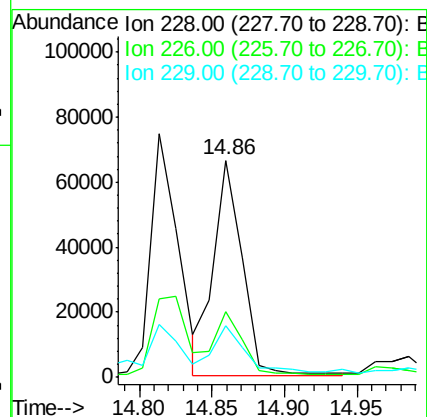
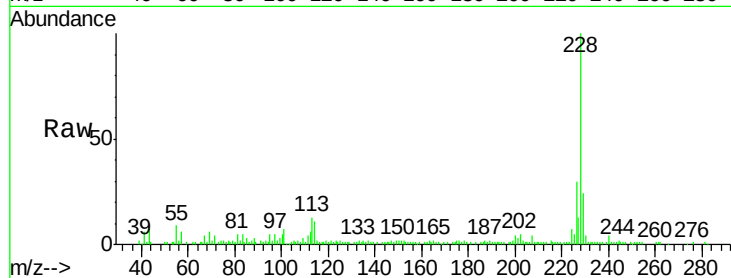
Tgt Ion:228 Resp: 91028

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

229 23.8 15.6 23.4#



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.41 ng

RT: 18.54 min Scan# 1352

Delta R.T. -0.15 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

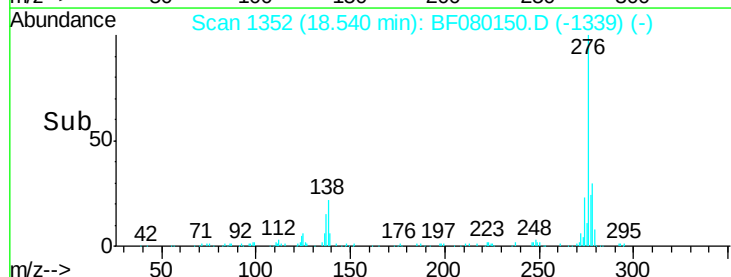
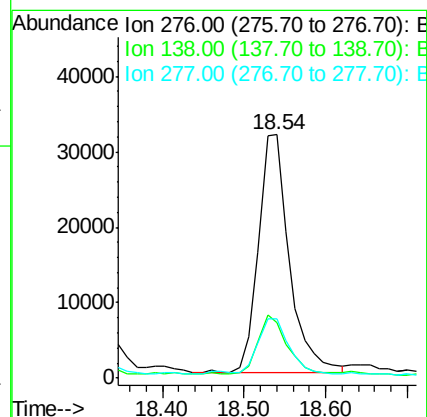
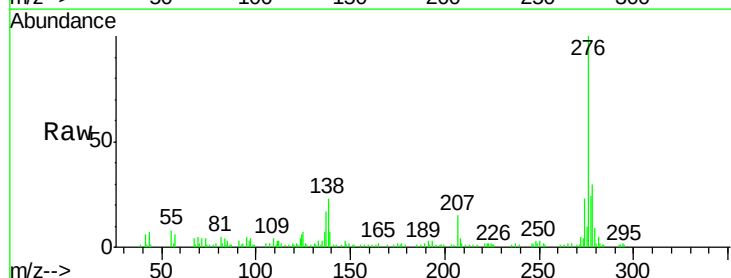
Tgt Ion:276 Resp: 83742

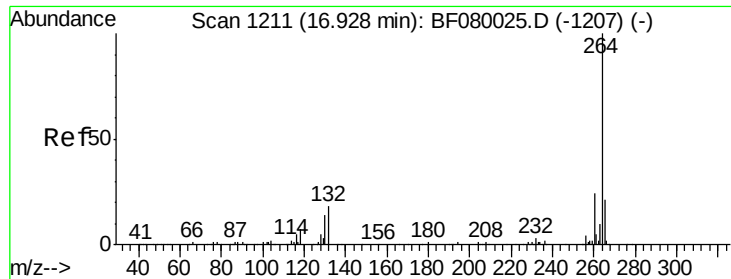
Ion Ratio Lower Upper

276 100

138 23.8 25.7 38.5#

277 24.3 15.6 23.4#

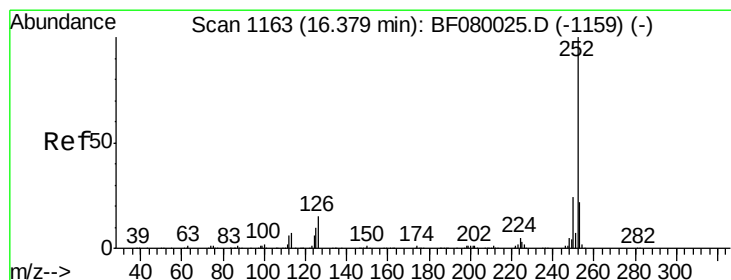
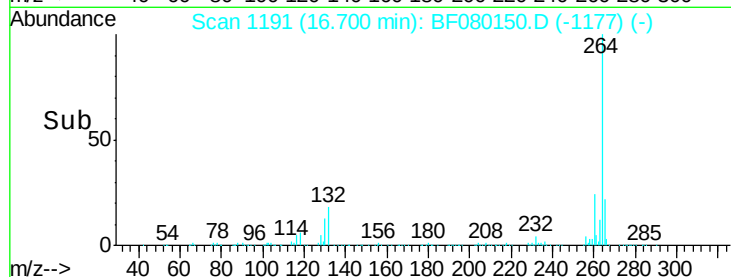
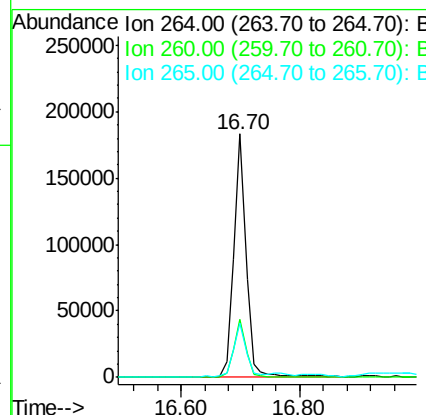
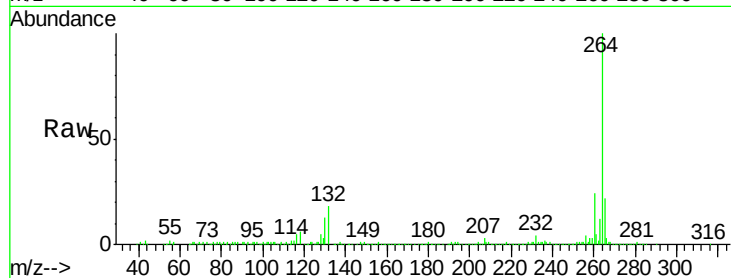




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.70 min Scan# 1191
Delta R.T. -0.14 min
Lab File: BF080150.D
Acq: 25 Jun 2015 2:08

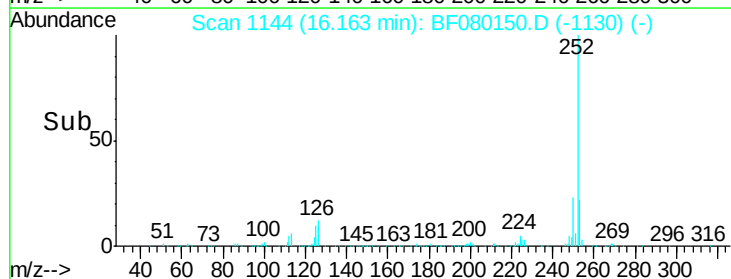
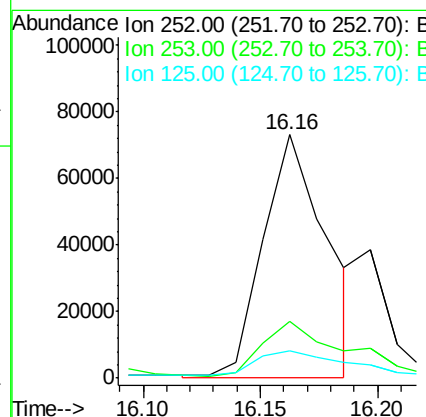
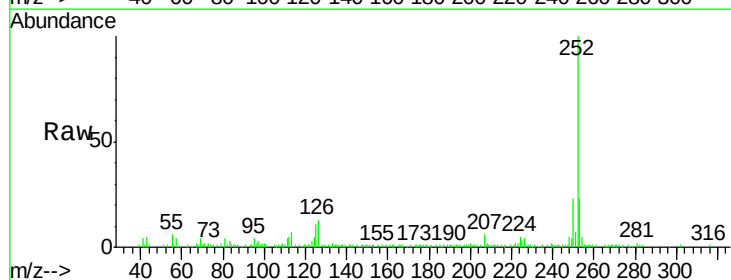
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)

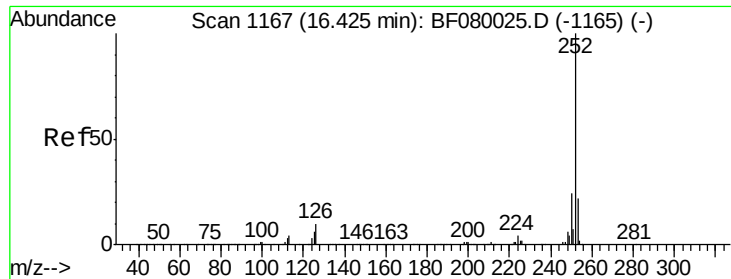
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.7	25.1
265	22.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 8.56 ng m
RT: 16.16 min Scan# 1144
Delta R.T. -0.14 min
Lab File: BF080150.D
Acq: 25 Jun 2015 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.0	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 2.23 ng m

RT: 16.20 min Scan# 1147

Delta R.T. -0.14 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

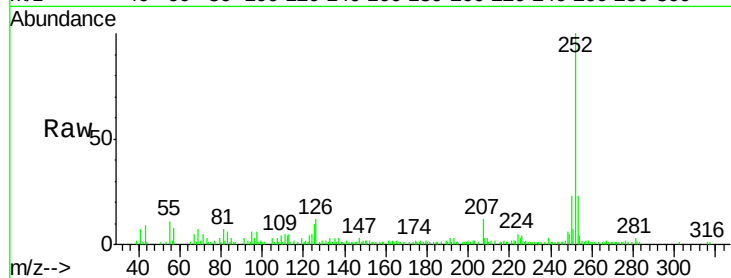
Tgt Ion:252 Resp: 36700

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

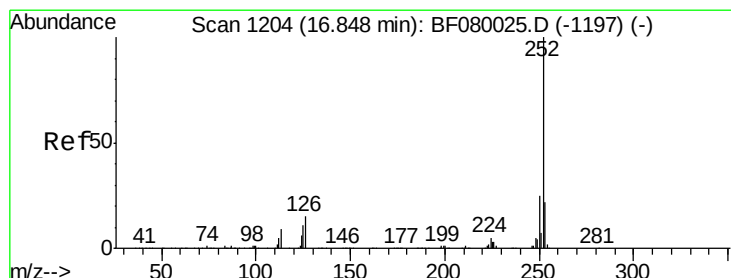
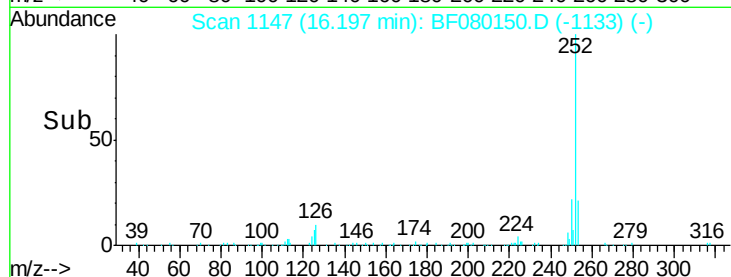
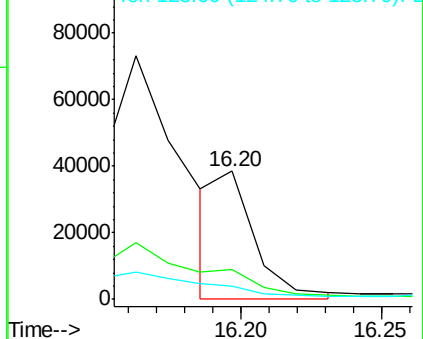
125 10.0 16.0 24.0#



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: 6.94 ng m

RT: 16.62 min Scan# 1184

Delta R.T. -0.14 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

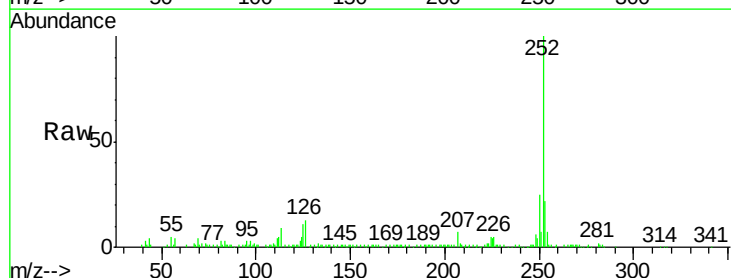
Tgt Ion:252 Resp: 106429

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

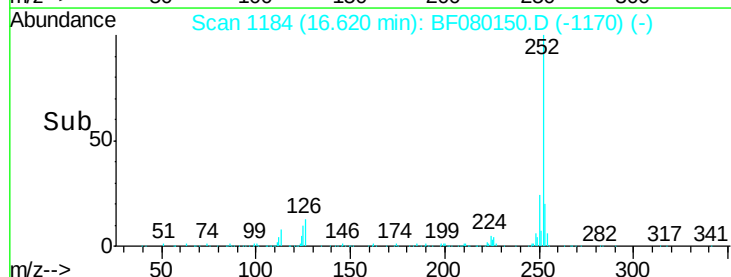
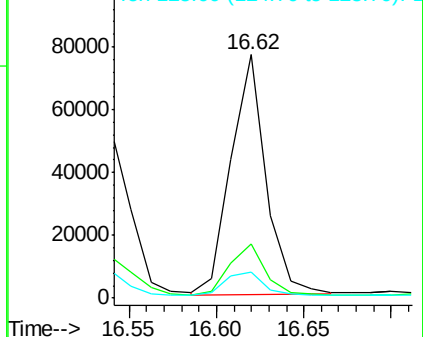
125 10.9 18.0 27.0#

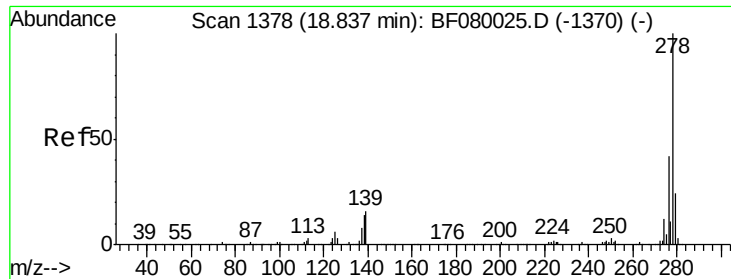


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.17 ng

RT: 18.55 min Scan# 1353

Delta R.T. -0.16 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)

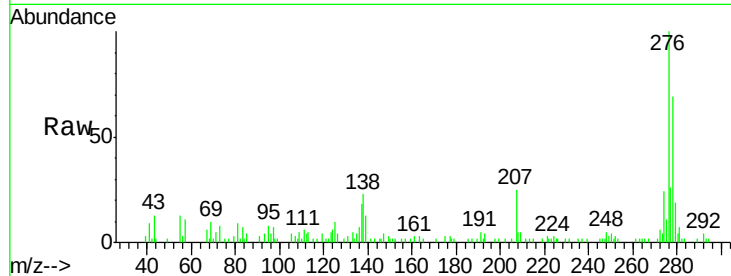
Tgt Ion: 278 Resp: 34111

Ion Ratio Lower Upper

278 100

139 19.3 26.3 39.5#

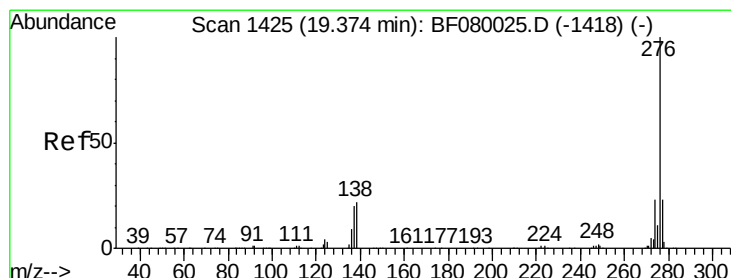
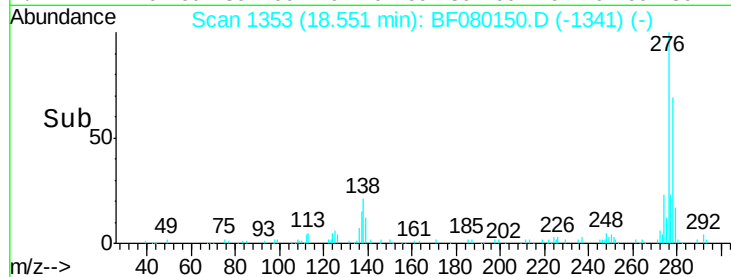
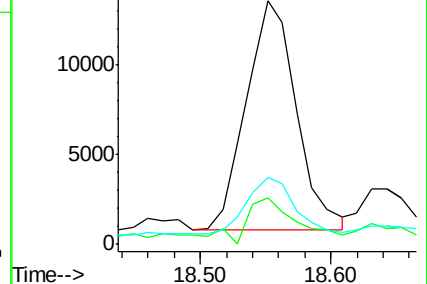
279 27.4 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.37 ng

RT: 19.09 min Scan# 1400

Delta R.T. -0.16 min

Lab File: BF080150.D

Acq: 25 Jun 2015 2:08

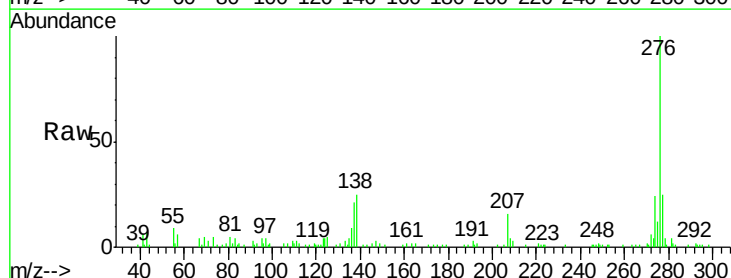
Tgt Ion: 276 Resp: 85189

Ion Ratio Lower Upper

276 100

277 24.9 17.8 26.6

138 24.8 34.6 51.8#



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

