

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062415\
 Data File : BF080149.D
 Acq On : 25 Jun 2015 1:39
 Operator : TP/IZ
 Sample : G2747-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(8-10)

Quant Time: Jun 25 04:32:42 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	46265	20.00	ng	0.00
21) Naphthalene-d8	8.61	136	171445	20.00	ng	0.00
38) Acenaphthene-d10	10.38	164	86981	20.00	ng	0.00
63) Phenanthrene-d10	11.88	188	180577	20.00	ng	-0.01
75) Chrysene-d12	14.77	240	184799	20.00	ng	-0.16
86) Perylene-d12	16.60	264	190848	20.00	ng	-0.24

System Monitoring Compounds						
5) 2-Fluorophenol	5.92	112	291875	111.68	ng	0.00
7) Phenol-d6	6.92	99	403595	116.04	ng	0.00
23) Nitrobenzene-d5	7.86	82	213465	72.48	ng	-0.01
41) 2,4,6-Tribromophenol	11.17	330	100418	118.06	ng	0.00
44) 2-Fluorobiphenyl	9.68	172	469922	77.05	ng	0.00
78) Terphenyl-d14	13.53	244	539881	68.23	ng	-0.08

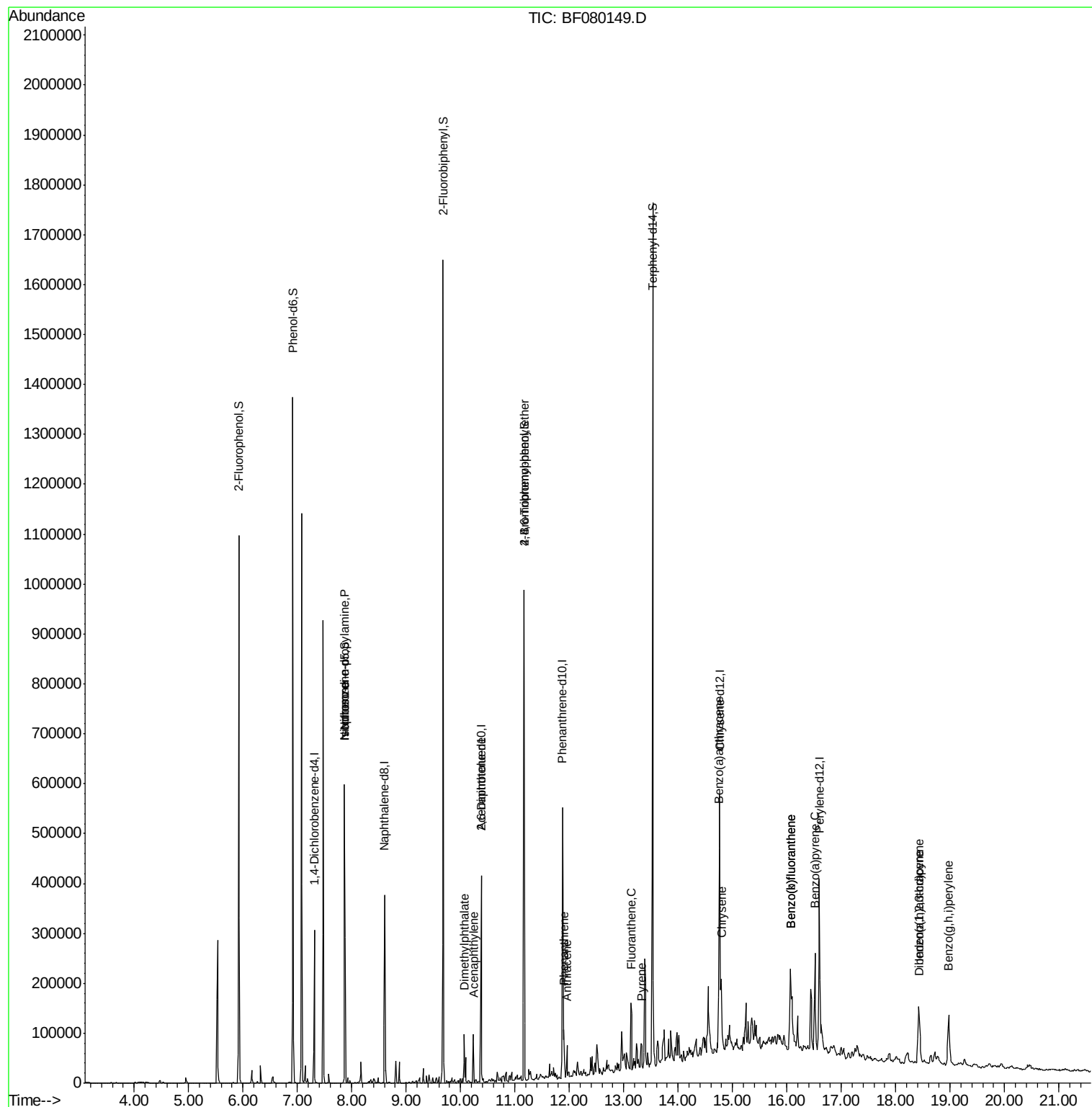
Target Compounds						Qvalue	
19) n-Nitroso-di-n-propylamine	7.86	70	28010	11.60	ng	#	62
25) Isophorone	7.86	82	210996	35.60	ng	#	58
48) Acenaphthylene	10.24	152	60514	6.31	ng		98
49) Dimethylphthalate	10.07	163	42922	6.56	ng	#	97
50) 2,6-Dinitrotoluene	10.38	165	10934	8.34	ng	#	37
66) 4-Bromophenyl-phenylether	11.17	248	7967	4.15	ng	#	1
70) Phenanthrene	11.90	178	32822	3.00	ng		96
71) Anthracene	11.96	178	27509	2.61	ng		98
74) Fluoranthene	13.15	202	72463	6.22	ng		87
77) Pyrene	13.33	202	23428	2.06	ng		93
80) Benzo(a)anthracene	14.76	228	84328	7.49	ng	#	68
82) Chrysene	14.80	228	76587	7.38	ng	#	93
85) Indeno(1,2,3-cd)pyrene	18.43	276	92591	7.07	ng	#	87
87) Benzo(b)fluoranthene	16.07	252	161628	13.99	ng	#	90
88) Benzo(k)fluoranthene	16.07	252	161628	13.74	ng	#	91
89) Benzo(a)pyrene	16.52	252	103801	9.46	ng	#	87
90) Dibenzo(a,h)anthracene	18.44	278	40224	3.58	ng	#	80
91) Benzo(g,h,i)perylene	18.97	276	100818	8.89	ng	#	77

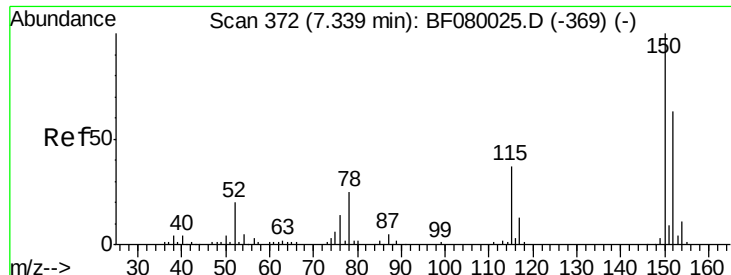
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

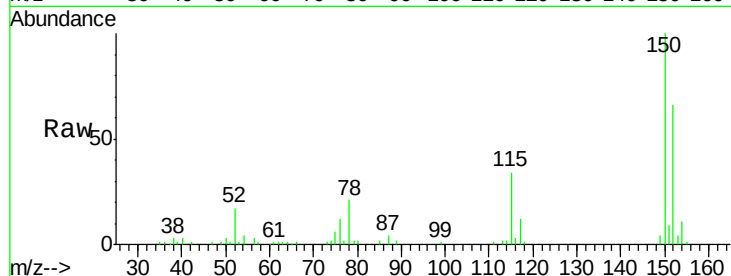
Tgt Ion:152 Resp: 46265

Ion Ratio Lower Upper

152 100

150 150.9 124.7 187.1

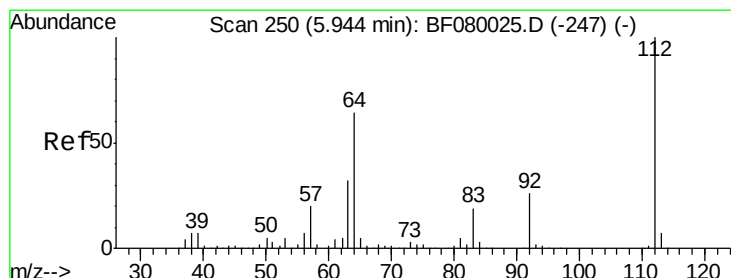
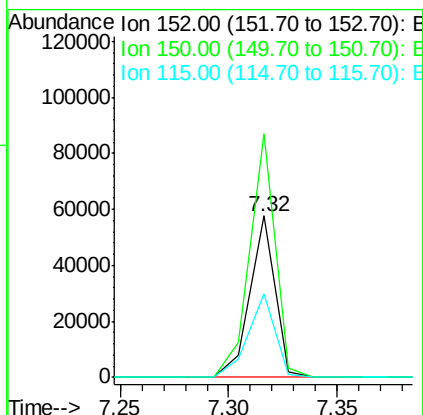
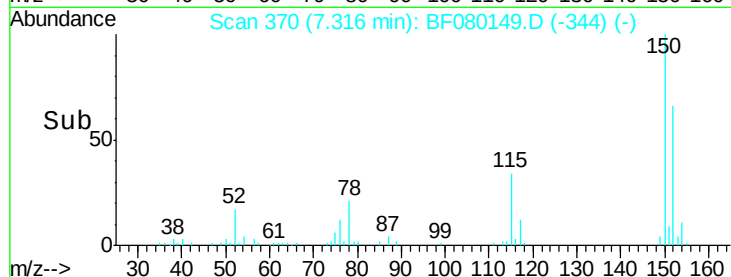
115 51.9 39.0 58.4



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: 111.68 ng

RT: 5.92 min Scan# 248

Delta R.T. 0.00 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

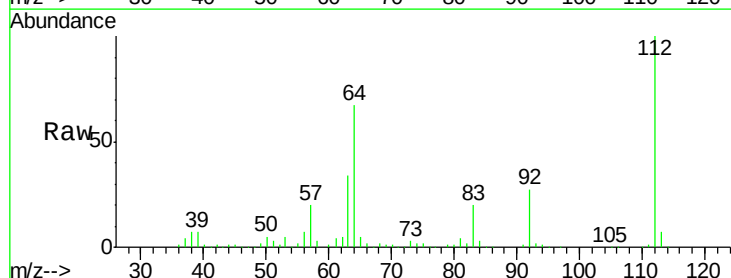
Tgt Ion:112 Resp: 291875

Ion Ratio Lower Upper

112 100

64 67.4 39.7 59.5#

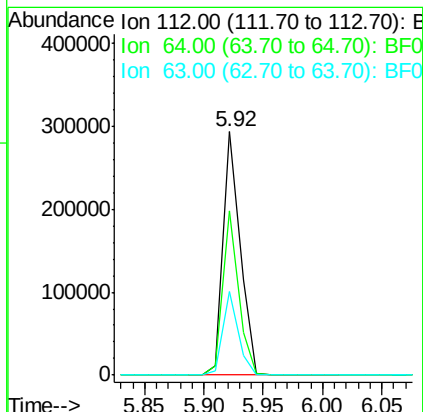
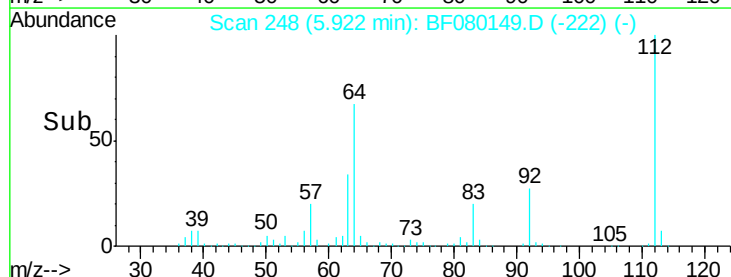
63 34.2 17.4 26.0#

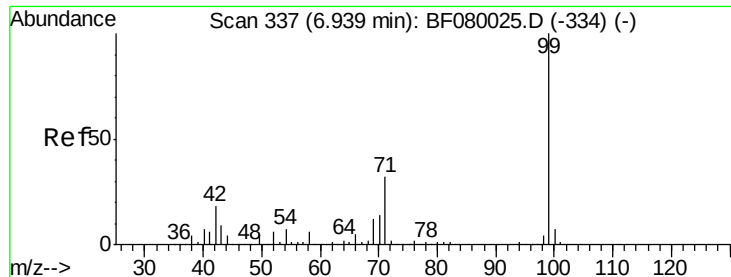


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.04 ng

RT: 6.92 min Scan# 335

Delta R.T. 0.00 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

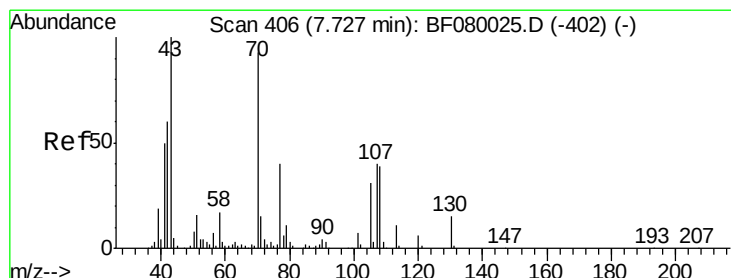
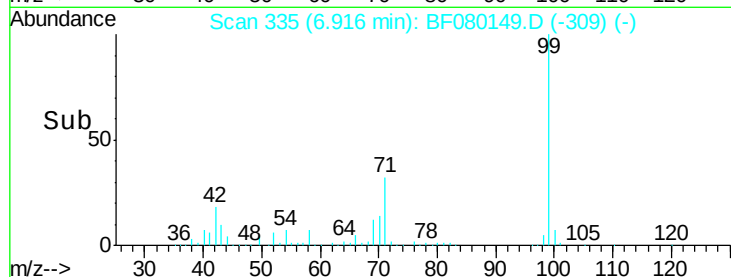
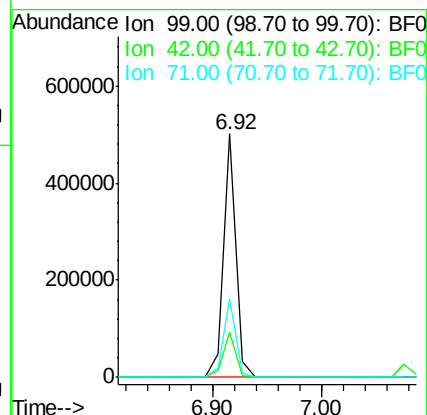
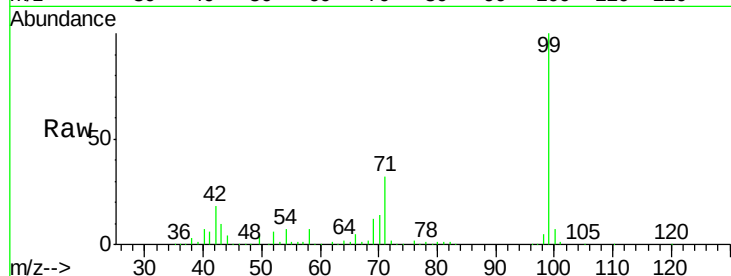
Tgt Ion: 99 Resp: 403595

Ion Ratio Lower Upper

99 100

42 18.4 13.7 20.5

71 32.5 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.60 ng

RT: 7.86 min Scan# 418

Delta R.T. 0.16 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Tgt Ion: 70 Resp: 28010

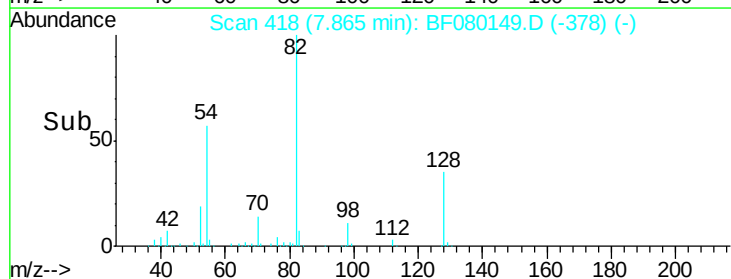
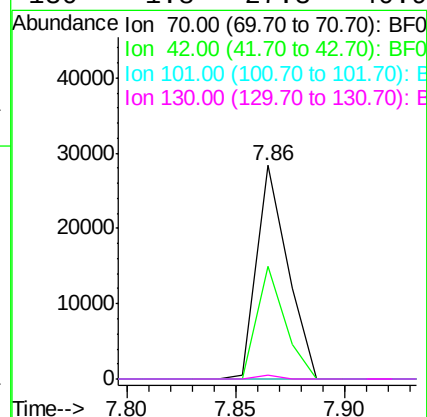
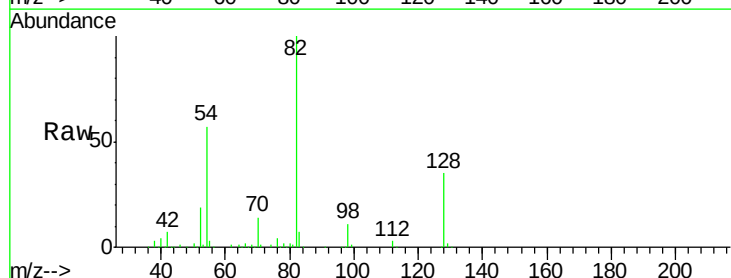
Ion Ratio Lower Upper

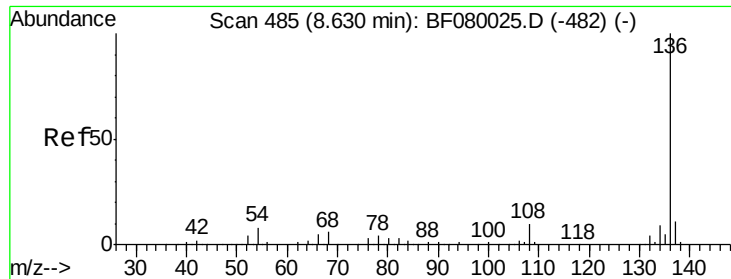
70 100

42 52.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

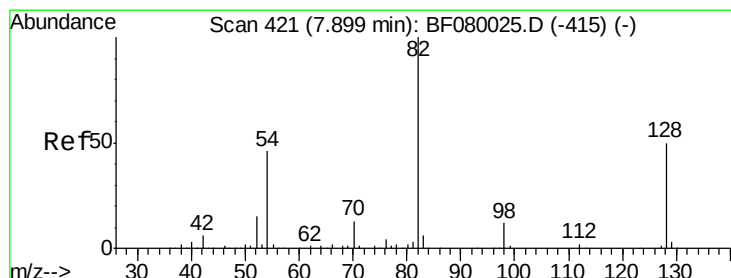
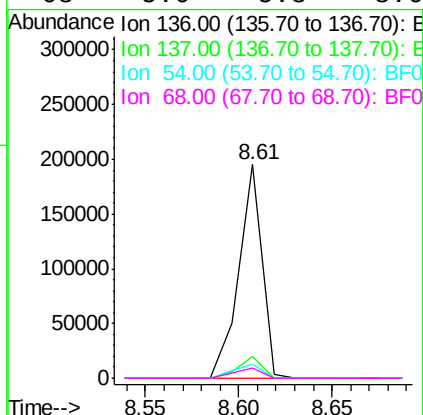
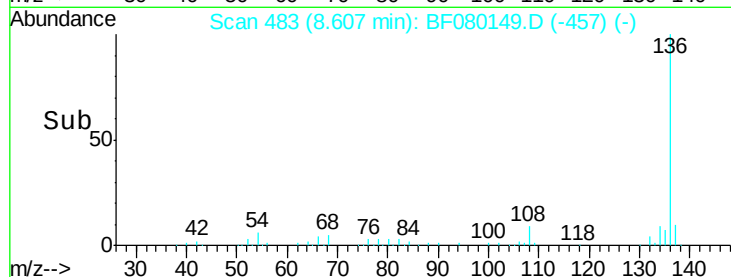
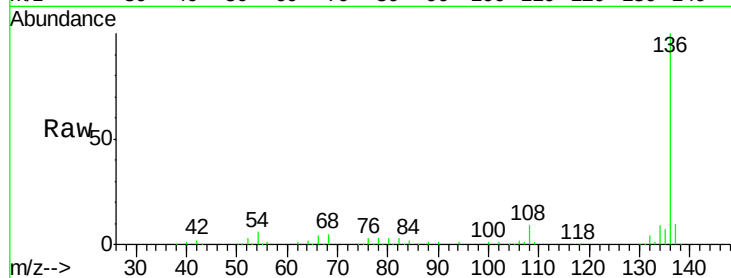




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.61 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

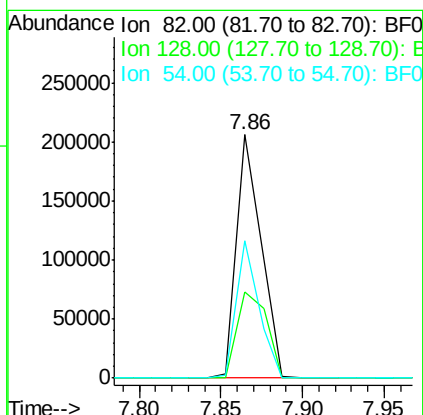
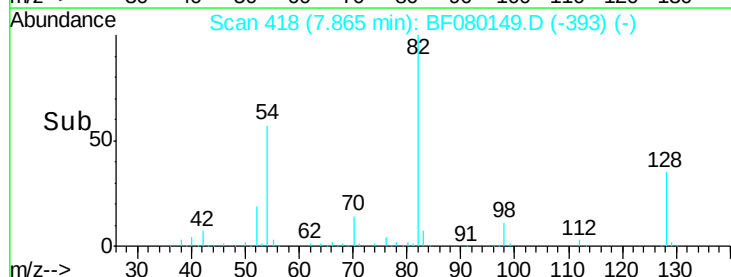
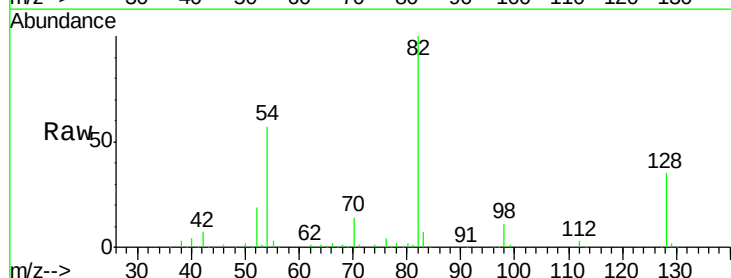
Instrument :
BNA_F
ClientSampleId :
SB-76(8-10)

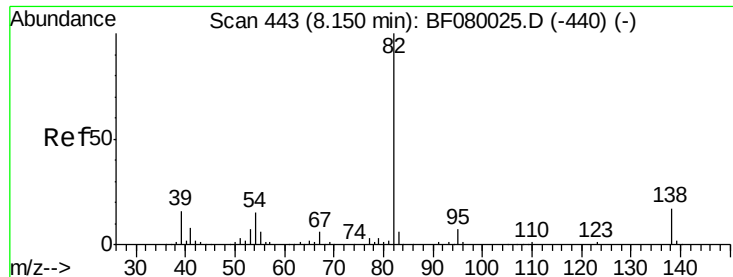
Tgt Ion:	136	Resp:	171445
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.6
54	6.4	8.2	12.2#
68	5.0	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 72.48 ng
RT: 7.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

Tgt Ion:	82	Resp:	213465
Ion Ratio	Lower	Upper	
82	100		
128	35.3	51.0	76.6#
54	56.6	47.5	71.3





#25

Isophorone

Concen: 35.60 ng

RT: 7.86 min Scan# 418

Delta R.T. -0.26 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampled :

SB-76(8-10)

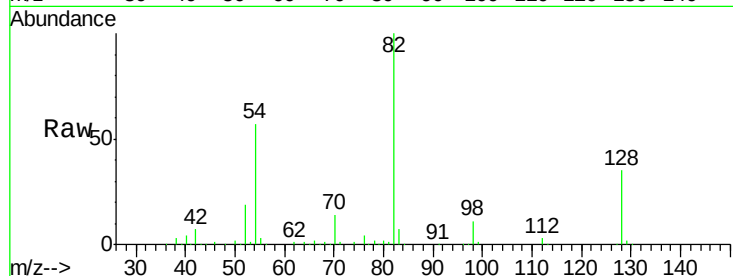
Tgt Ion: 82 Resp: 210996

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

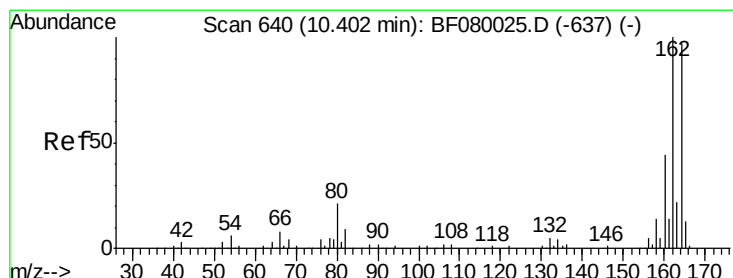
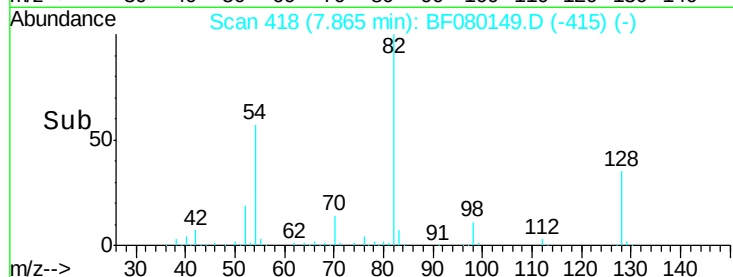
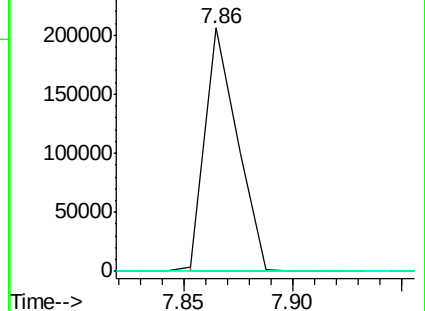
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.38 min Scan# 638

Delta R.T. 0.00 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

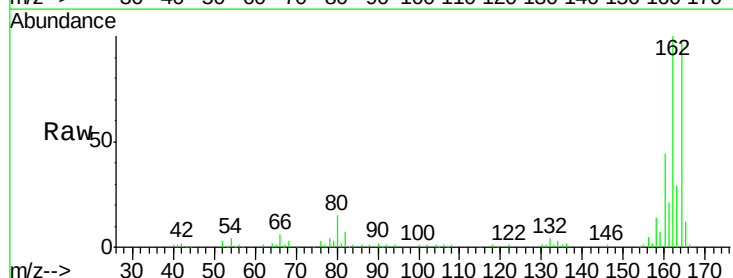
Tgt Ion: 164 Resp: 86981

Ion Ratio Lower Upper

164 100

162 102.7 75.2 112.8

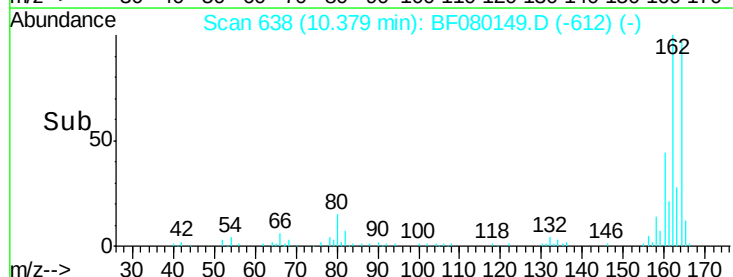
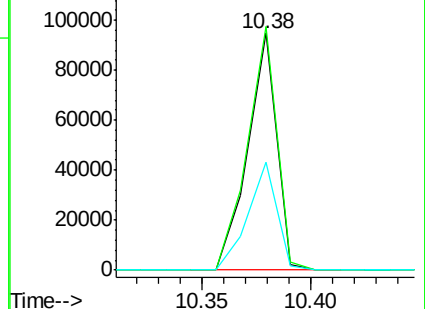
160 45.5 31.5 47.3

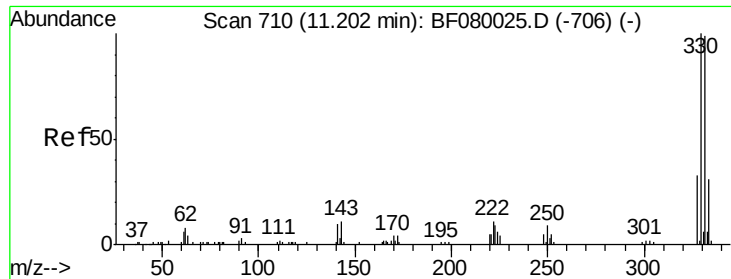


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

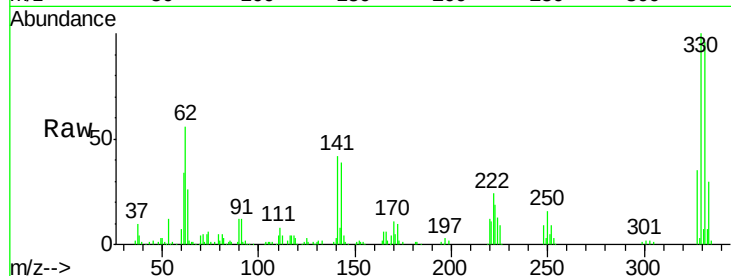




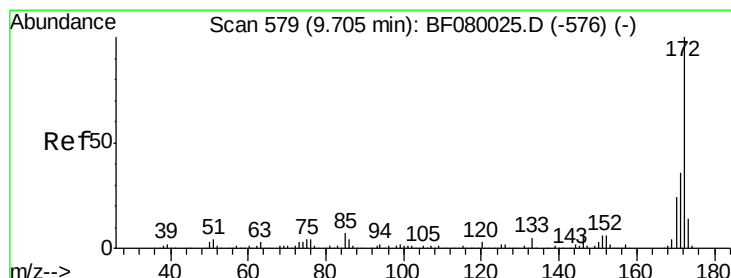
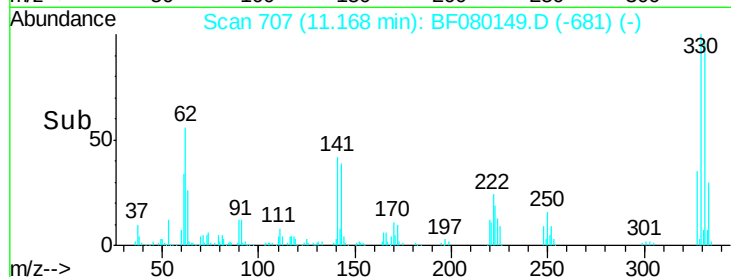
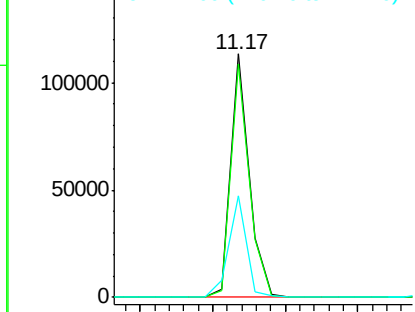
#41
 2,4,6-Tribromophenol
 Concen: 118.06 ng
 RT: 11.17 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(8-10)

Tgt Ion: 330 Resp: 100418
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 40.5 29.7 44.5

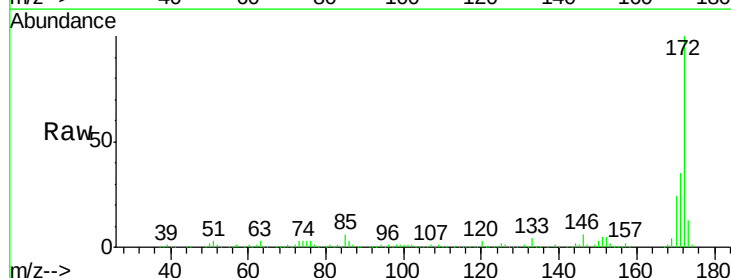


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

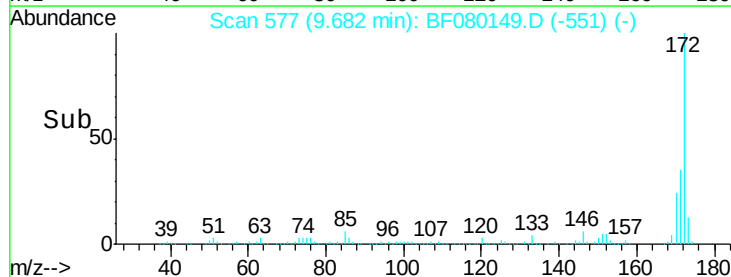
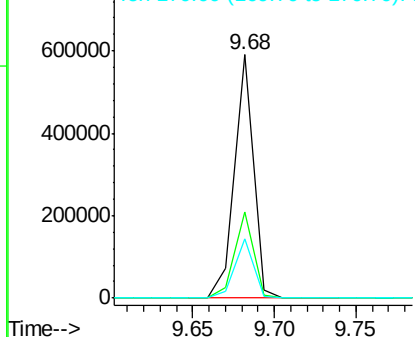


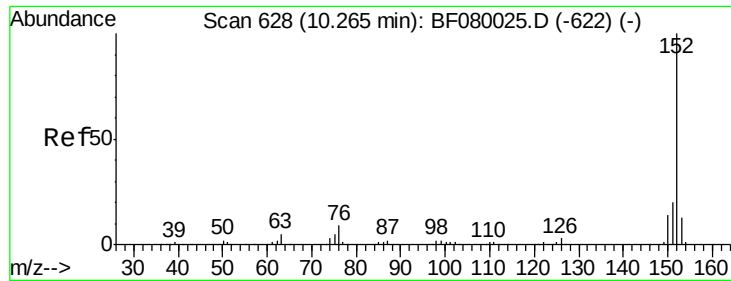
#44
 2-Fluorobiphenyl
 Concen: 77.05 ng
 RT: 9.68 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Tgt Ion: 172 Resp: 469922
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 24.2 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: 6.31 ng

RT: 10.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

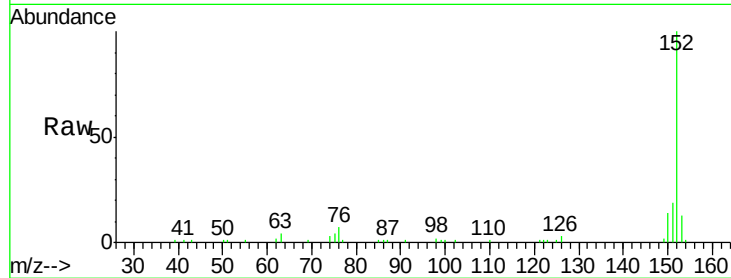
Tgt Ion:152 Resp: 60514

Ion Ratio Lower Upper

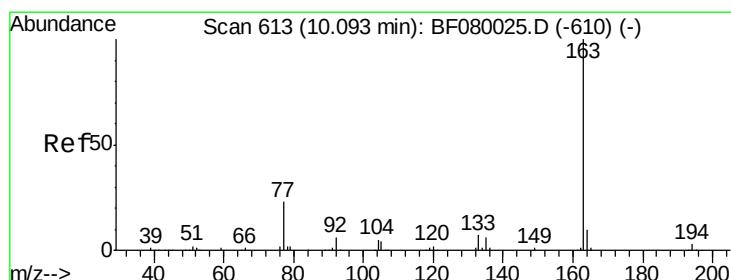
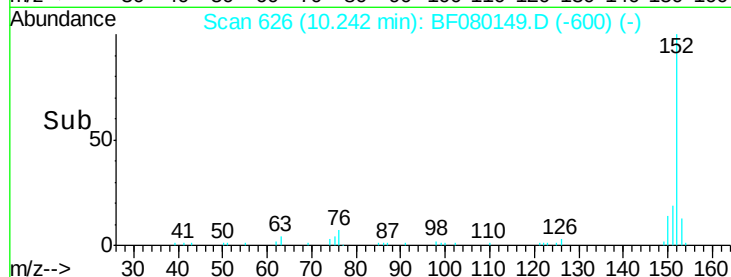
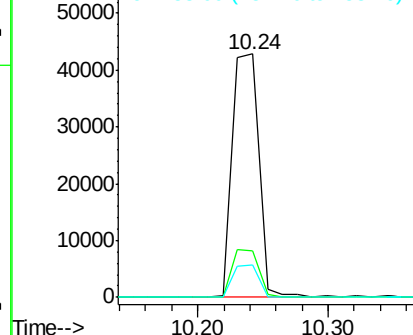
152 100

151 19.2 14.6 22.0

153 13.3 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: 6.56 ng

RT: 10.07 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

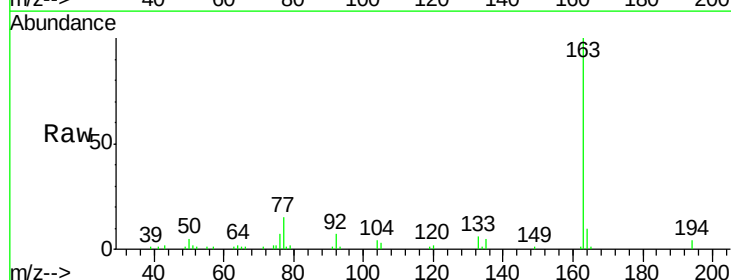
Tgt Ion:163 Resp: 42922

Ion Ratio Lower Upper

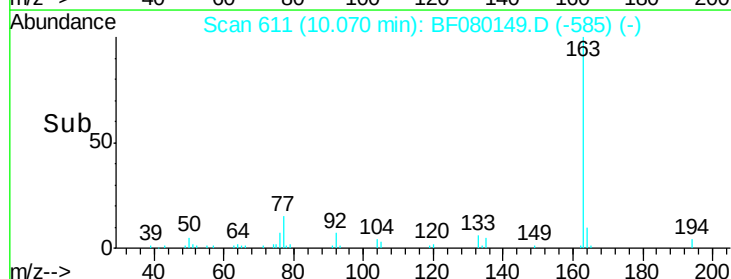
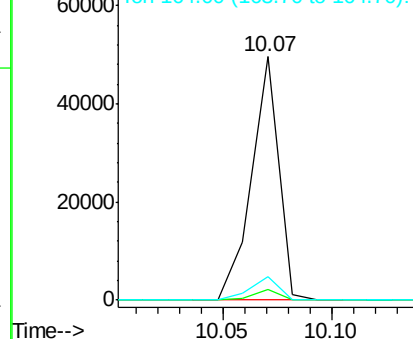
163 100

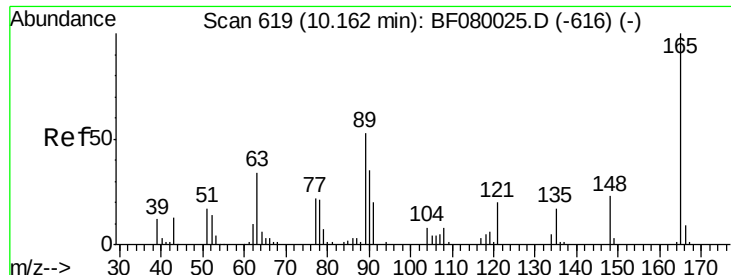
194 4.3 4.4 6.6#

164 9.6 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

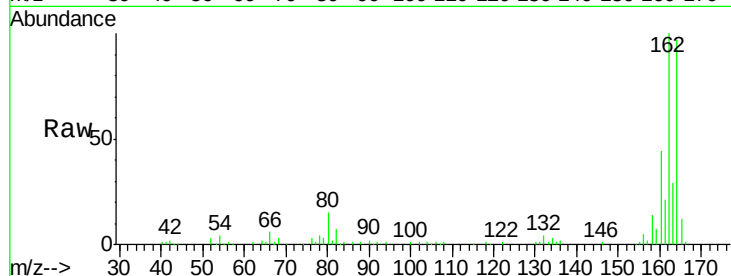




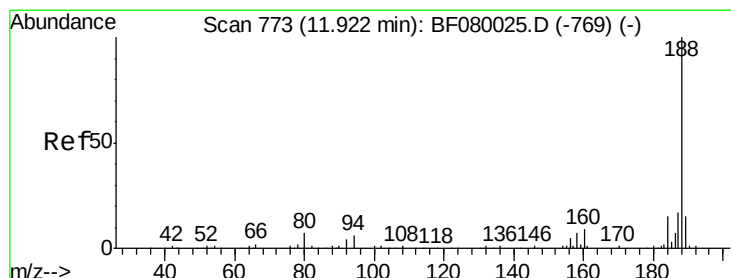
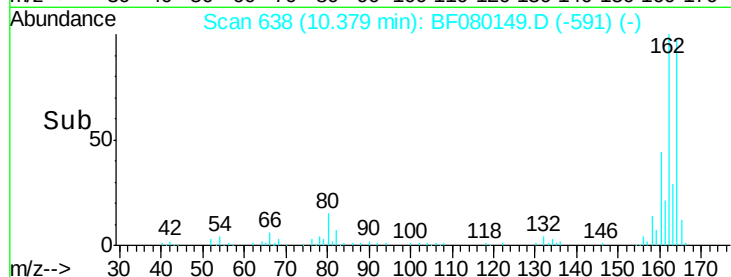
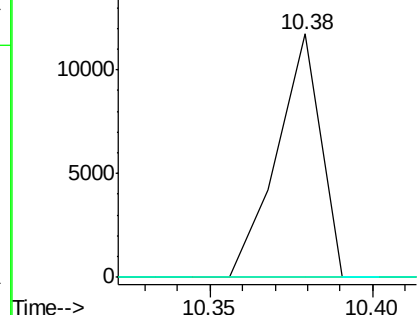
#50
 2,6-Dinitrotoluene
 Concen: 8.34 ng
 RT: 10.38 min Scan# 638
 Delta R.T. 0.24 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

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 SB-76(8-10)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.3	48.5#
89	0.0	28.6	43.0#

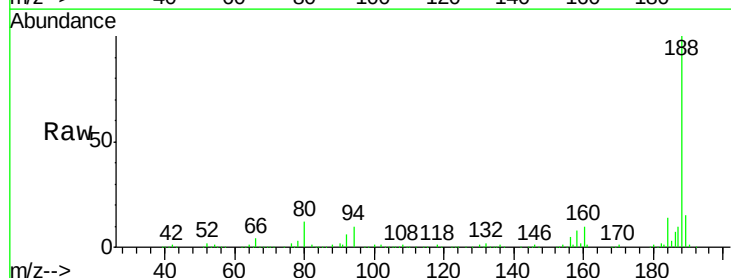


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

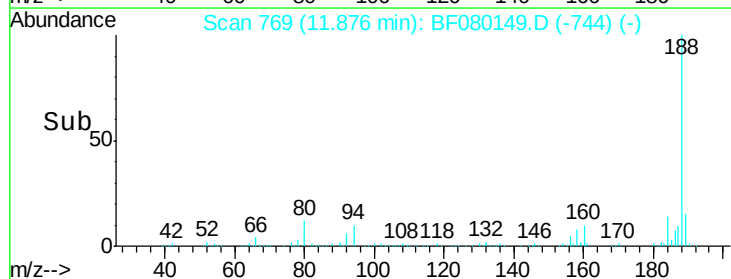
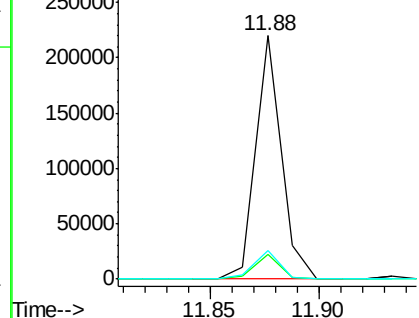


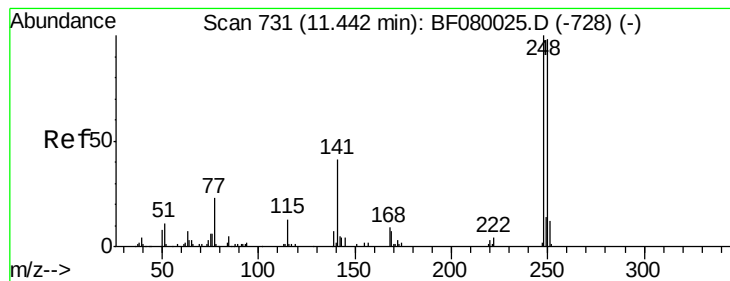
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.88 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	11.1	16.7#
80	11.6	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





#66

4-Bromophenyl-phenylether

Concen: 4.15 ng

RT: 11.17 min Scan# 707

Delta R.T. -0.24 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

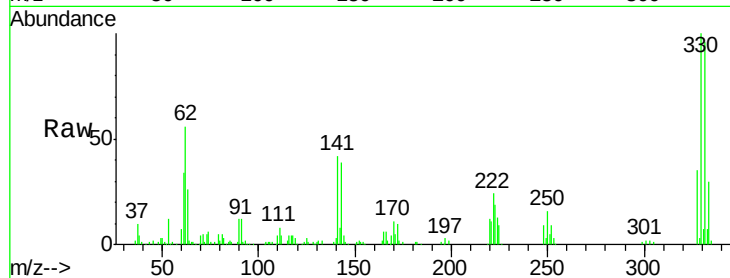
Tgt Ion:248 Resp: 7967

Ion Ratio Lower Upper

248 100

250 186.1 78.5 117.7#

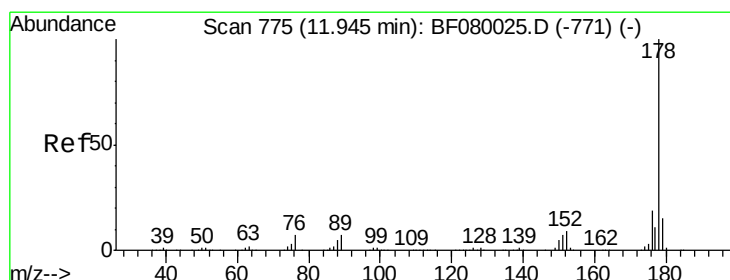
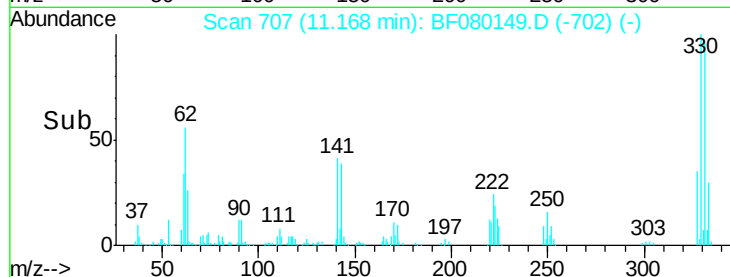
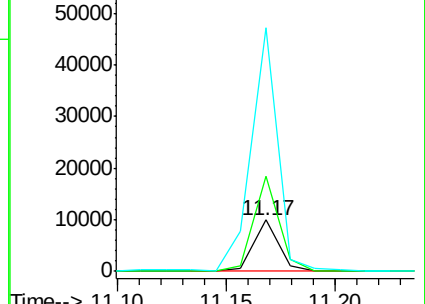
141 473.8 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 3.00 ng

RT: 11.90 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

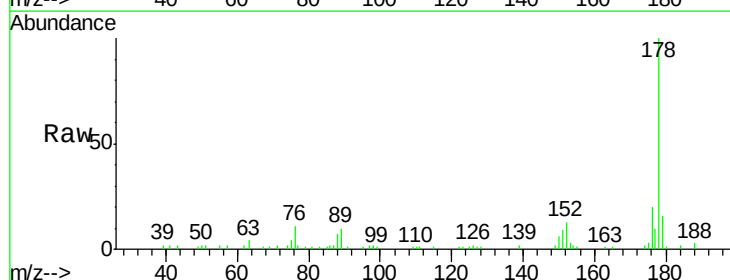
Tgt Ion:178 Resp: 32822

Ion Ratio Lower Upper

178 100

176 20.0 13.8 20.8

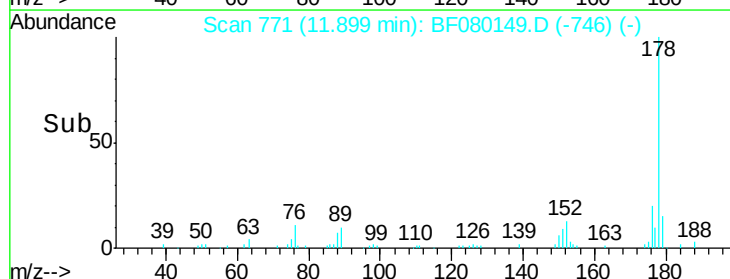
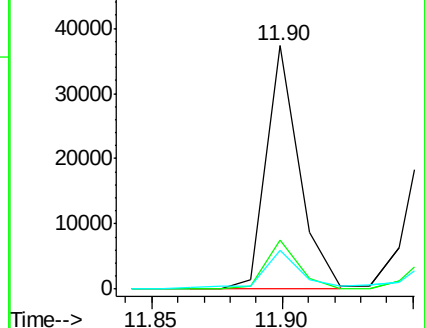
179 15.7 12.2 18.2

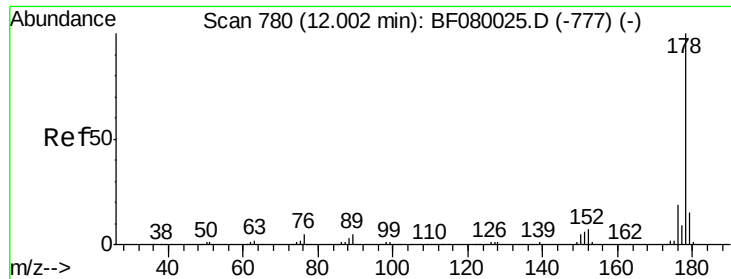


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

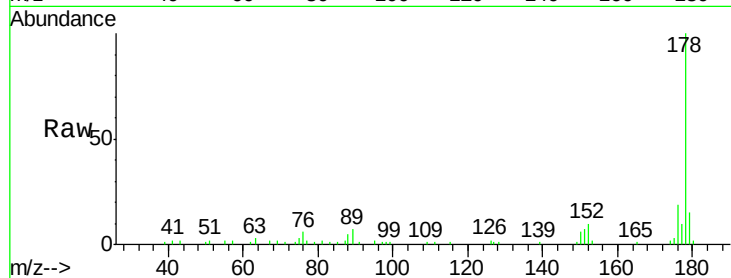




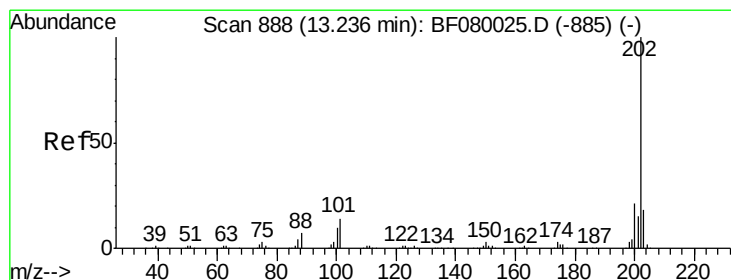
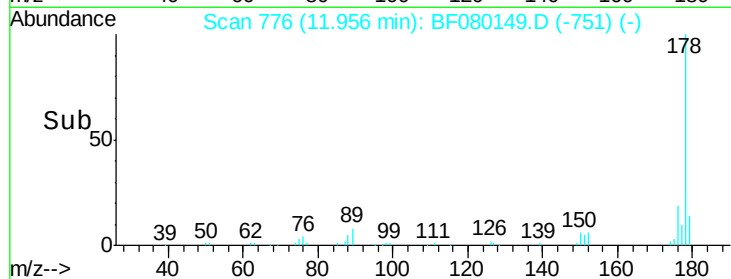
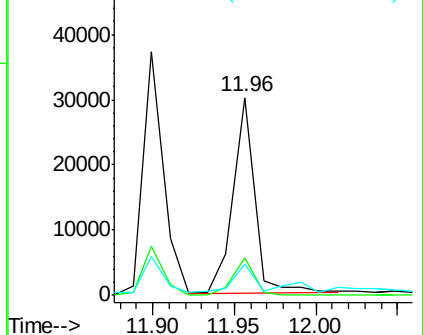
#71
 Anthracene
 Concen: 2.61 ng
 RT: 11.96 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(8-10)

Tgt Ion:178 Resp: 27509
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.1 21.1
 179 15.5 12.2 18.2

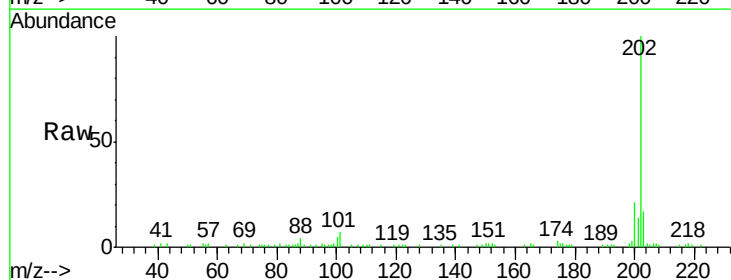


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

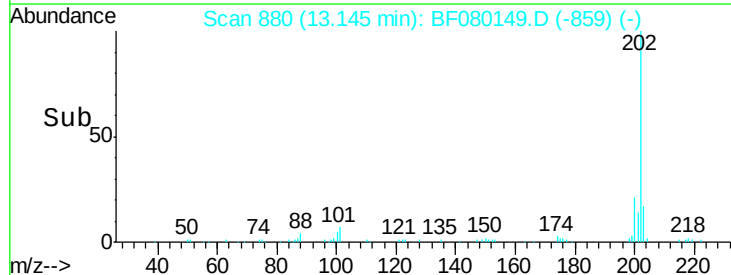
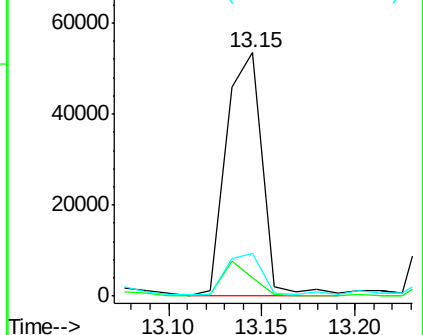


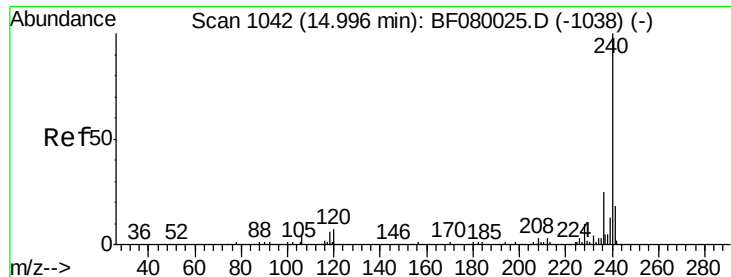
#74
 Fluoranthene
 Concen: 6.22 ng
 RT: 13.15 min Scan# 880
 Delta R.T. -0.06 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Tgt Ion:202 Resp: 72463
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 38.3
 203 17.3 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: 14.77 min Scan# 1022

Delta R.T. -0.16 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

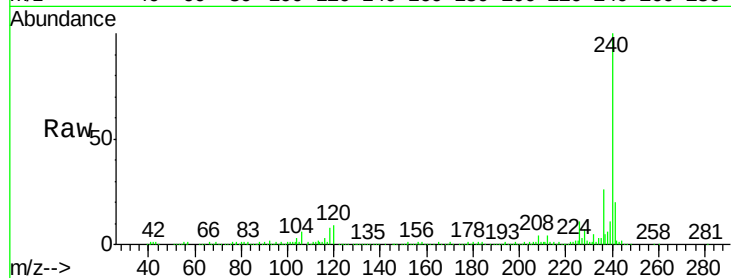
Tgt Ion:240 Resp: 184799

Ion Ratio Lower Upper

240 100

120 9.0 16.2 24.2#

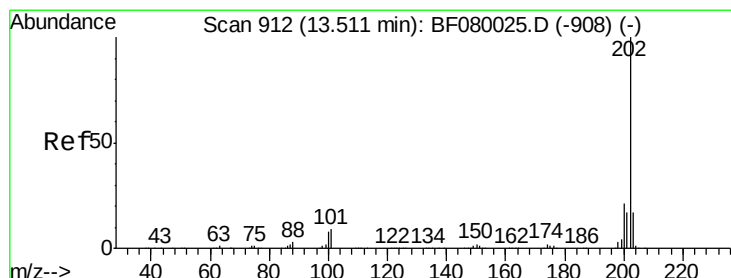
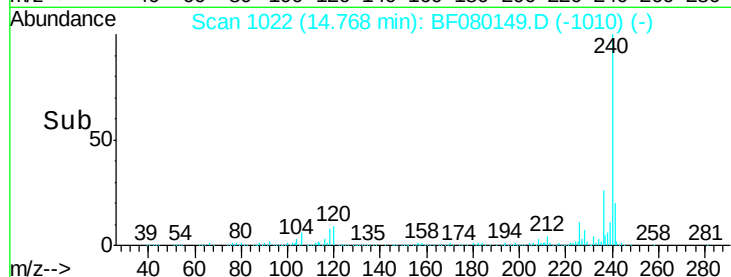
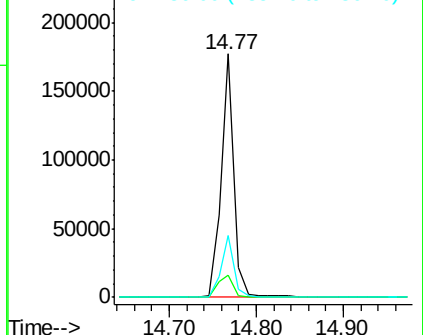
236 25.7 18.4 27.6



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: 2.06 ng

RT: 13.33 min Scan# 896

Delta R.T. -0.14 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

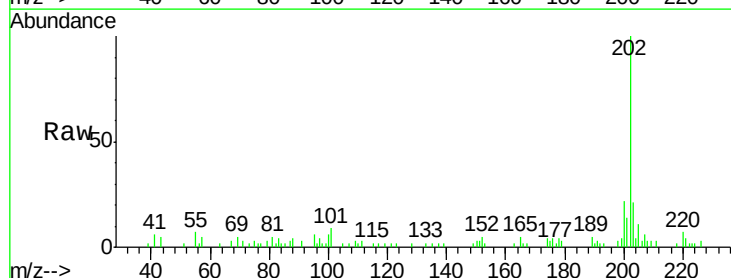
Tgt Ion:202 Resp: 23428

Ion Ratio Lower Upper

202 100

200 21.5 15.0 22.4

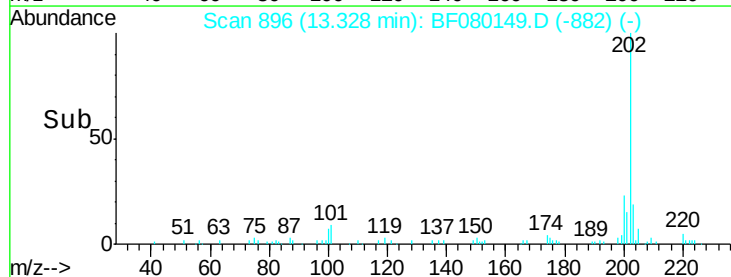
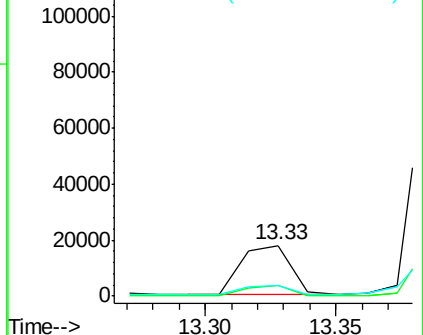
203 20.9 14.1 21.1

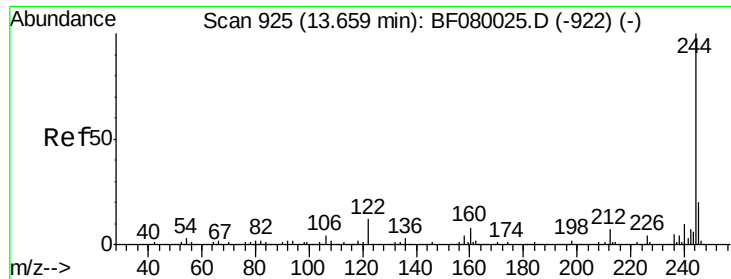


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

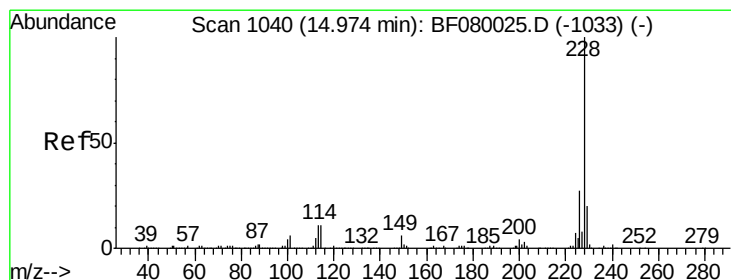
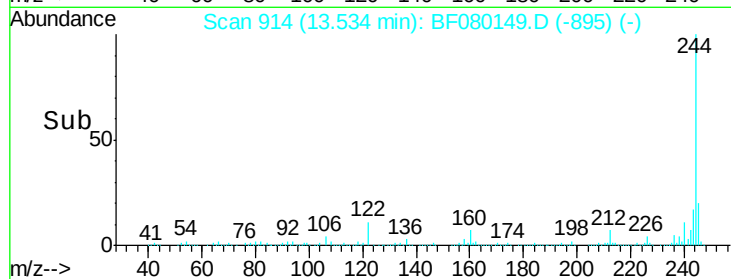
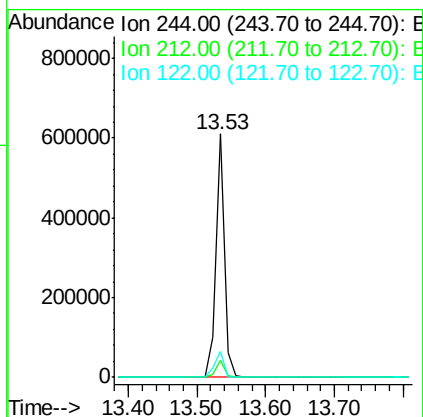
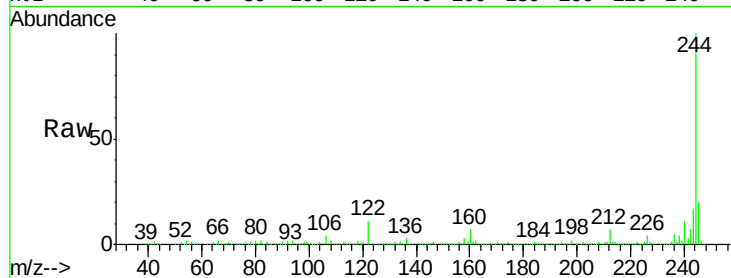




#78
 Terphenyl-d14
 Concen: 68.23 ng
 RT: 13.53 min Scan# 914
 Delta R.T. -0.08 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

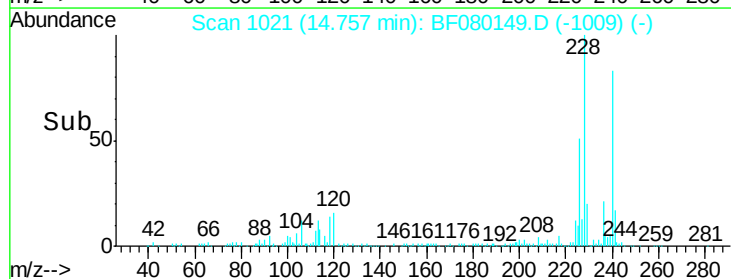
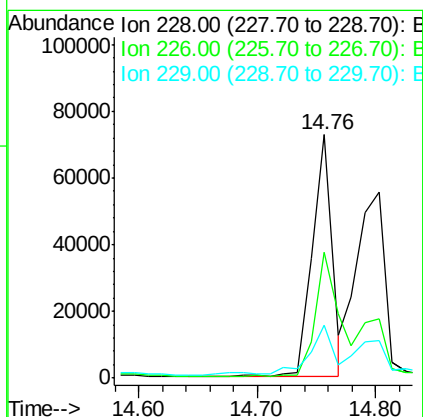
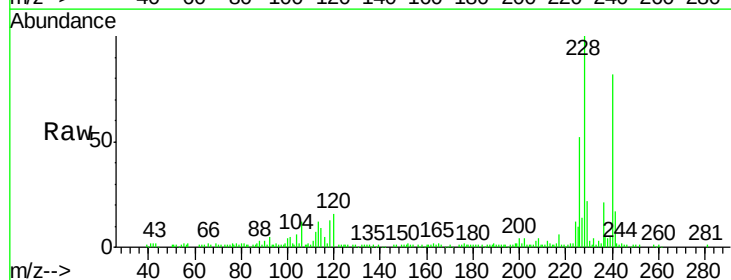
Instrument :
 BNA_F
 ClientSampleId :
 SB-76(8-10)

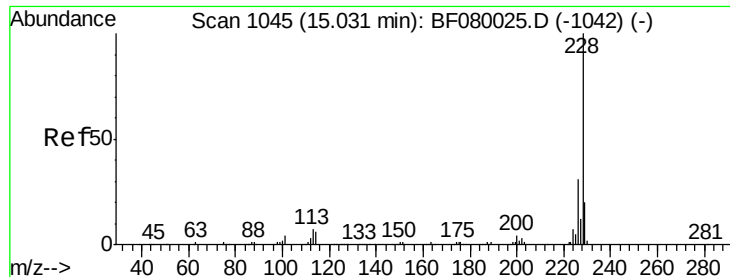
Tgt Ion:244 Resp: 539881
 Ion Ratio Lower Upper
 244 100
 212 7.2 4.3 6.5#
 122 10.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.49 ng
 RT: 14.76 min Scan# 1021
 Delta R.T. -0.16 min
 Lab File: BF080149.D
 Acq: 25 Jun 2015 1:39

Tgt Ion:228 Resp: 84328
 Ion Ratio Lower Upper
 228 100
 226 51.7 20.0 30.0#
 229 21.5 15.4 23.2





#82

Chrysene

Concen: 7.38 ng

RT: 14.80 min Scan# 1025

Delta R.T. -0.16 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

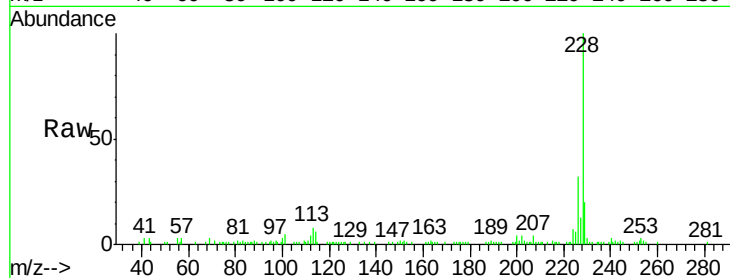
Tgt Ion:228 Resp: 76587

Ion Ratio Lower Upper

228 100

226 31.7 21.0 31.4#

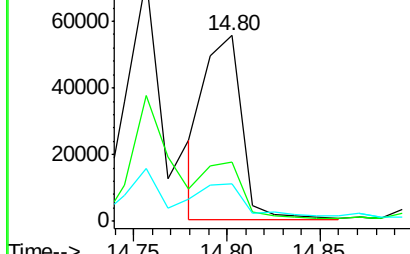
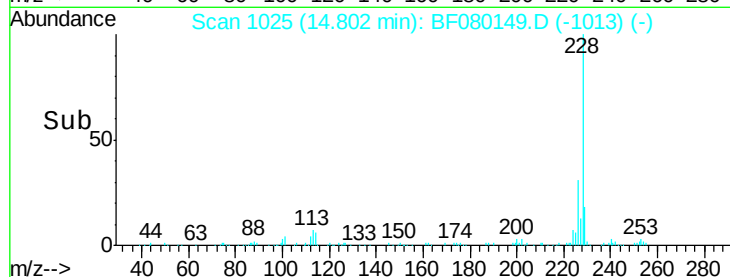
229 20.3 15.6 23.4



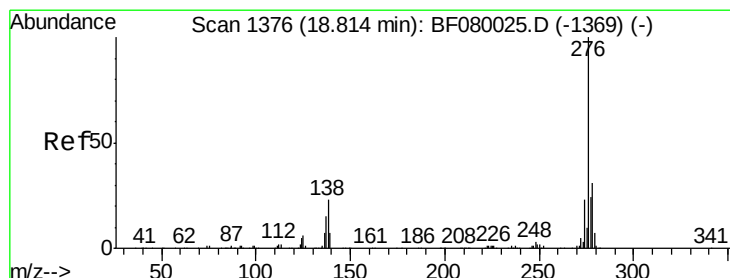
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.07 ng

RT: 18.43 min Scan# 1342

Delta R.T. -0.26 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

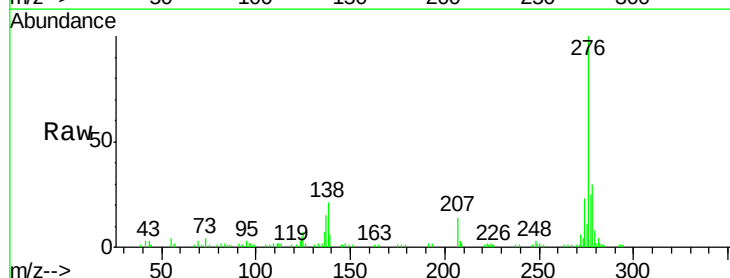
Tgt Ion:276 Resp: 92591

Ion Ratio Lower Upper

276 100

138 24.0 25.7 38.5#

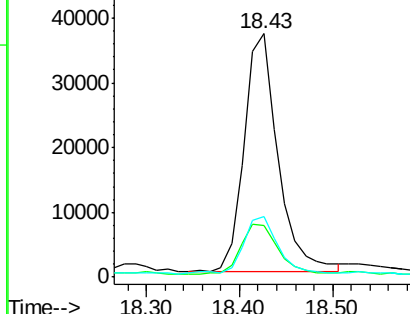
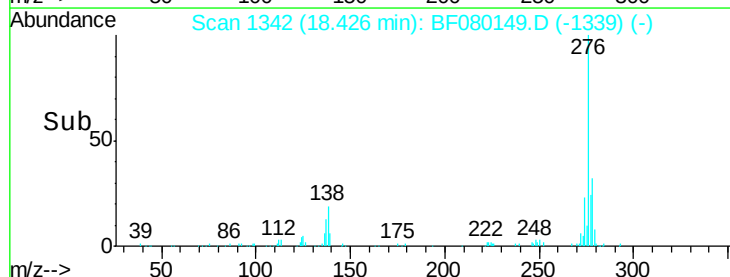
277 24.6 15.6 23.4#



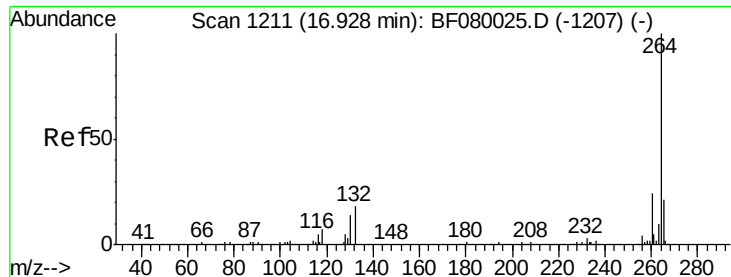
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

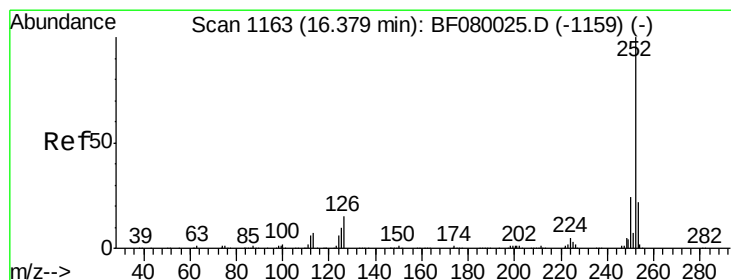
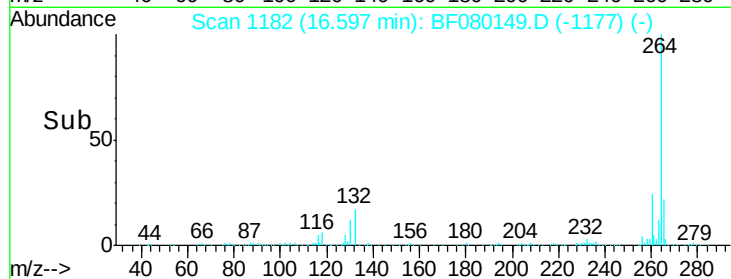
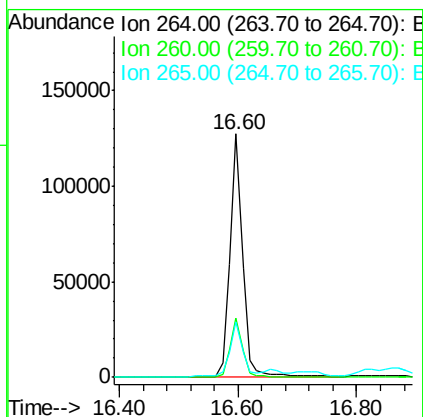
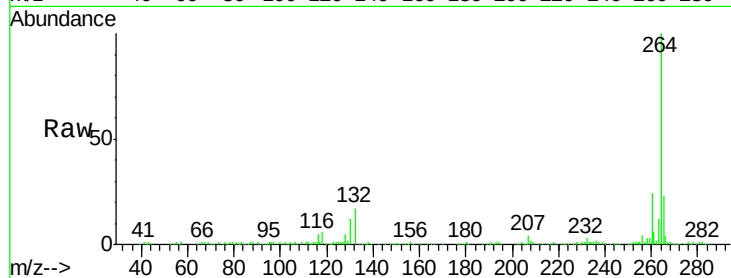


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.60 min Scan# 1182
Delta R.T. -0.24 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

Instrument :
BNA_F
ClientSampleId :
SB-76(8-10)

Tgt Ion: 264 Resp: 190848

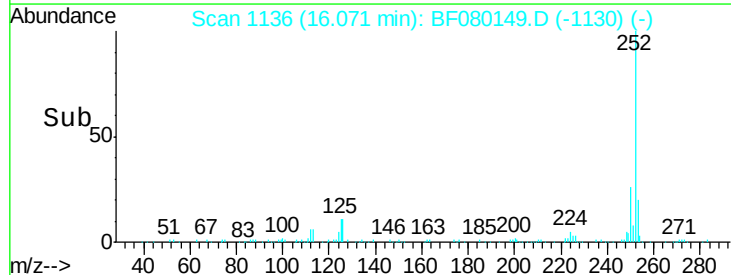
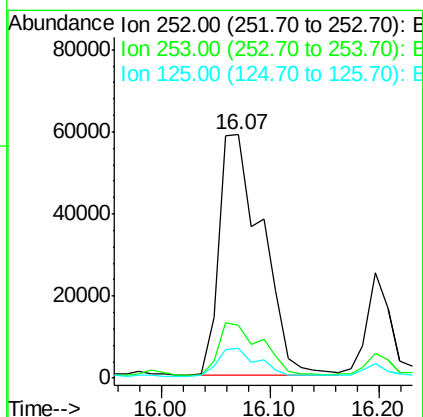
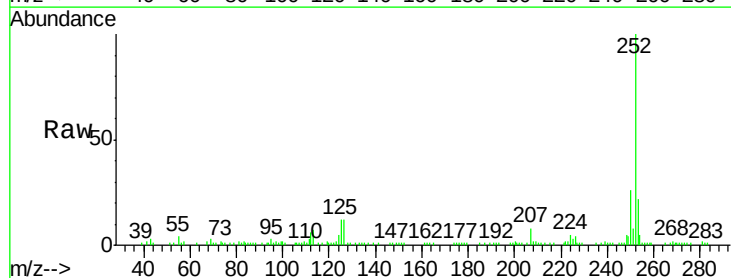
Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	22.9	17.2	25.8

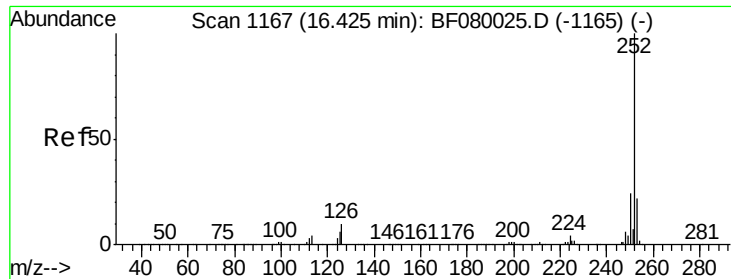


#87
Benzo(b)fluoranthene
Concen: 13.99 ng
RT: 16.07 min Scan# 1136
Delta R.T. -0.23 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

Tgt Ion: 252 Resp: 161628

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	12.1	17.1	25.7#

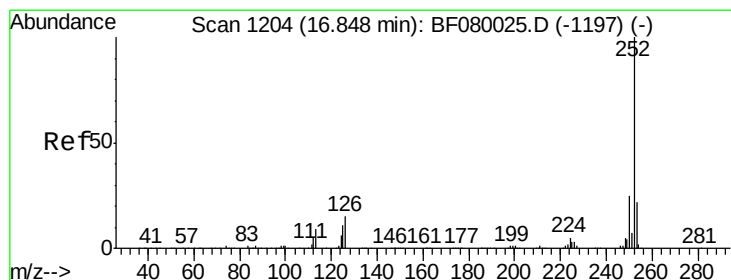
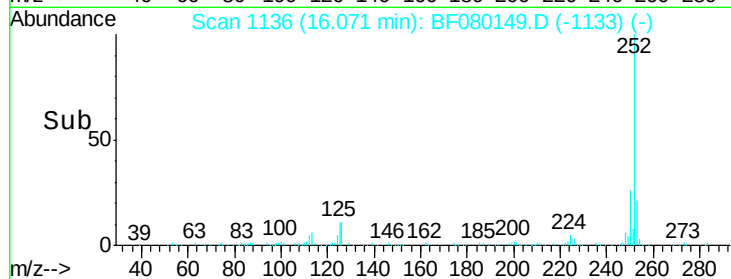
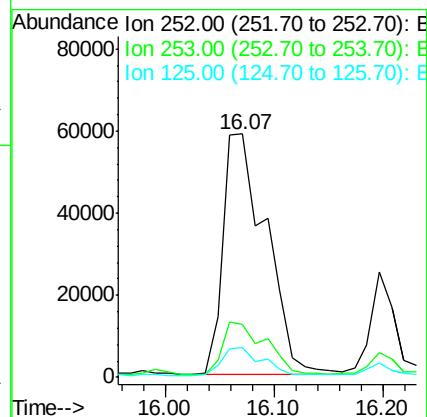
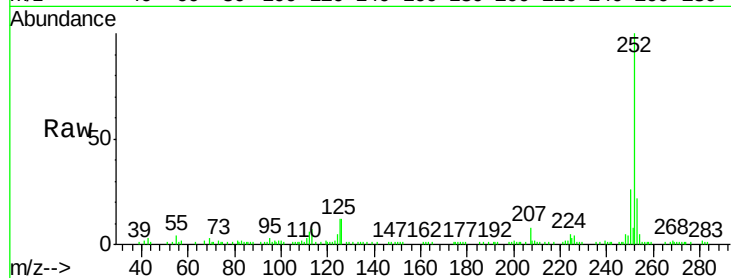




#88
Benzo(k)fluoranthene
Concen: 13.74 ng
RT: 16.07 min Scan# 1136
Delta R.T. -0.26 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

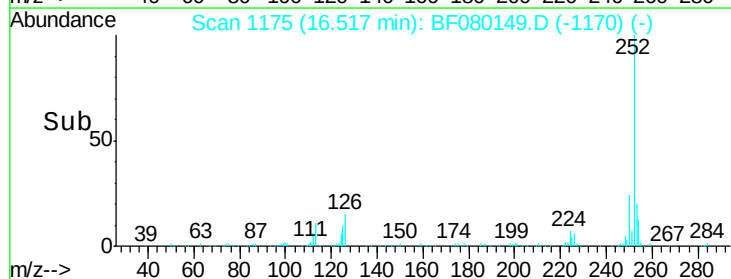
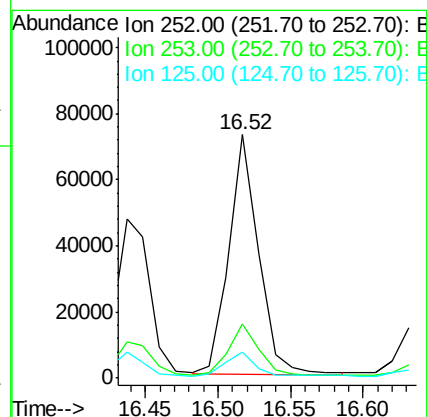
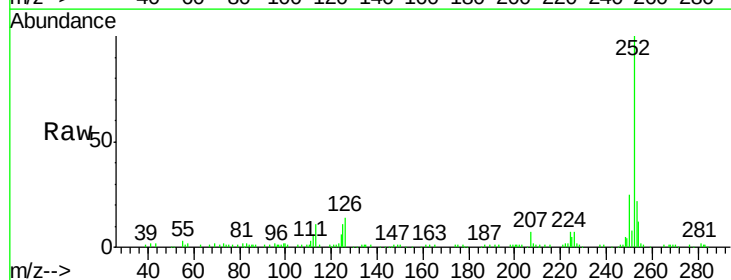
Instrument :
BNA_F
ClientSampleId :
SB-76(8-10)

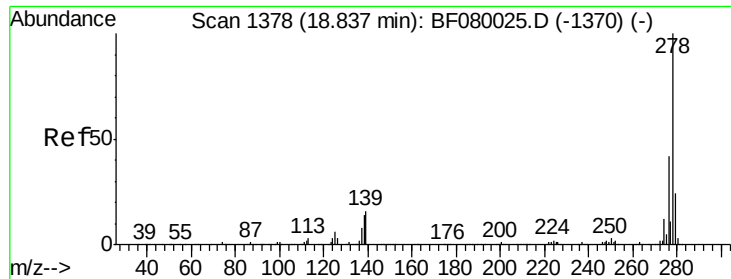
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	12.1	16.0	24.0#



#89
Benzo(a)pyrene
Concen: 9.46 ng
RT: 16.52 min Scan# 1175
Delta R.T. -0.24 min
Lab File: BF080149.D
Acq: 25 Jun 2015 1:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.9	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 3.58 ng

RT: 18.44 min Scan# 1343

Delta R.T. -0.27 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-76(8-10)

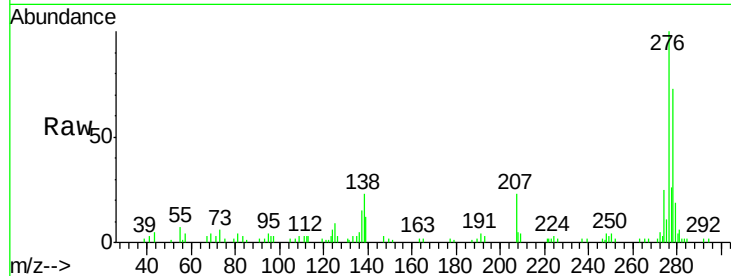
Tgt Ion: 278 Resp: 40224

Ion Ratio Lower Upper

278 100

139 17.0 26.3 39.5#

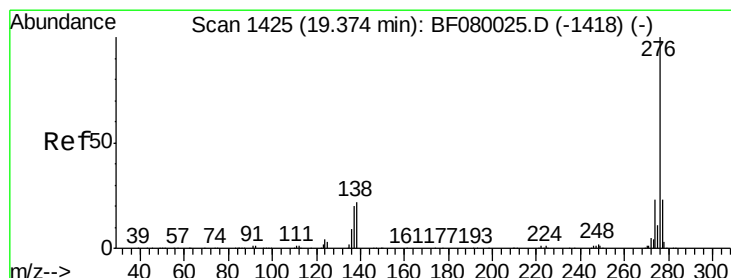
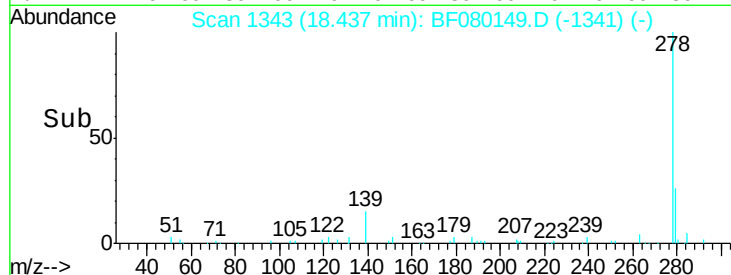
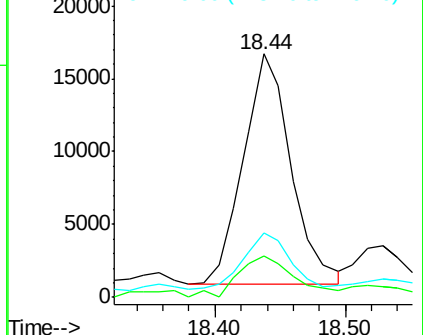
279 26.3 18.2 27.4



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: 8.89 ng

RT: 18.97 min Scan# 1390

Delta R.T. -0.27 min

Lab File: BF080149.D

Acq: 25 Jun 2015 1:39

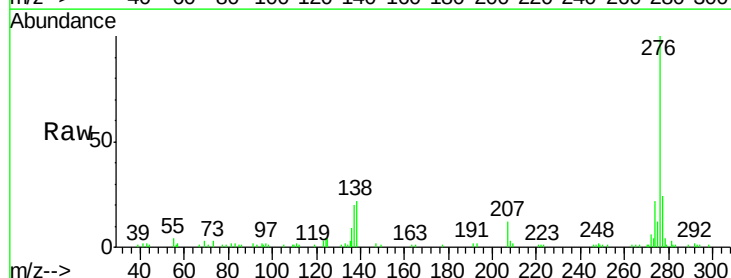
Tgt Ion: 276 Resp: 100818

Ion Ratio Lower Upper

276 100

277 23.7 17.8 26.6

138 21.9 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

