

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084677.D
 Acq On : 30 Jan 2016 11:08
 Operator : SJ/IZ
 Sample : H1257-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)

Quant Time: Feb 01 00:24:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

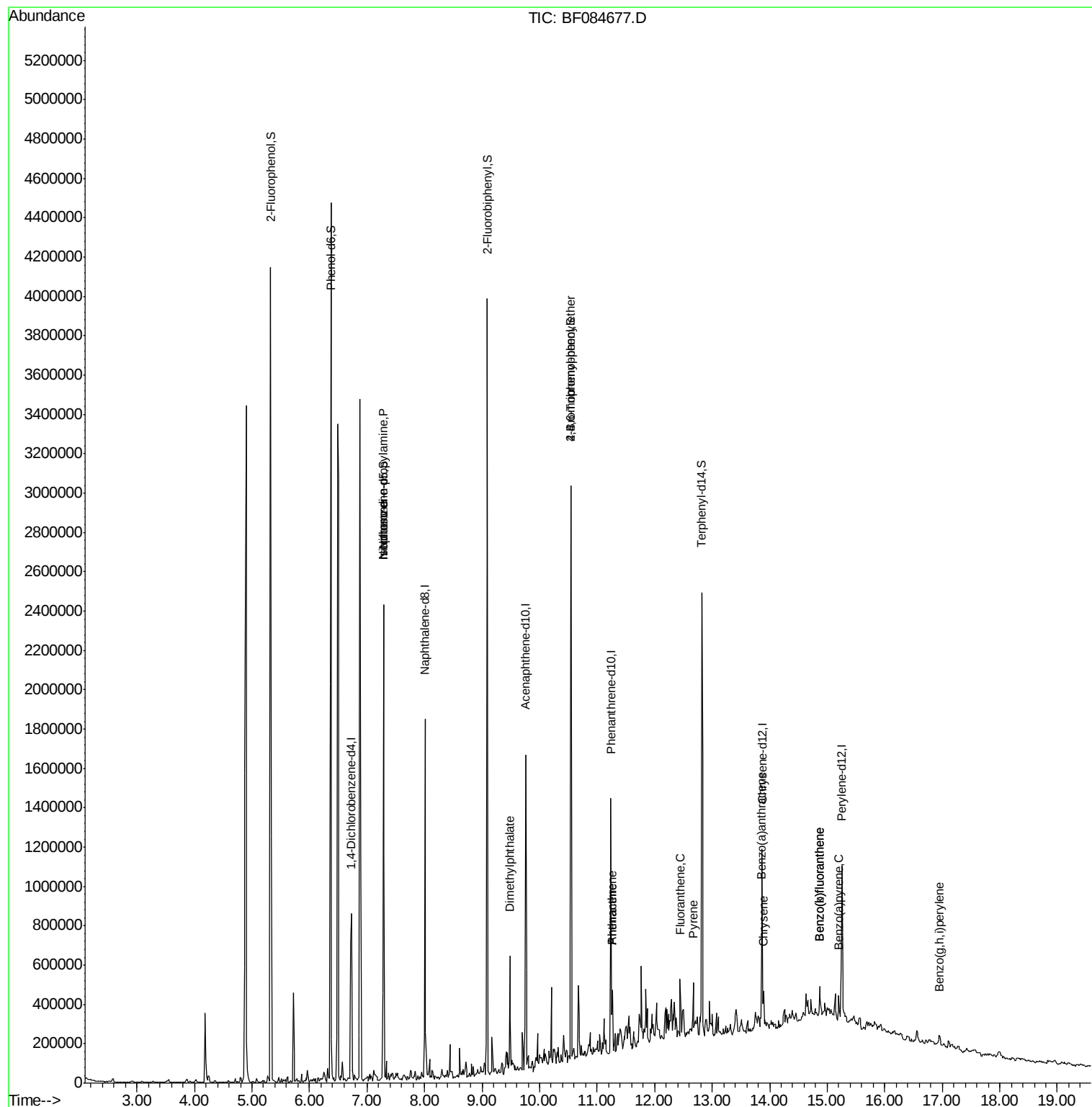
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	173571	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	707554	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	314201	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	553815	20.00	ng	0.00
75) Chrysene-d12	13.87	240	355627	20.00	ng	0.00
86) Perylene-d12	15.25	264	338879	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1215610	105.72	ng	0.01
7) Phenol-d6	6.37	99	1562452	113.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	919337	72.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	327210	99.36	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1577274	74.62	ng	0.00
78) Terphenyl-d14	12.82	244	888012	56.40	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	124389	14.78	ng	# 70
25) Isophorone	7.29	82	816251	34.41	ng	# 66
49) Dimethylphthalate	9.48	163	218599	9.27	ng	# 90
66) 4-Bromophenyl-phenylether	10.54	248	20982	3.36	ng	# 1
70) Phenanthrene	11.26	178	153467	5.01	ng	98
71) Anthracene	11.26	178	153467	4.93	ng	99
74) Fluoranthene	12.44	202	125666	4.15	ng	99
77) Pyrene	12.67	202	114518	4.27	ng	97
80) Benzo(a)anthracene	13.86	228	62352	2.81	ng	# 92
82) Chrysene	13.89	228	83209	3.81	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	88318	4.02	ng	# 90
88) Benzo(k)fluoranthene	14.87	252	88318	4.87	ng	# 94
89) Benzo(a)pyrene	15.20	252	48250	2.54	ng	# 87
91) Benzo(g,h,i)perylene	16.96	276	44434	2.57	ng	99

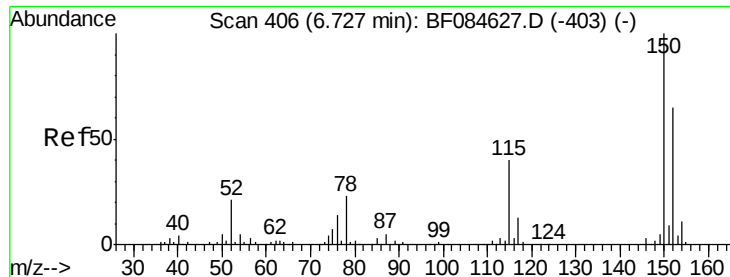
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 29 12:54:53 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

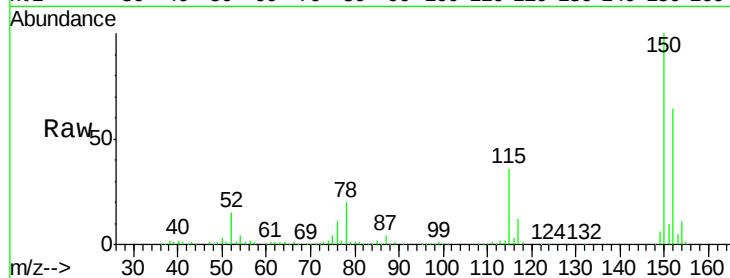
Tgt Ion:152 Resp: 173571

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

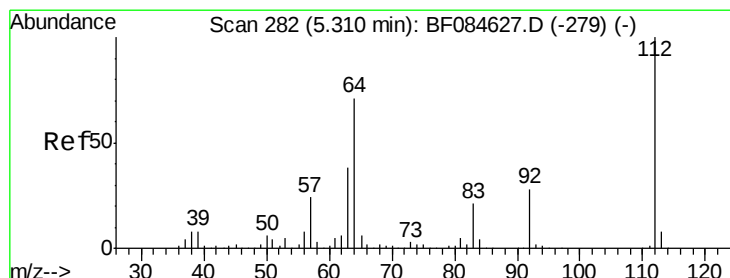
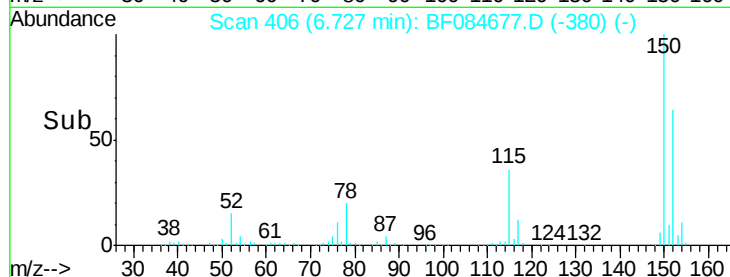
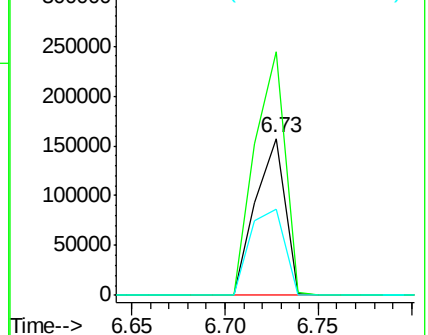
115 55.4 51.4 77.2



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: 105.72 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

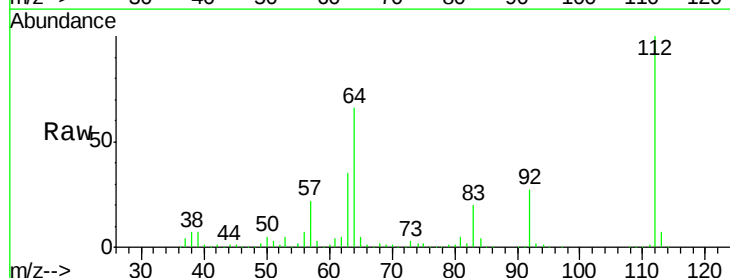
Tgt Ion:112 Resp: 1215610

Ion Ratio Lower Upper

112 100

64 66.0 36.6 55.0#

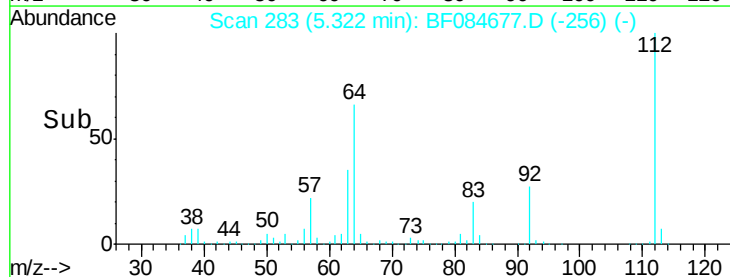
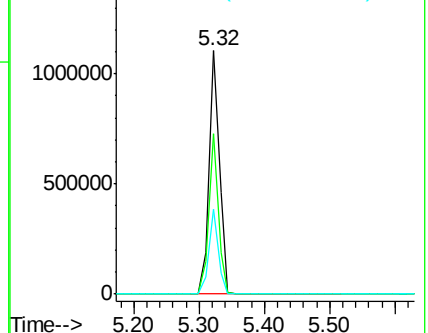
63 34.7 19.4 29.0#

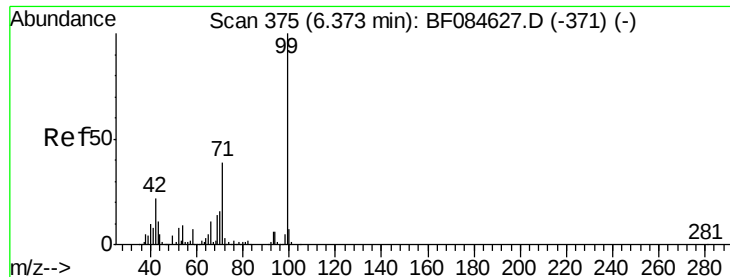


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.37 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

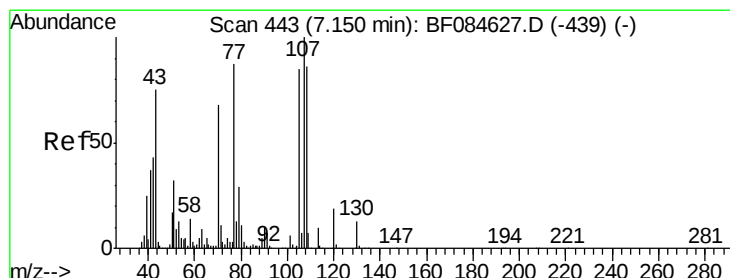
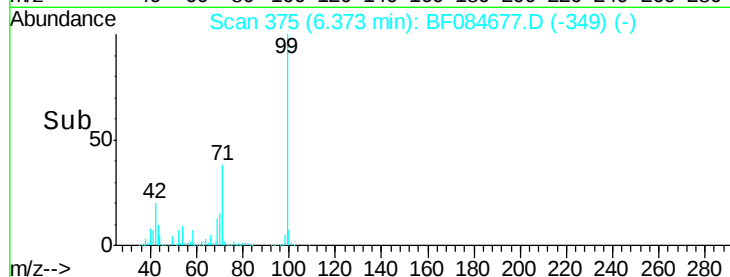
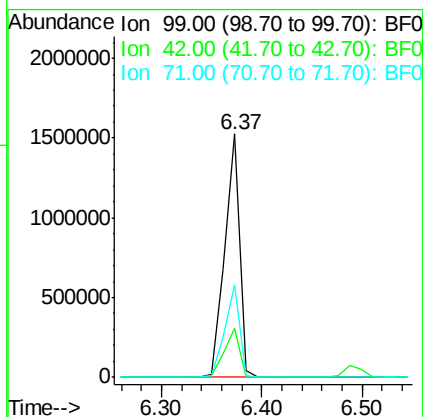
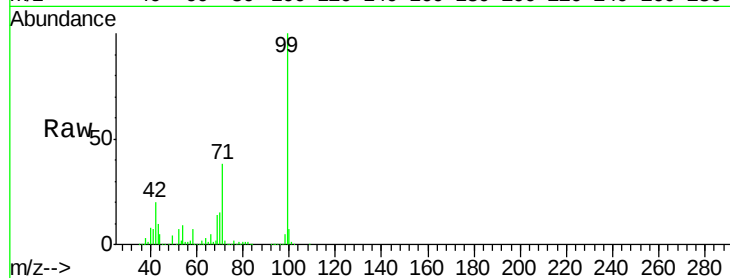
Tgt Ion: 99 Resp: 1562452

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

71 37.9 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.78 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Tgt Ion: 70 Resp: 124389

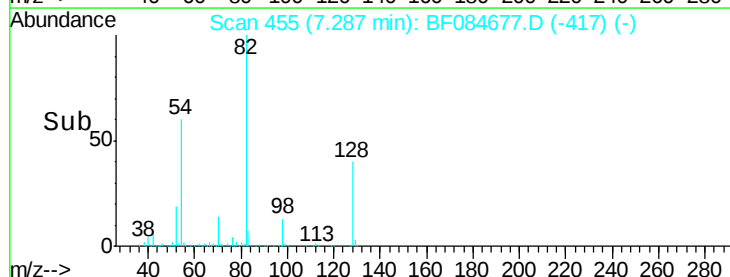
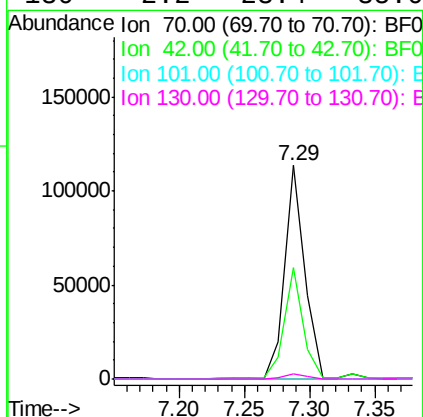
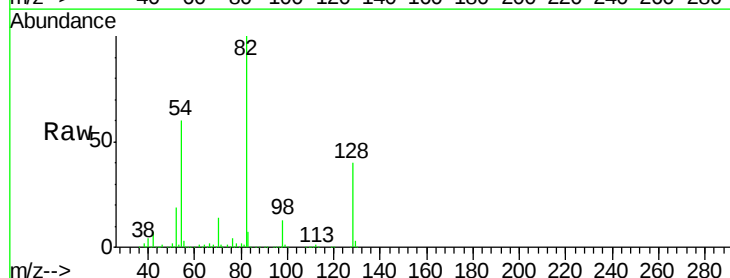
Ion Ratio Lower Upper

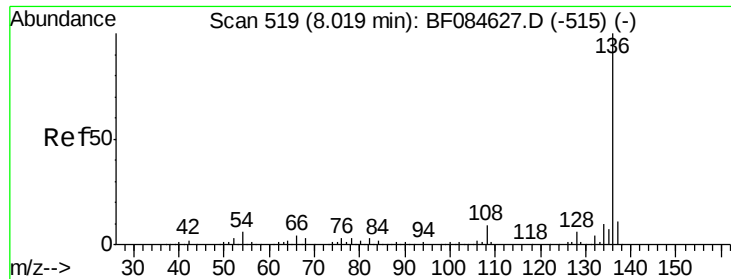
70 100

42 51.9 33.3 49.9#

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

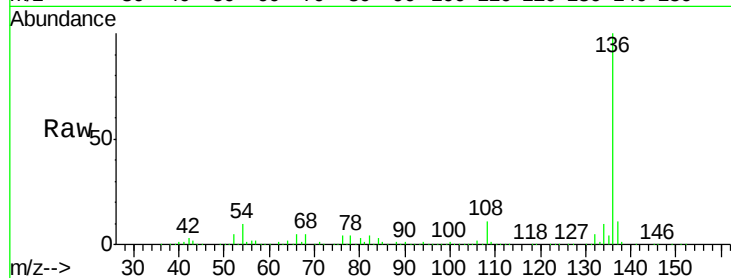




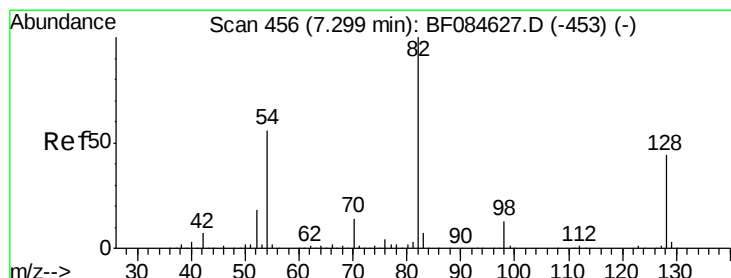
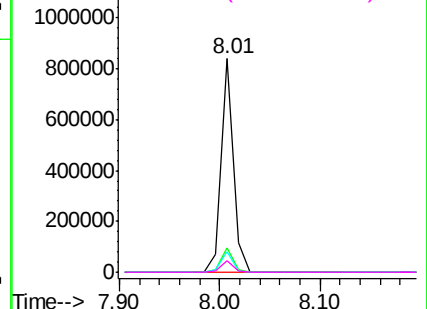
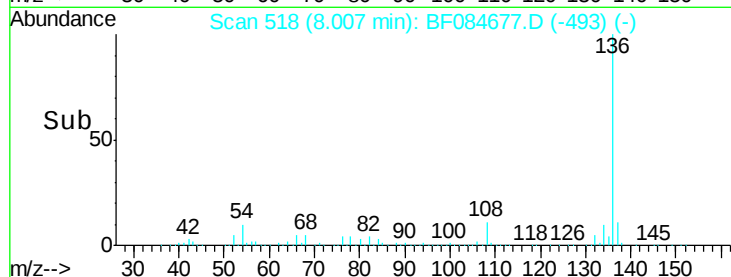
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)

Tgt Ion:	136	Resp:	707554
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	9.5	5.8	8.8#
68	5.5	4.2	6.2

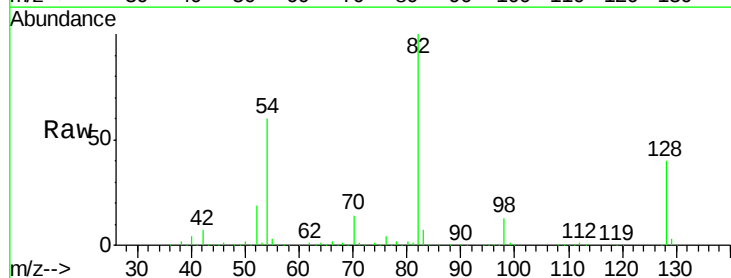


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

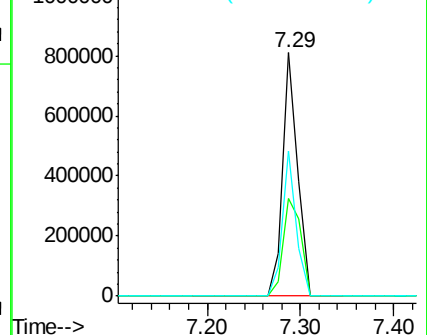
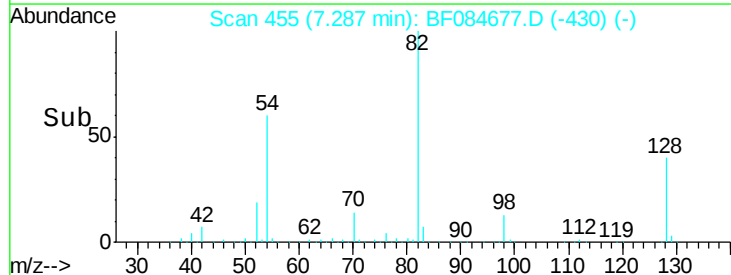


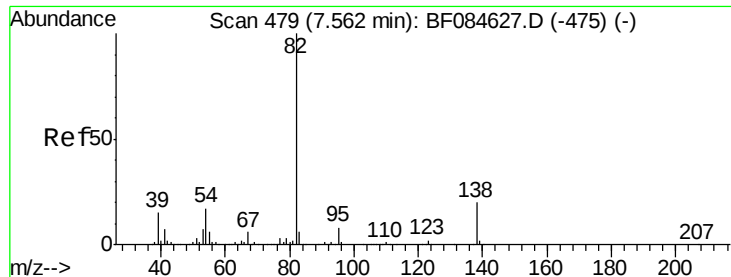
#23
Nitrobenzene-d5
Concen: 72.61 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Tgt Ion:	82	Resp:	919337
Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	51.8
54	59.5	38.4	57.6#



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





#25

Isophorone

Concen: 34.41 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

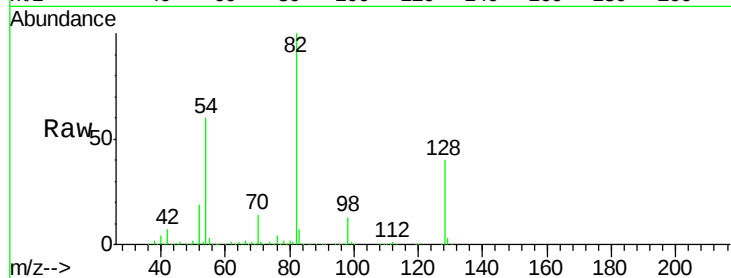
Tgt Ion: 82 Resp: 816251

Ion Ratio Lower Upper

82 100

95 0.1 6.6 10.0#

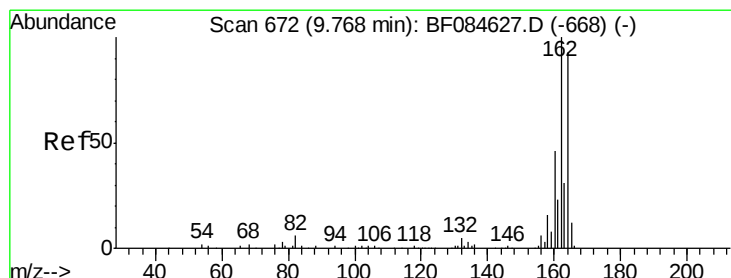
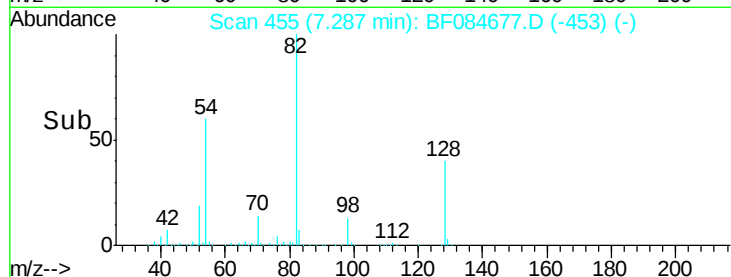
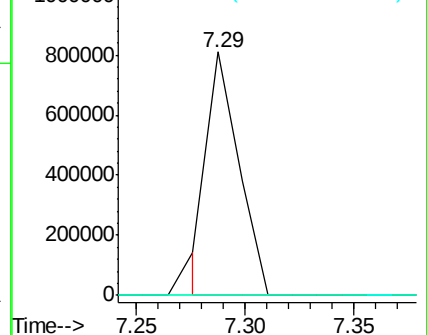
138 0.0 13.6 20.4#



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: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

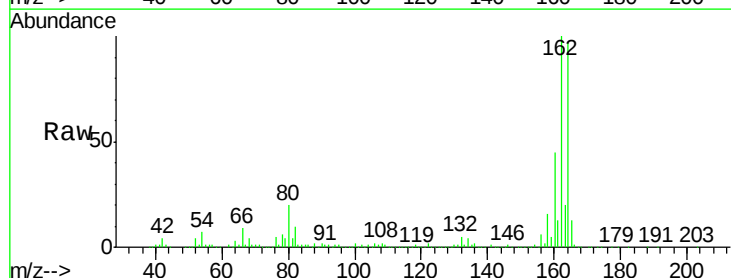
Tgt Ion: 164 Resp: 314201

Ion Ratio Lower Upper

164 100

162 103.5 85.1 127.7

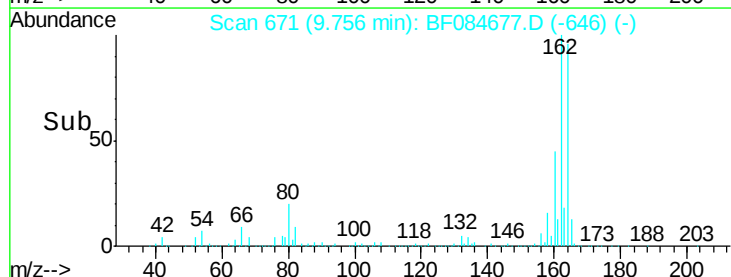
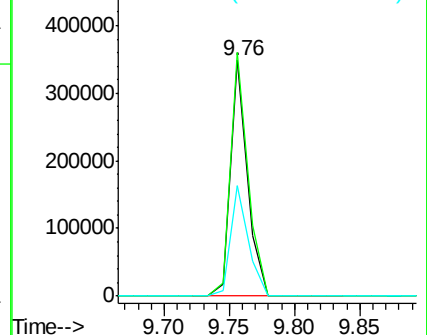
160 46.7 37.5 56.3

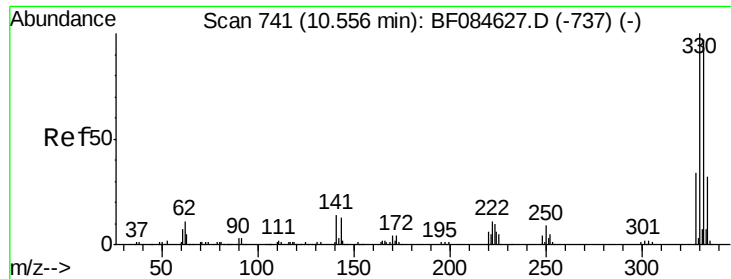


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

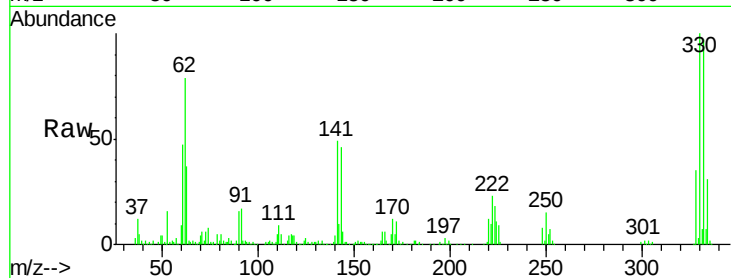




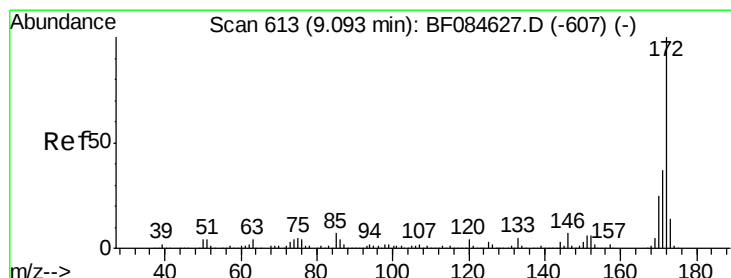
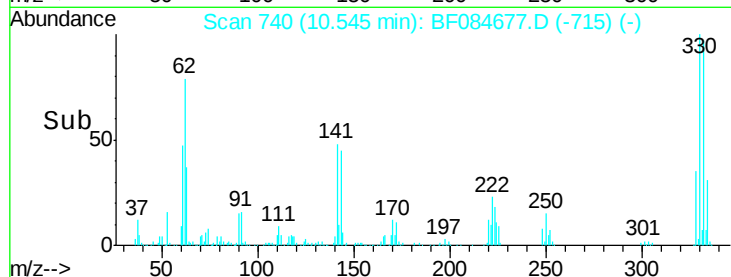
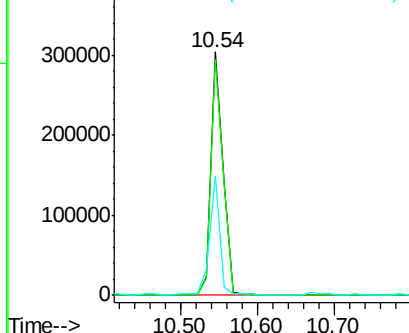
#41
 2,4,6-Tribromophenol
 Concen: 99.36 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084677.D
 Acq: 30 Jan 2016 11:08

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	40.6	27.8	41.6

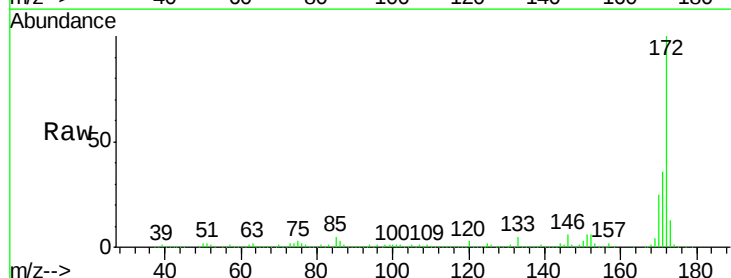


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

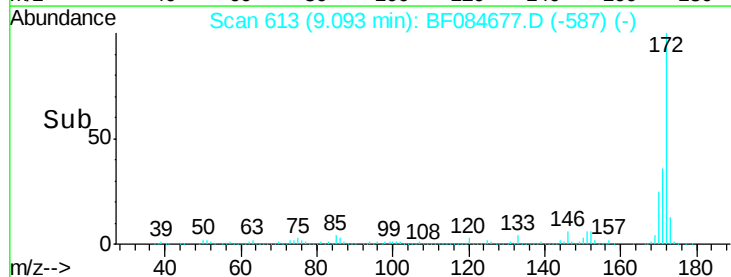
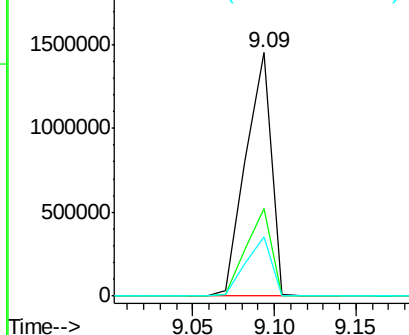


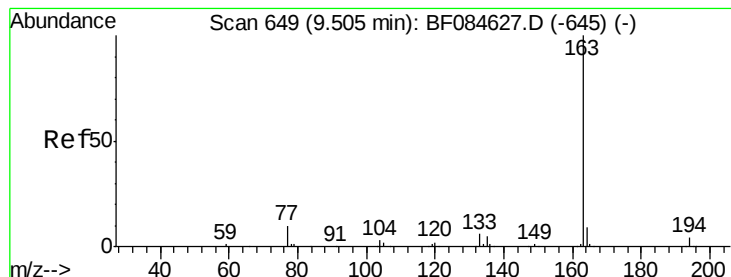
#44
 2-Fluorobiphenyl
 Concen: 74.62 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084677.D
 Acq: 30 Jan 2016 11:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	24.5	18.6	27.8



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





#49

Dimethylphthalate

Concen: 9.27 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

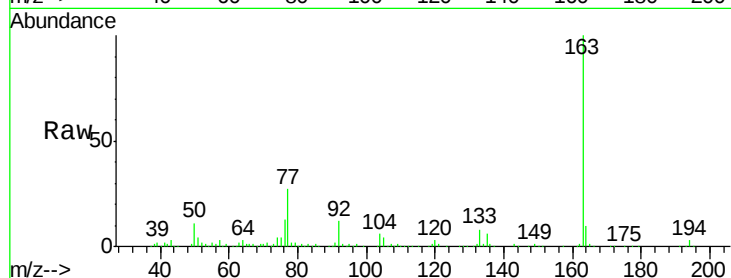
Tgt Ion:163 Resp: 218599

Ion Ratio Lower Upper

163 100

194 2.9 8.0 12.0#

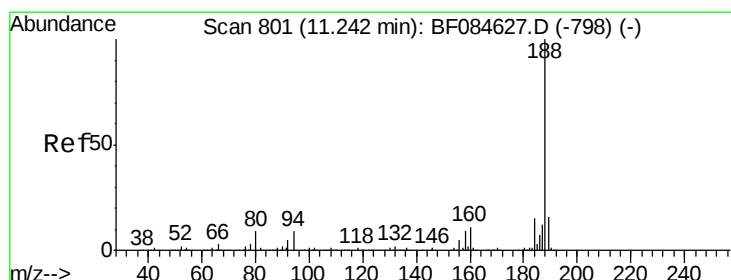
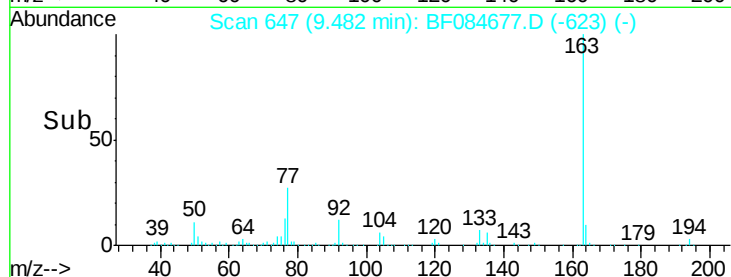
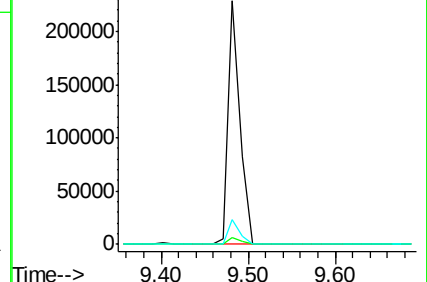
164 10.0 8.0 12.0



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: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

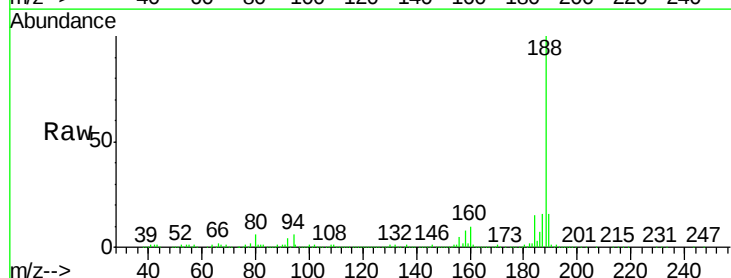
Tgt Ion:188 Resp: 553815

Ion Ratio Lower Upper

188 100

94 6.4 9.0 13.4#

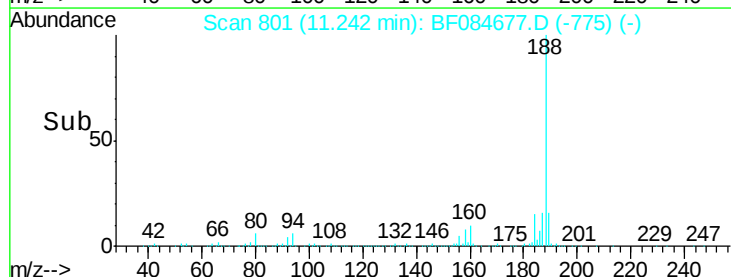
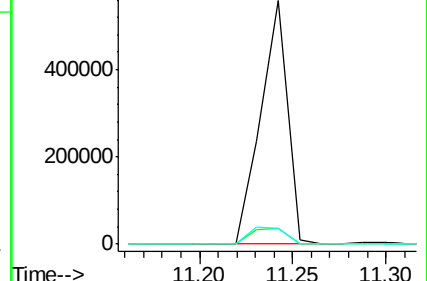
80 6.2 9.6 14.4#

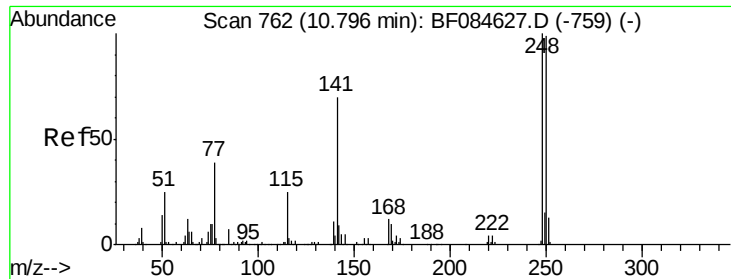


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

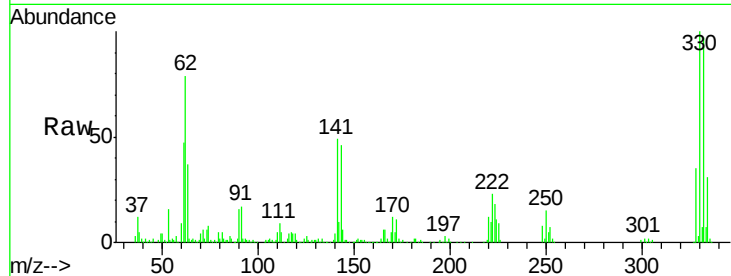




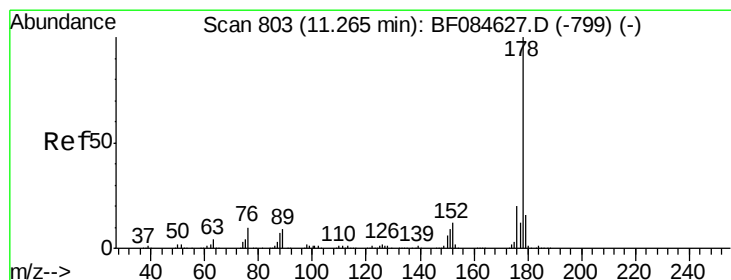
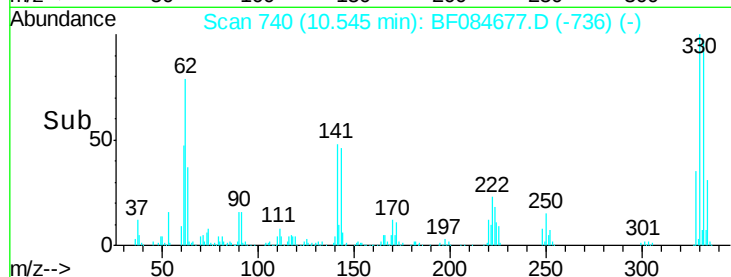
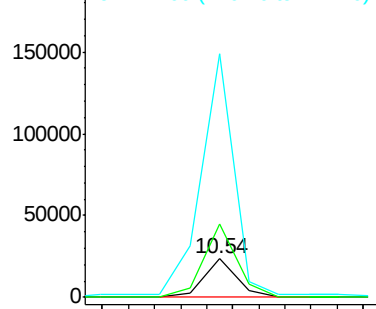
#66
4-Bromophenyl-phenylether
Concen: 3.36 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.25 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)

Tgt Ion:248 Resp: 20982
Ion Ratio Lower Upper
248 100
250 192.2 78.4 117.6#
141 634.9 44.0 66.0#

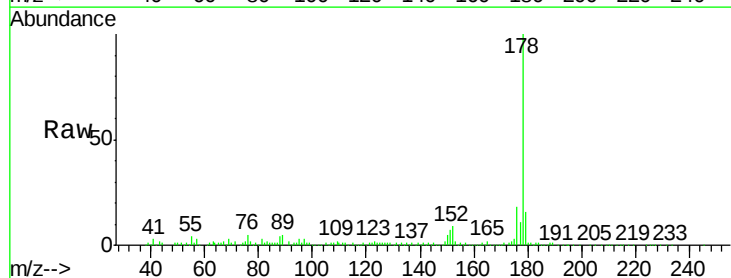


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

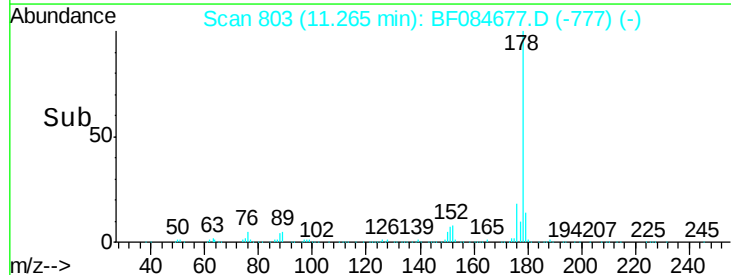
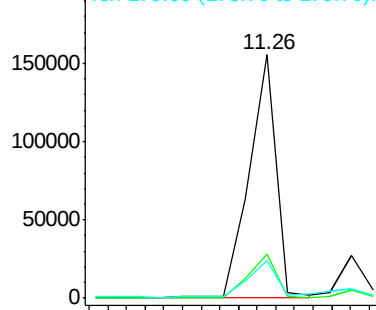


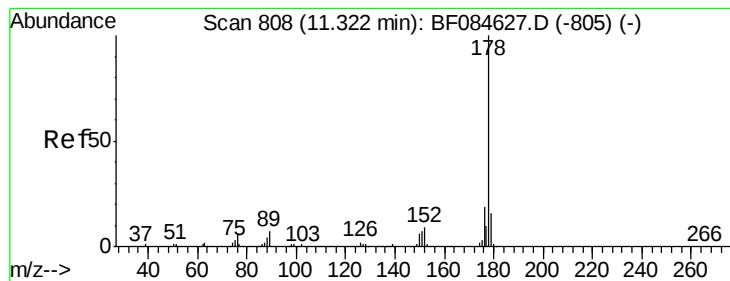
#70
Phenanthrene
Concen: 5.01 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Tgt Ion:178 Resp: 153467
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.6 12.0 18.0



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: 4.93 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

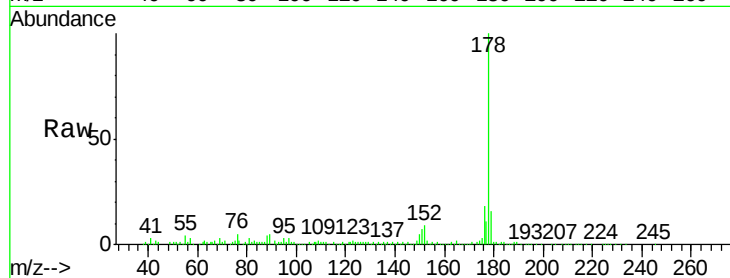
Tgt Ion:178 Resp: 153467

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

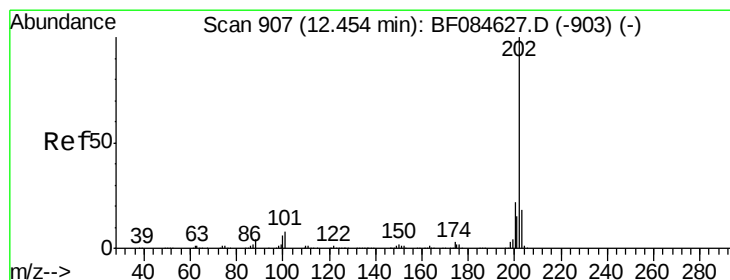
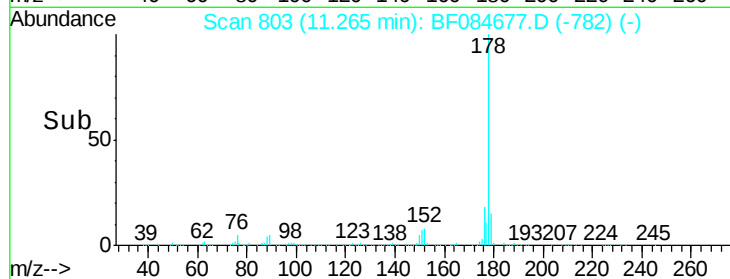
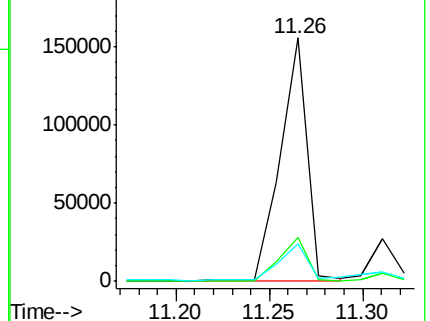
179 15.6 12.5 18.7



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



#74

Fluoranthene

Concen: 4.15 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

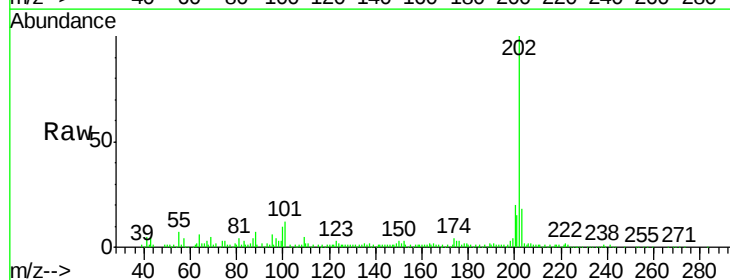
Tgt Ion:202 Resp: 125666

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.8

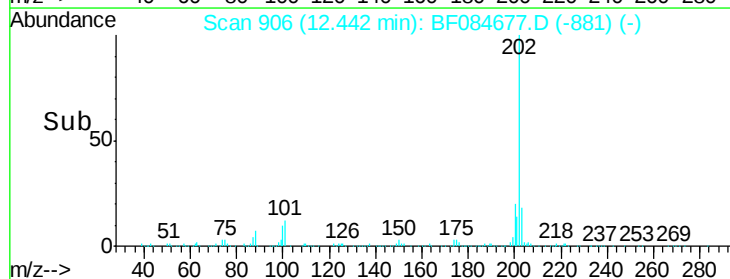
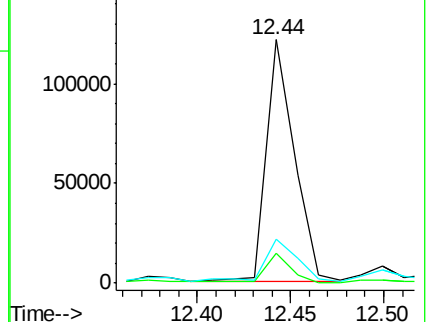
203 18.2 0.0 37.9

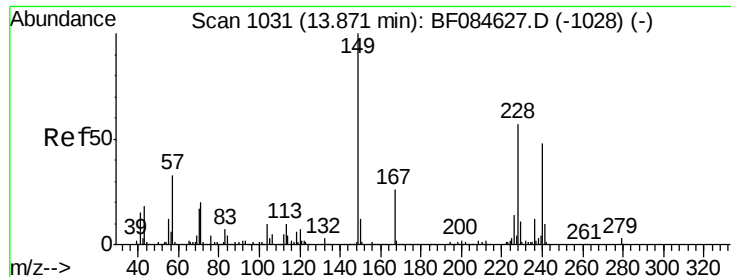


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

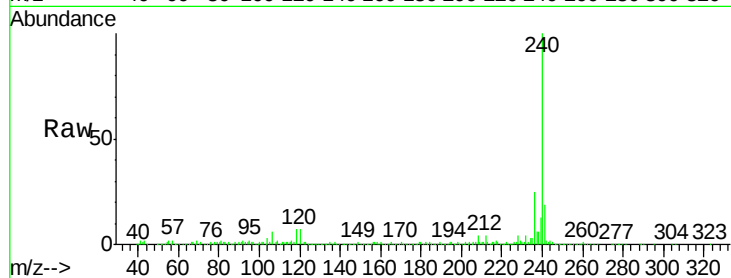
Tgt Ion:240 Resp: 355627

Ion Ratio Lower Upper

240 100

120 7.4 9.5 14.3#

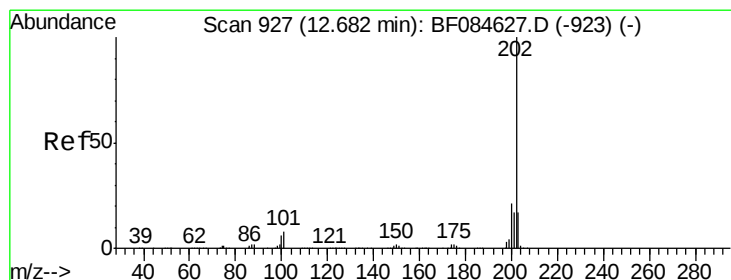
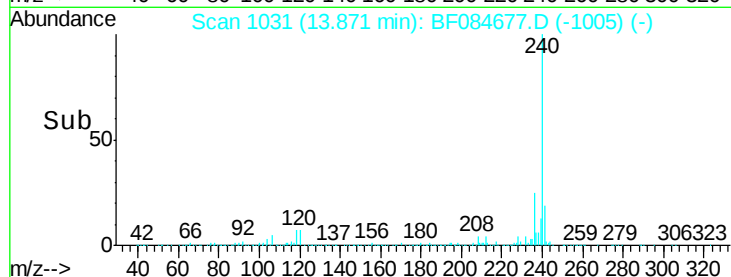
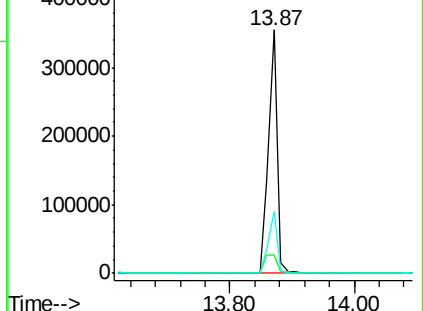
236 25.5 20.6 31.0



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: 4.27 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

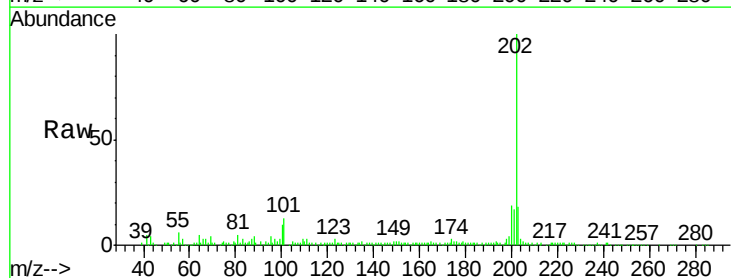
Tgt Ion:202 Resp: 114518

Ion Ratio Lower Upper

202 100

200 19.5 17.2 25.8

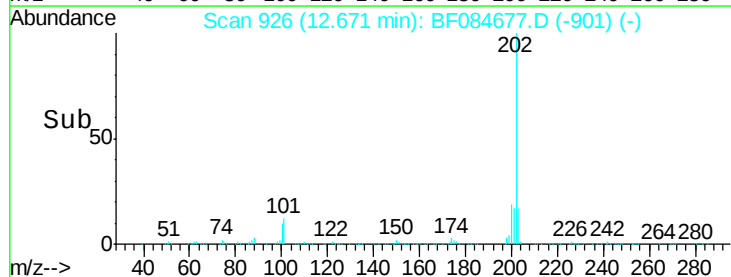
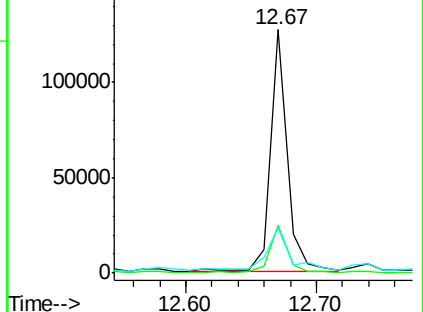
203 18.4 14.3 21.5

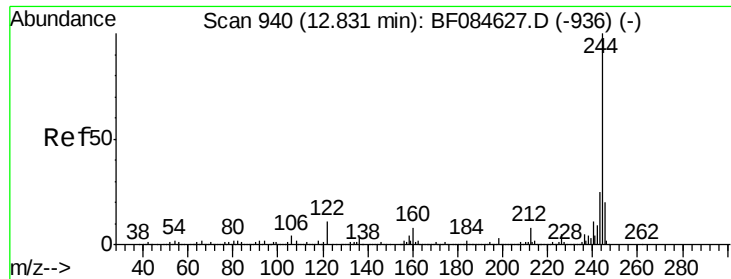


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.40 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

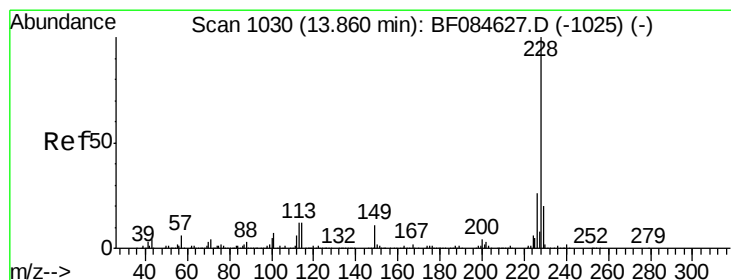
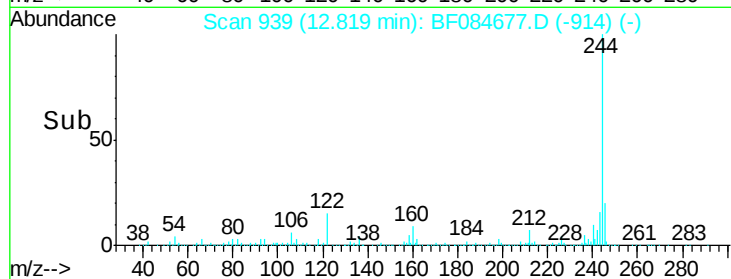
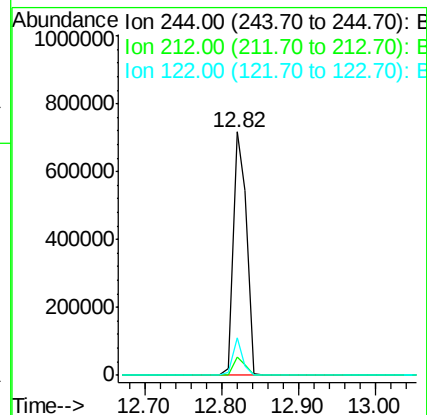
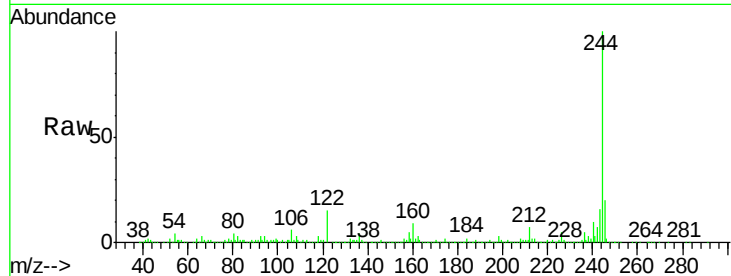
Tgt Ion:244 Resp: 888012

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 15.3 7.4 11.0#



#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

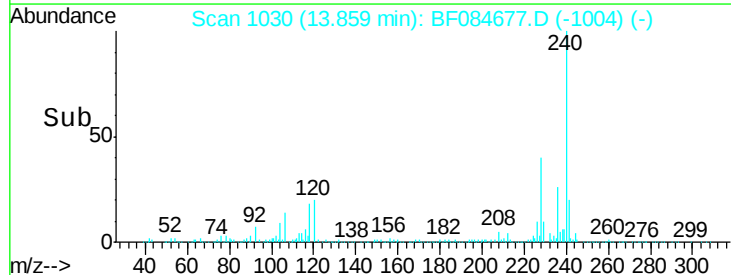
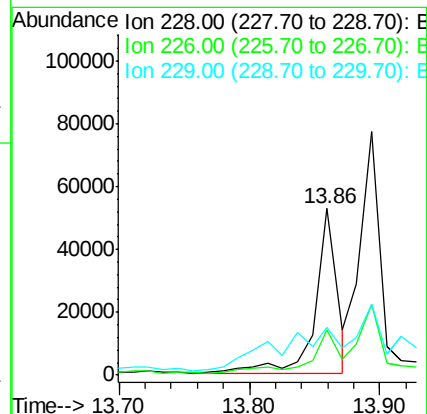
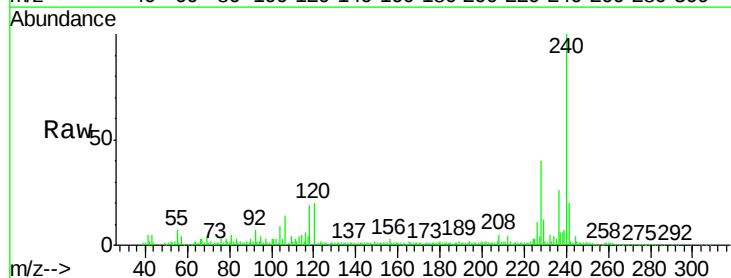
Tgt Ion:228 Resp: 62352

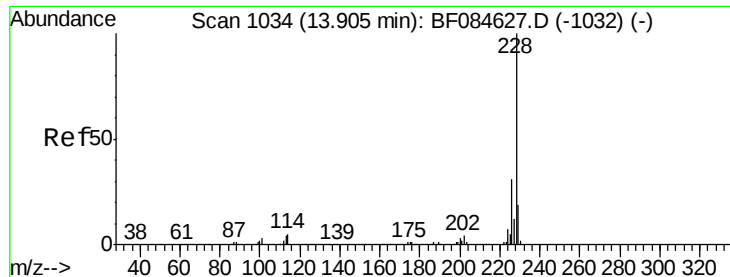
Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.6

229 28.7 15.8 23.8#





#82

Chrysene

Concen: 3.81 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)

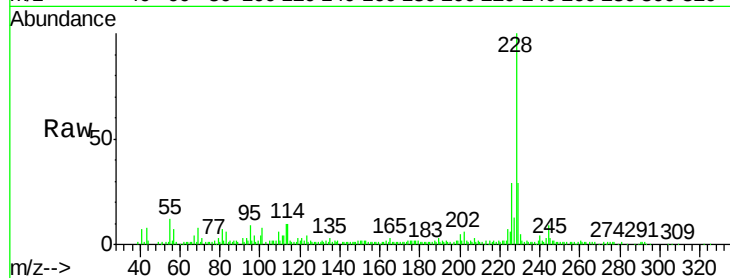
Tgt Ion:228 Resp: 83209

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

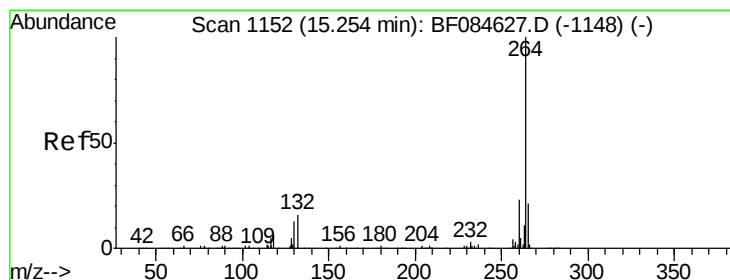
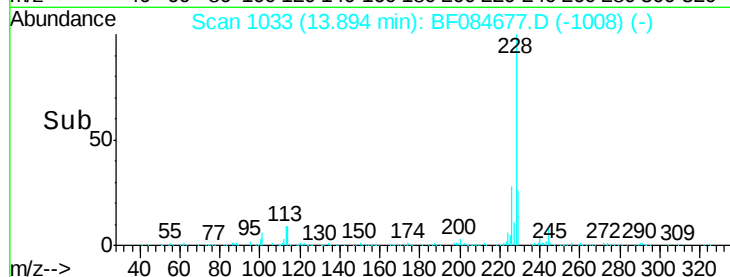
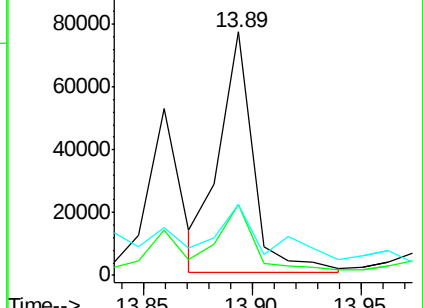
229 29.3 16.1 24.1#



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: 15.25 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF084677.D

Acq: 30 Jan 2016 11:08

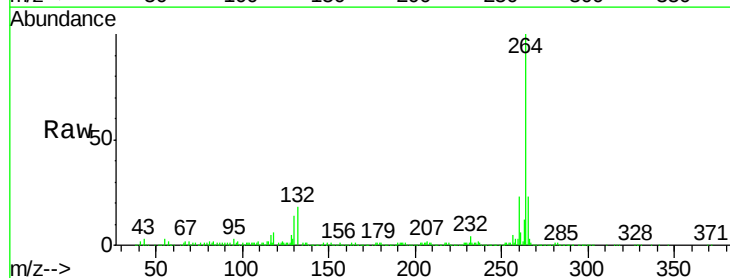
Tgt Ion:264 Resp: 338879

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

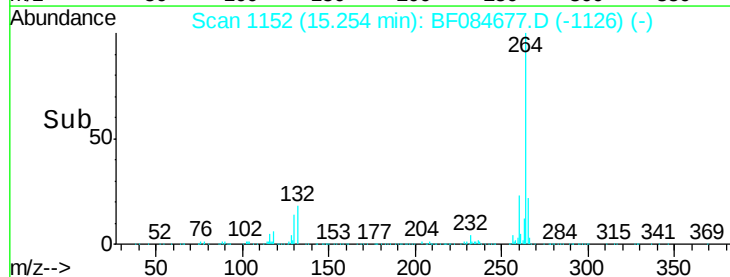
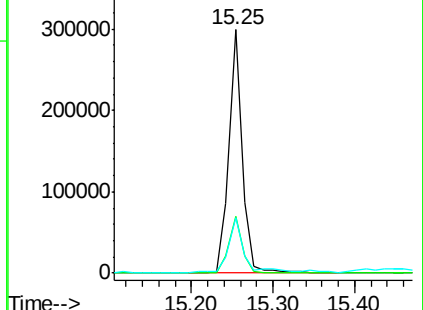
265 22.5 17.8 26.6

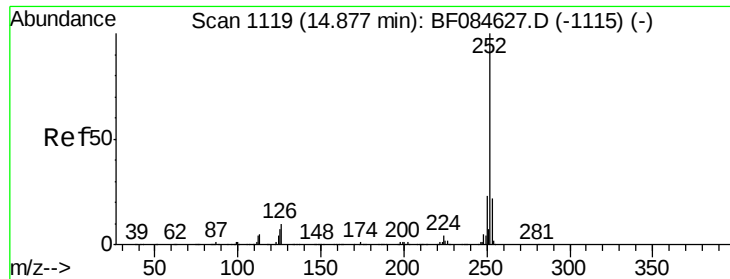


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

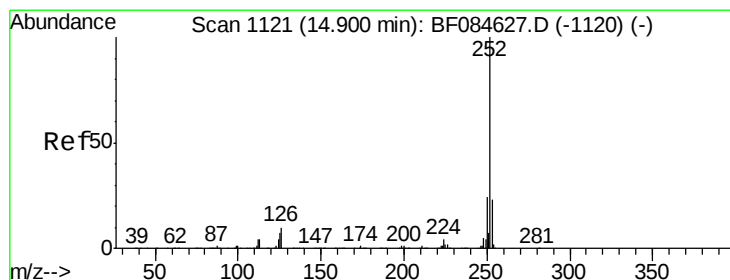
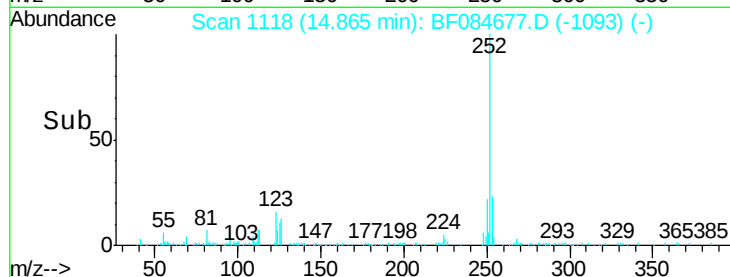
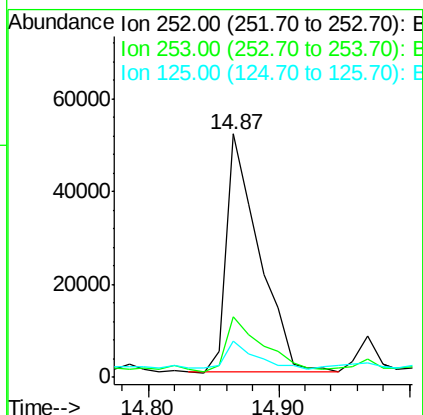
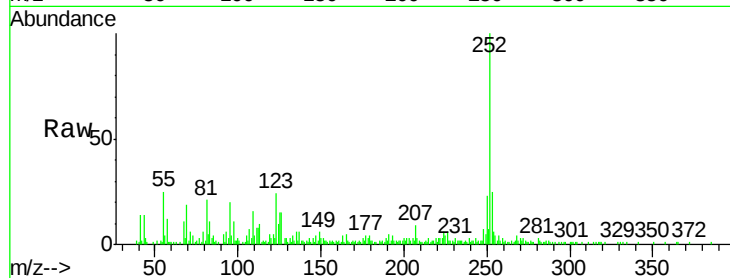




#87
Benzo(b)fluoranthene
Concen: 4.02 ng
RT: 14.87 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

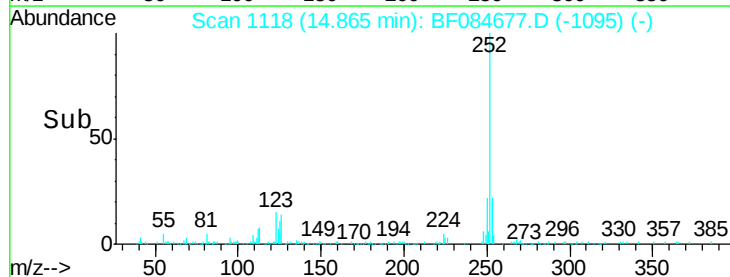
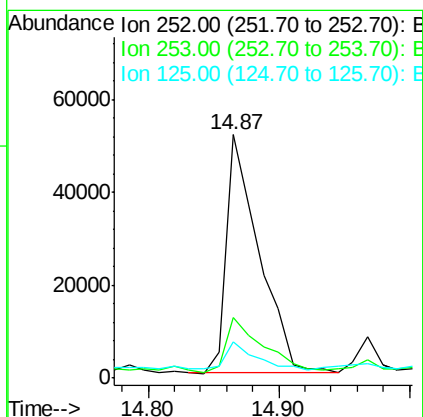
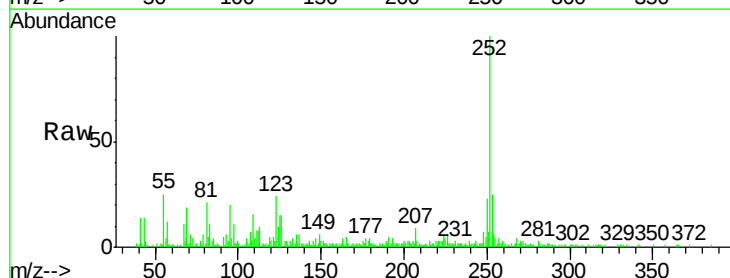
Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)

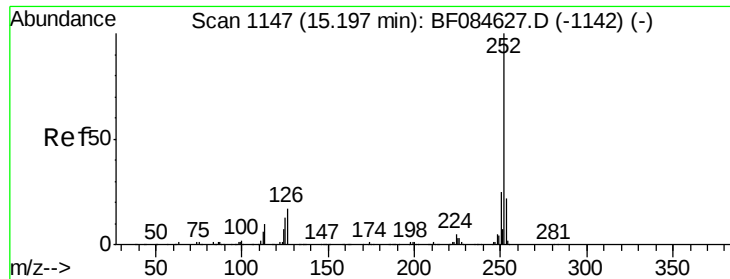
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	14.9	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 4.87 ng
RT: 14.87 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	14.9	9.0	13.6#

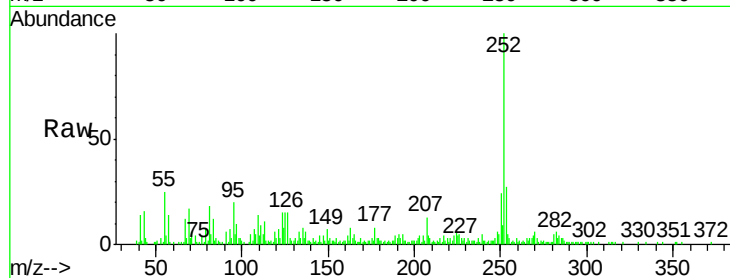




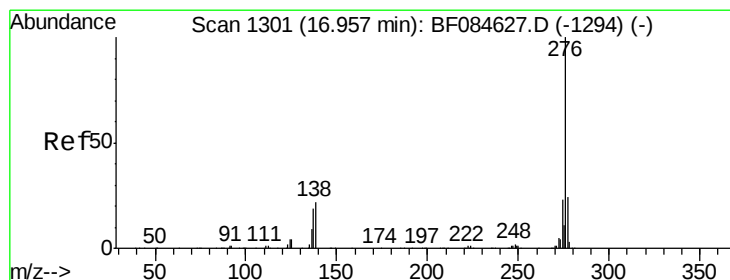
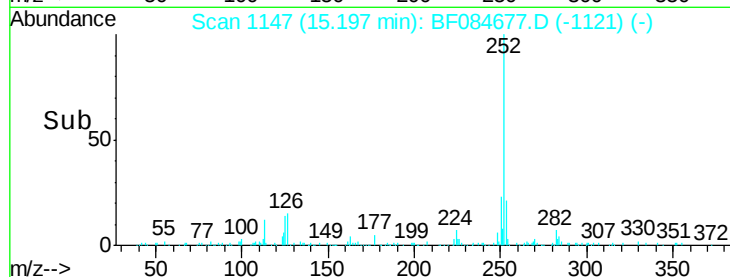
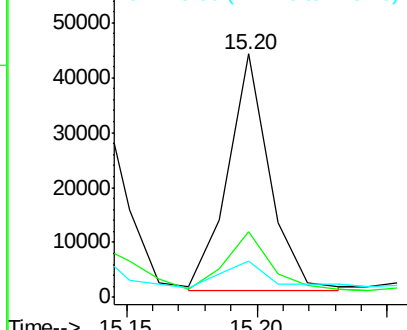
#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)

Tgt Ion: 252 Resp: 48250
Ion Ratio Lower Upper
252 100
253 26.9 17.3 25.9#
125 14.9 7.0 10.4#

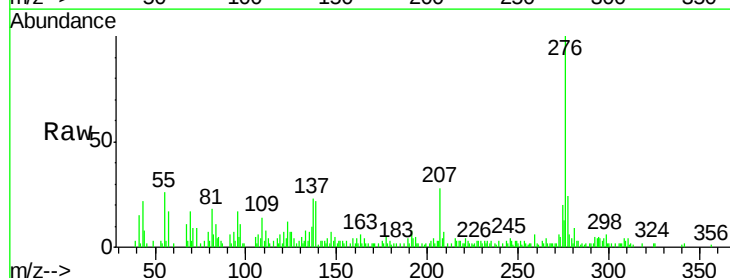


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.57 ng
RT: 16.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF084677.D
Acq: 30 Jan 2016 11:08

Tgt Ion: 276 Resp: 44434
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 22.3 17.8 26.6



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

