

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122815\
 Data File : BF084160.D
 Acq On : 28 Dec 2015 17:22
 Operator : UM/SJ
 Sample : G4960-05 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Quant Time: Dec 29 03:48:01 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

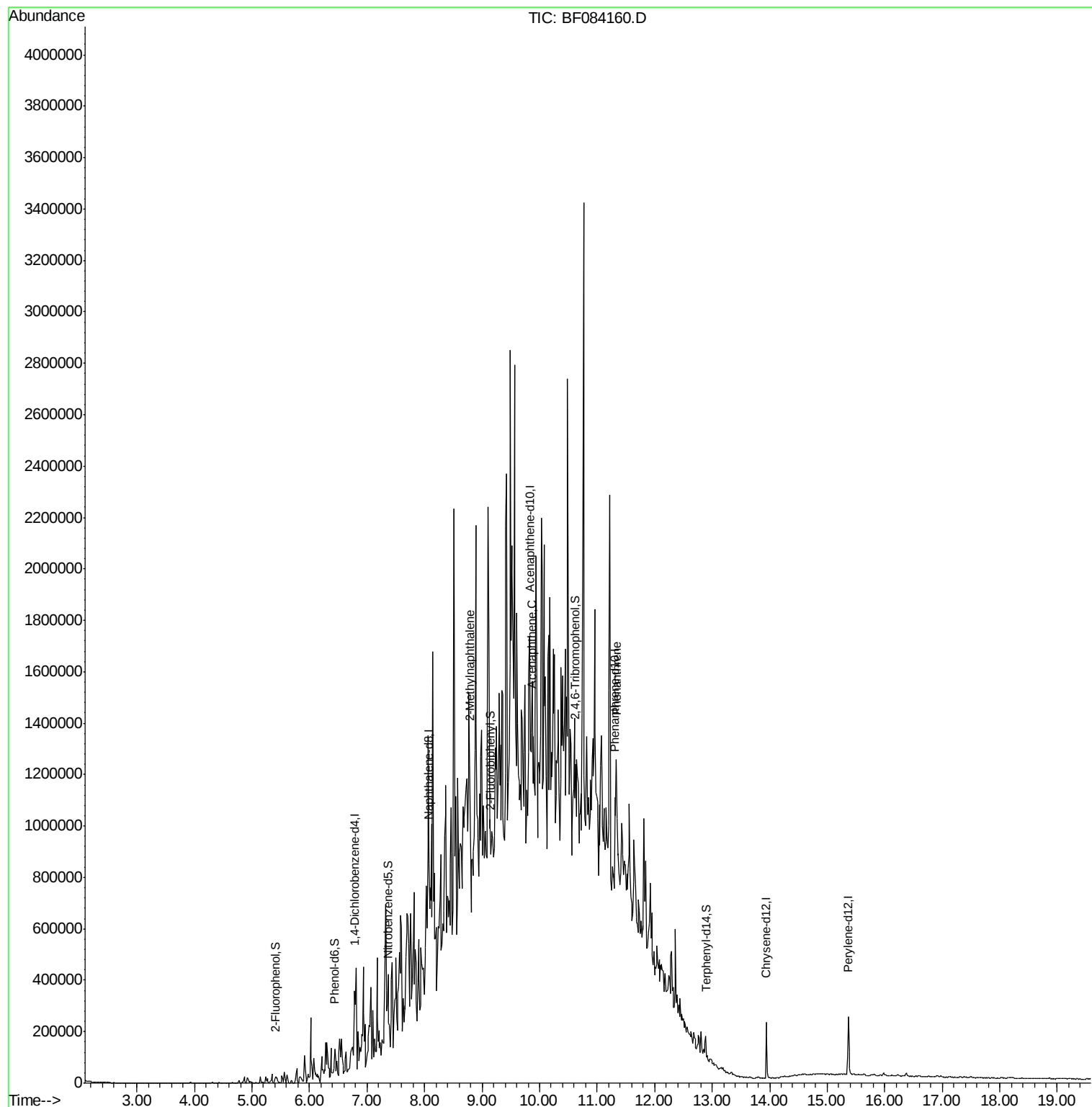
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	48111	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	173981	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	79157	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	130834	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	96640	20.00	ng	-0.02
86) Perylene-d12	15.37	264	104356	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	17685	6.23	ng	0.00
7) Phenol-d6	6.44	99	25917	7.38	ng	-0.01
23) Nitrobenzene-d5	7.36	82	11906	4.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	4004	4.74	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	28655	4.95	ng	-0.01
78) Terphenyl-d14	12.89	244	17293	3.24	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.78	142	194701	33.60	ng	# 95
51) Acenaphthene	9.86	154	42161	8.12	ng	# 87
70) Phenanthrene	11.33	178	211012	27.21	ng	# 95

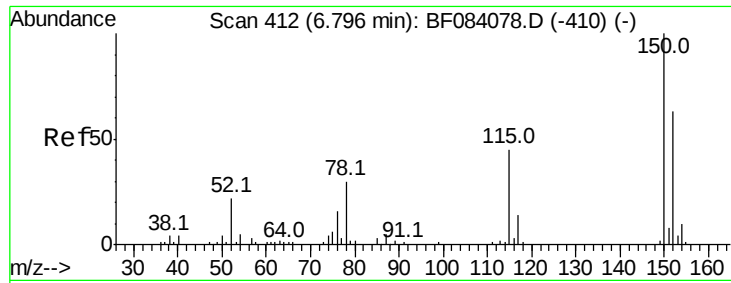
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

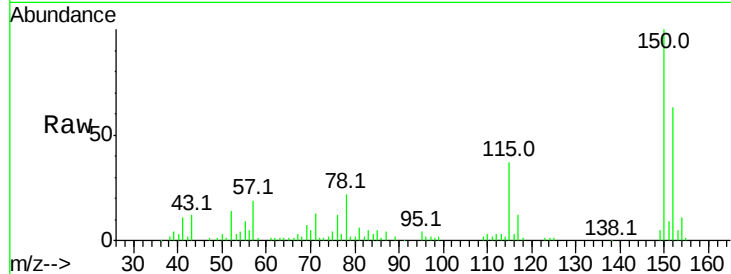
Tot Ion:152 Resp: 48111

Ion Ratio Lower Upper

152 100

150 158.6 123.0 184.4

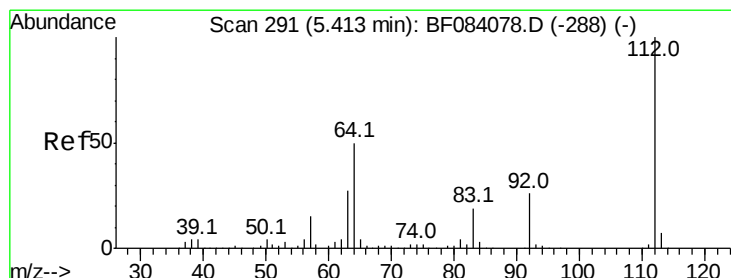
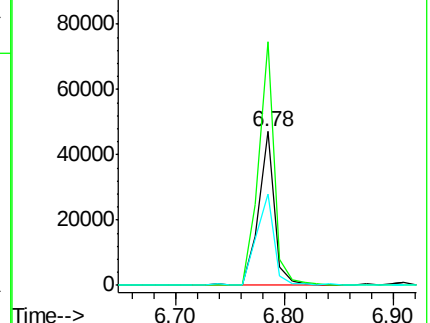
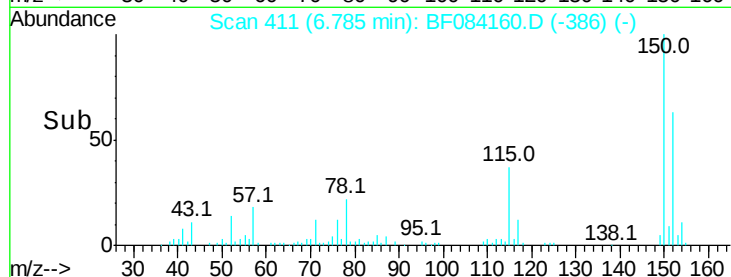
115 59.3 51.4 77.2



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: 6.23 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

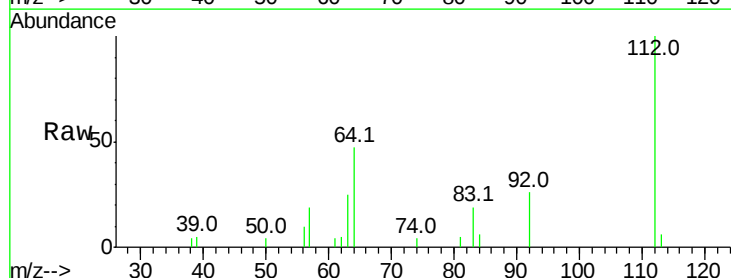
Tgt Ion:112 Resp: 17685

Ion Ratio Lower Upper

112 100

64 46.9 36.6 55.0

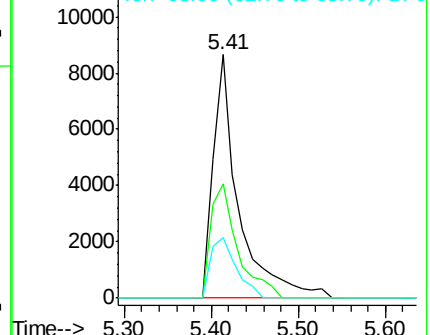
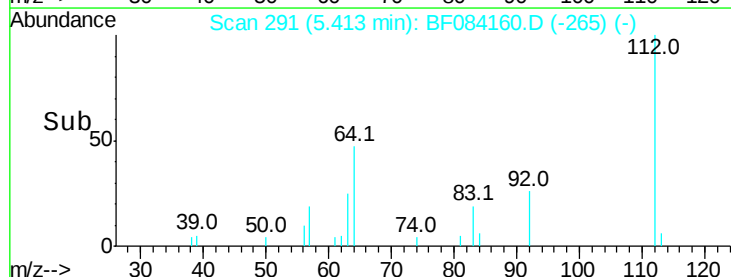
63 25.1 19.4 29.0

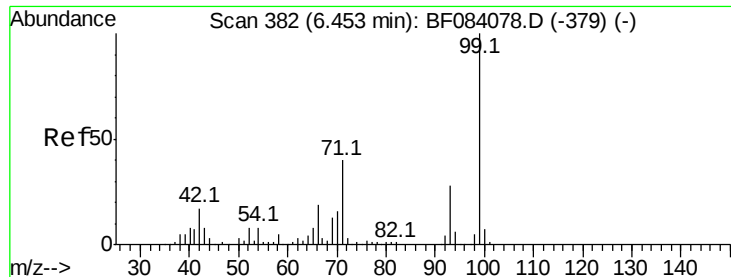


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.38 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

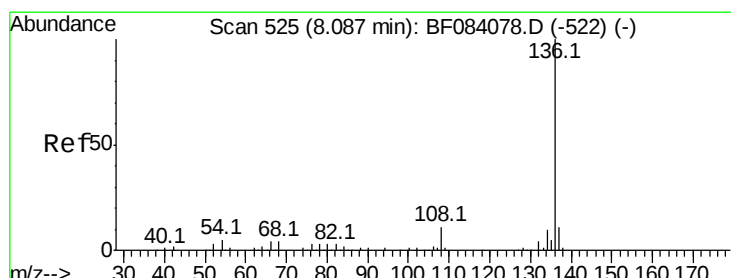
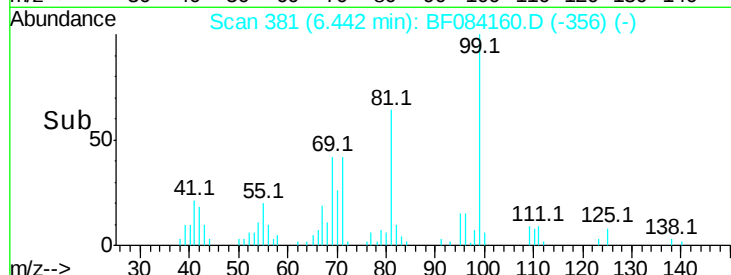
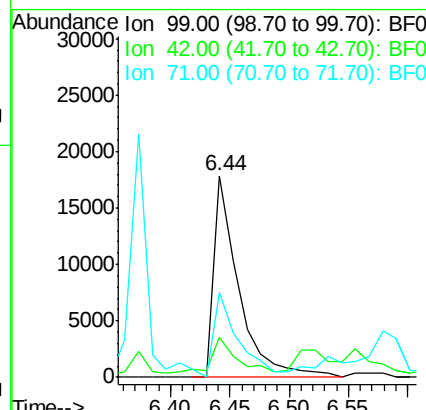
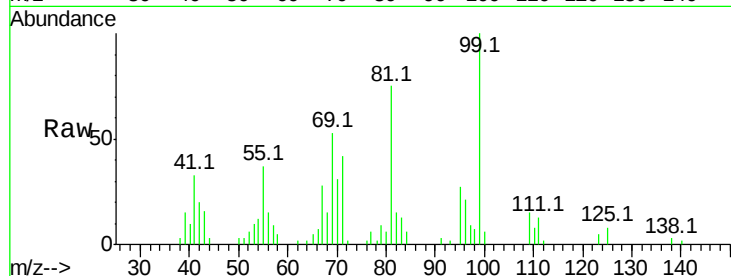
Tot Ion: 99 Resp: 25917

Ion Ratio Lower Upper

99 100

42 19.7 12.8 19.2#

71 42.2 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Tgt Ion: 136 Resp: 173981

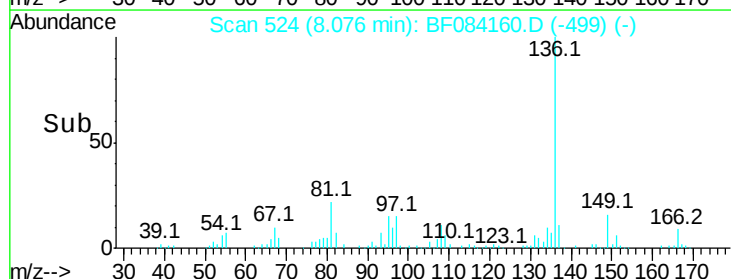
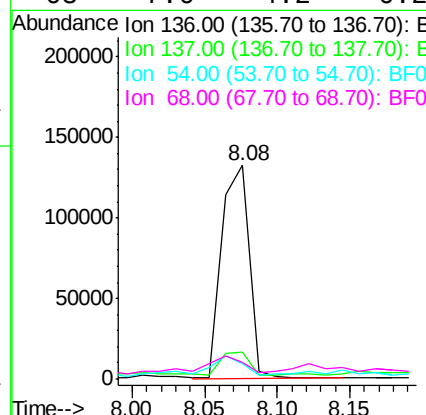
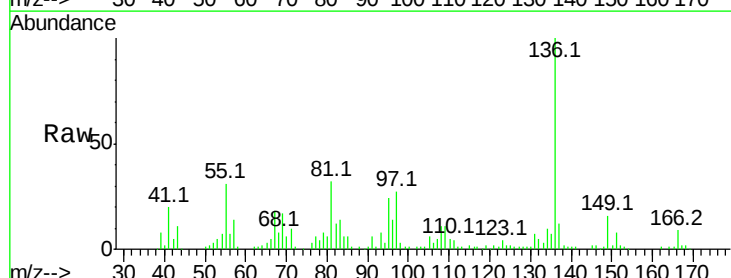
Ion Ratio Lower Upper

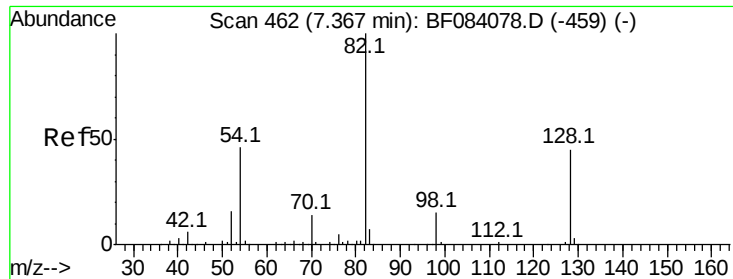
136 100

137 12.4 8.7 13.1

54 7.3 5.8 8.8

68 7.6 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 4.01 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

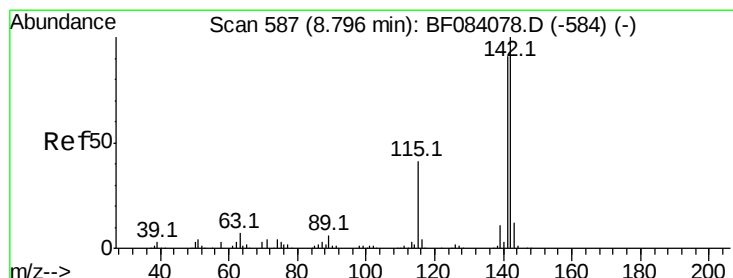
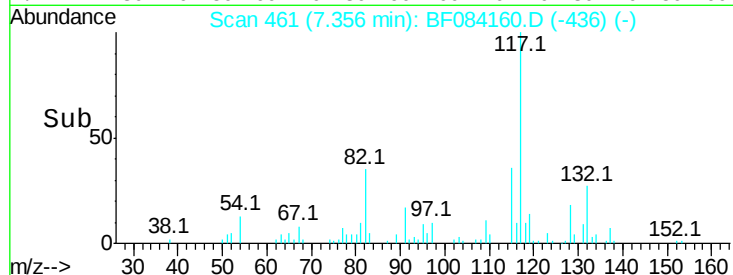
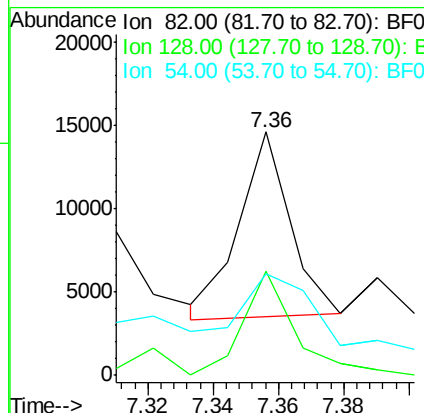
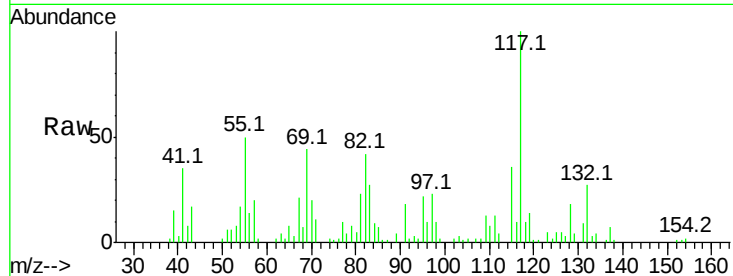
Tot Ion: 82 Resp: 11906

Ion Ratio Lower Upper

82 100

128 43.0 34.6 51.8

54 41.7 38.4 57.6



#37

2-Methylnaphthalene

Concen: 33.60 ng

RT: 8.78 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

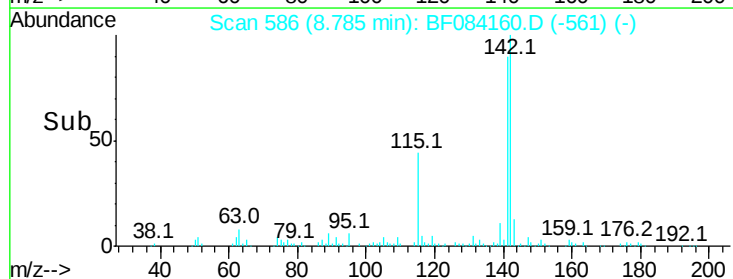
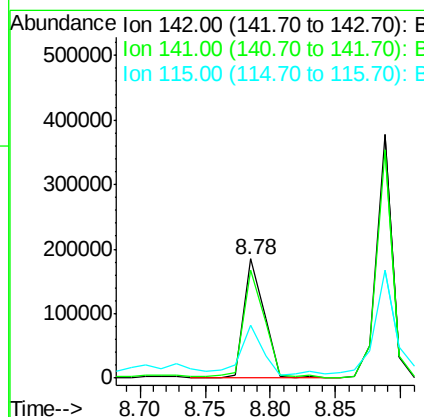
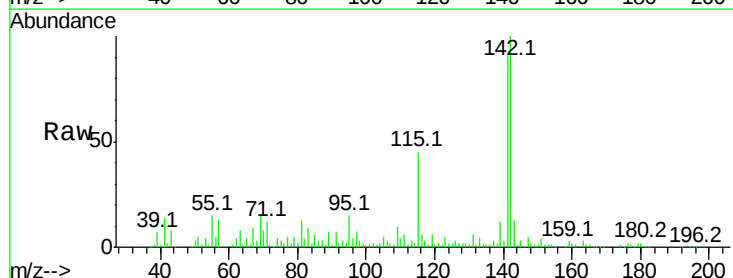
Tgt Ion:142 Resp: 194701

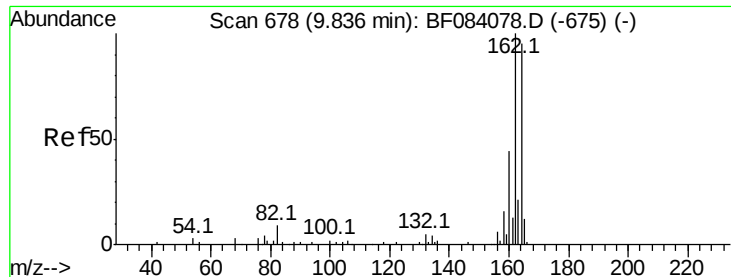
Ion Ratio Lower Upper

142 100

141 90.9 72.4 108.6

115 44.6 27.9 41.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

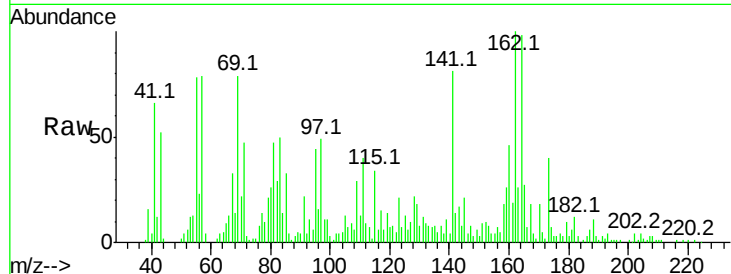
Tot Ion:164 Resp: 79157

Ion Ratio Lower Upper

164 100

162 102.4 85.1 127.7

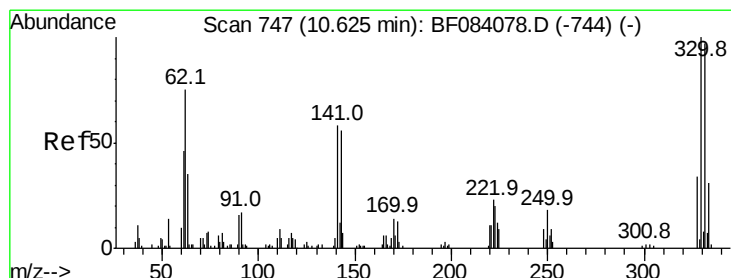
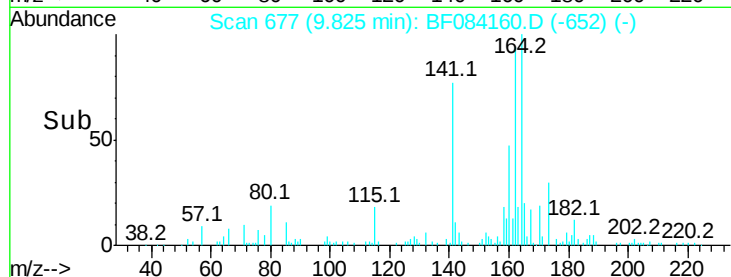
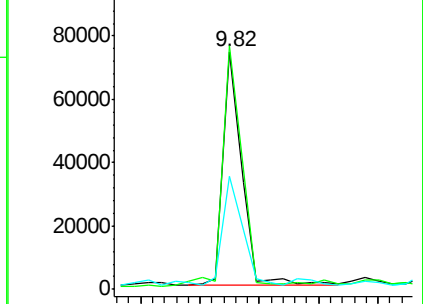
160 47.5 37.5 56.3



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: 4.74 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

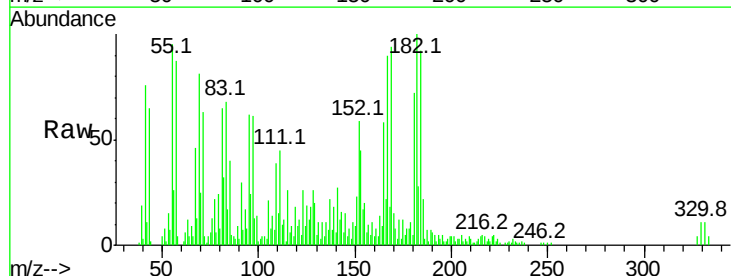
Tgt Ion:330 Resp: 4004

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

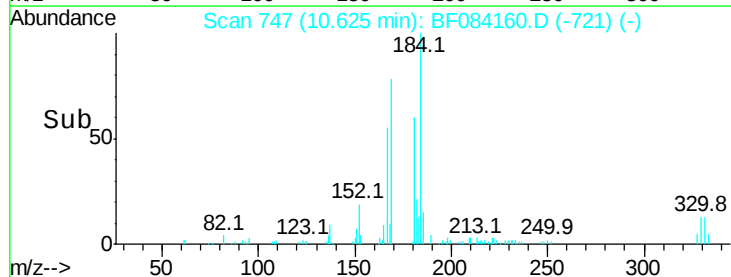
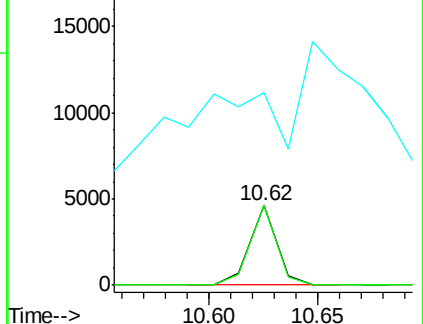
141 205.8 27.8 41.6#

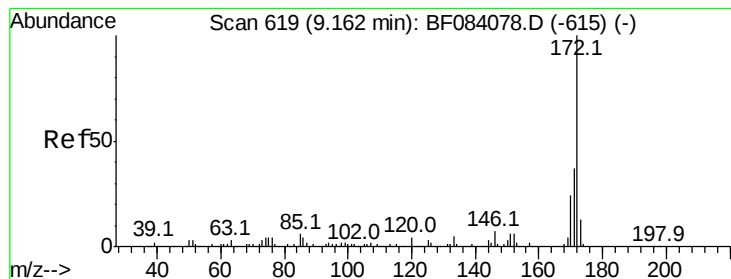


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 4.95 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

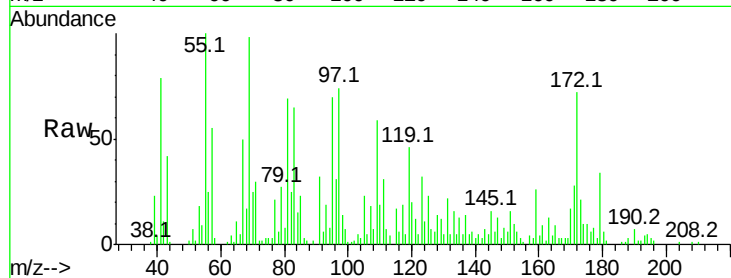
Tot Ion:172 Resp: 28655

Ion Ratio Lower Upper

172 100

171 38.5 28.9 43.3

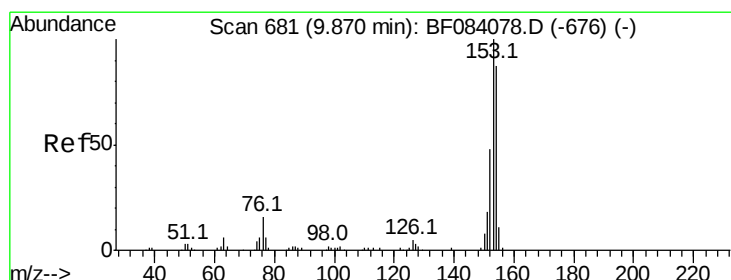
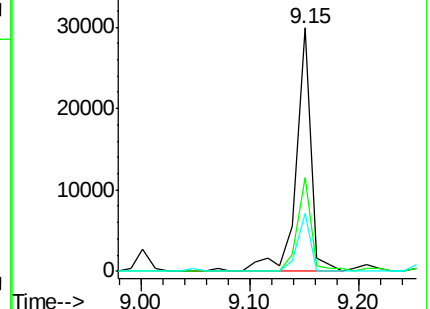
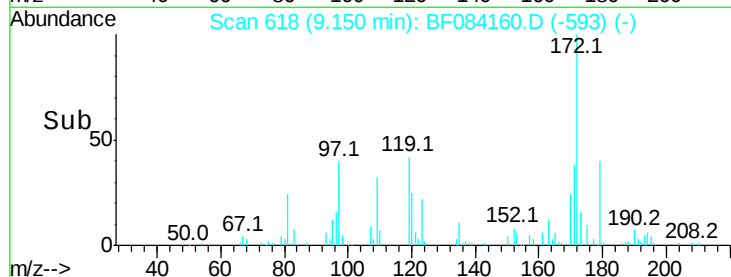
170 23.7 18.6 27.8



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



#51

Acenaphthene

Concen: 8.12 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

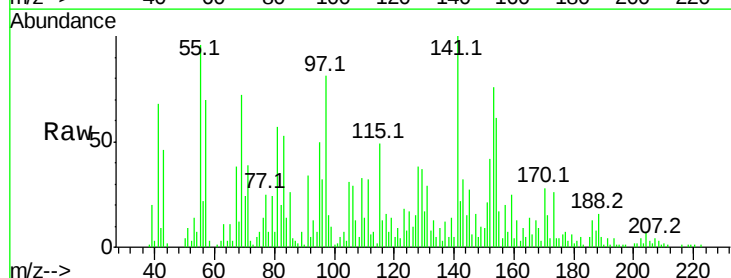
Tgt Ion:154 Resp: 42161

Ion Ratio Lower Upper

154 100

153 124.3 91.5 137.3

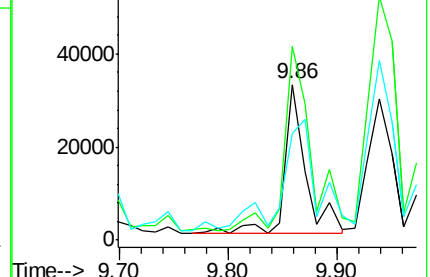
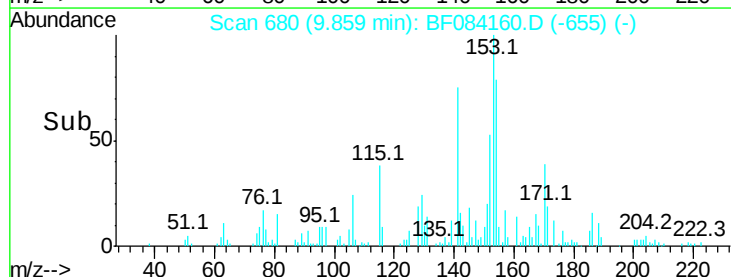
152 68.6 43.0 64.6#

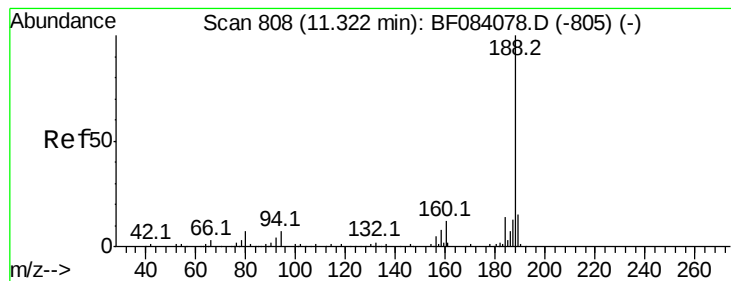


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

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ClientSampleId :

PJ-SB-300(16.0-16.5)

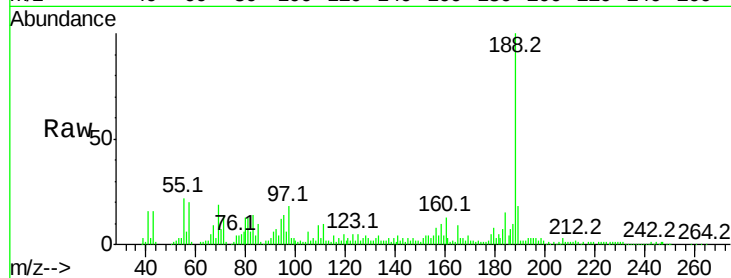
Tot Ion:188 Resp: 130834

Ion Ratio Lower Upper

188 100

94 12.0 9.0 13.4

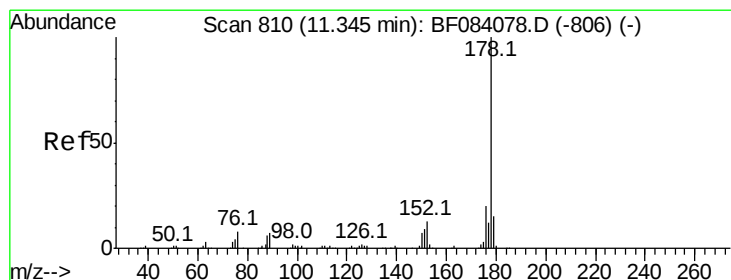
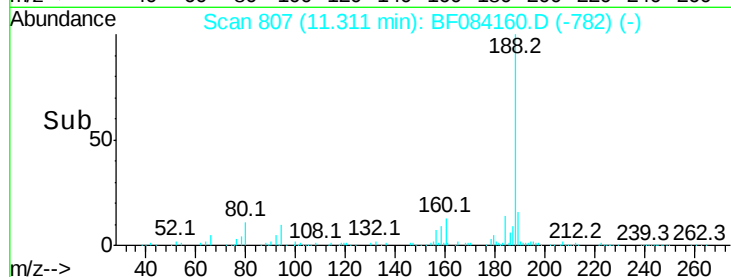
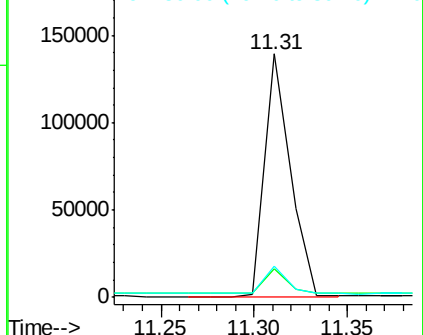
80 13.0 9.6 14.4



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



#70

Phenanthrene

Concen: 27.21 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

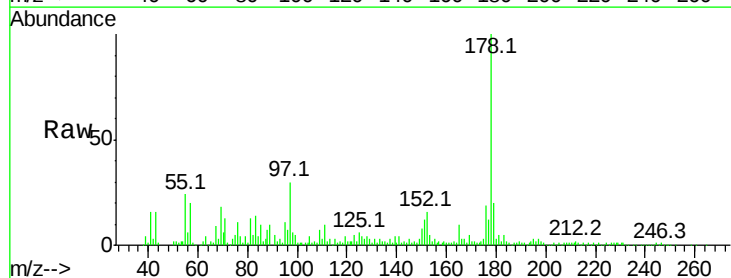
Tgt Ion:178 Resp: 211012

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

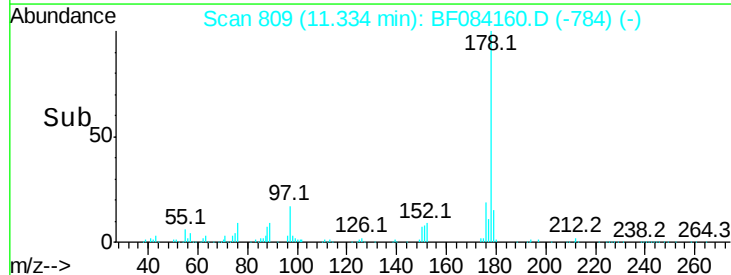
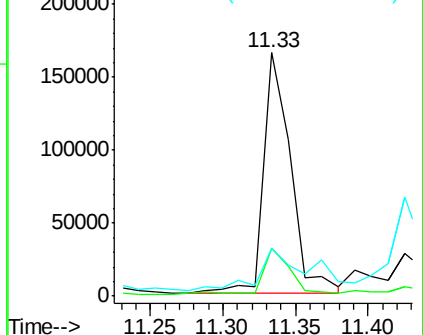
179 19.5 12.0 18.0#

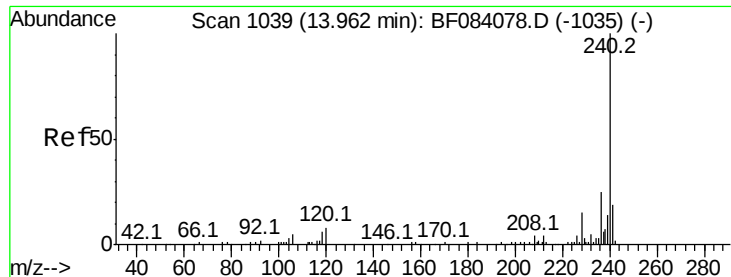


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

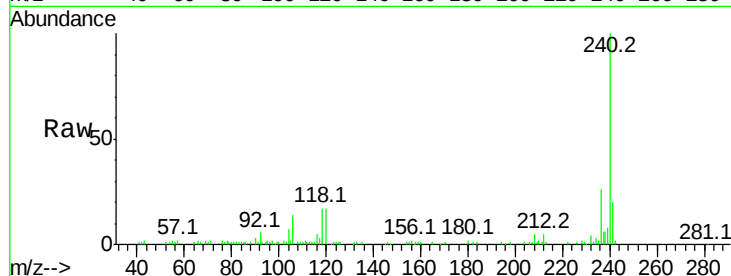
Tot Ion:240 Resp: 96640

Ion Ratio Lower Upper

240 100

120 17.3 9.5 14.3#

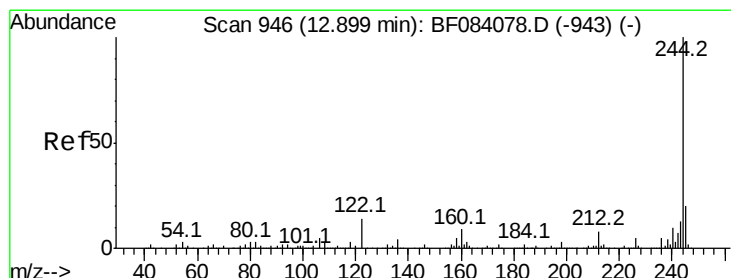
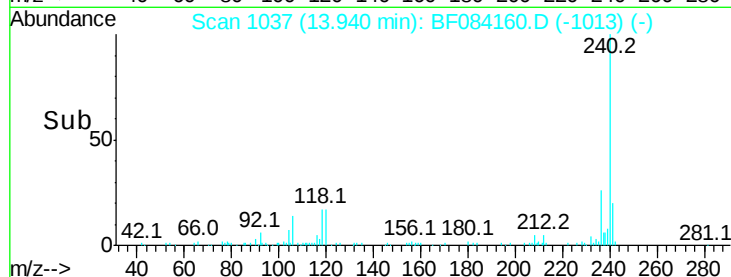
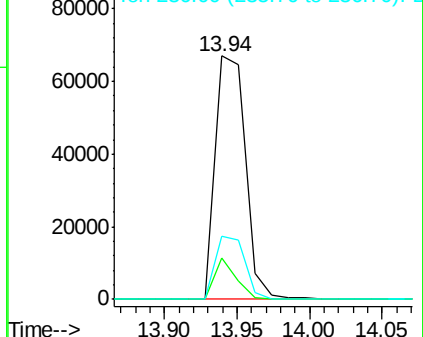
236 25.7 20.6 31.0



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



#78

Terphenyl-d14

Concen: 3.24 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

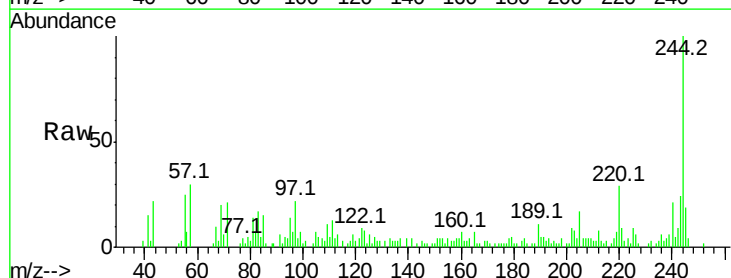
Tgt Ion:244 Resp: 17293

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

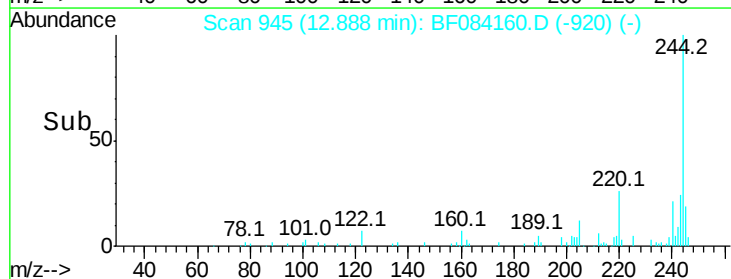
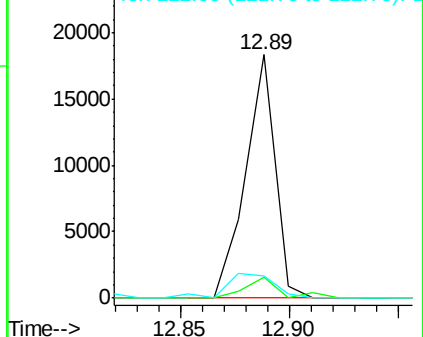
122 8.9 7.4 11.0

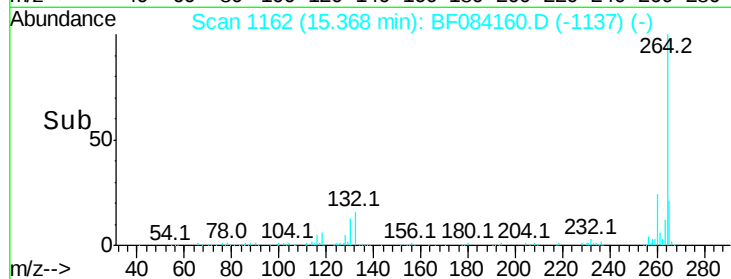
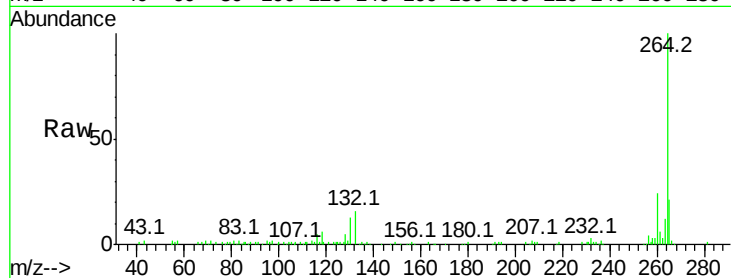
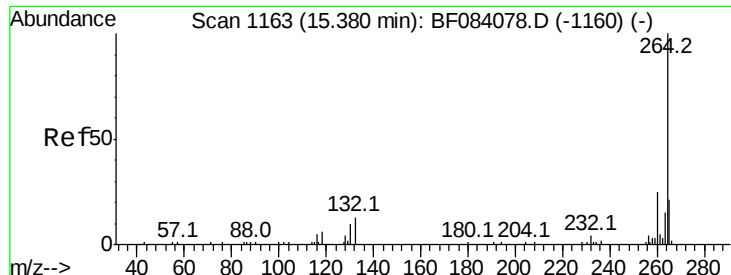


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF084160.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

Tot Ion:264 Resp: 104356

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 20.8 17.8 26.6

