

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
 Data File : BF082245.D
 Acq On : 13 Oct 2015 6:00
 Operator : UM/IZ
 Sample : G3990-23
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-PCB-2

Quant Time: Oct 13 10:39:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

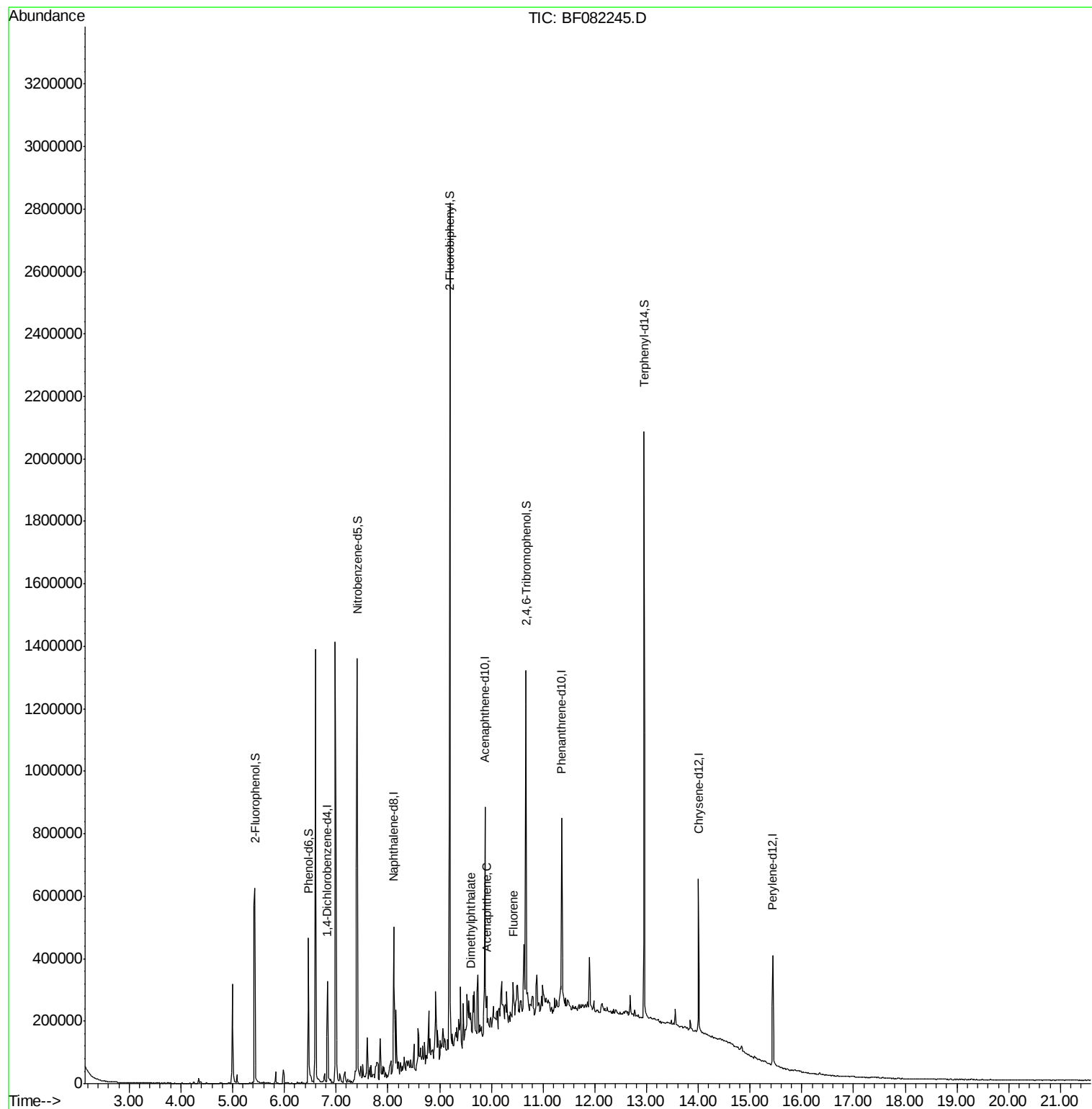
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	64933	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	249002	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	131641	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	234082	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	204498	20.00	ng	-0.01
86) Perylene-d12	15.44	264	173140	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	270481	84.07	ng	0.00
7) Phenol-d6	6.47	99	212604	50.78	ng	-0.01
23) Nitrobenzene-d5	7.41	82	496118	133.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	217597	176.26	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	881497	111.05	ng	-0.01
78) Terphenyl-d14	12.95	244	763196	98.90	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	38883	4.19	ng	98
51) Acenaphthene	9.91	154	25349	3.43	ng	98
57) Fluorene	10.42	166	33264	3.99	ng	97

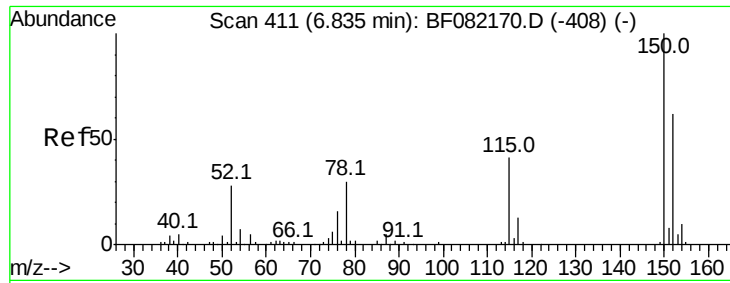
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

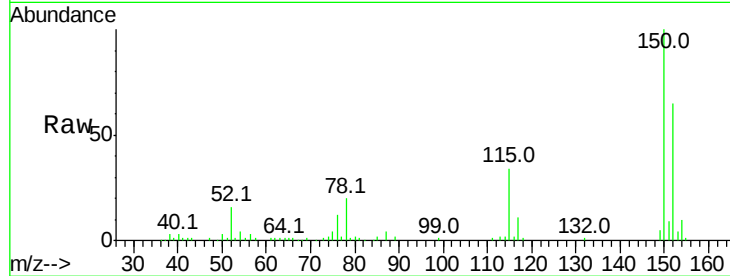
Tot Ion:152 Resp: 64933

Ion Ratio Lower Upper

152 100

150 155.0 129.0 193.4

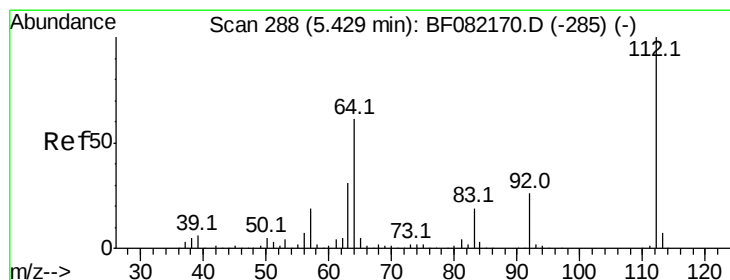
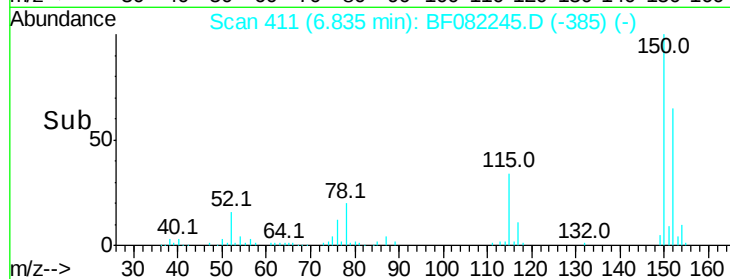
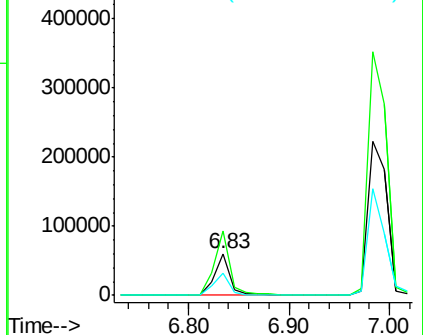
115 52.7 52.1 78.1



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: 84.07 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

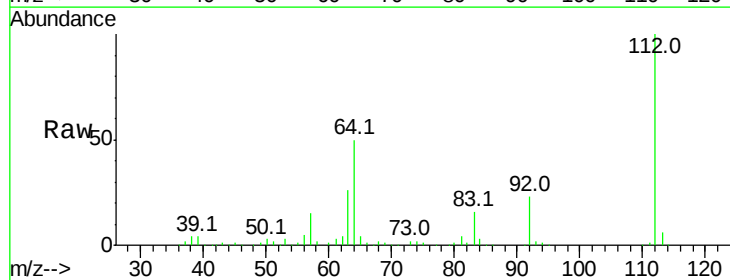
Tgt Ion:112 Resp: 270481

Ion Ratio Lower Upper

112 100

64 49.7 48.6 73.0

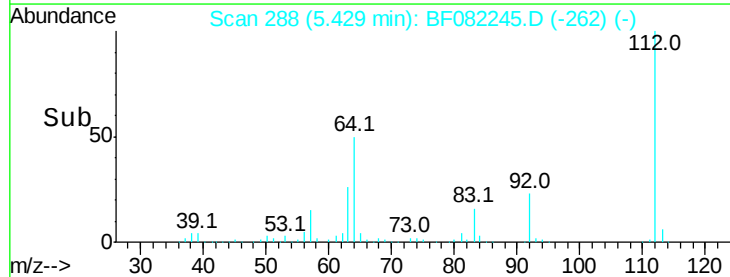
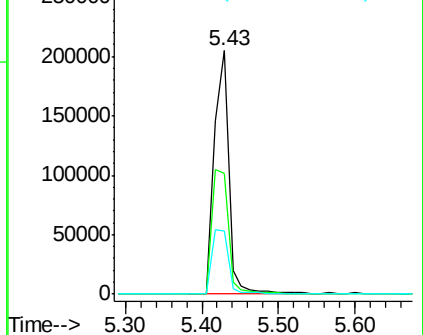
63 25.8 25.1 37.7



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: 50.78 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

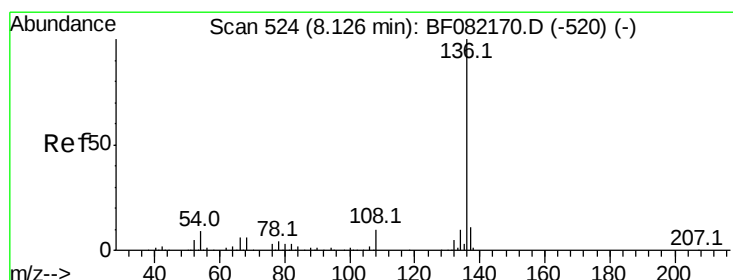
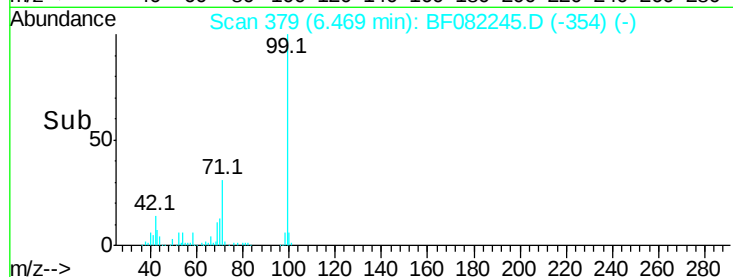
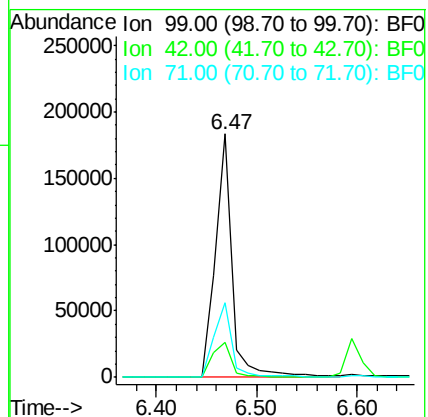
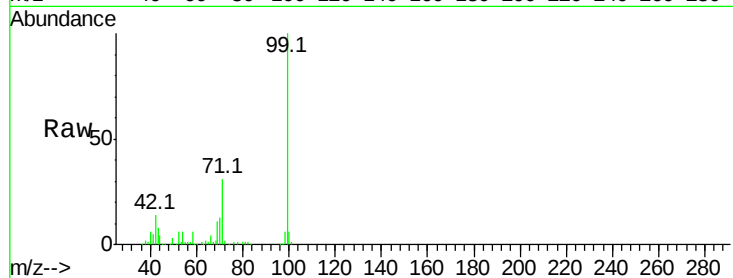
Tot Ion: 99 Resp: 212604

Ion Ratio Lower Upper

99 100

42 14.4 13.2 19.8

71 30.5 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Tgt Ion: 136 Resp: 249002

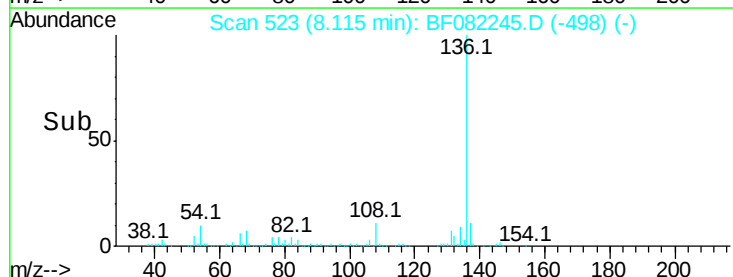
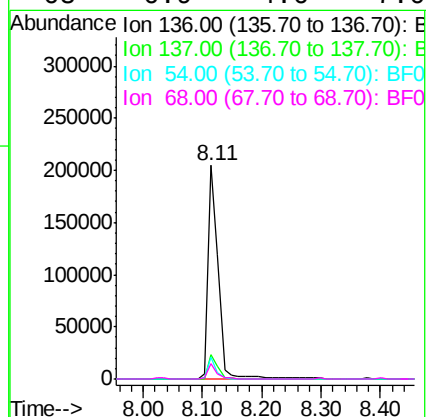
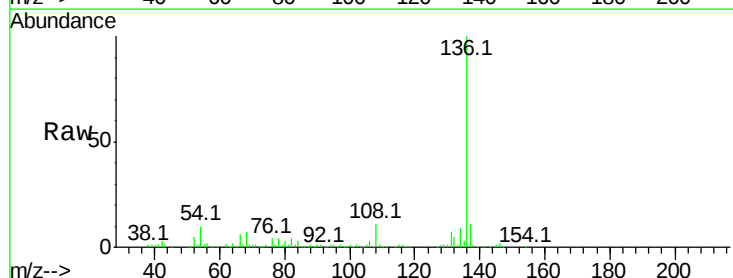
Ion Ratio Lower Upper

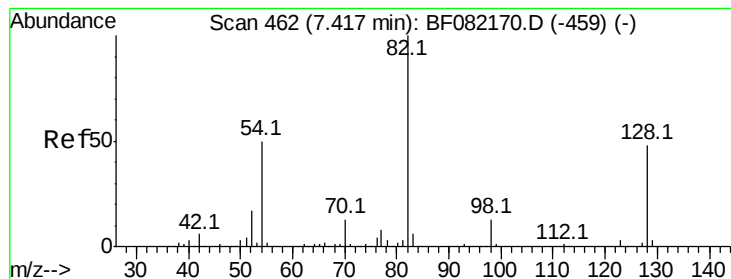
136 100

137 11.4 9.0 13.6

54 10.4 7.5 11.3

68 6.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 133.80 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

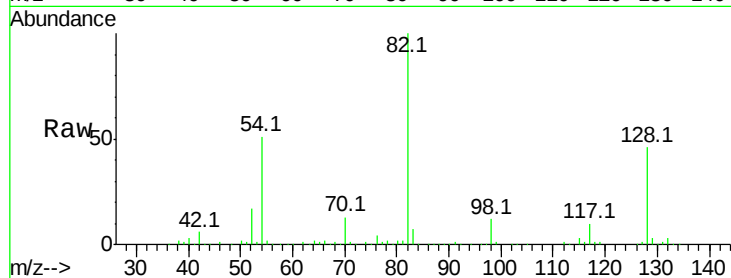
Tot Ion: 82 Resp: 496118

Ion Ratio Lower Upper

82 100

128 46.2 38.7 58.1

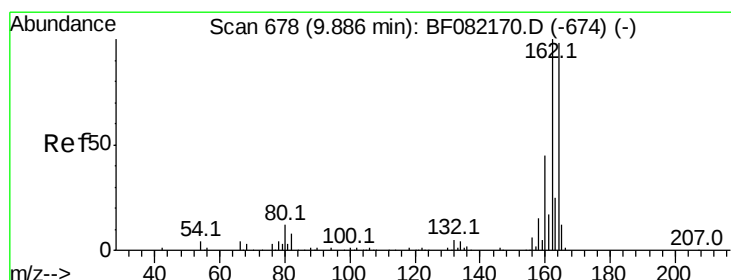
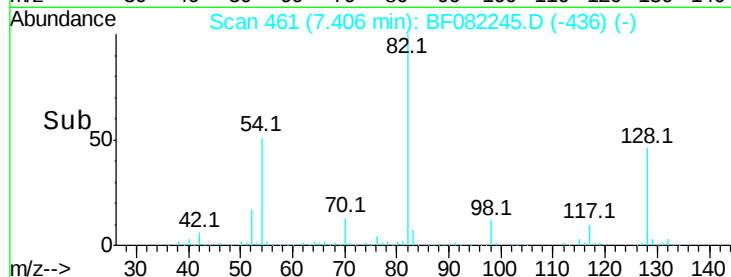
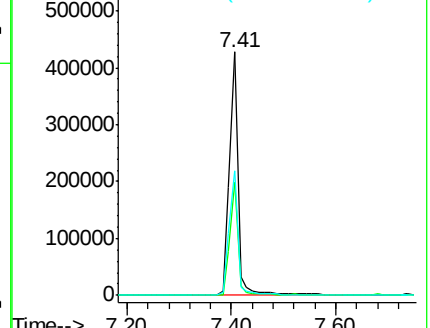
54 51.4 40.1 60.1



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: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

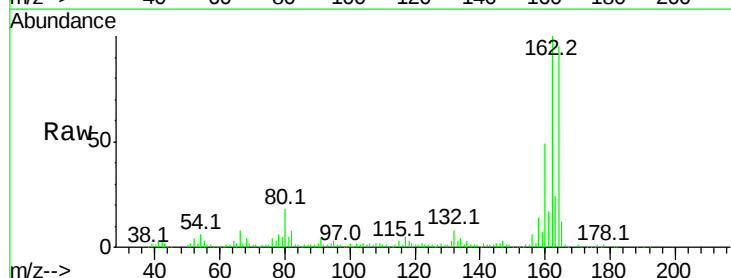
Tgt Ion: 164 Resp: 131641

Ion Ratio Lower Upper

164 100

162 105.5 81.6 122.4

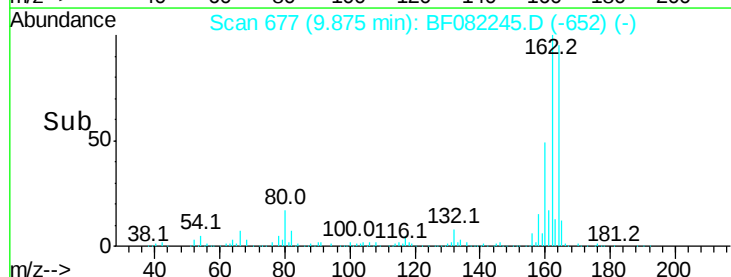
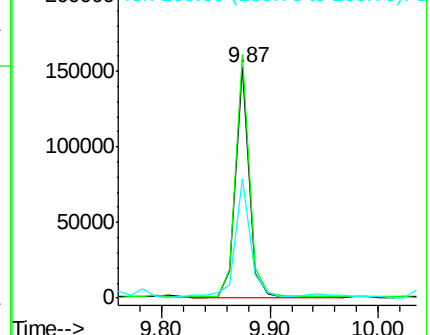
160 51.6 36.4 54.6

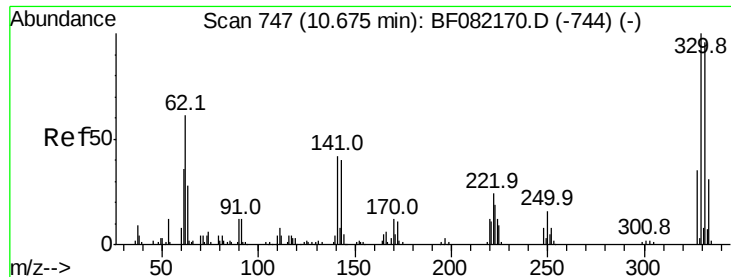


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

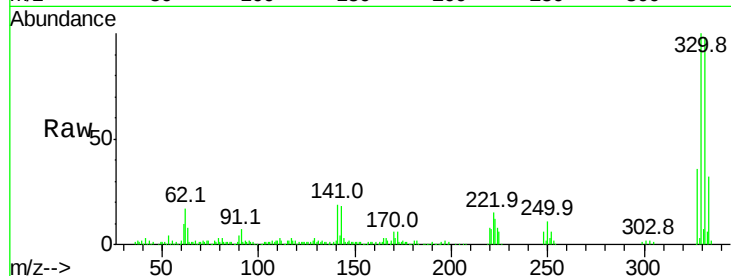




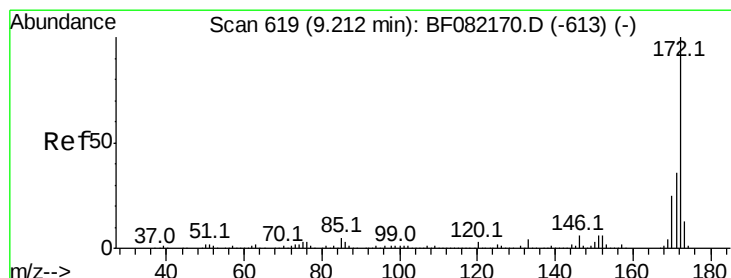
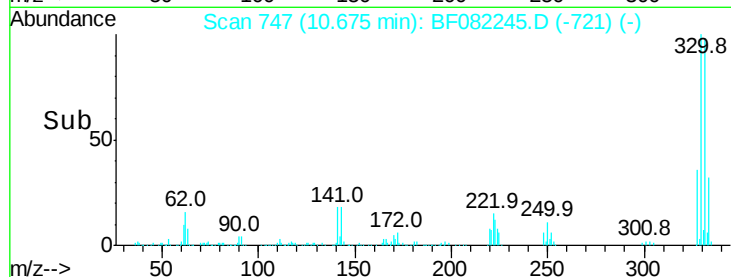
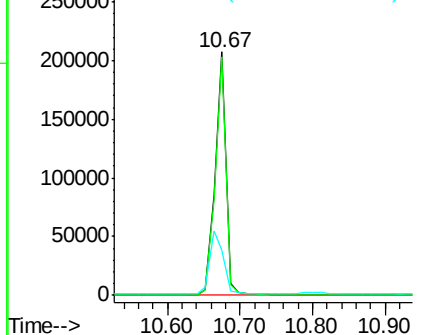
#41
 2,4,6-Tribromophenol
 Concen: 176.26 ng
 RT: 10.67 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: BF082245.D
 Acq: 13 Oct 2015 6:00

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-PCB-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	32.6	29.8	44.8

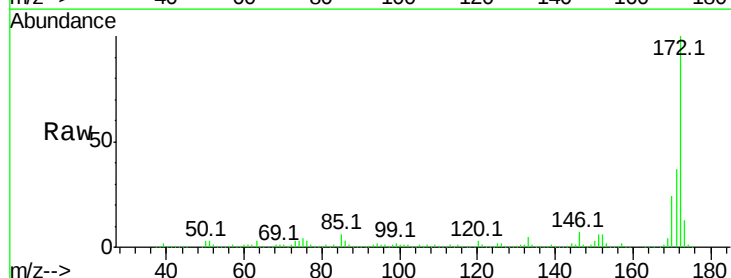


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

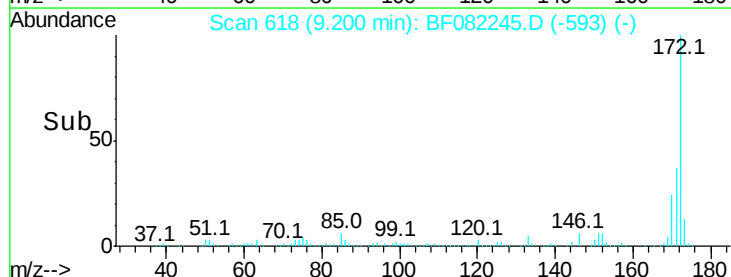
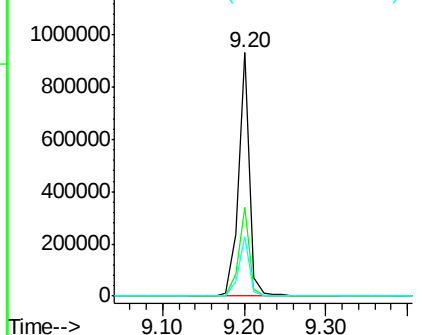


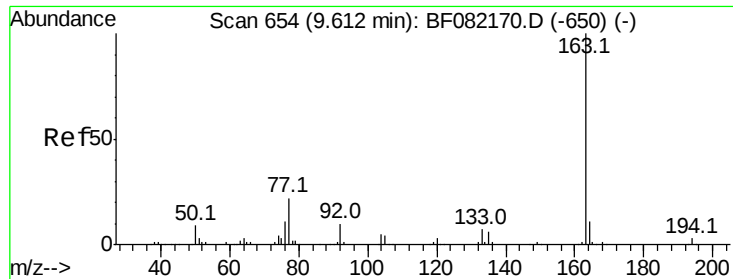
#44
 2-Fluorobiphenyl
 Concen: 111.05 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082245.D
 Acq: 13 Oct 2015 6:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	42.8
170	24.3	19.7	29.5



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: 4.19 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

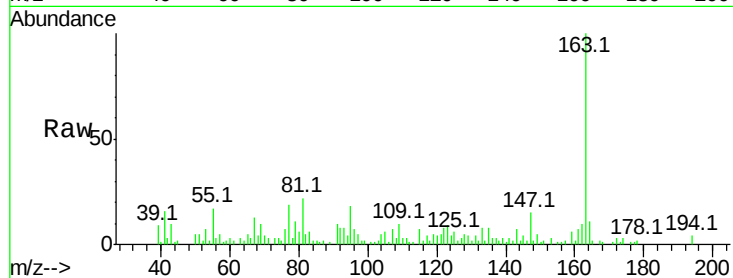
Tot Ion:163 Resp: 38883

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

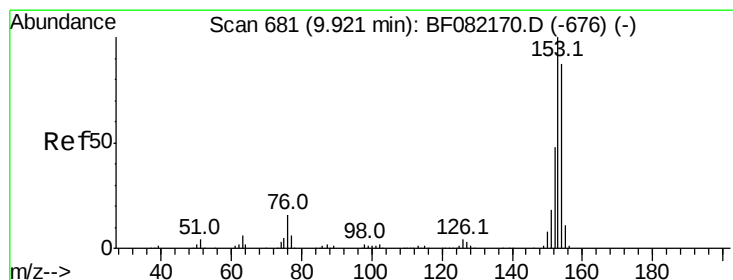
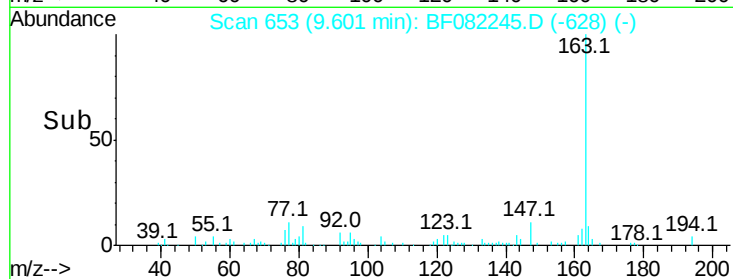
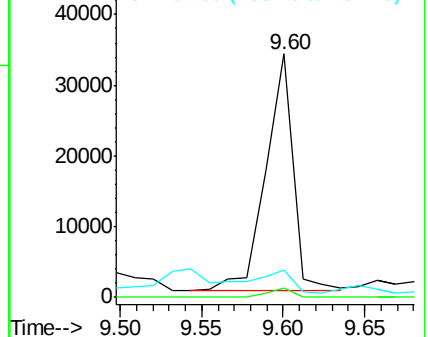
164 11.2 8.5 12.7



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



#51

Acenaphthene

Concen: 3.43 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

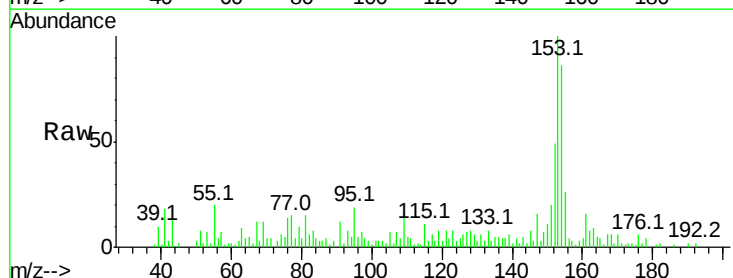
Tgt Ion:154 Resp: 25349

Ion Ratio Lower Upper

154 100

153 116.4 91.4 137.2

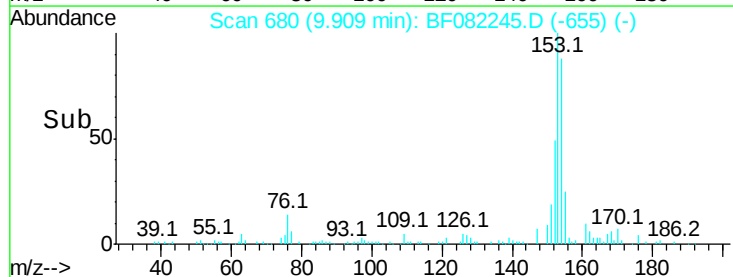
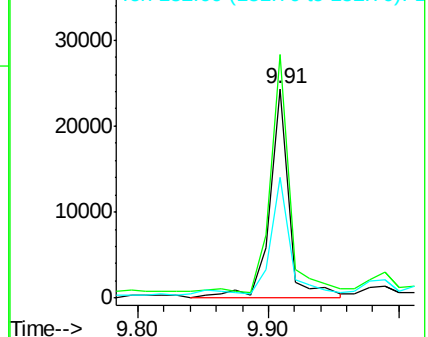
152 57.5 44.3 66.5

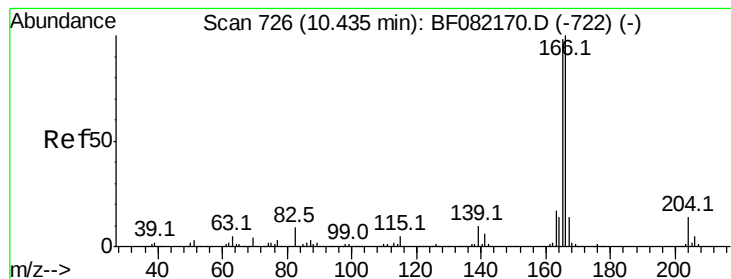


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 3.99 ng

RT: 10.42 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

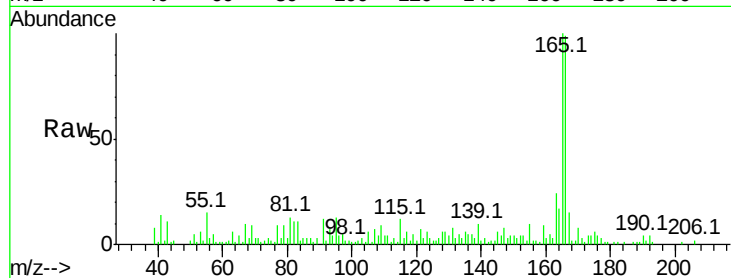
Tot Ion:166 Resp: 33264

Ion Ratio Lower Upper

166 100

165 101.1 78.3 117.5

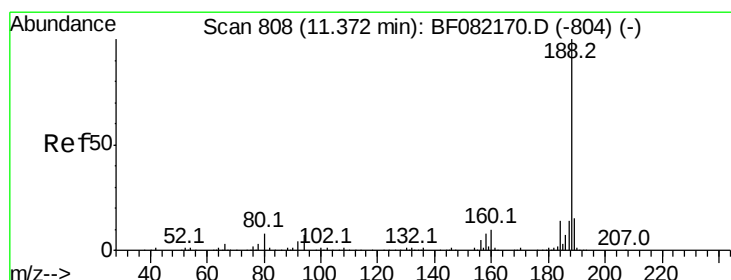
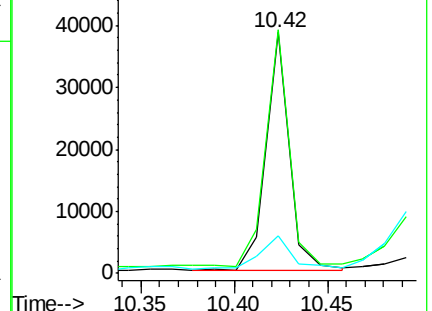
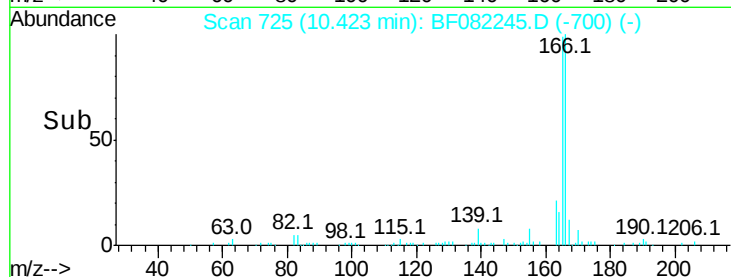
167 15.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

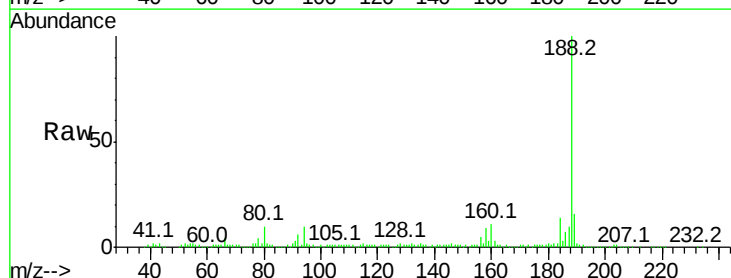
Tgt Ion:188 Resp: 234082

Ion Ratio Lower Upper

188 100

94 9.6 5.8 8.6#

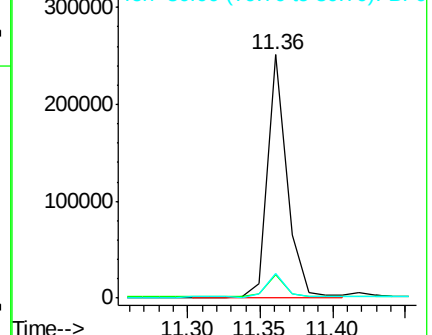
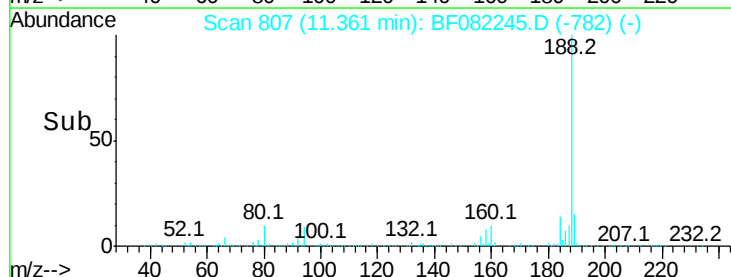
80 10.2 6.4 9.6#

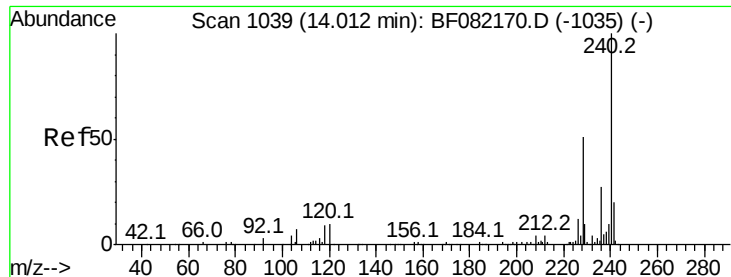


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB-2

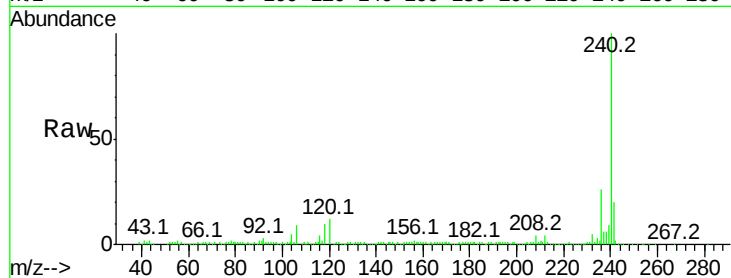
Tot Ion:240 Resp: 204498

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

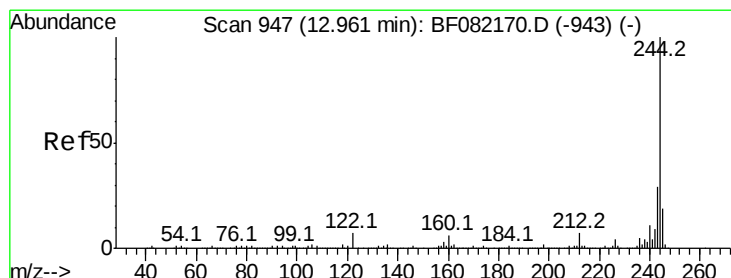
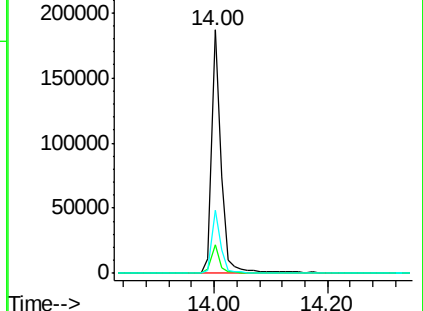
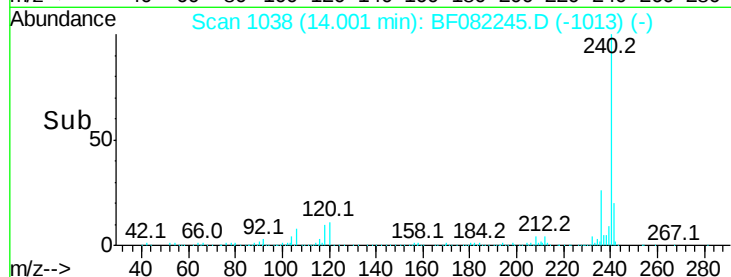
236 25.8 21.3 31.9



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: 98.90 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082245.D

Acq: 13 Oct 2015 6:00

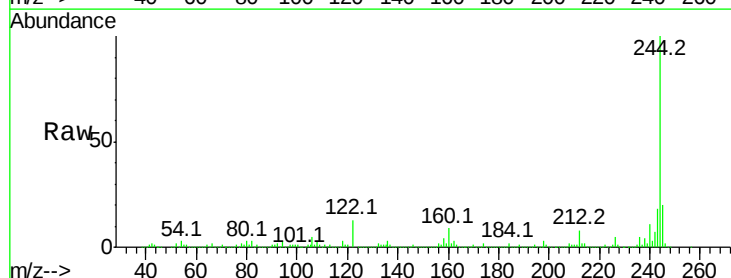
Tgt Ion:244 Resp: 763196

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.6

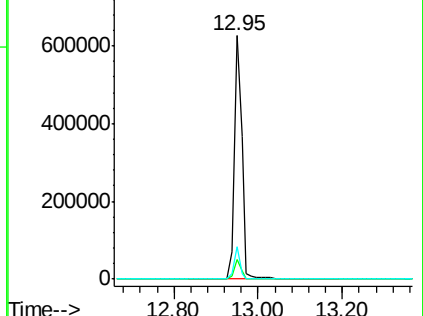
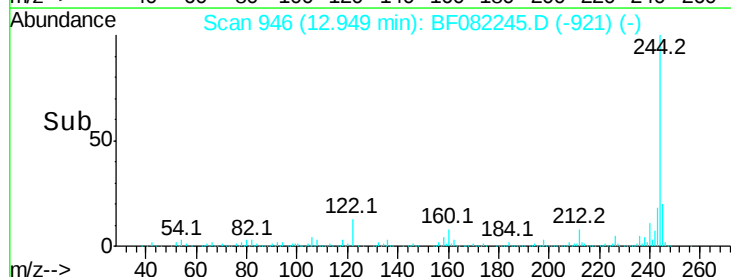
122 13.2 5.9 8.9#

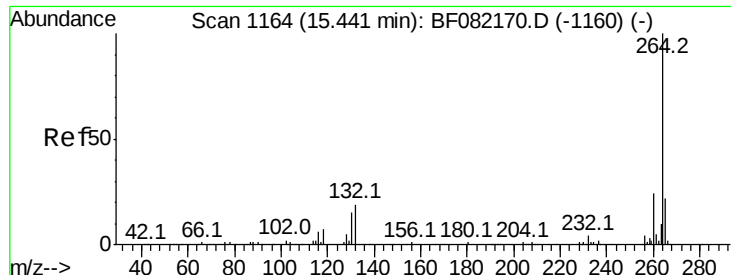


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

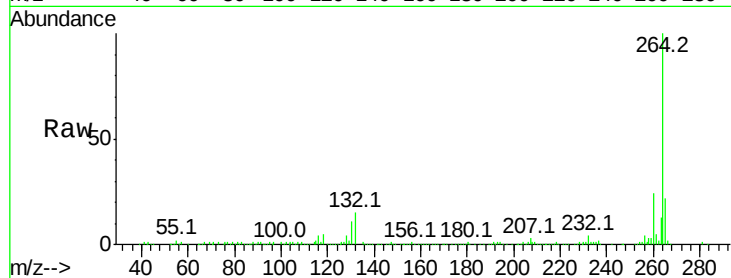




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082245.D
Acq: 13 Oct 2015 6:00

Instrument :
BNA_F
ClientSampleId :
TE-PMW-PCB-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.9	17.3	25.9



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

