

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\
 Data File : BF084914.D
 Acq On : 6 Feb 2016 16:21
 Operator : SJ/IZ
 Sample : H1330-02
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(21-23)

Quant Time: Feb 08 02:47:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

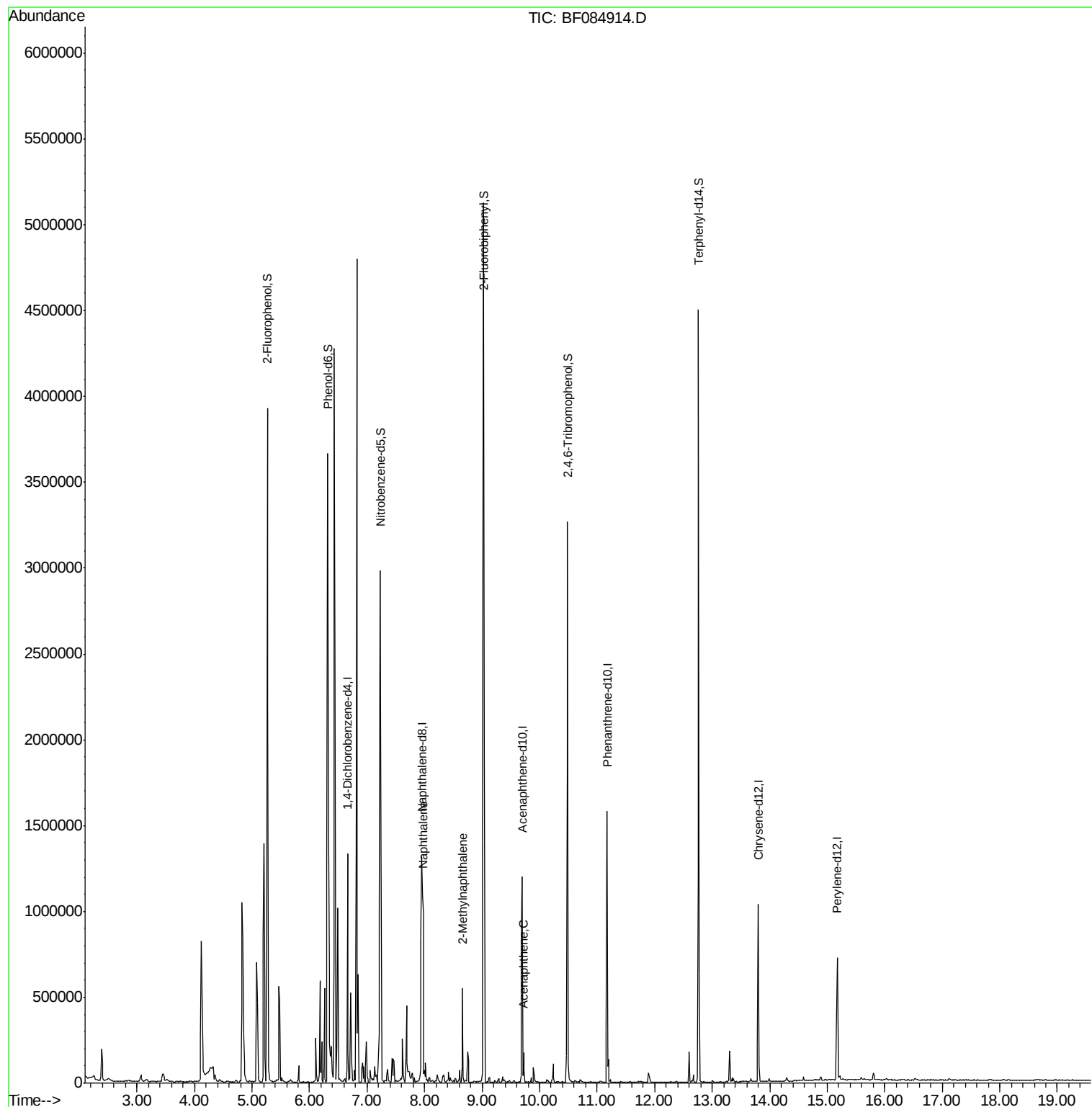
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	170815	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	710209	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	302178	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	537244	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	344450	20.00	ng	-0.03
86) Perylene-d12	15.17	264	329288	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1433354	130.70	ng	-0.01
7) Phenol-d6	6.32	99	1569615	115.45	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1145718	90.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	457275	145.08	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1944369	134.06	ng	-0.03
78) Terphenyl-d14	12.76	244	1417309	93.24	ng	-0.03
Target Compounds						
31) Naphthalene	7.97	128	697104	19.57	ng	98
37) 2-Methylnaphthalene	8.66	142	135252	6.07	ng	99
51) Acenaphthene	9.72	154	43820	2.23	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: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084914.D

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Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

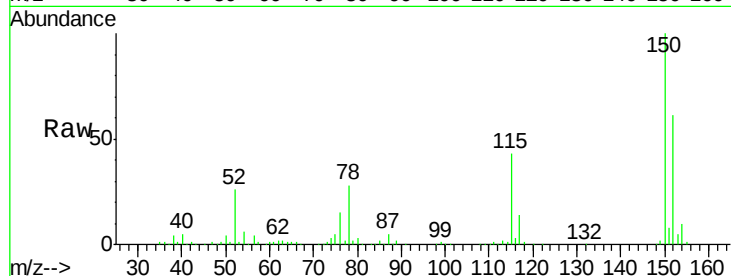
Tot Ion:152 Resp: 170815

Ion Ratio Lower Upper

152 100

150 163.3 123.0 184.4

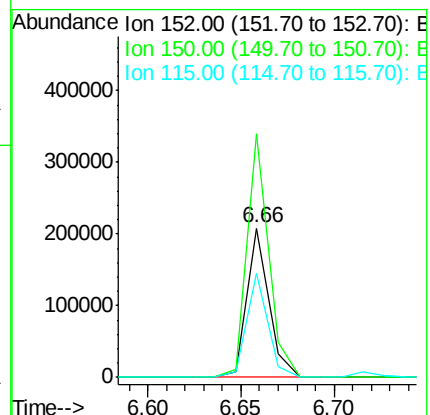
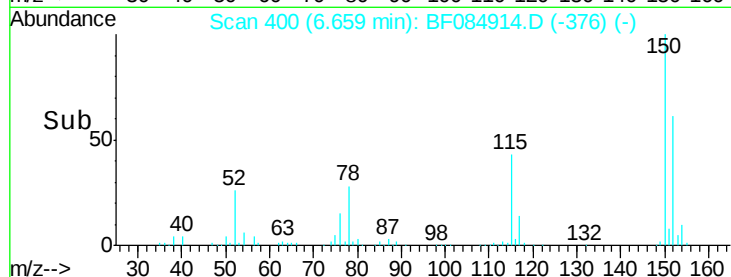
115 70.0 51.4 77.2



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: 130.70 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

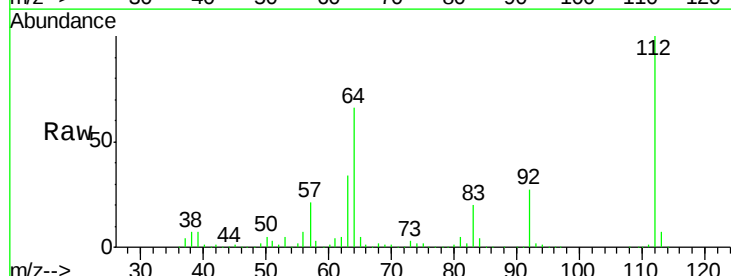
Tgt Ion:112 Resp: 1433354

Ion Ratio Lower Upper

112 100

64 65.9 36.6 55.0#

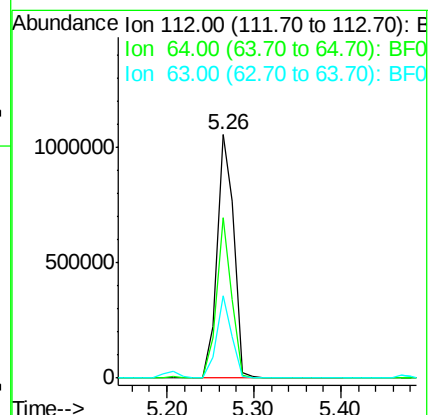
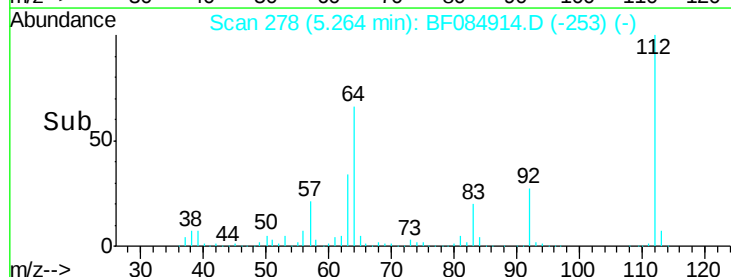
63 33.9 19.4 29.0#



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: 115.45 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

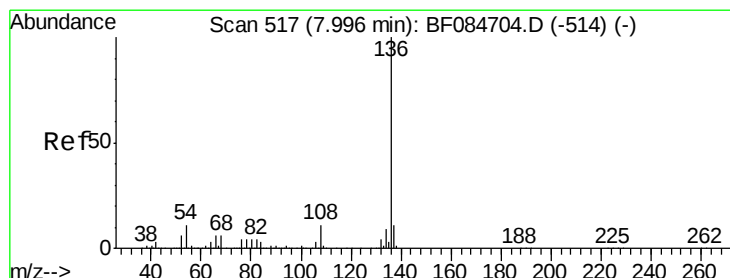
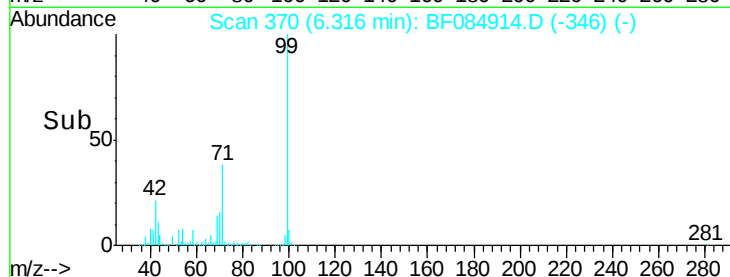
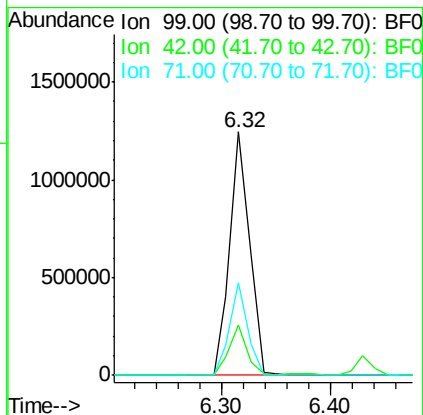
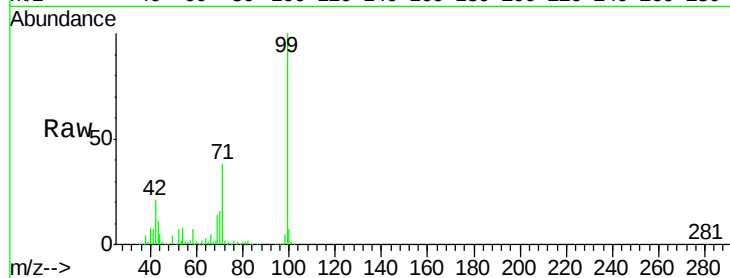
BNA_F

ClientSampleId :

S4-B004(21-23)

Tot Ion: 99 Resp: 1569615

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	38.1	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

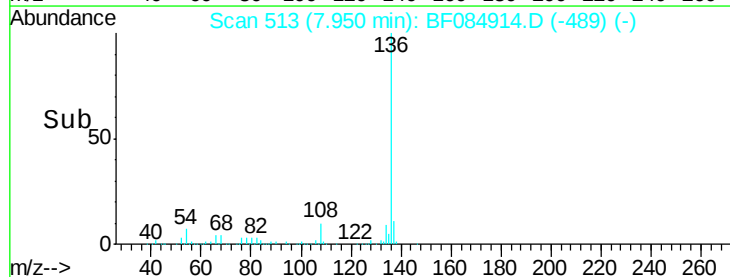
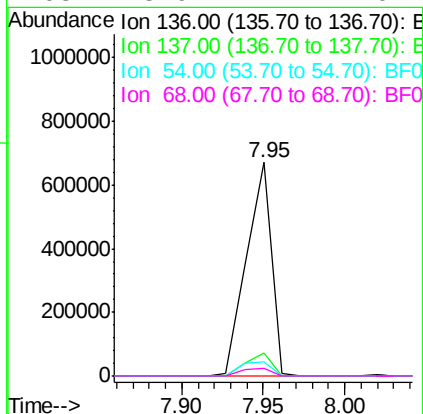
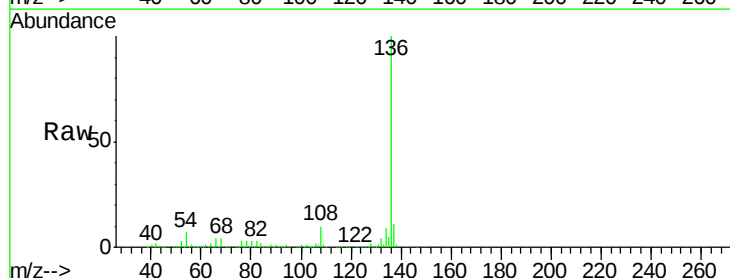
Delta R.T. -0.02 min

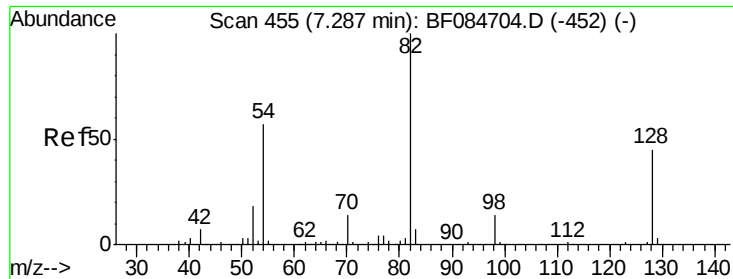
Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Tgt Ion: 136 Resp: 710209

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	6.5	5.8	8.8
68	3.9	4.2	6.2#





#23

Nitrobenzene-d5

Concen: 90.88 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

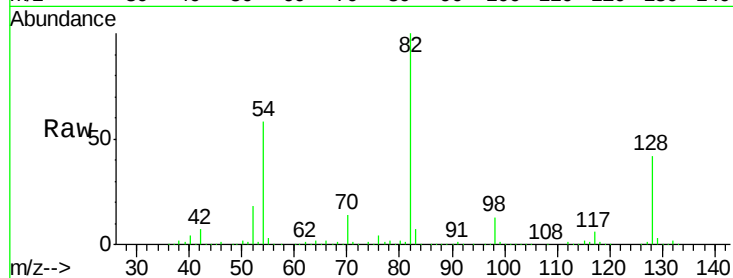
Tot Ion: 82 Resp: 1145718

Ion Ratio Lower Upper

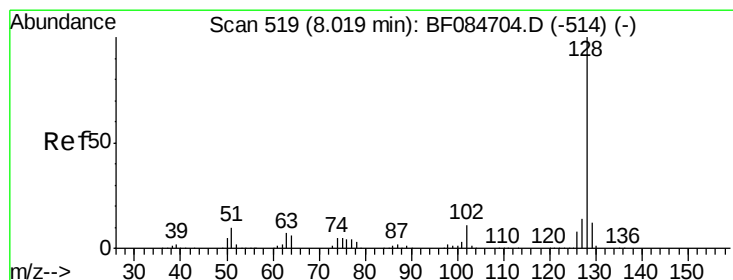
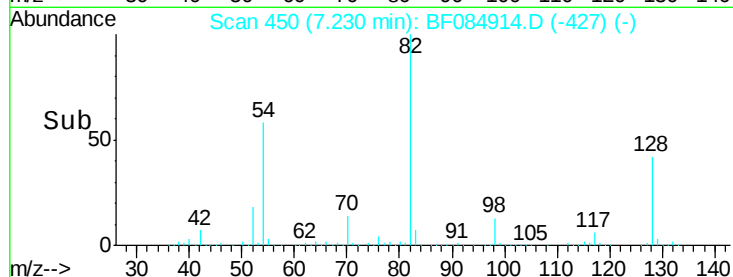
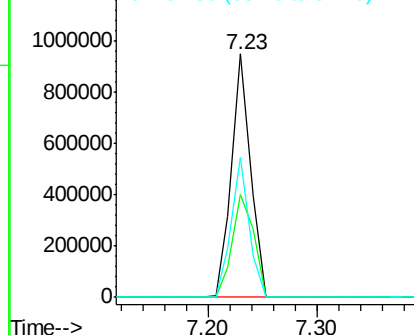
82 100

128 42.4 34.6 51.8

54 57.6 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



#31

Naphthalene

Concen: 19.57 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

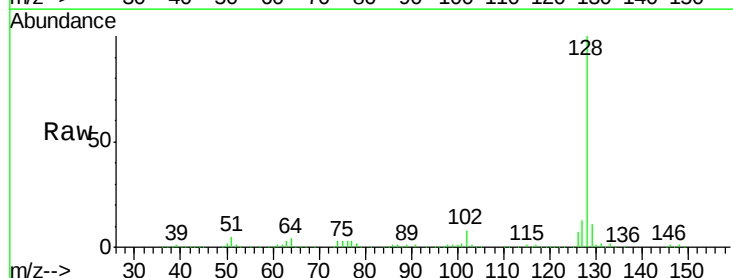
Tgt Ion:128 Resp: 697104

Ion Ratio Lower Upper

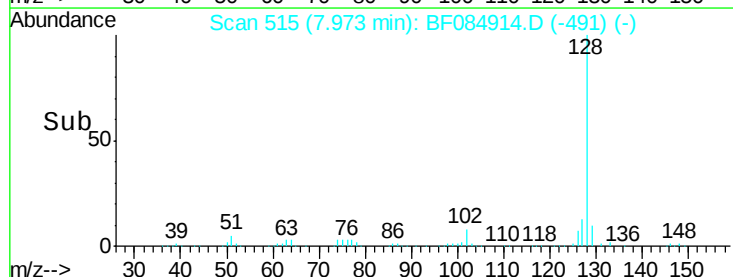
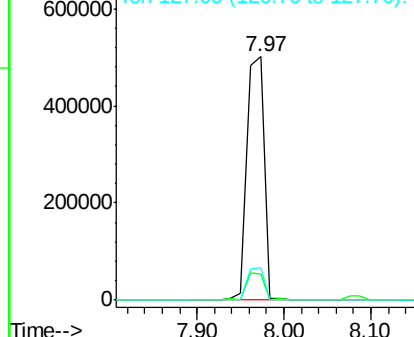
128 100

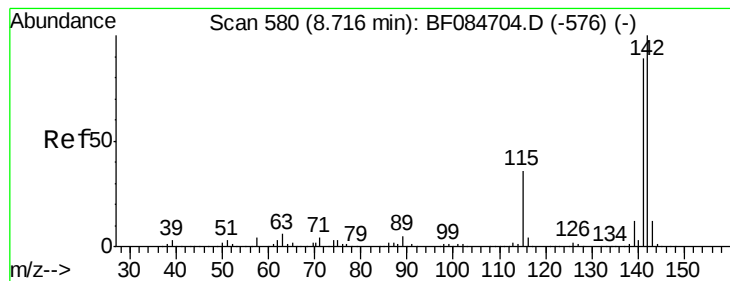
129 10.6 9.1 13.7

127 13.3 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 6.07 ng

RT: 8.66 min Scan# 575

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

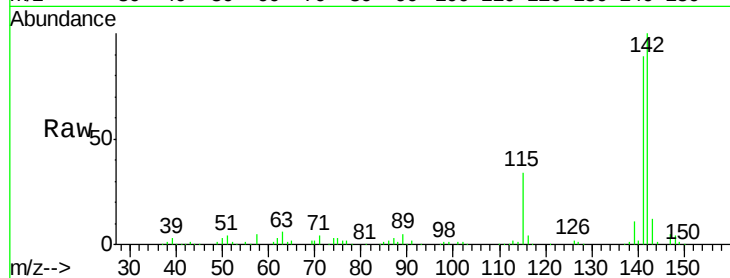
Tot Ion:142 Resp: 135252

Ion Ratio Lower Upper

142 100

141 89.4 72.4 108.6

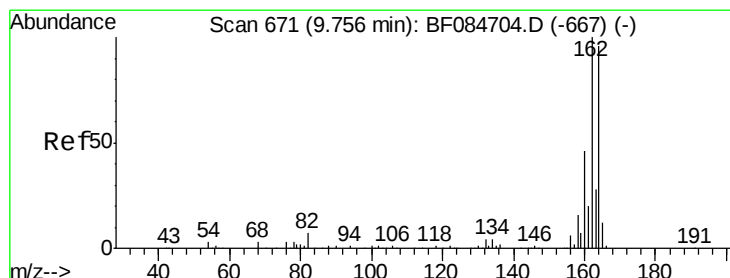
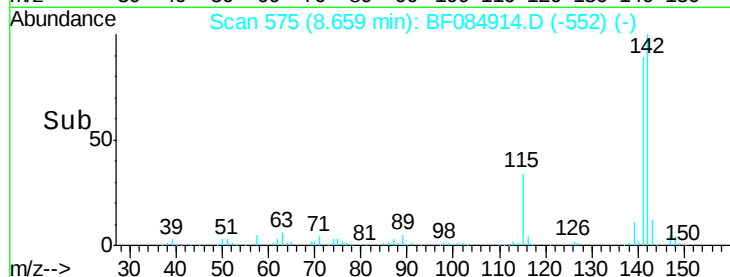
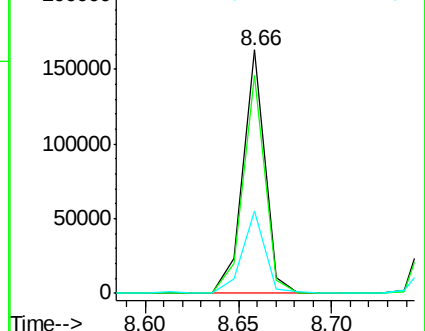
115 34.1 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

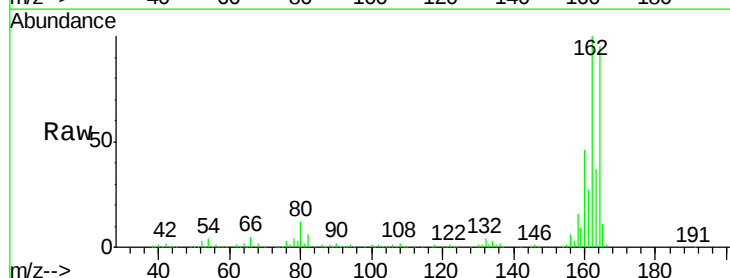
Tgt Ion:164 Resp: 302178

Ion Ratio Lower Upper

164 100

162 105.5 85.1 127.7

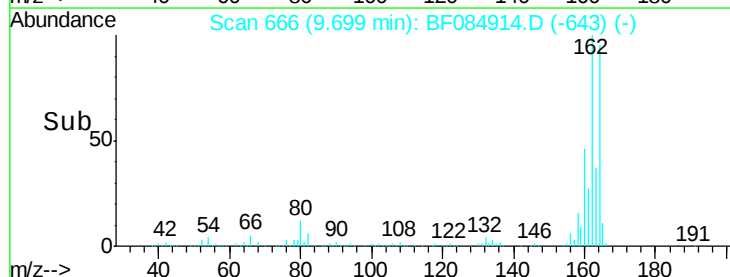
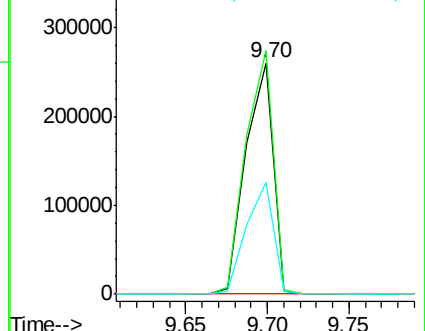
160 48.7 37.5 56.3

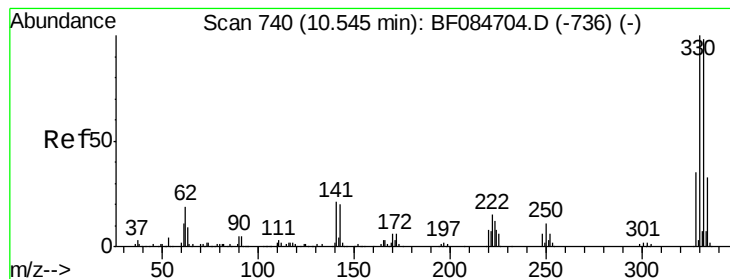


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 145.08 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

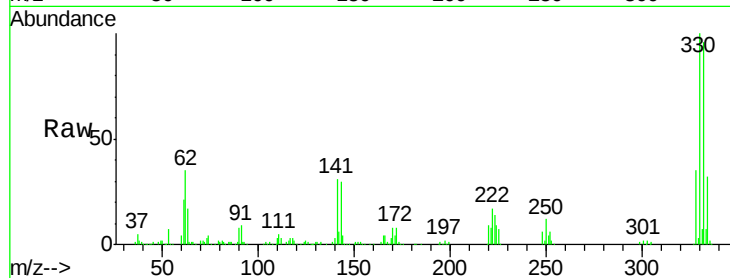
Tot Ion:330 Resp: 457275

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

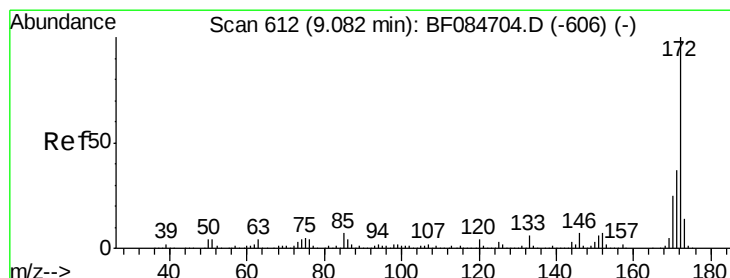
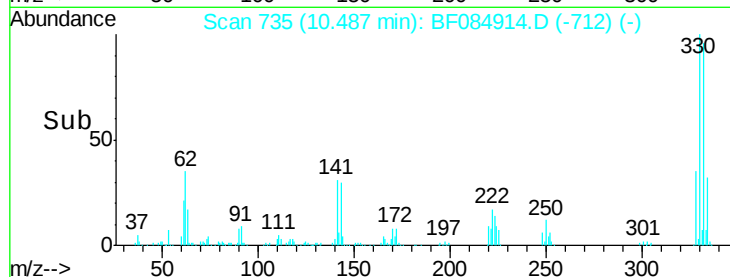
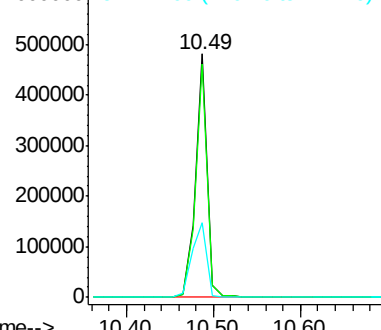
141 38.8 27.8 41.6



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: 134.06 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

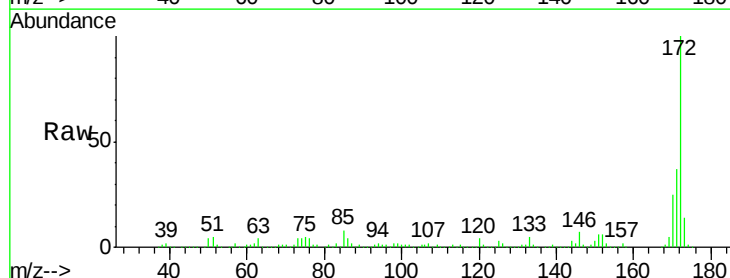
Tgt Ion:172 Resp: 1944369

Ion Ratio Lower Upper

172 100

171 36.9 28.9 43.3

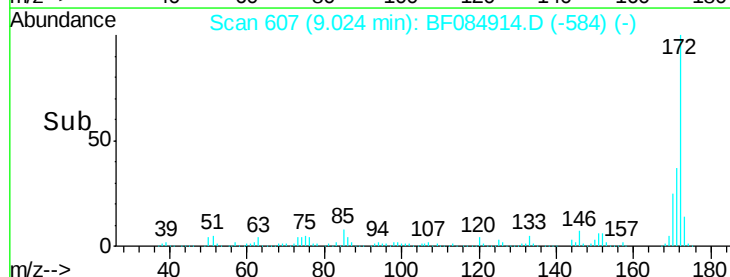
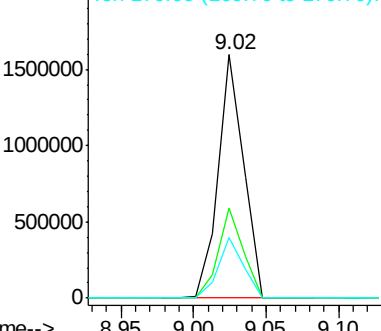
170 24.9 18.6 27.8

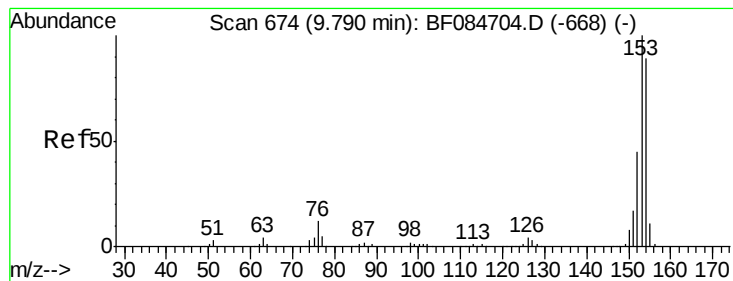


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.23 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.05 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

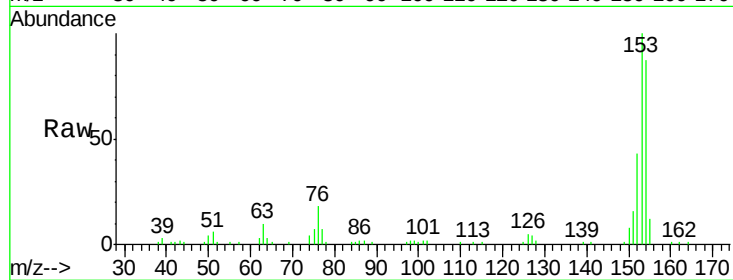
Tot Ion:154 Resp: 43820

Ion Ratio Lower Upper

154 100

153 115.2 91.5 137.3

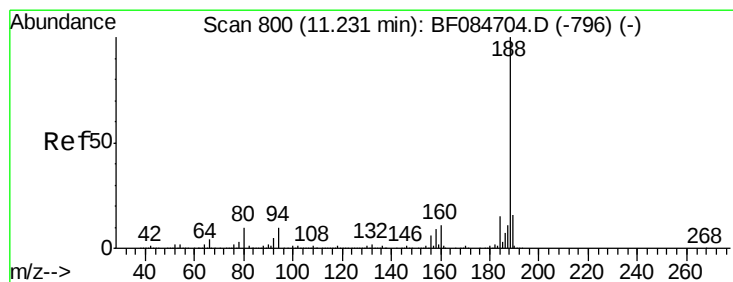
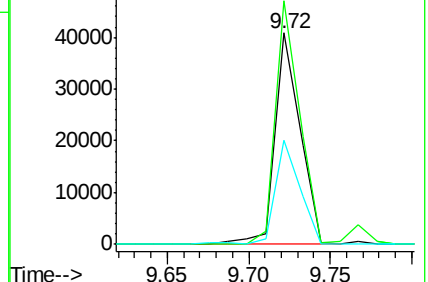
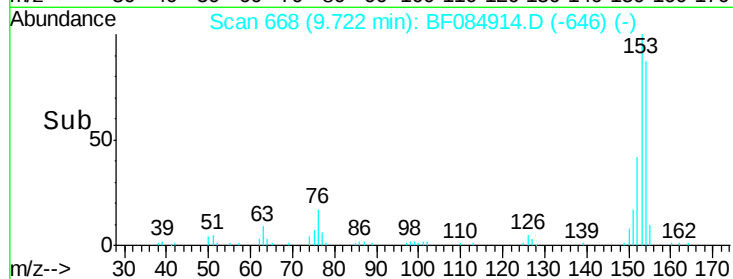
152 49.2 43.0 64.6



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: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

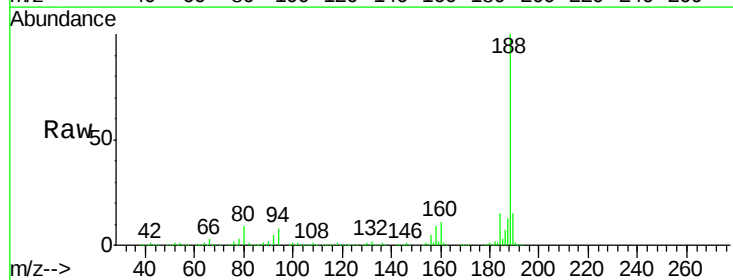
Tgt Ion:188 Resp: 537244

Ion Ratio Lower Upper

188 100

94 8.2 9.0 13.4#

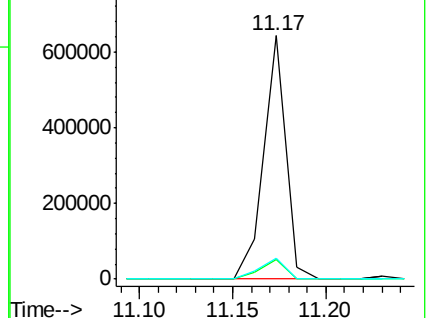
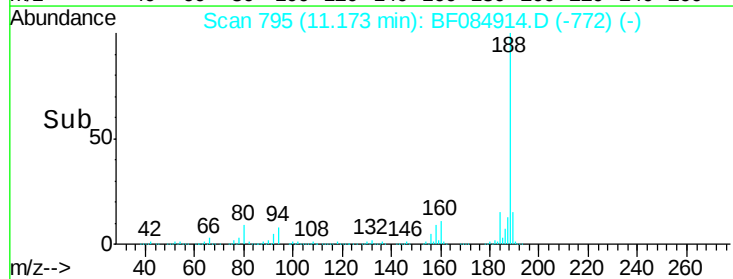
80 8.6 9.6 14.4#

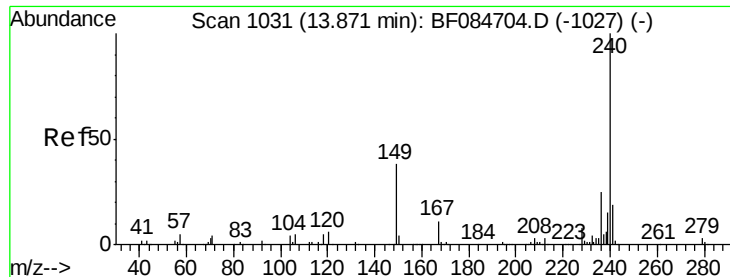


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

Instrument :

BNA_F

ClientSampleId :

S4-B004(21-23)

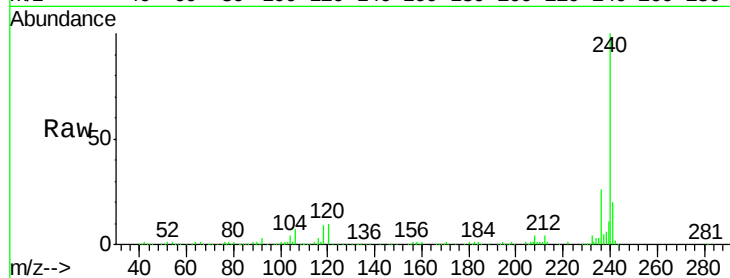
Tot Ion:240 Resp: 344450

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

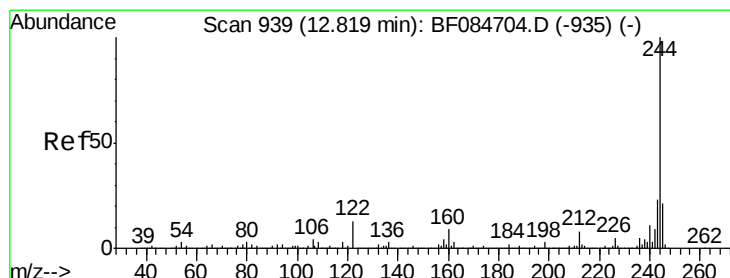
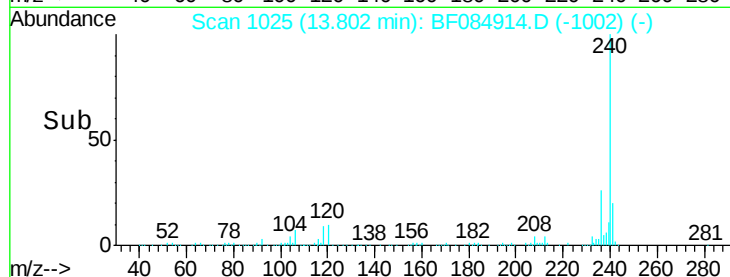
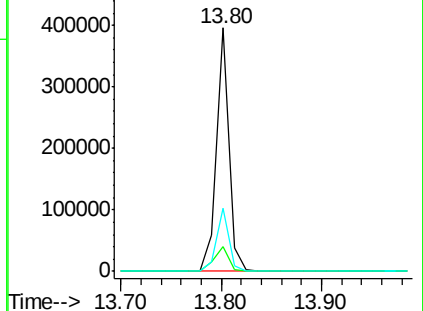
236 25.7 20.6 31.0



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: 93.24 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084914.D

Acq: 6 Feb 2016 16:21

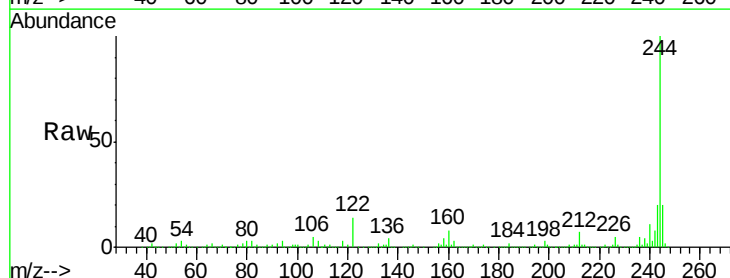
Tgt Ion:244 Resp: 1417309

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

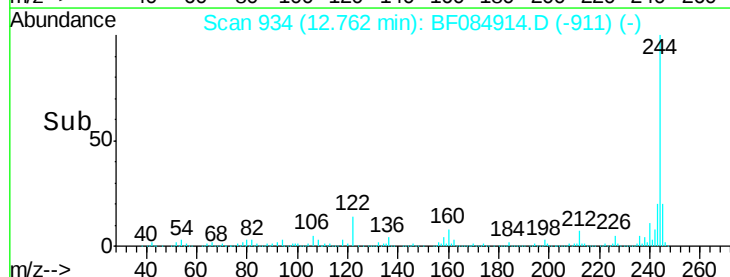
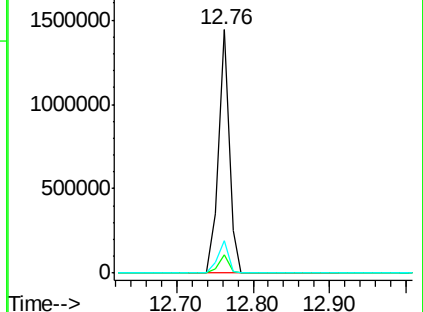
122 13.5 7.4 11.0#

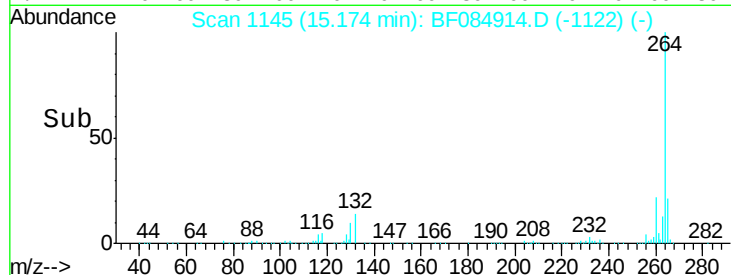
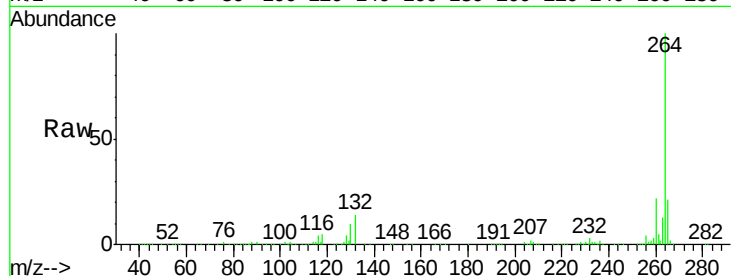
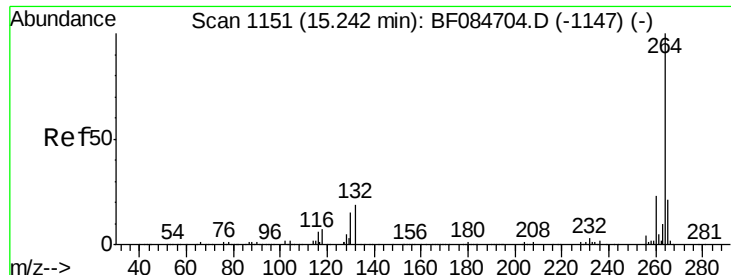


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084914.D
 Acq: 6 Feb 2016 16:21

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(21-23)

Tot Ion:	264	Resp:	329288
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.4	29.2
265	21.3	17.8	26.6

