

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091907.D
 Acq On : 23 Dec 2016 6:01
 Operator : UM/SJ
 Sample : H6156-25
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Quant Time: Dec 23 07:11:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

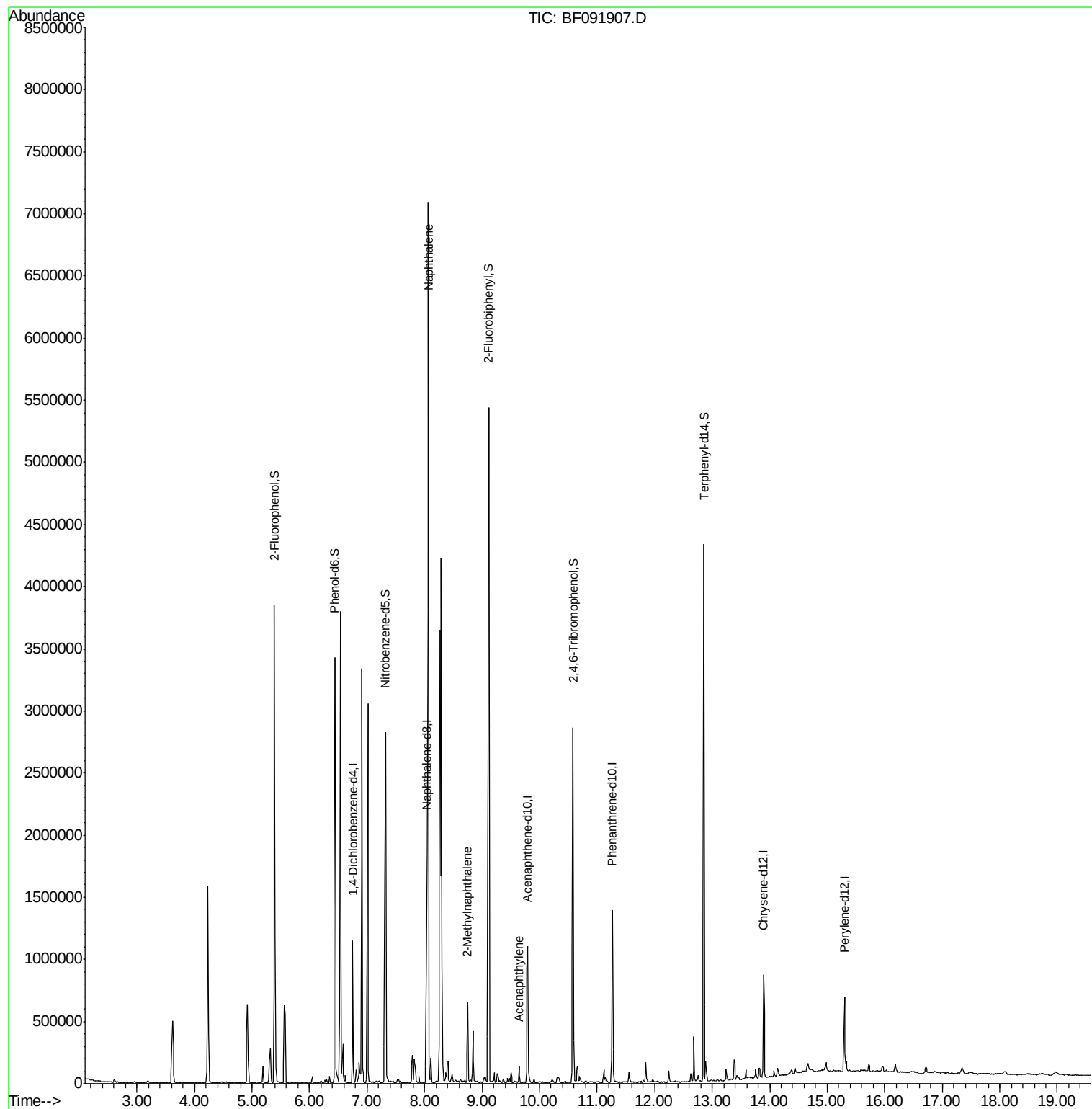
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	168460	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	702055	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	350326	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	501622	20.00	ng	0.00
75) Chrysene-d12	13.89	240	357250	20.00	ng	-0.01
86) Perylene-d12	15.30	264	271925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1144887	113.48	ng	0.05
7) Phenol-d6	6.44	99	1361976	110.57	ng	0.03
23) Nitrobenzene-d5	7.32	82	1168096	92.52	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	331258	114.26	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1929126	117.81	ng	0.00
78) Terphenyl-d14	12.85	244	1348997	91.58	ng	0.00
Target Compounds						
31) Naphthalene	8.06	128	3767821	117.26	ng	98
37) 2-Methylnaphthalene	8.75	142	191618	7.29	ng	98
48) Acenaphthylene	9.64	152	64775	2.22	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

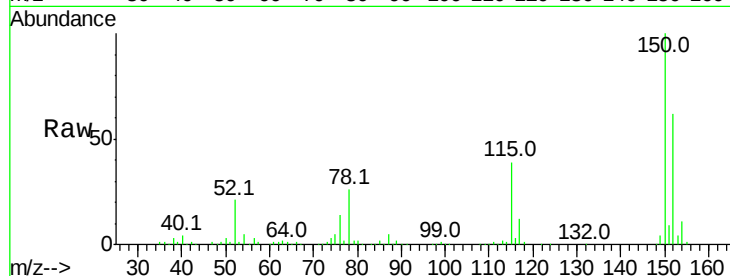
Tot Ion:152 Resp: 168460

Ion Ratio Lower Upper

152 100

150 160.9 124.9 187.3

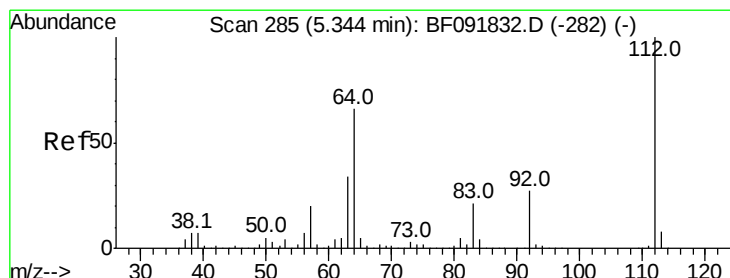
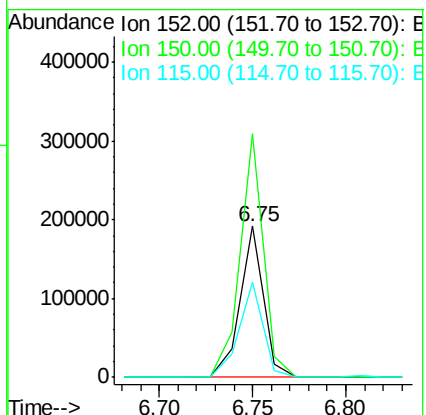
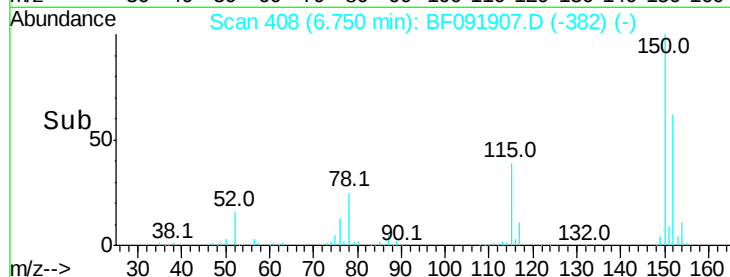
115 63.3 46.0 69.0



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: 113.48 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

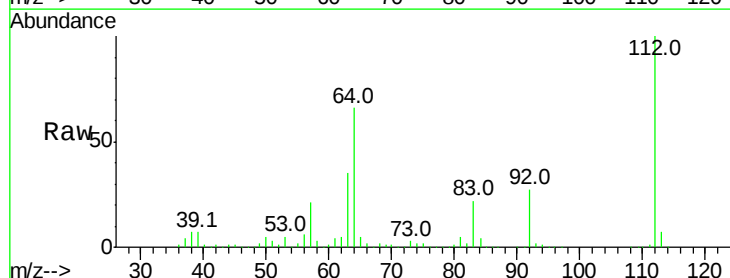
Tgt Ion:112 Resp: 1144887

Ion Ratio Lower Upper

112 100

64 66.0 46.1 69.1

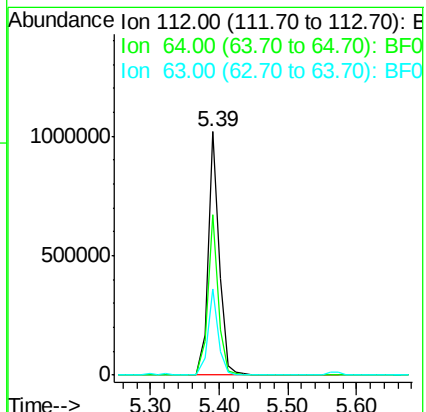
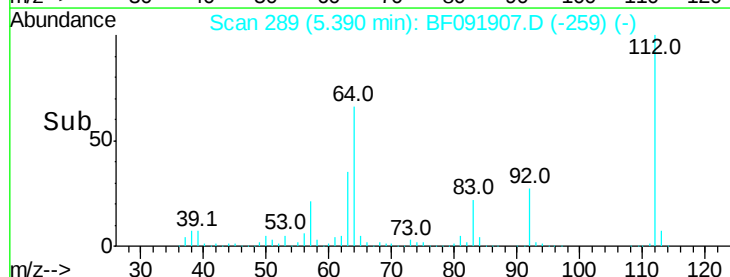
63 35.3 23.8 35.6



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: 110.57 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

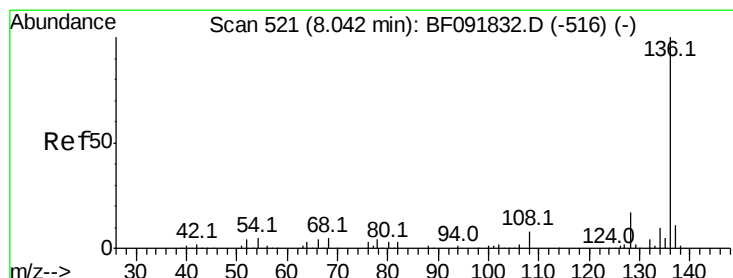
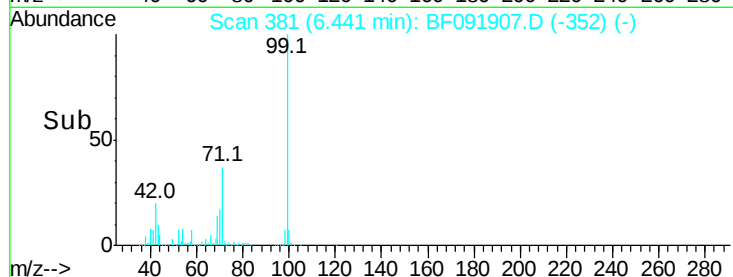
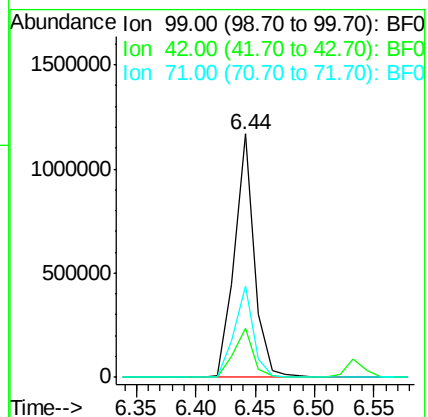
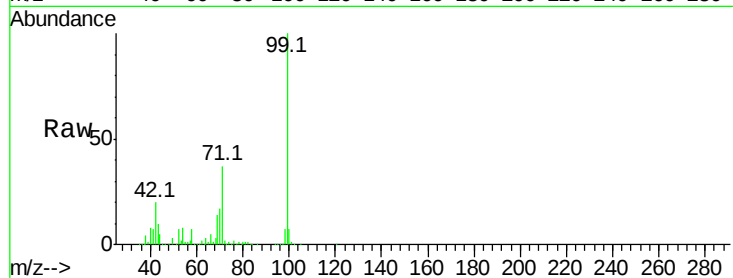
Tot Ion: 99 Resp: 1361976

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

71 37.4 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Tgt Ion: 136 Resp: 702055

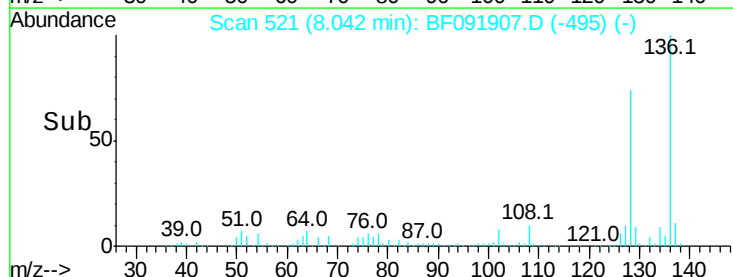
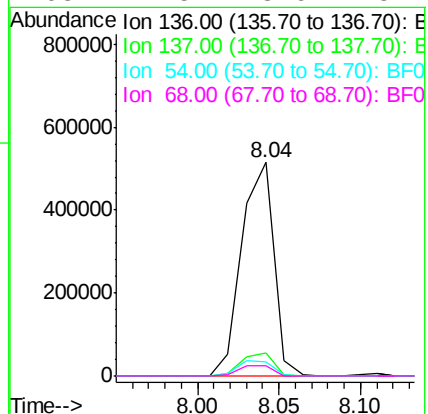
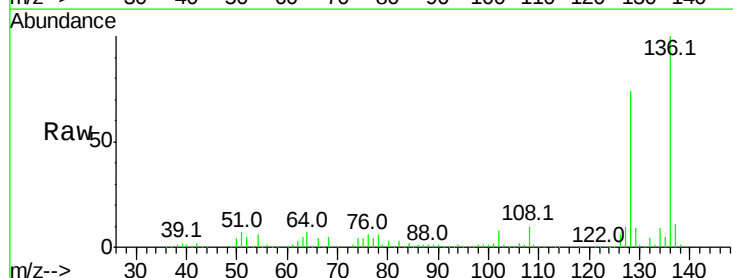
Ion Ratio Lower Upper

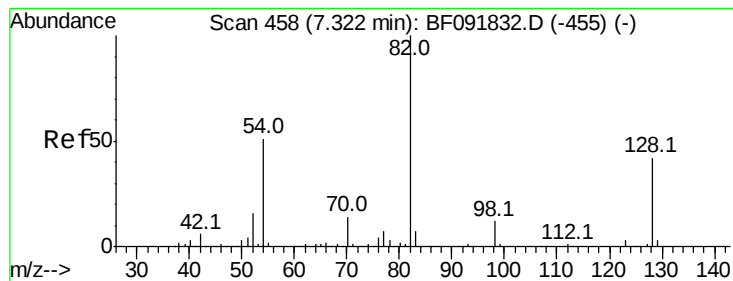
136 100

137 10.7 8.4 12.6

54 6.5 4.5 6.7

68 4.5 3.6 5.4





#23

Nitrobenzene-d5

Concen: 92.52 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

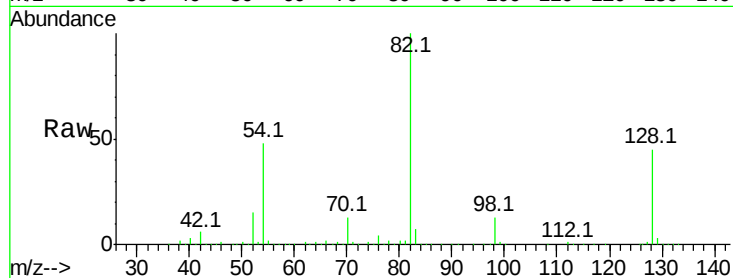
Tot Ion: 82 Resp: 1168096

Ion Ratio Lower Upper

82 100

128 44.7 34.6 52.0

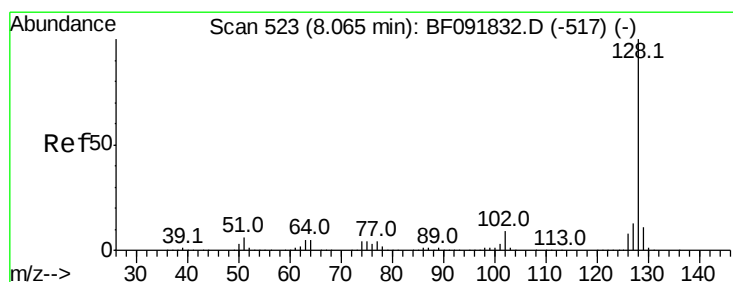
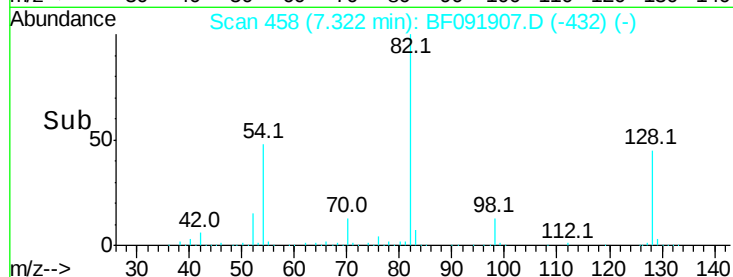
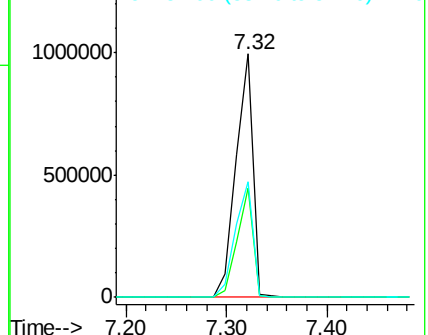
54 47.7 39.5 59.3



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: 117.26 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

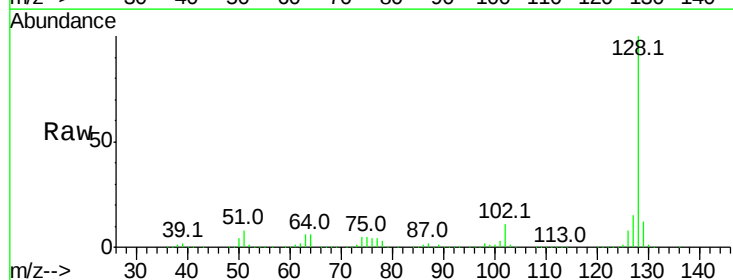
Tgt Ion:128 Resp: 3767821

Ion Ratio Lower Upper

128 100

129 12.3 9.5 14.3

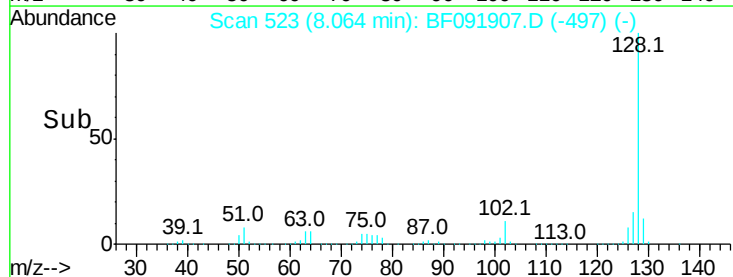
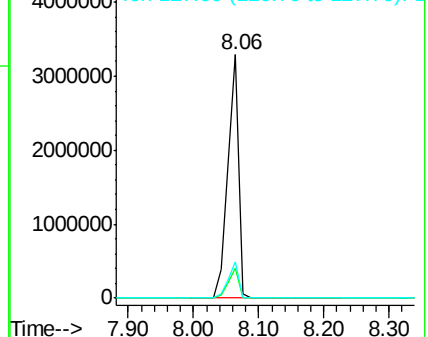
127 14.7 10.8 16.2

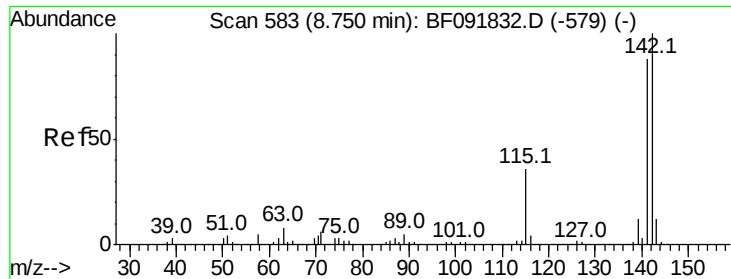


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

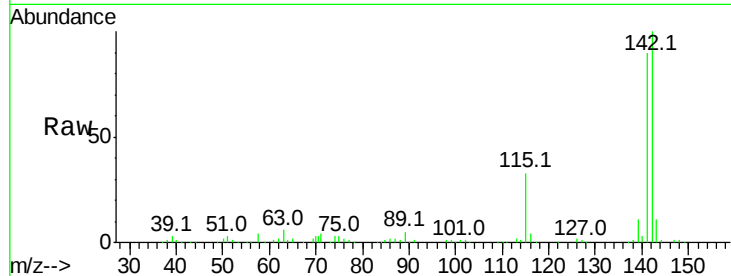




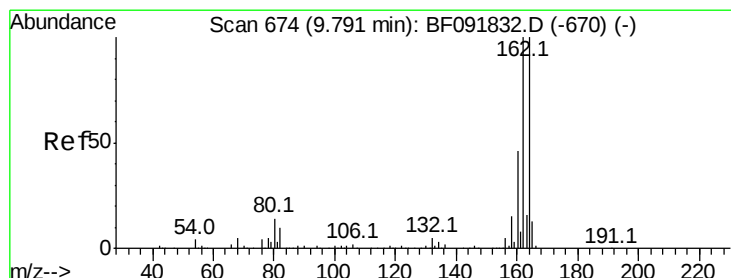
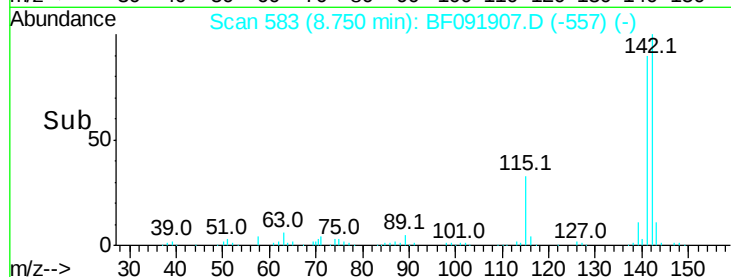
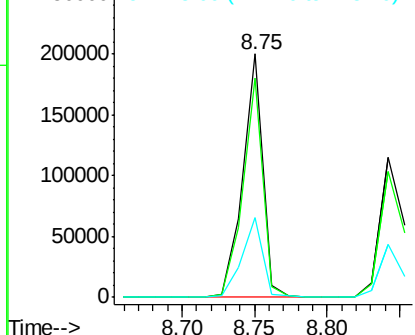
#37
 2-Methylnaphthalene
 Concen: 7.29 ng
 RT: 8.75 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Tot Ion:142 Resp: 191618
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.0 106.6
 115 32.8 28.3 42.5

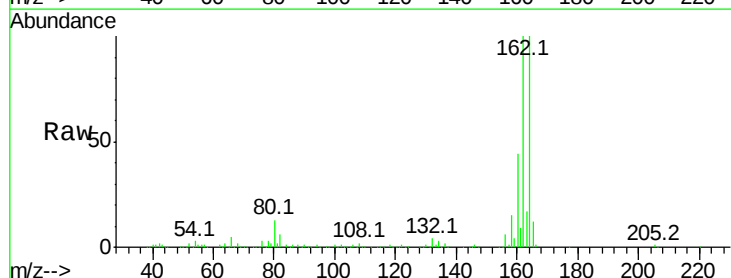


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

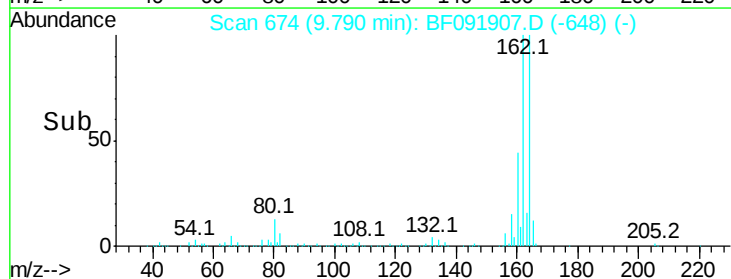
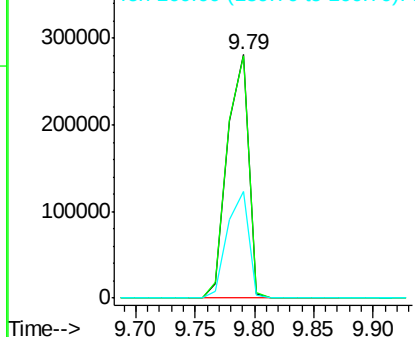


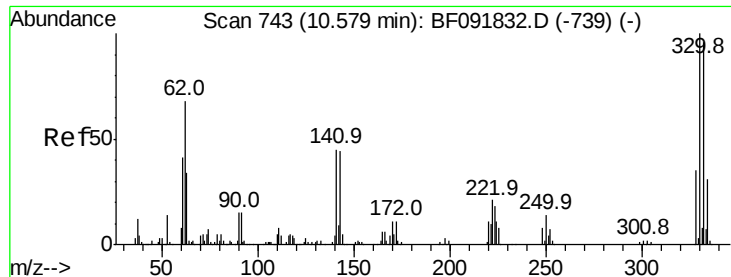
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Tgt Ion:164 Resp: 350326
 Ion Ratio Lower Upper
 164 100
 162 99.7 80.2 120.2
 160 43.7 36.9 55.3



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

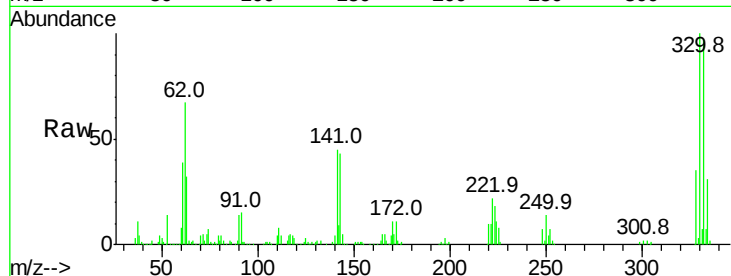




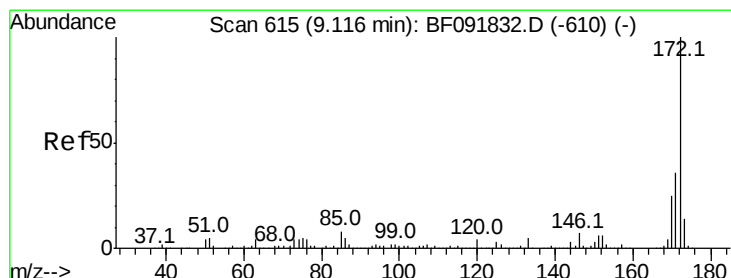
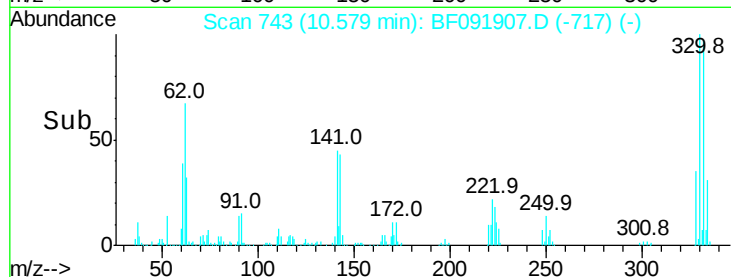
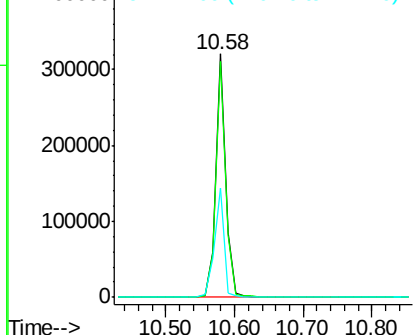
#41
 2,4,6-Tribromophenol
 Concen: 114.26 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	43.2	34.1	51.1

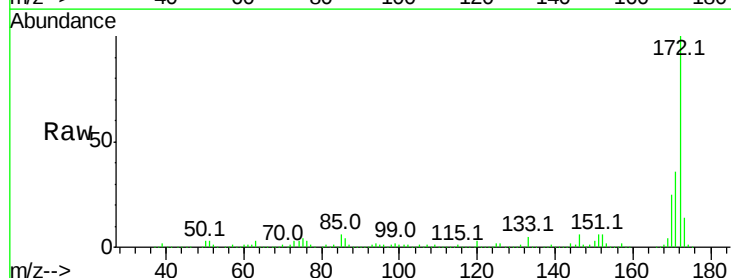


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

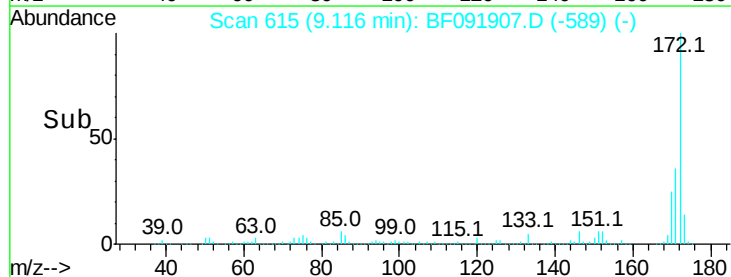
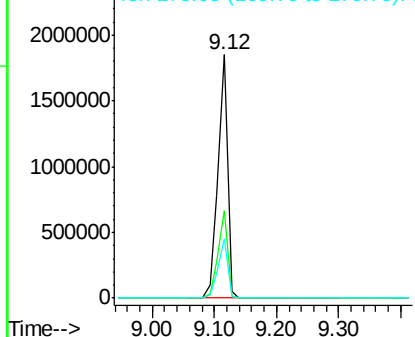


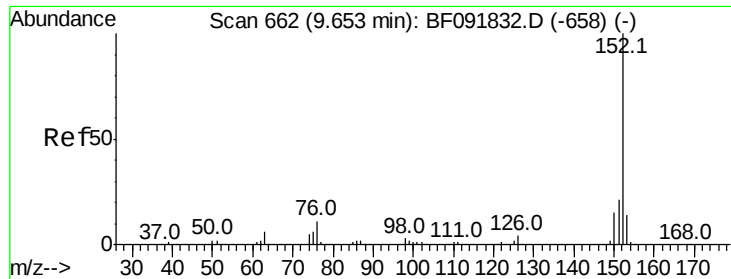
#44
 2-Fluorobiphenyl
 Concen: 117.81 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.5	20.2	30.4



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: 2.22 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

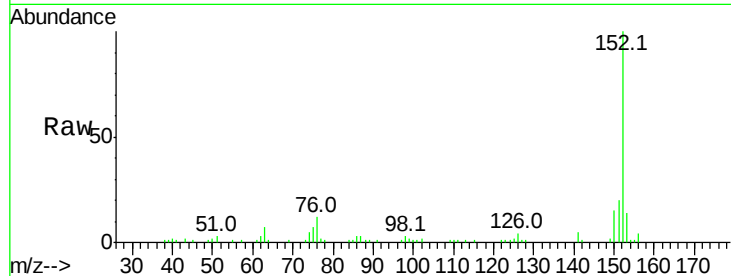
Tot Ion:152 Resp: 64775

Ion Ratio Lower Upper

152 100

151 19.9 16.9 25.3

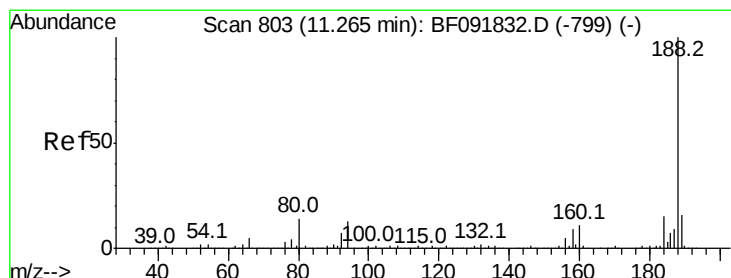
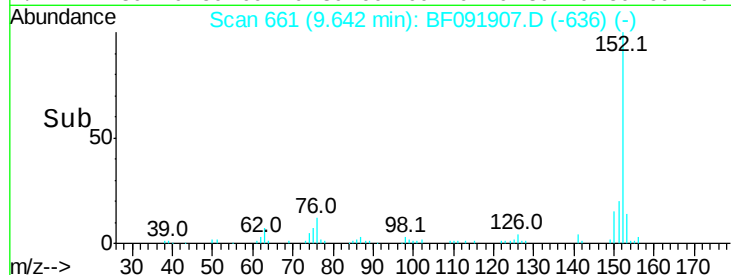
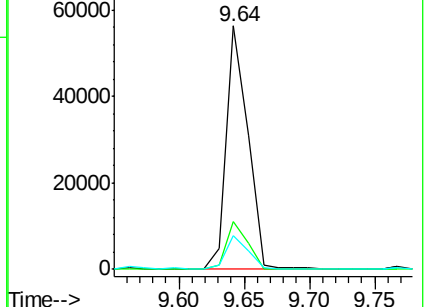
153 14.0 11.4 17.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

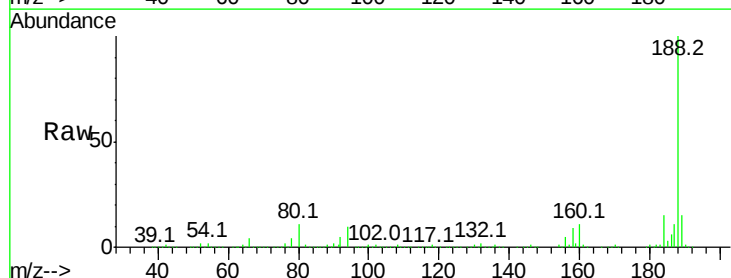
Tgt Ion:188 Resp: 501622

Ion Ratio Lower Upper

188 100

94 9.9 10.0 15.0#

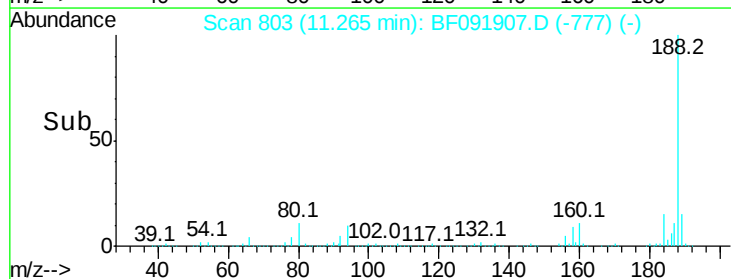
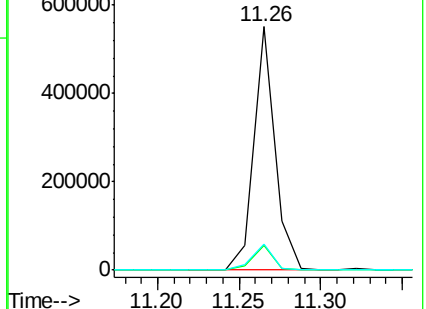
80 10.6 11.2 16.8#

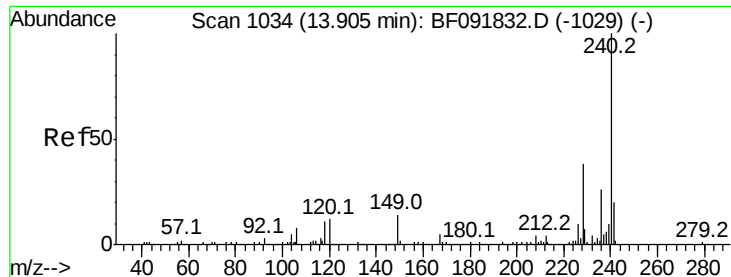


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

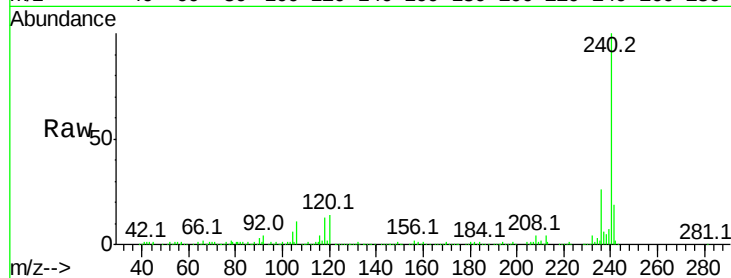
Tot Ion:240 Resp: 357250

Ion Ratio Lower Upper

240 100

120 14.4 12.9 19.3

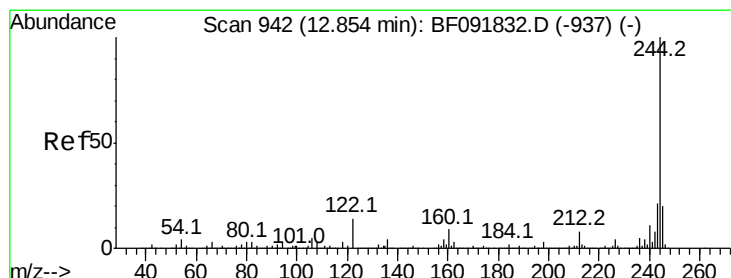
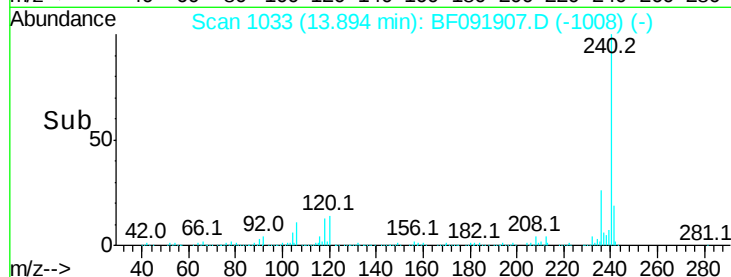
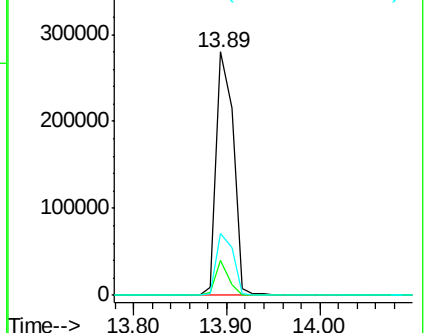
236 25.5 20.9 31.3



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: 91.58 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

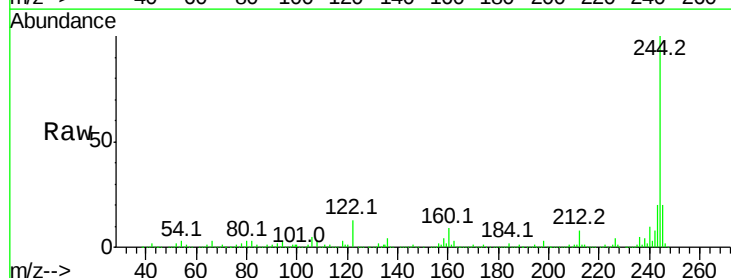
Tgt Ion:244 Resp: 1348997

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

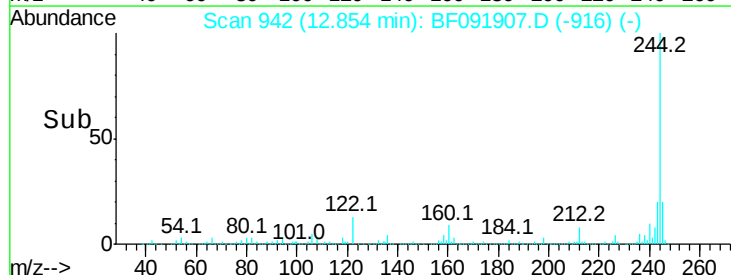
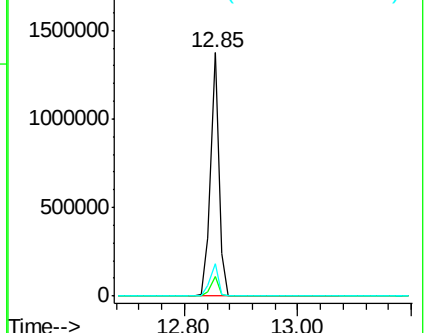
122 13.3 11.4 17.2

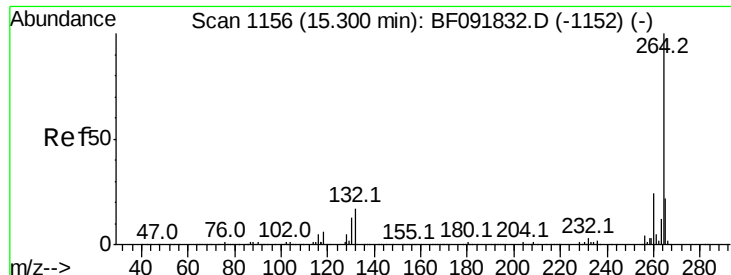


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF091907.D
Acq: 23 Dec 2016 6:01

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.4	26.0

