

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
 Data File : BF091178.D
 Acq On : 15 Nov 2016 14:59
 Operator : UM/SJ
 Sample : H5636-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19013041

Quant Time: Nov 16 00:59:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

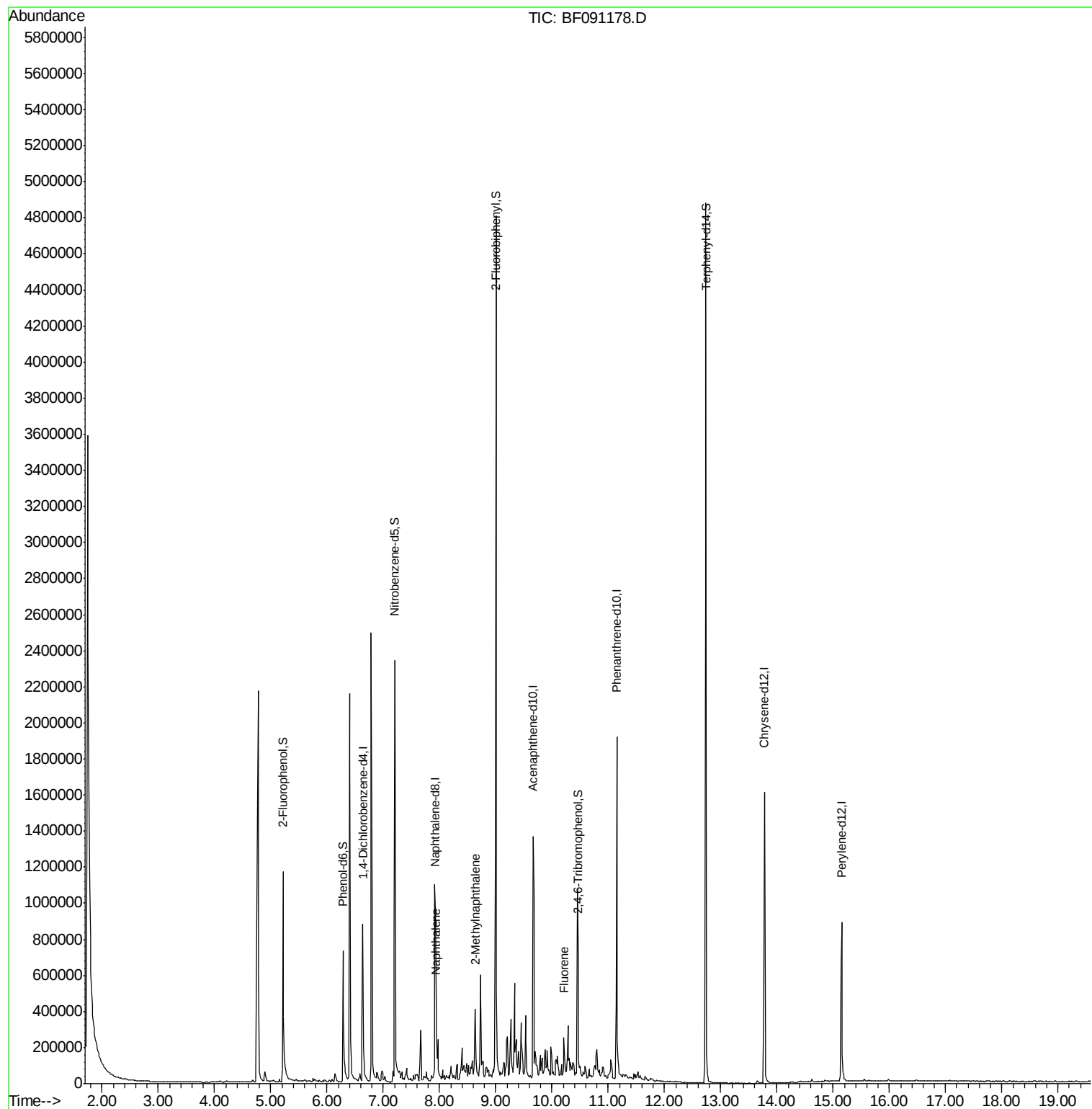
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	161387	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	699175	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	382567	20.00	ng	-0.03
63) Phenanthrene-d10	11.15	188	684727	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	591584	20.00	ng	-0.03
86) Perylene-d12	15.15	264	453923	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	420655	43.05	ng	-0.02
7) Phenol-d6	6.28	99	380007	28.65	ng	-0.03
23) Nitrobenzene-d5	7.21	82	914818	71.38	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	134171	38.79	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1516356	68.24	ng	-0.03
78) Terphenyl-d14	12.74	244	1777676	74.99	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.94	128	149916	4.48	ng	97
37) 2-Methylnaphthalene	8.64	142	120868	5.62	ng	99
57) Fluorene	10.21	166	51409	2.25	ng	# 92

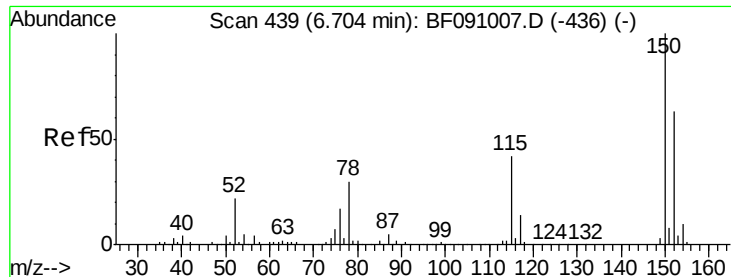
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

Instrument :

BNA_F

ClientSampleId :

C19013041

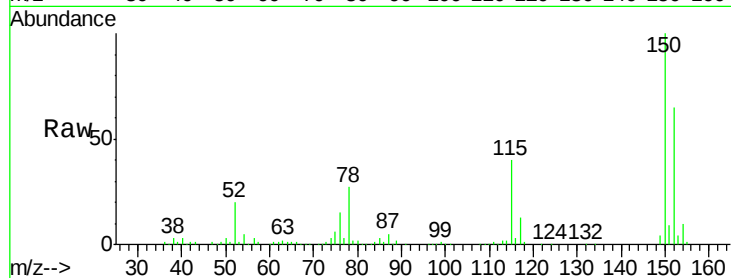
Tot Ion:152 Resp: 161387

Ion Ratio Lower Upper

152 100

150 154.7 126.8 190.2

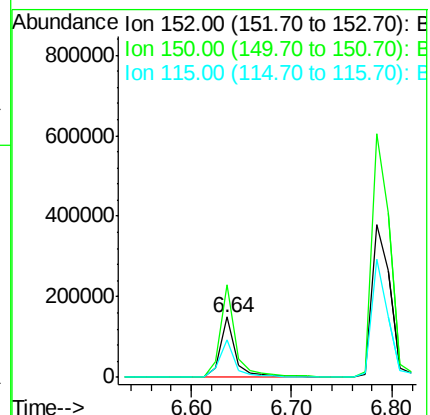
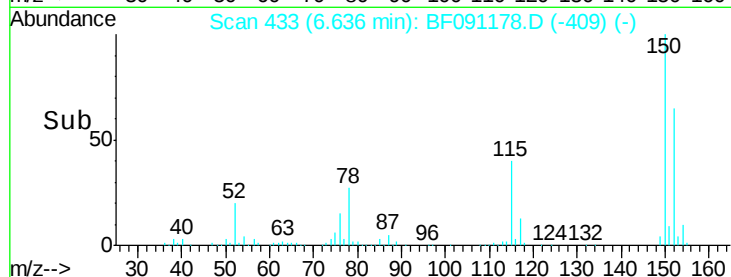
115 62.1 53.3 79.9



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: 43.05 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

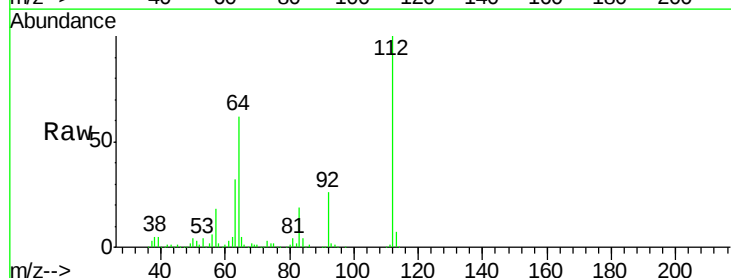
Tgt Ion:112 Resp: 420655

Ion Ratio Lower Upper

112 100

64 62.2 55.8 83.6

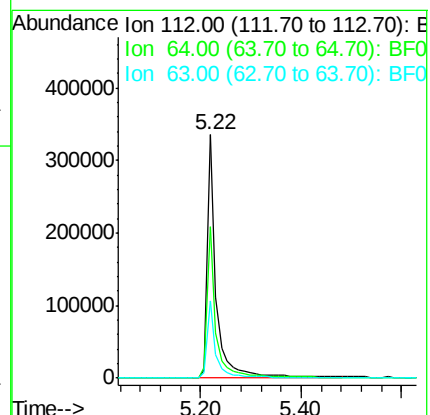
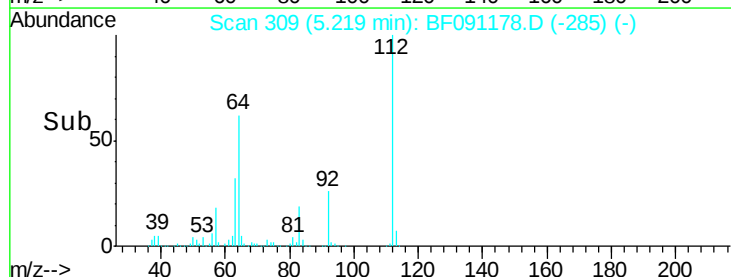
63 31.6 28.0 42.0

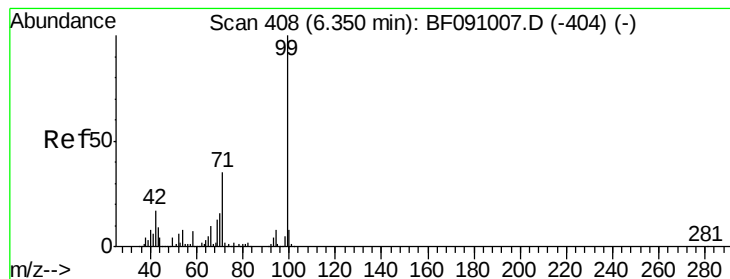


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.65 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

Instrument :

BNA_F

ClientSampleId :

C19013041

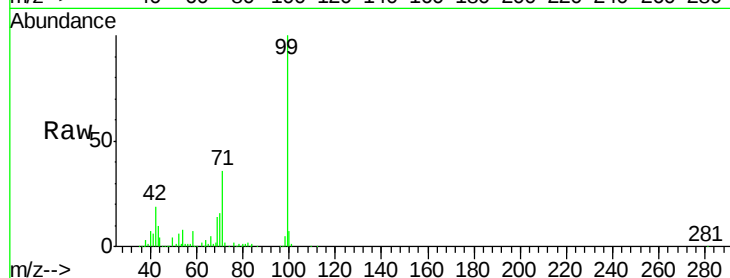
Tot Ion: 99 Resp: 380007

Ion Ratio Lower Upper

99 100

42 19.2 13.9 20.9

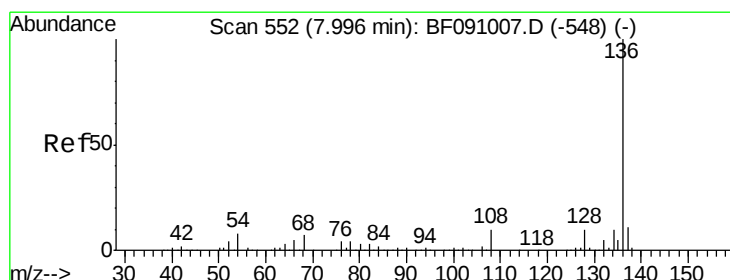
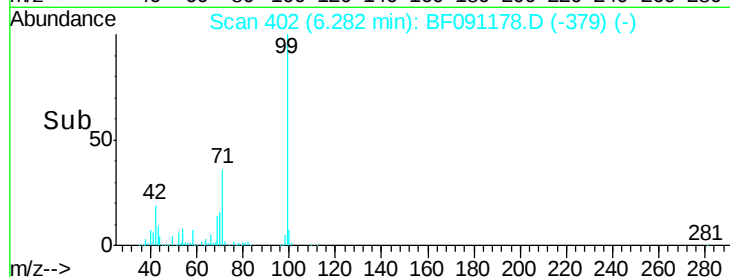
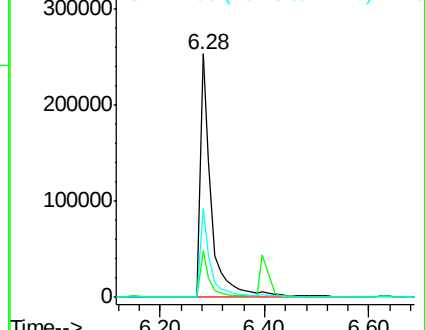
71 36.2 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 546

Delta R.T. -0.02 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

Tgt Ion: 136 Resp: 699175

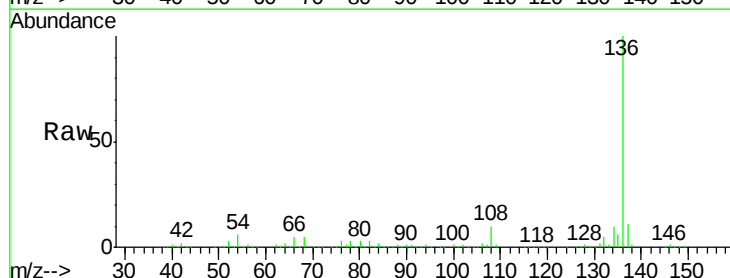
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.2 6.2 9.2

68 5.5 5.5 8.3#

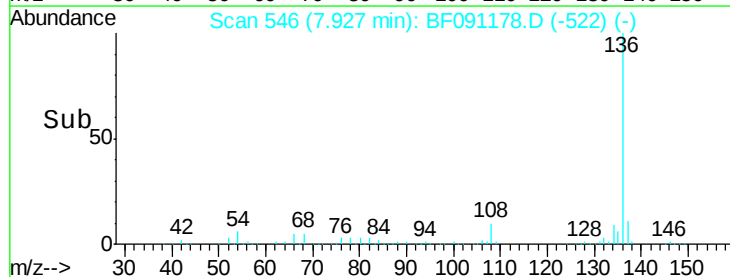
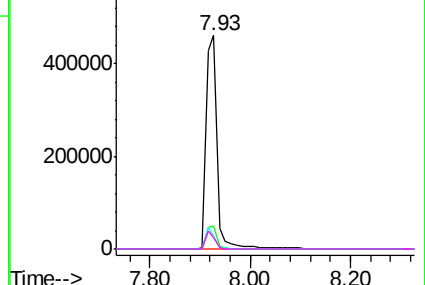


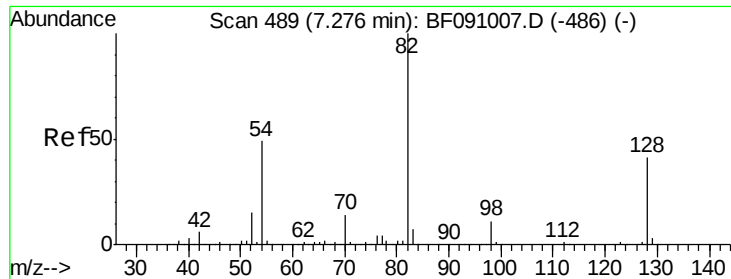
Abundance Ion 136.00 (135.70 to 136.70): E

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

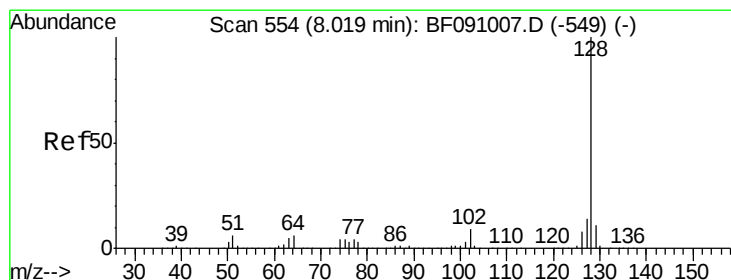
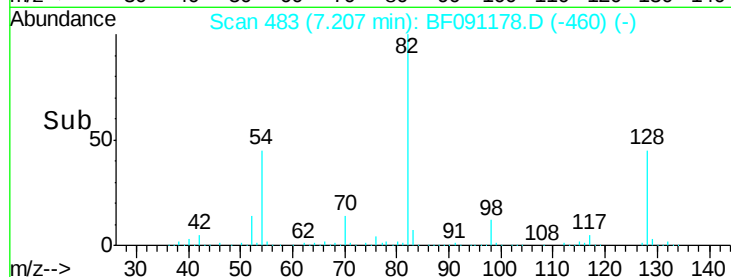
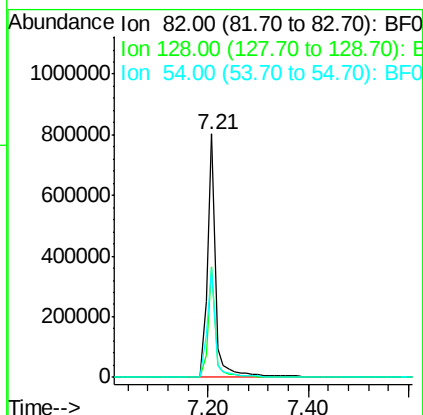
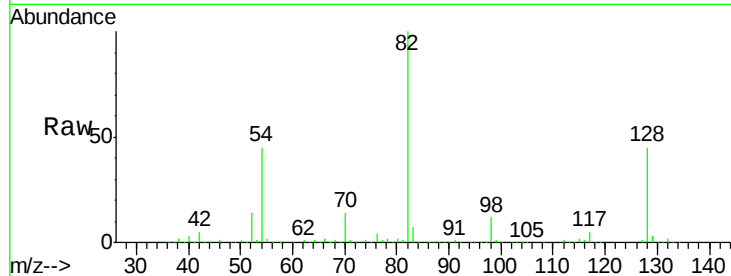




#23
Nitrobenzene-d5
Concen: 71.38 ng
RT: 7.21 min Scan# 483
Delta R.T. -0.03 min
Lab File: BF091178.D
Acq: 15 Nov 2016 14:59

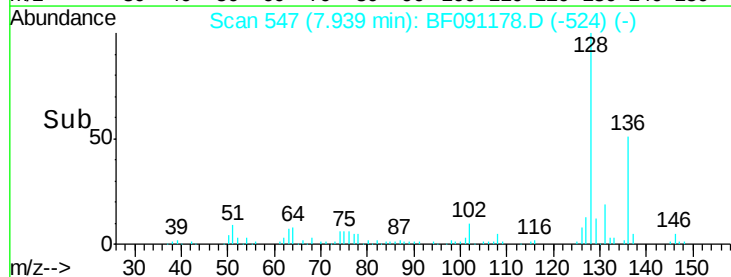
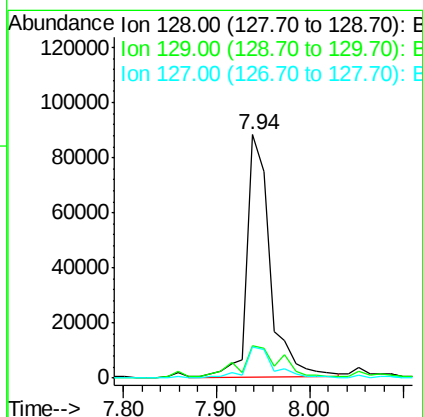
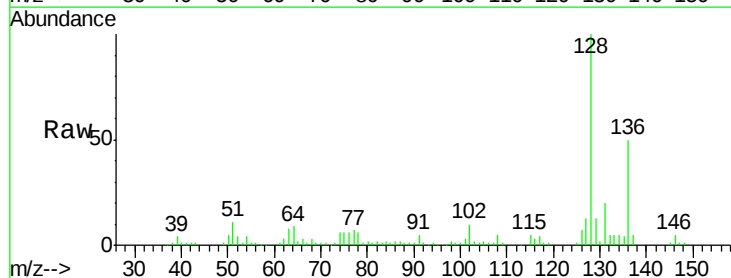
Instrument :
BNA_F
ClientSampleId :
C19013041

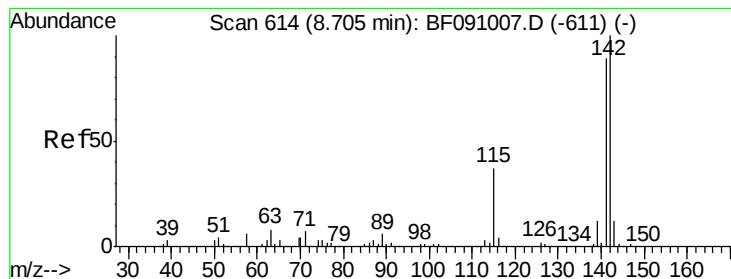
Tot Ion: 82 Resp: 914818
Ion Ratio Lower Upper
82 100
128 45.3 32.4 48.6
54 44.7 39.2 58.8



#31
Naphthalene
Concen: 4.48 ng
RT: 7.94 min Scan# 547
Delta R.T. -0.03 min
Lab File: BF091178.D
Acq: 15 Nov 2016 14:59

Tgt Ion:128 Resp: 149916
Ion Ratio Lower Upper
128 100
129 13.4 9.0 13.6
127 13.0 10.9 16.3





#37

2-Methylnaphthalene

Concen: 5.62 ng

RT: 8.64 min Scan# 608

Delta R.T. -0.03 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

Instrument :

BNA_F

ClientSampleId :

C19013041

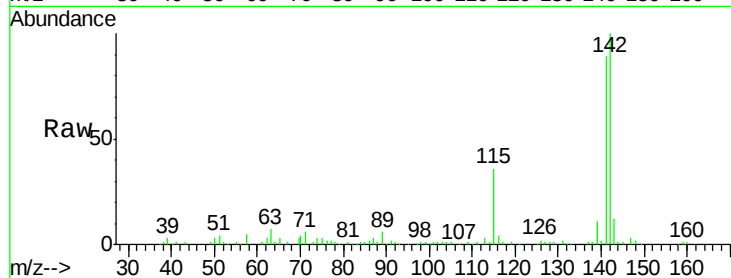
Tot Ion:142 Resp: 120868

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

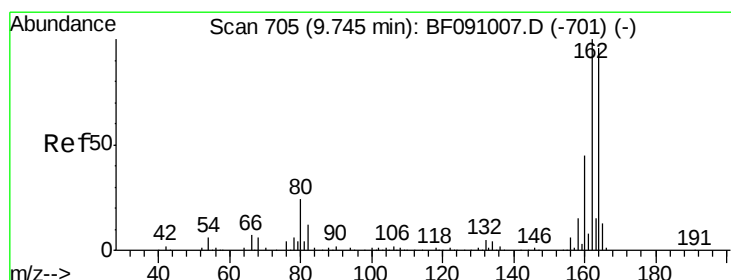
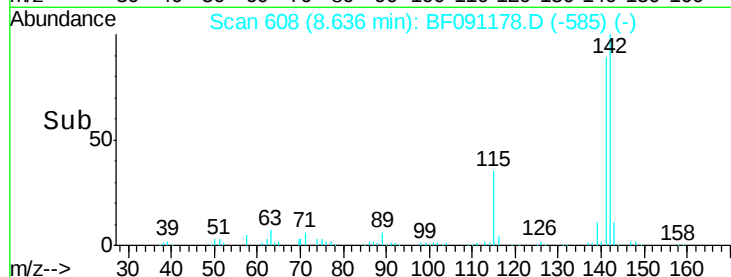
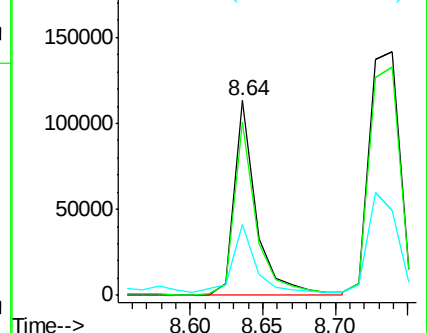
115 36.3 29.9 44.9



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: 9.66 min Scan# 698

Delta R.T. -0.03 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

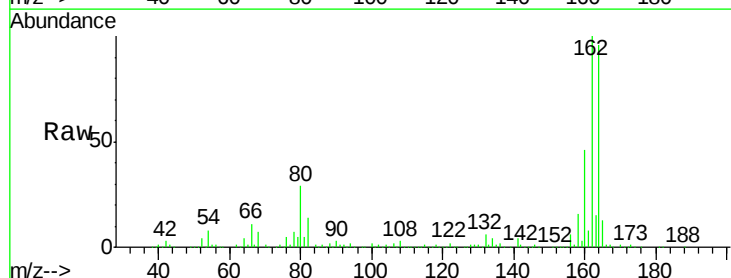
Tgt Ion:164 Resp: 382567

Ion Ratio Lower Upper

164 100

162 103.7 83.6 125.4

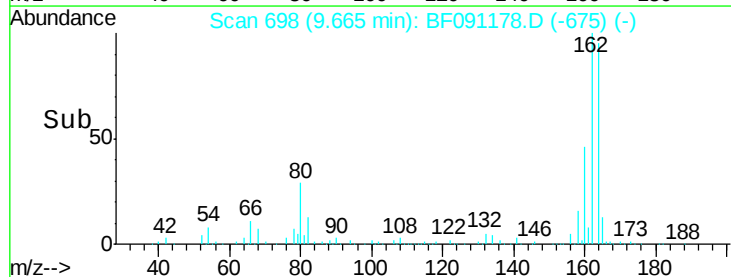
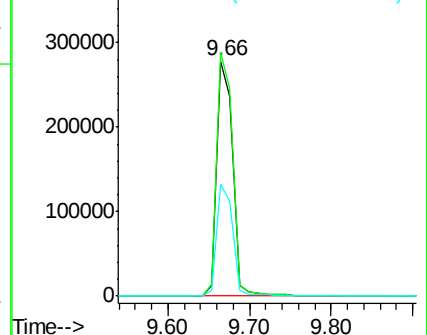
160 47.6 37.9 56.9

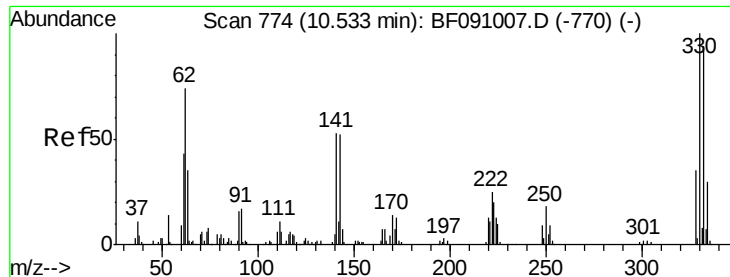


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

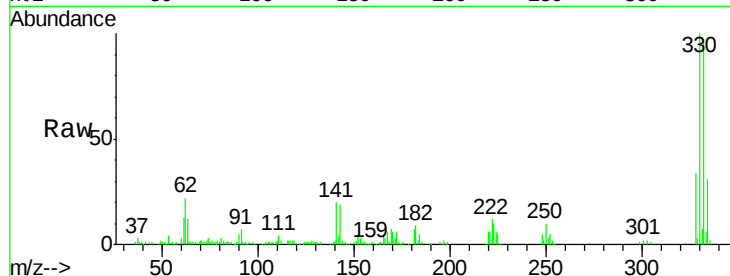




#41
 2,4,6-Tribromophenol
 Concen: 38.79 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF091178.D
 Acq: 15 Nov 2016 14:59

Instrument :
 BNA_F
 ClientSampleId :
 C19013041

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.9	113.9
141	46.6	36.1	54.1

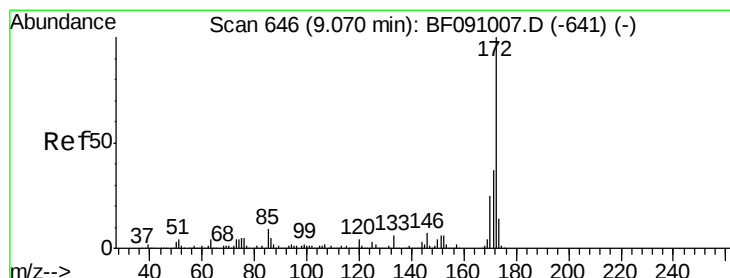
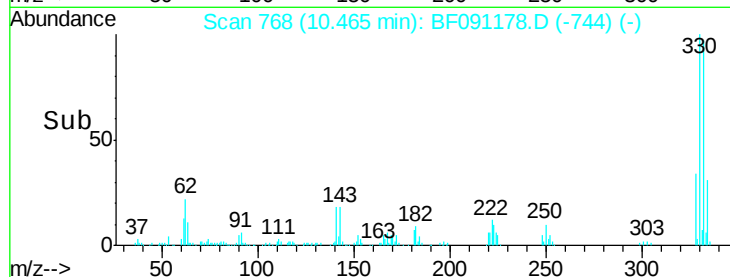
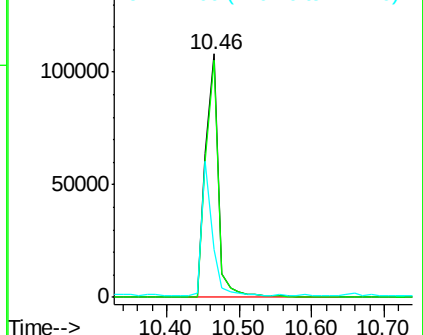


Abundance

Ion 329.80 (329.50 to 330.50): E

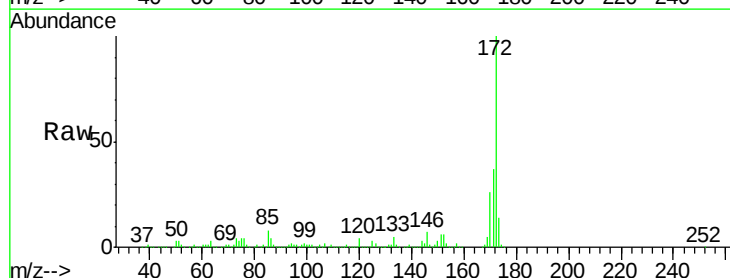
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 68.24 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: BF091178.D
 Acq: 15 Nov 2016 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	25.8	20.3	30.5

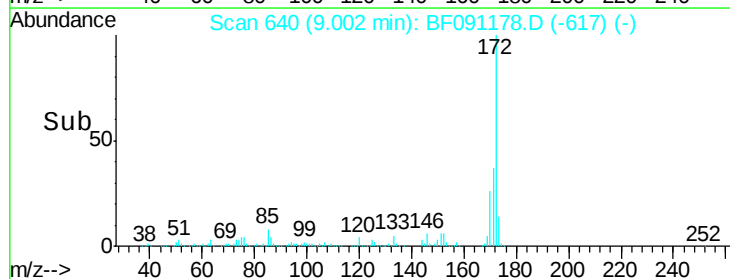
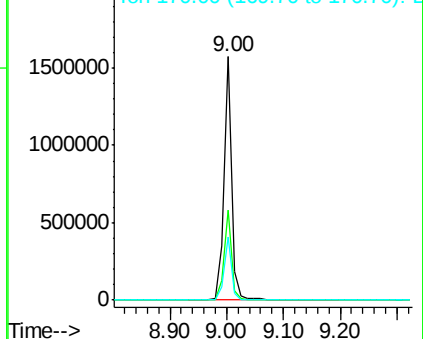


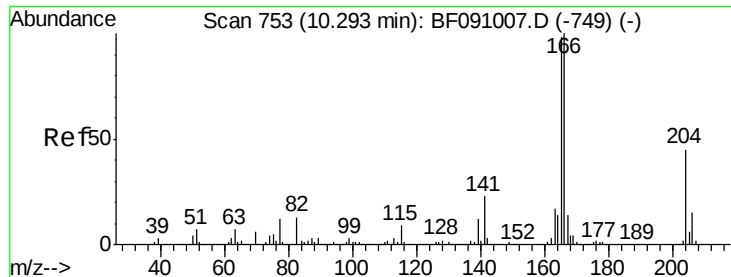
Abundance

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

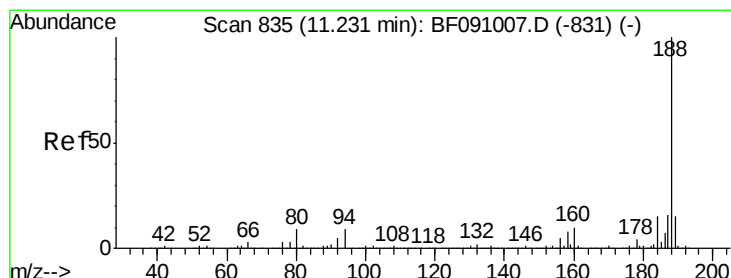
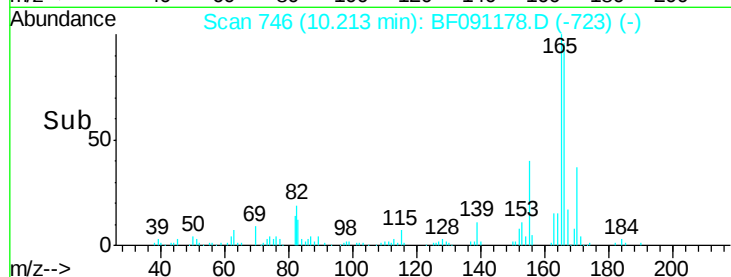
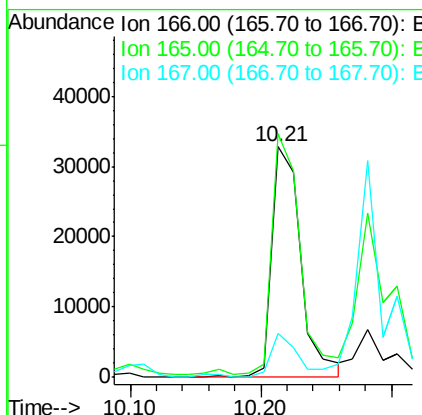
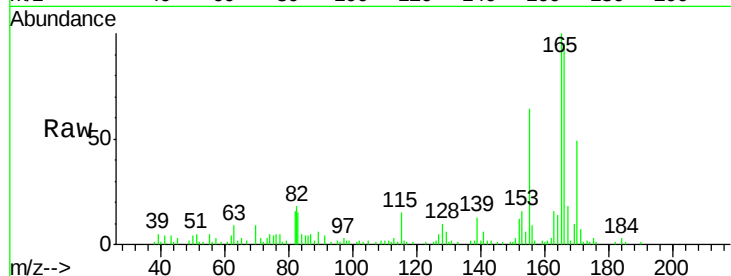




#57
Fluorene
 Concen: 2.25 ng
 RT: 10.21 min Scan# 746
 Delta R.T. -0.03 min
 Lab File: BF091178.D
 Acq: 15 Nov 2016 14:59

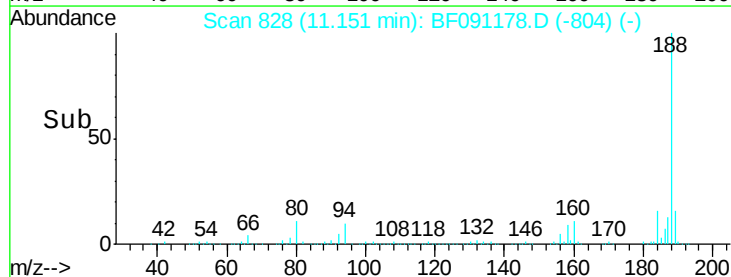
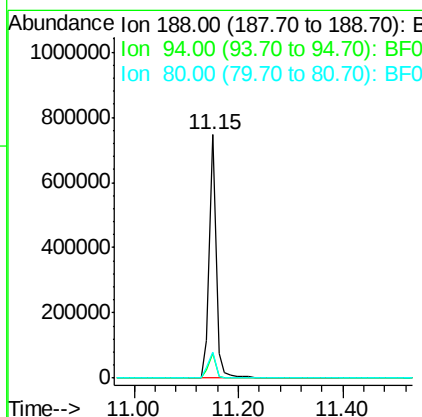
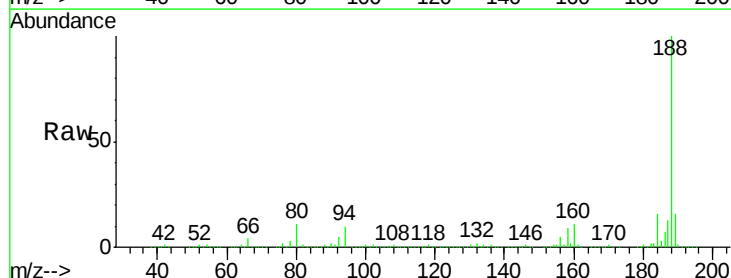
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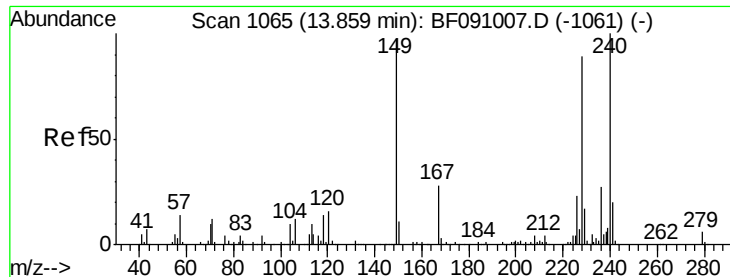
Tot Ion:166 Resp: 51409
 Ion Ratio Lower Upper
 166 100
 165 105.6 78.6 118.0
 167 18.9 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 828
 Delta R.T. -0.02 min
 Lab File: BF091178.D
 Acq: 15 Nov 2016 14:59

Tgt Ion:188 Resp: 684727
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.0 10.4
 80 10.5 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

Instrument :

BNA_F

ClientSampleId :

C19013041

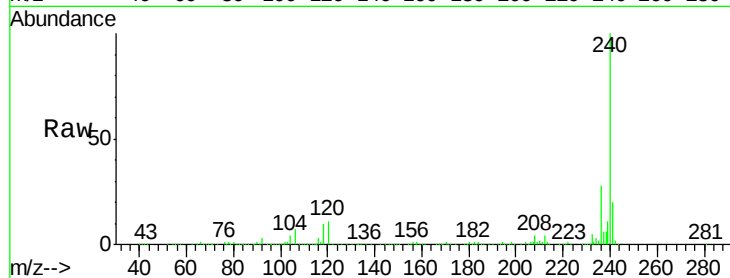
Tot Ion:240 Resp: 591584

Ion Ratio Lower Upper

240 100

120 10.9 12.9 19.3#

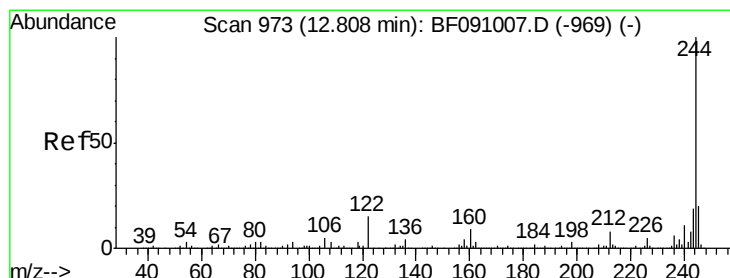
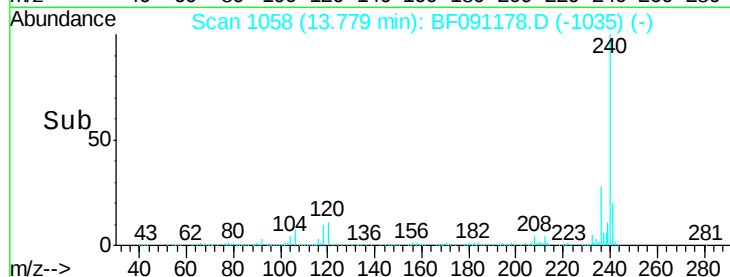
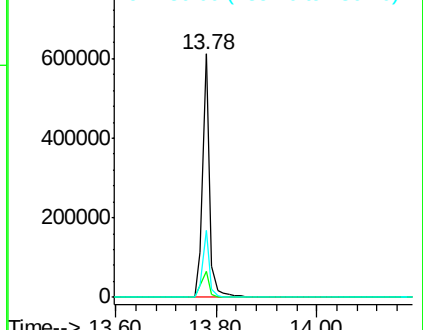
236 27.7 21.9 32.9



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: 74.99 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091178.D

Acq: 15 Nov 2016 14:59

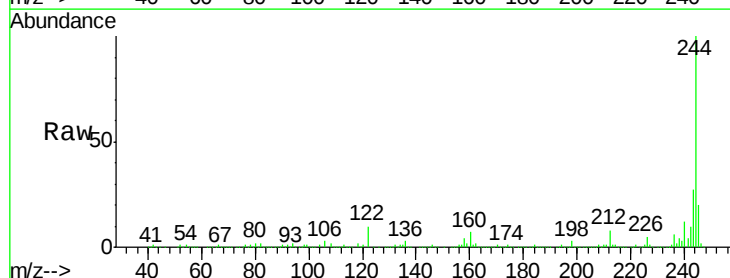
Tgt Ion:244 Resp: 1777676

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

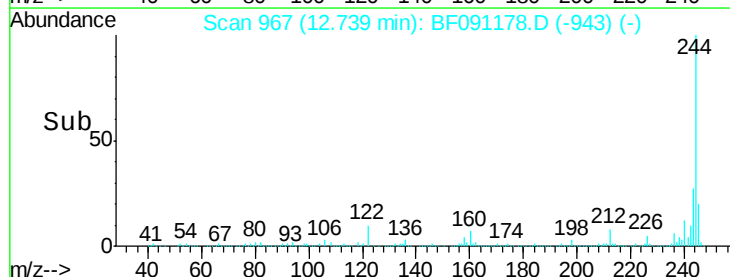
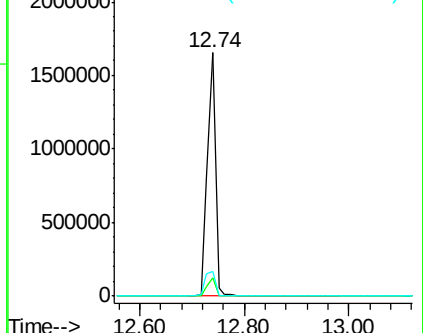
122 10.1 12.3 18.5#

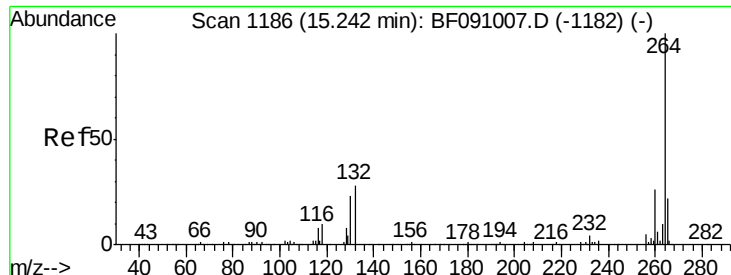


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

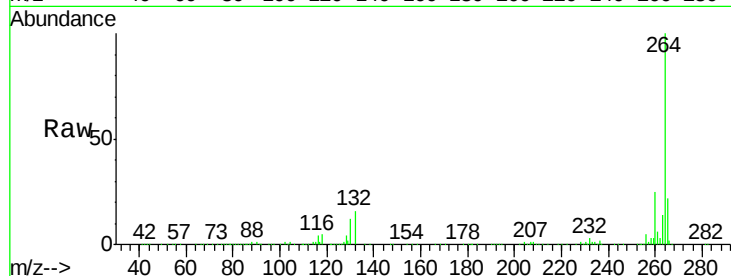




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1178
 Delta R.T. -0.03 min
 Lab File: BF091178.D
 Acq: 15 Nov 2016 14:59

Instrument :
 BNA_F
 ClientSampleId :
 C19013041

Tot Ion: 264 Resp: 453923
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.6 30.8
 265 22.1 17.8 26.8



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

