

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111616\
 Data File : BF091196.D
 Acq On : 16 Nov 2016 18:59
 Operator : UM/SJ
 Sample : H5636-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19013041

Quant Time: Nov 16 23:53:36 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

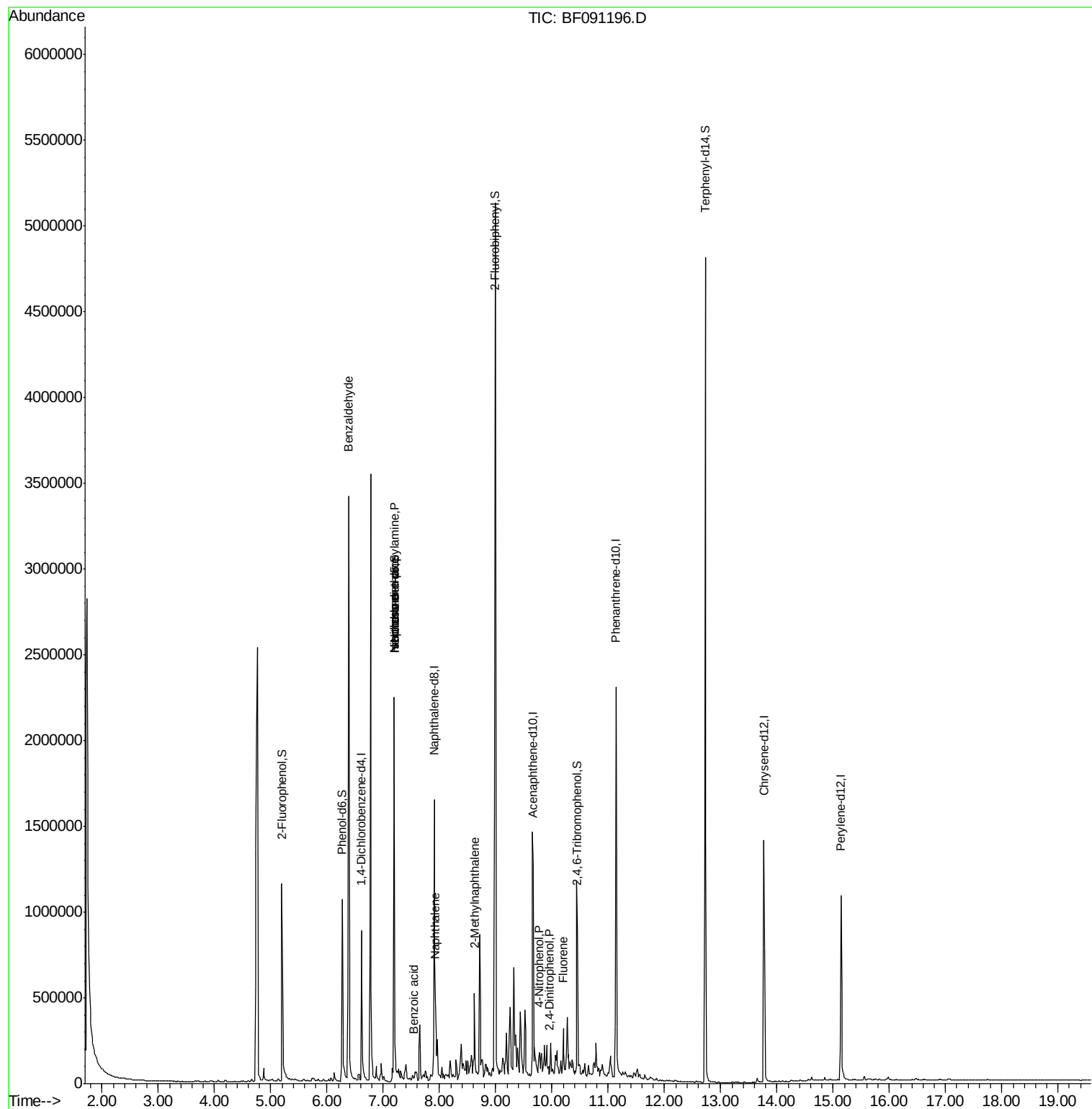
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	187096	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	792025	20.00	ng	-0.05
38) Acenaphthene-d10	9.66	164	433524	20.00	ng	-0.03
63) Phenanthrene-d10	11.14	188	773941	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	580586	20.00	ng	-0.05
86) Perylene-d12	15.14	264	458782	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	486836	42.97	ng	-0.05
7) Phenol-d6	6.27	99	443173	28.82	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1068867	73.62	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	162429	41.44	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	1705391	67.73	ng	-0.05
78) Terphenyl-d14	12.73	244	1693737	72.80	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.38	77	22556	2.64	ng	Qvalue 86
18) Hexachloroethane	7.20	117	58394	10.29	ng	# 6
19) n-Nitroso-di-n-propylamine	7.20	70	144147	13.53	ng	# 73
25) Isophorone	7.20	82	1038405	37.12	ng	# 67
31) Naphthalene	7.93	128	180960	4.78	ng	98
32) Benzoic acid	7.55	122	206	5.10	ng	# 64
37) 2-Methylnaphthalene	8.62	142	143454	5.89	ng	99
53) 2,4-Dinitrophenol	9.95	184	1097	6.56	ng	97
55) 4-Nitrophenol	9.78	139	6491	6.98	ng	# 33
57) Fluorene	10.20	166	63223	2.44	ng	97

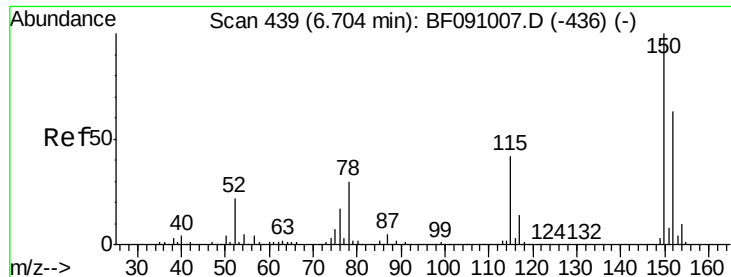
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



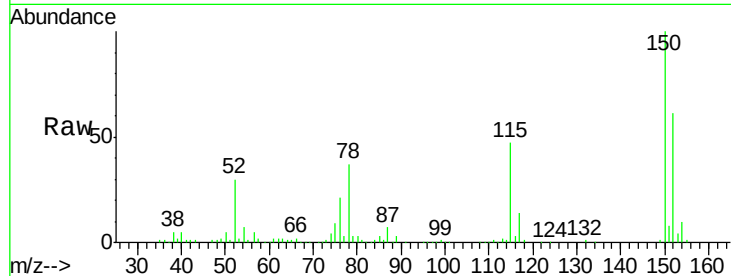


#1

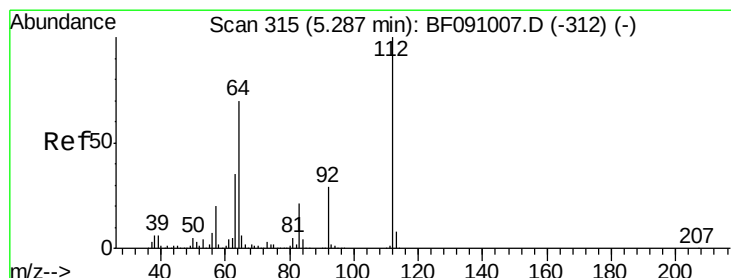
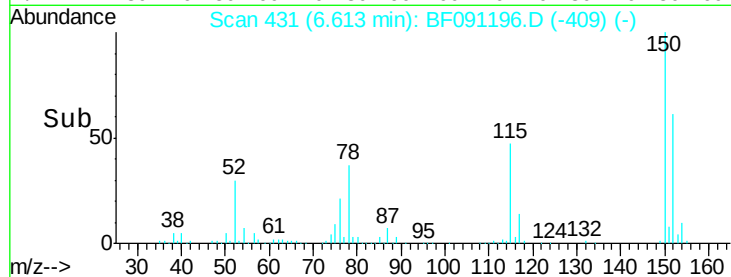
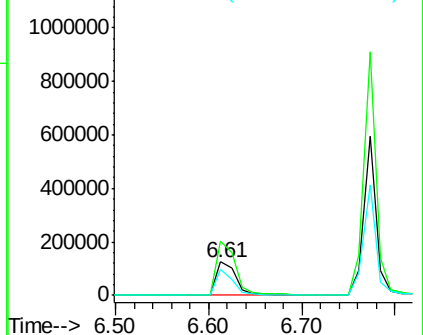
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 431
Delta R.T. -0.05 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Instrument :
BNA_F
ClientSampleId :
C19013041

Tgt Ion:152 Resp: 187096
Ion Ratio Lower Upper
152 100
150 163.2 126.8 190.2
115 76.5 53.3 79.9



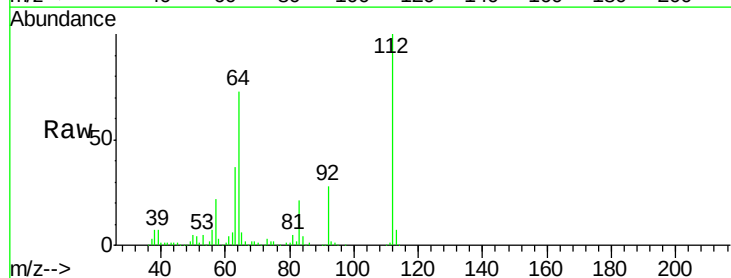
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



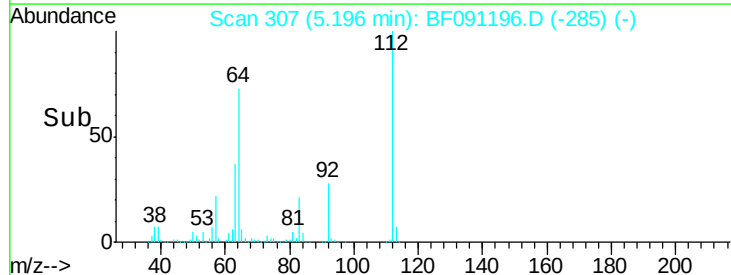
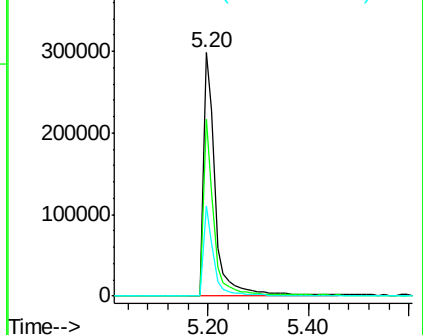
#5

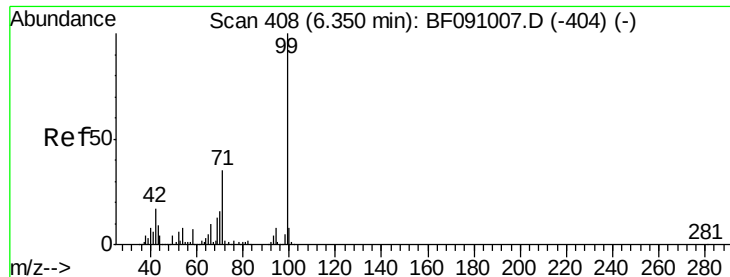
2-Fluorophenol
Concen: 42.97 ng
RT: 5.20 min Scan# 307
Delta R.T. -0.05 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Tgt Ion:112 Resp: 486836
Ion Ratio Lower Upper
112 100
64 72.8 55.8 83.6
63 36.7 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: 28.82 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

Instrument :

BNA_F

ClientSampleId :

C19013041

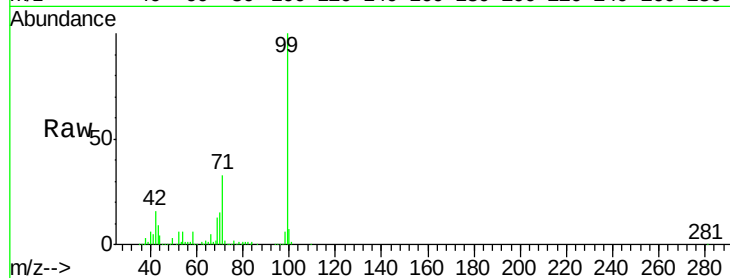
Tgt Ion: 99 Resp: 443173

Ion Ratio Lower Upper

99 100

42 15.6 13.9 20.9

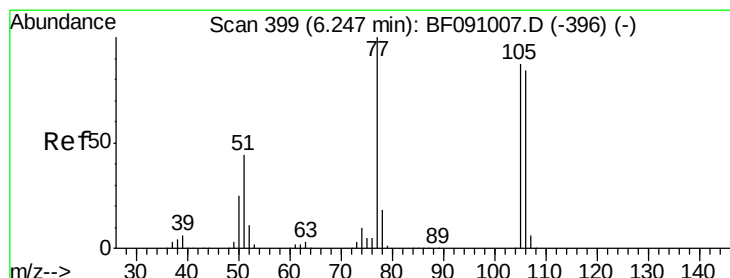
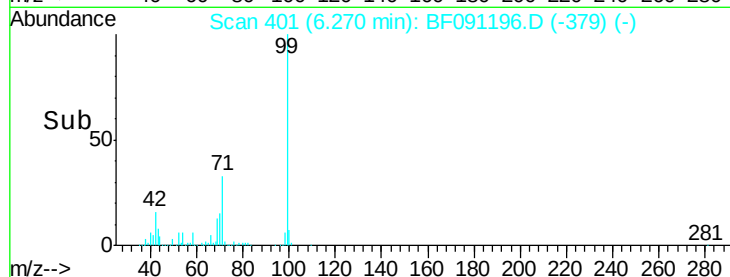
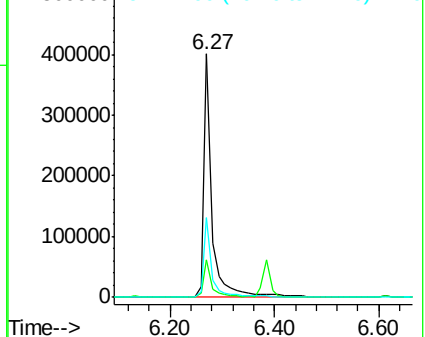
71 32.8 27.8 41.8



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



#9

Benzaldehyde

Concen: 2.64 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

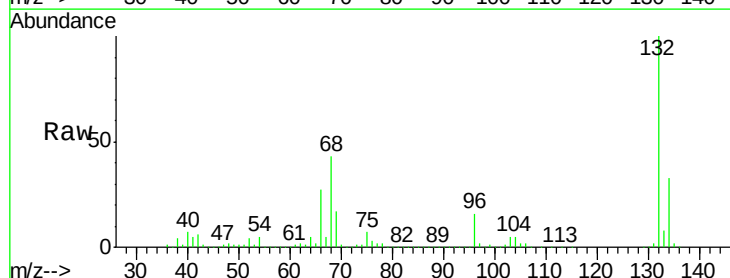
Tgt Ion: 77 Resp: 22556

Ion Ratio Lower Upper

77 100

105 79.7 66.8 106.8

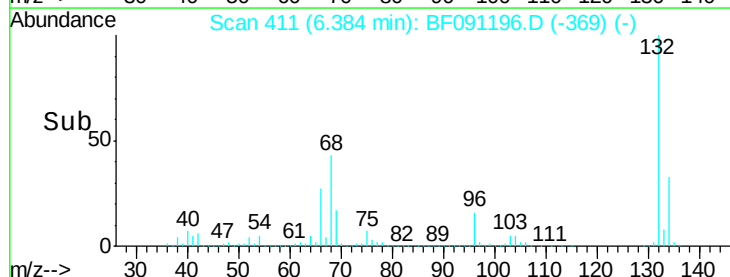
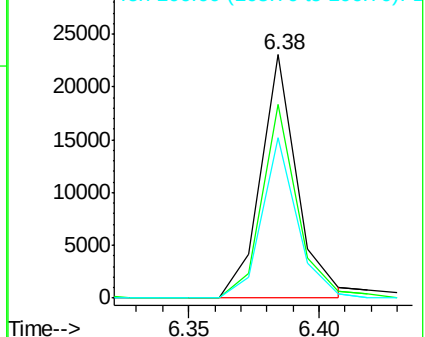
106 66.1 64.0 104.0

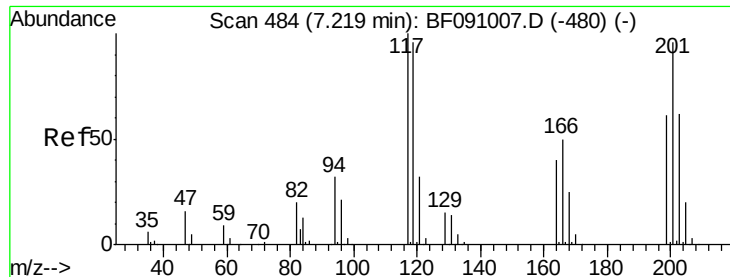


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

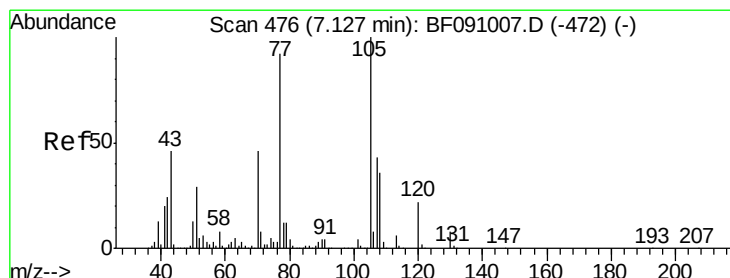
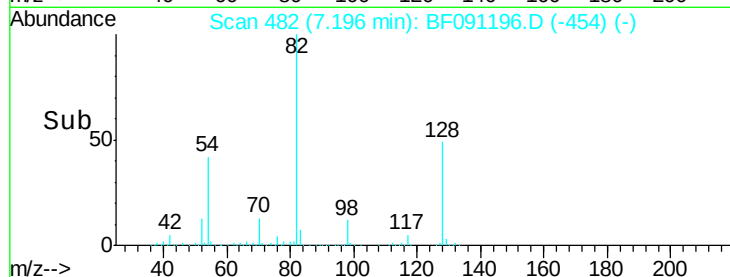
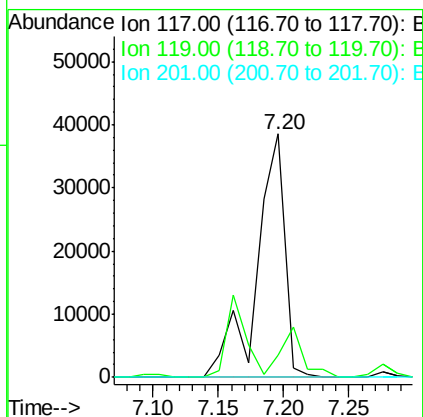
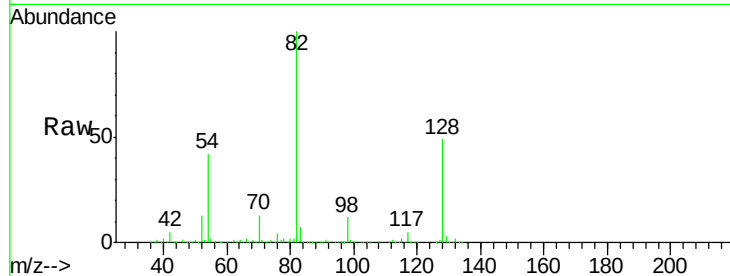




#18
Hexachloroethane
Concen: 10.29 ng
RT: 7.20 min Scan# 482
Delta R.T. 0.02 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

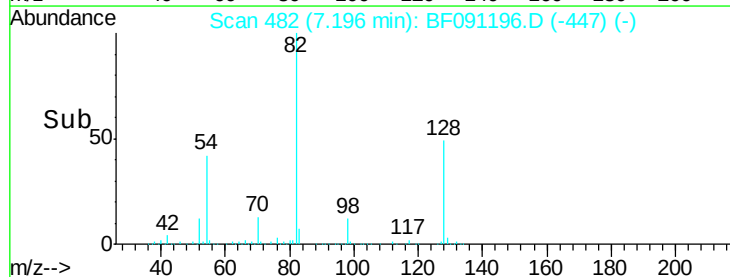
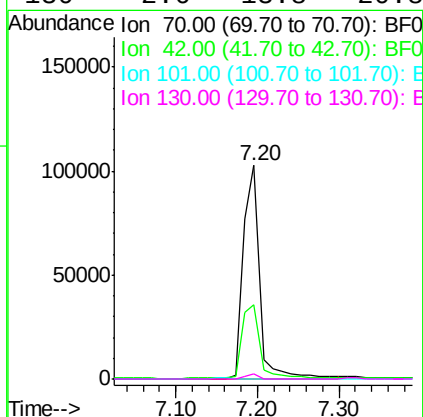
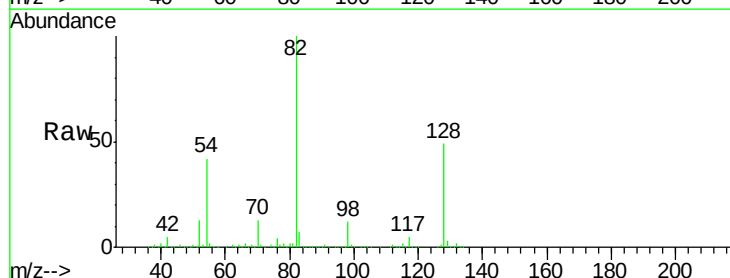
Instrument :
BNA_F
ClientSampleId :
C19013041

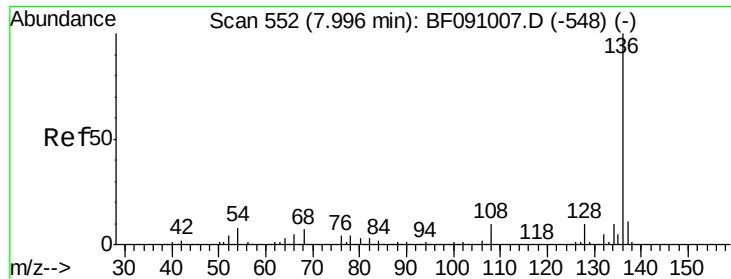
Tgt Ion: 117 Resp: 58394
Ion Ratio Lower Upper
117 100
119 8.9 76.6 115.0#
201 0.0 77.1 115.7#



#19
n-Nitroso-di-n-propylamine
Concen: 13.53 ng
RT: 7.20 min Scan# 482
Delta R.T. 0.10 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Tgt Ion: 70 Resp: 144147
Ion Ratio Lower Upper
70 100
42 34.5 41.7 62.5#
101 0.0 6.7 10.1#
130 2.6 13.8 20.8#

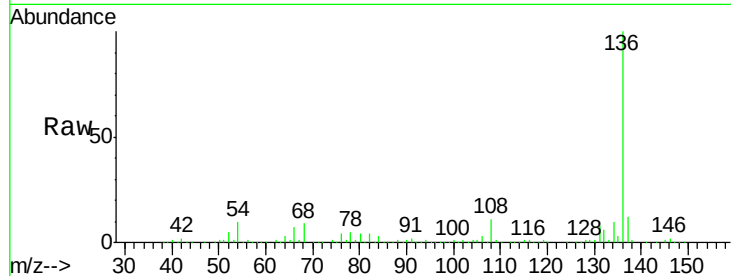




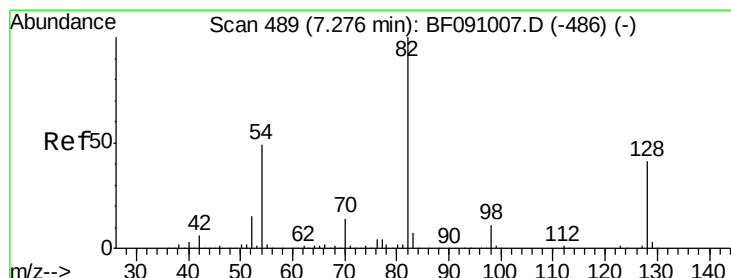
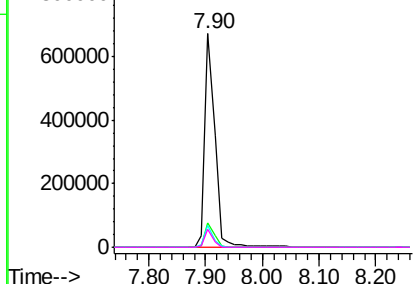
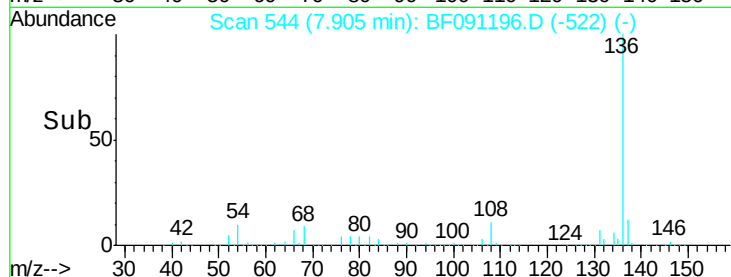
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Instrument :
BNA_F
ClientSampleId :
C19013041

Tgt Ion:	136	Resp:	792025
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	10.2	6.2	9.2#
68	8.6	5.5	8.3#

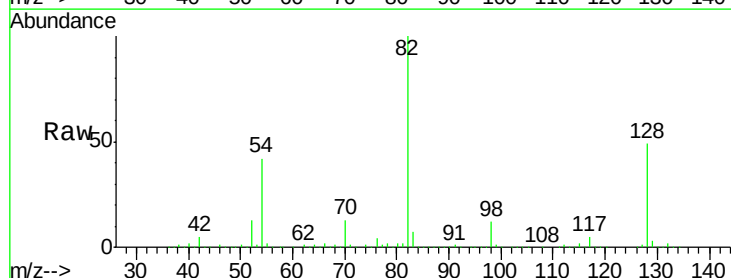


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

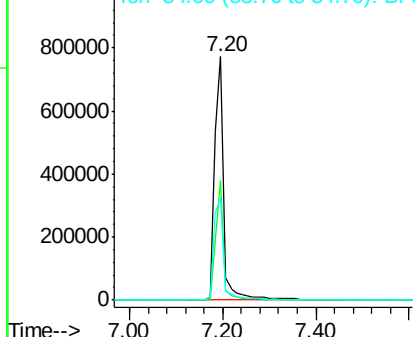
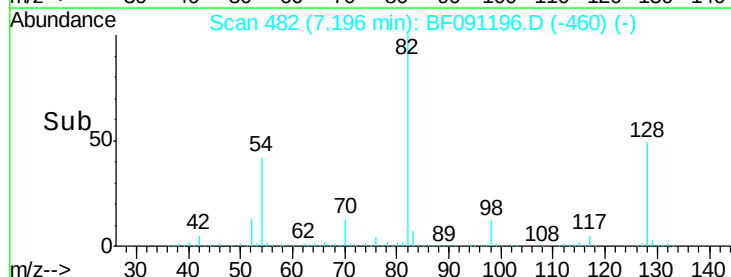


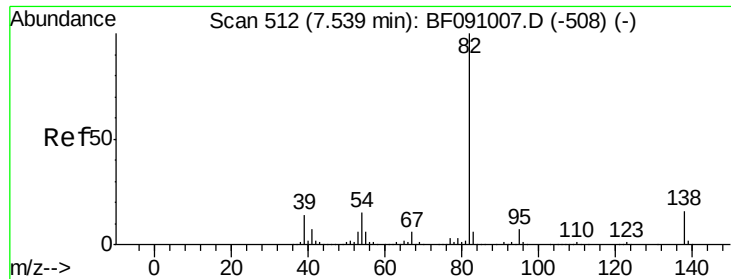
#23
Nitrobenzene-d5
Concen: 73.62 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Tgt Ion:	82	Resp:	1068867
Ion	Ratio	Lower	Upper
82	100		
128	48.9	32.4	48.6#
54	42.3	39.2	58.8



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





#25

Isophorone

Concen: 37.12 ng

RT: 7.20 min Scan# 482

Delta R.T. -0.30 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

Instrument :

BNA_F

ClientSampleId :

C19013041

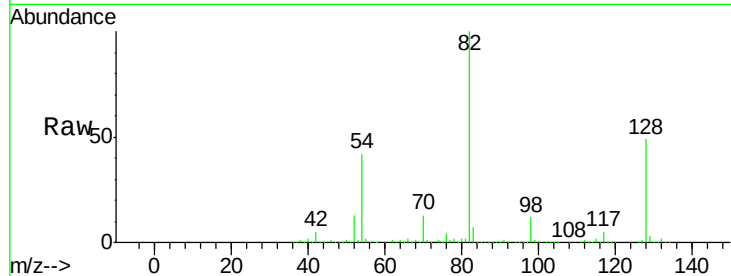
Tgt Ion: 82 Resp: 1038405

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

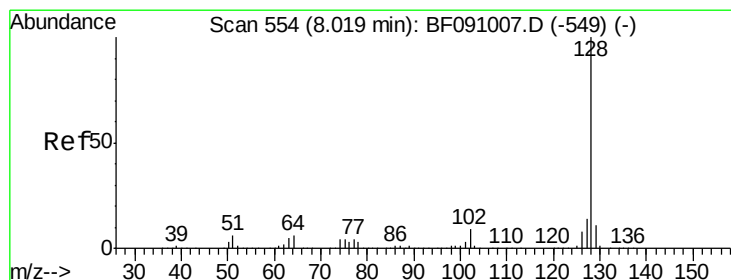
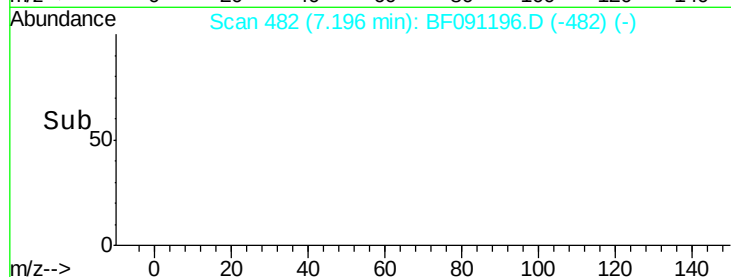
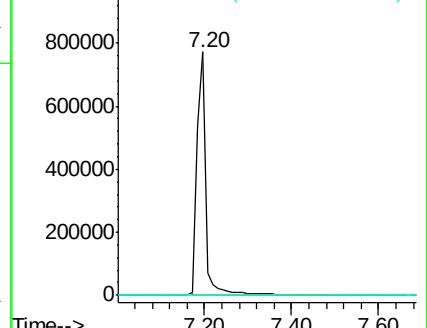
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 4.78 ng

RT: 7.93 min Scan# 546

Delta R.T. -0.05 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

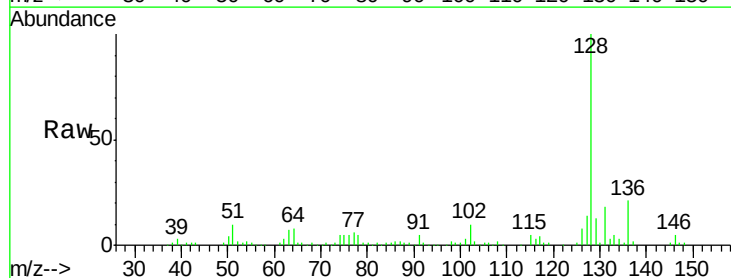
Tgt Ion: 128 Resp: 180960

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

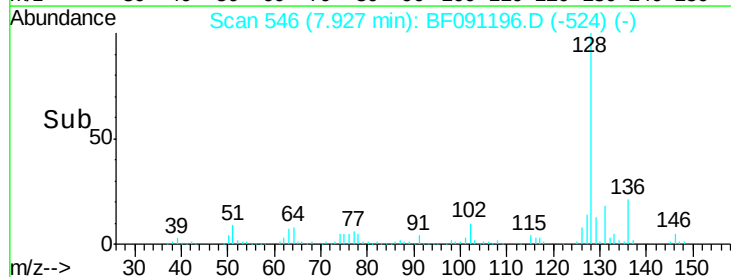
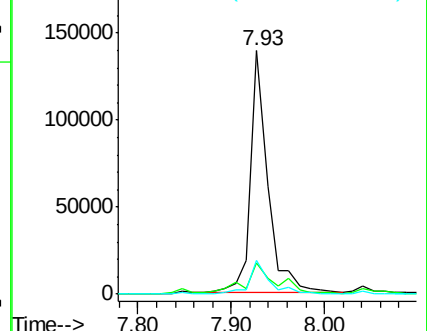
127 13.7 10.9 16.3

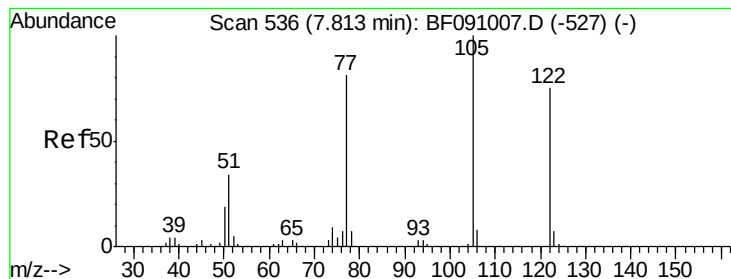


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 5.10 ng

RT: 7.55 min Scan# 513

Delta R.T. -0.23 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

Instrument :

BNA_F

ClientSampleId :

C19013041

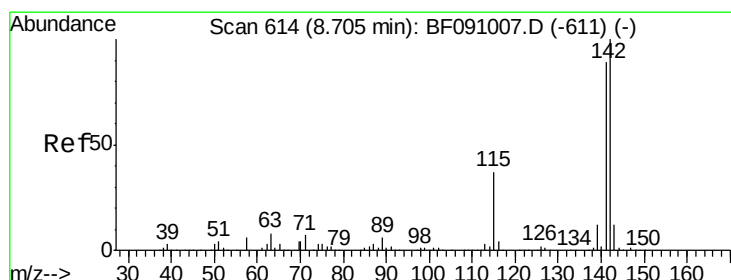
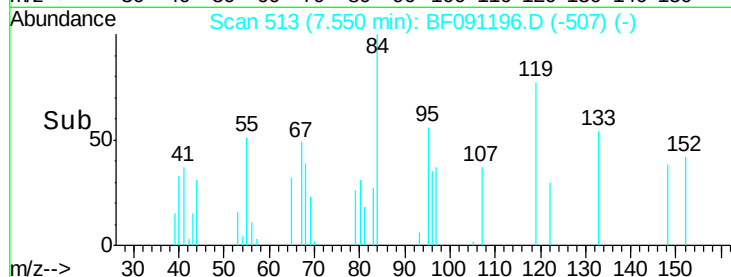
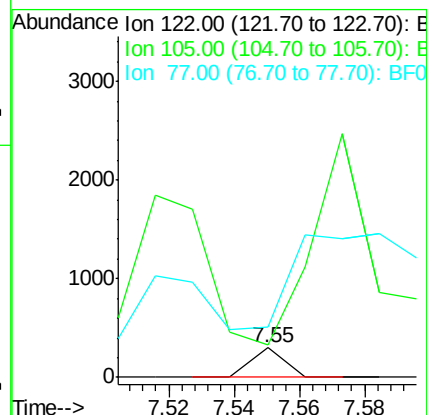
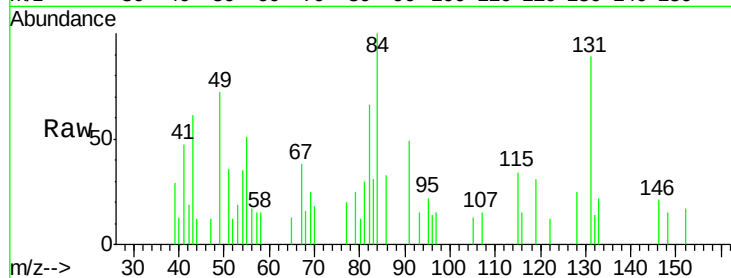
Tgt Ion:122 Resp: 206

Ion Ratio Lower Upper

122 100

105 110.7 105.9 145.9

77 168.7 84.0 124.0#



#37

2-Methylnaphthalene

Concen: 5.89 ng

RT: 8.62 min Scan# 607

Delta R.T. -0.05 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

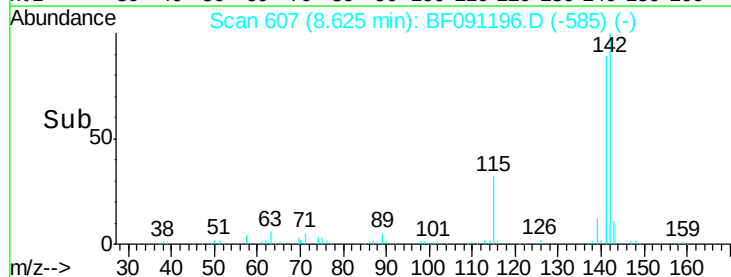
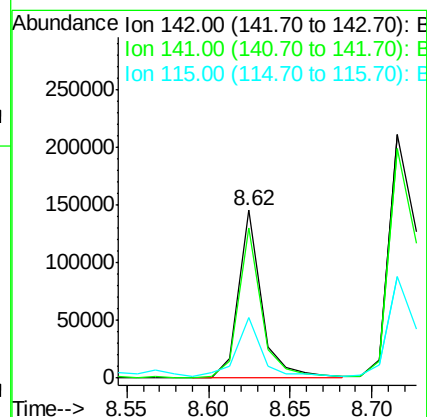
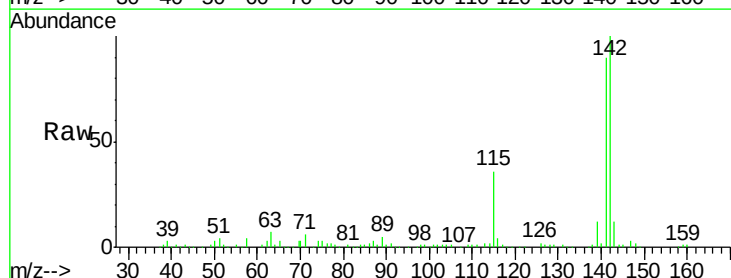
Tgt Ion:142 Resp: 143454

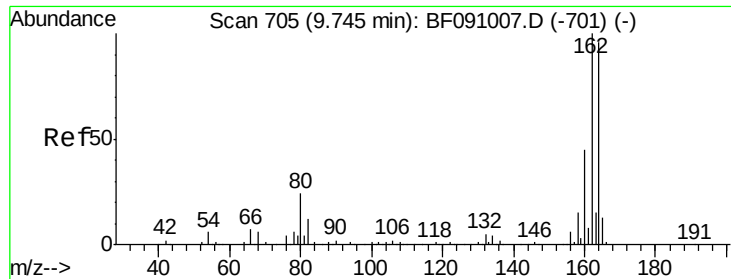
Ion Ratio Lower Upper

142 100

141 89.7 71.3 106.9

115 36.2 29.9 44.9

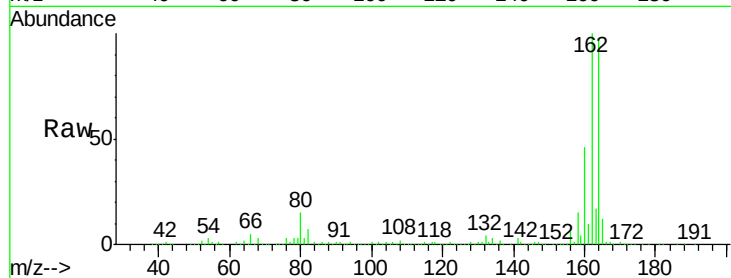




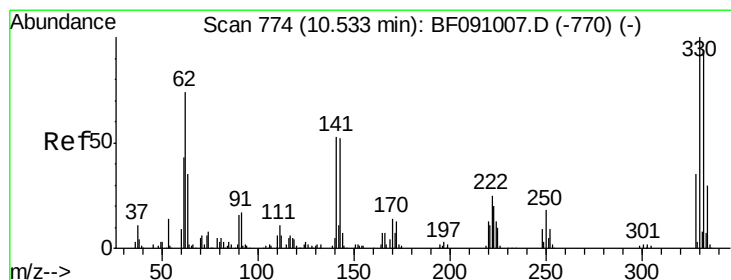
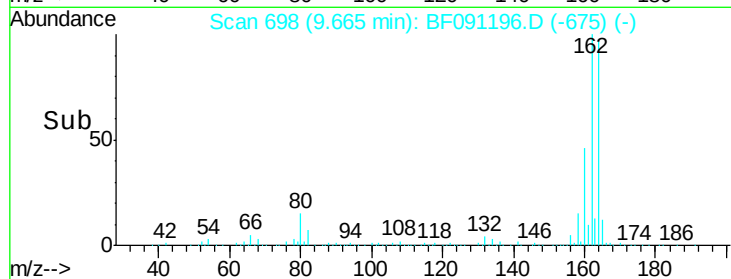
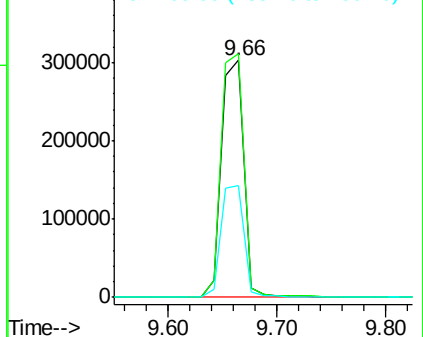
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 698
Delta R.T. -0.03 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Instrument :
BNA_F
ClientSampleId :
C19013041

Tgt Ion:164 Resp: 433524
Ion Ratio Lower Upper
164 100
162 102.7 83.6 125.4
160 47.2 37.9 56.9

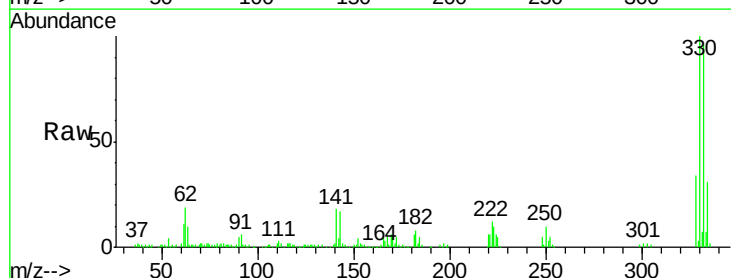


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

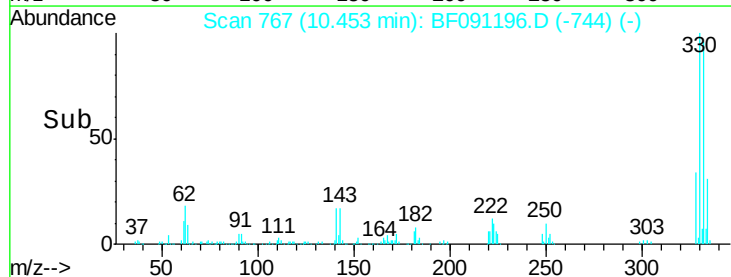
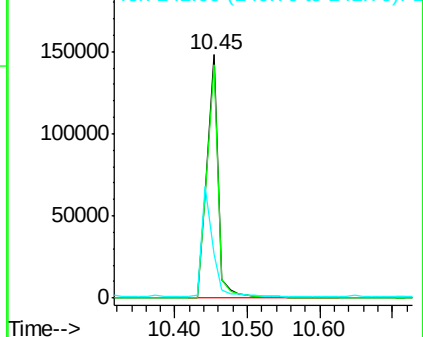


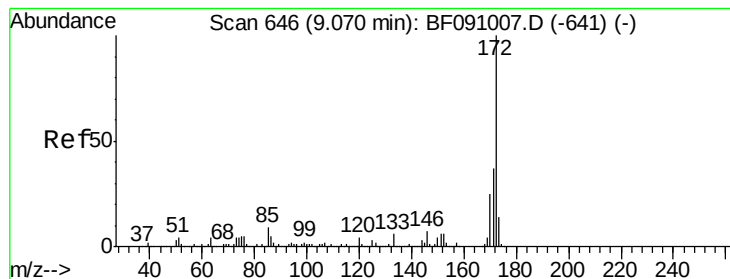
#41
2,4,6-Tribromophenol
Concen: 41.44 ng
RT: 10.45 min Scan# 767
Delta R.T. -0.03 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Tgt Ion:330 Resp: 162429
Ion Ratio Lower Upper
330 100
332 97.0 75.9 113.9
141 43.6 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: 67.73 ng

RT: 8.99 min Scan# 639

Delta R.T. -0.05 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

Instrument :

BNA_F

ClientSampleId :

C19013041

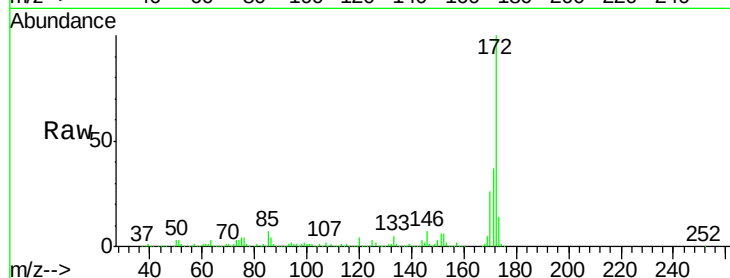
Tgt Ion:172 Resp: 1705391

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.6

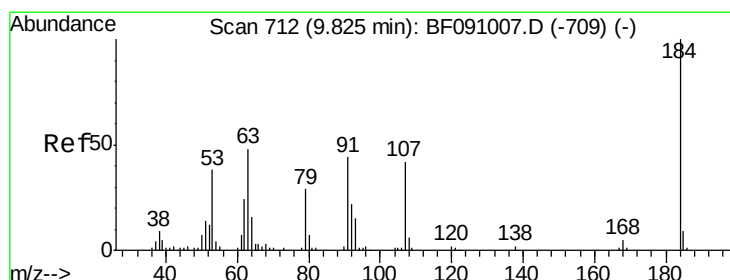
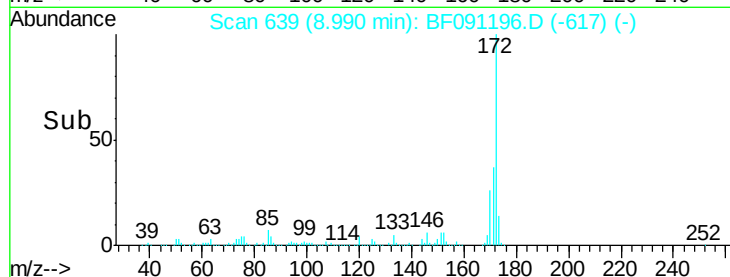
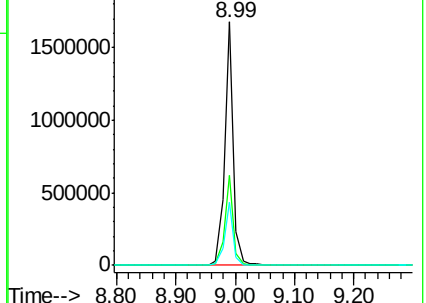
170 25.8 20.3 30.5



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



#53

2,4-Dinitrophenol

Concen: 6.56 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.17 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

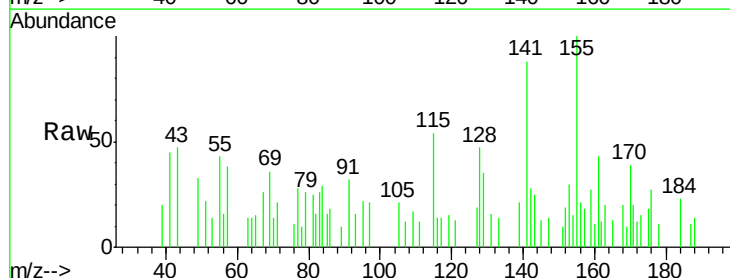
Tgt Ion:184 Resp: 1097

Ion Ratio Lower Upper

184 100

63 60.7 45.5 68.3

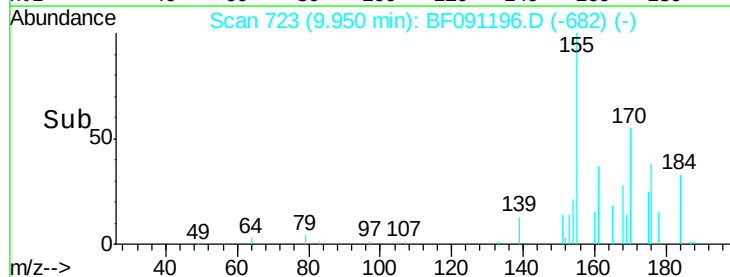
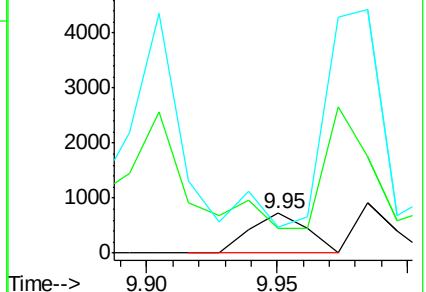
154 64.4 51.0 76.4

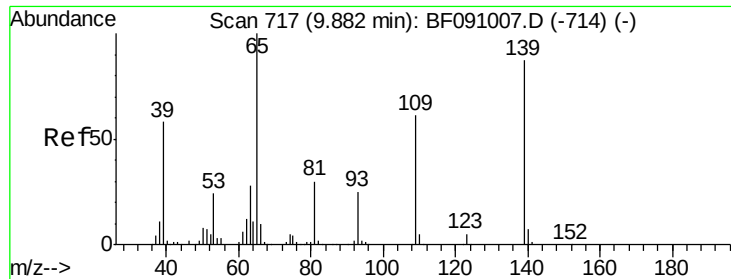


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

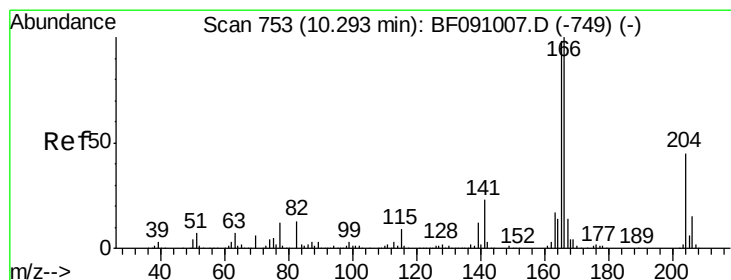
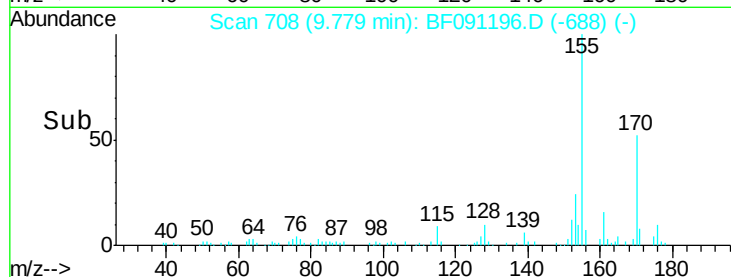
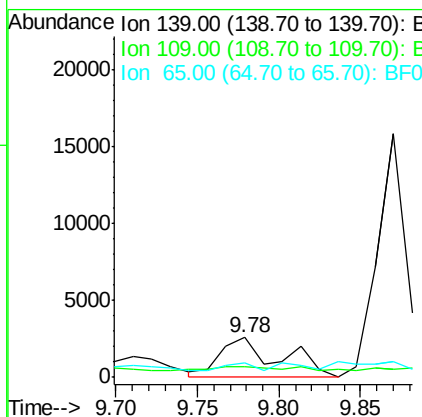
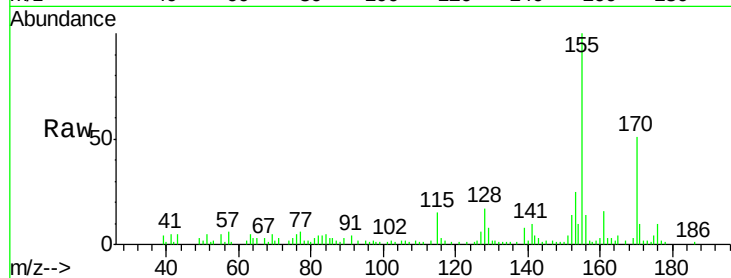




#55
4-Nitrophenol
Concen: 6.98 ng
RT: 9.78 min Scan# 708
Delta R.T. -0.07 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

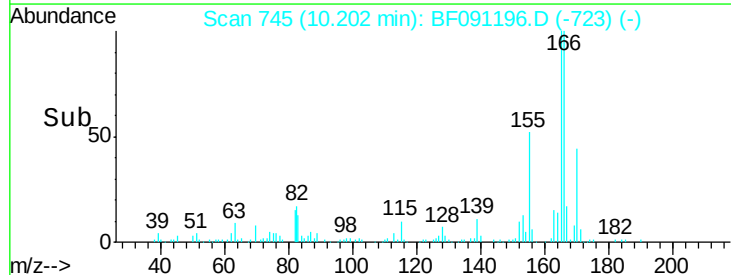
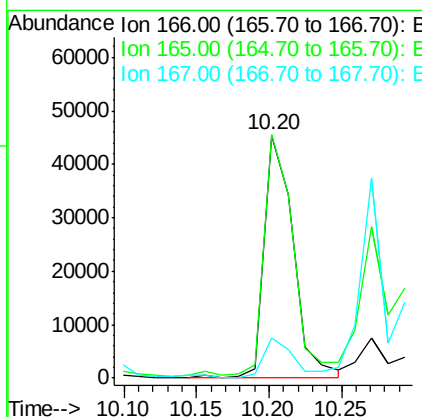
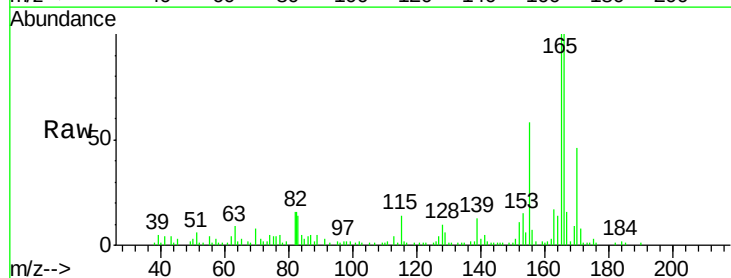
Instrument :
BNA_F
ClientSampleId :
C19013041

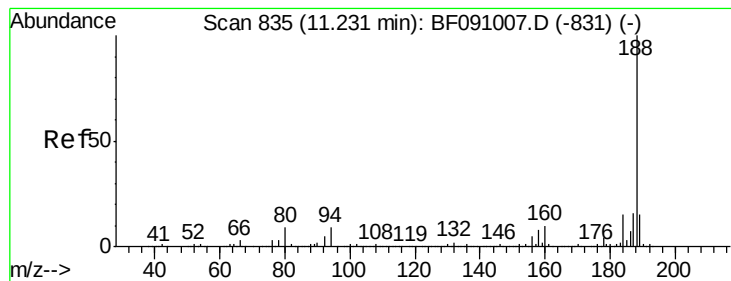
Tgt Ion:139 Resp: 6491
Ion Ratio Lower Upper
139 100
109 25.6 50.5 90.5#
65 36.0 97.1 137.1#



#57
Fluorene
Concen: 2.44 ng
RT: 10.20 min Scan# 745
Delta R.T. -0.05 min
Lab File: BF091196.D
Acq: 16 Nov 2016 18:59

Tgt Ion:166 Resp: 63223
Ion Ratio Lower Upper
166 100
165 100.4 78.6 118.0
167 16.5 11.1 16.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.03 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

Instrument :

BNA_F

ClientSampleId :

C19013041

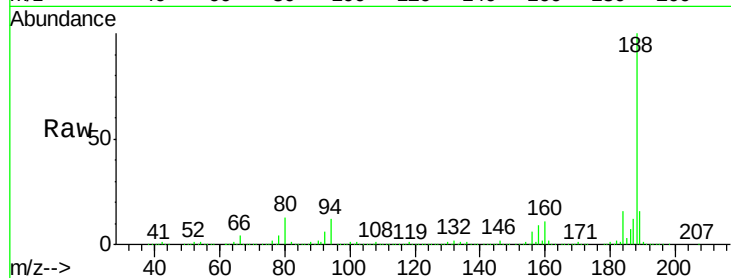
Tgt Ion:188 Resp: 773941

Ion Ratio Lower Upper

188 100

94 11.6 7.0 10.4#

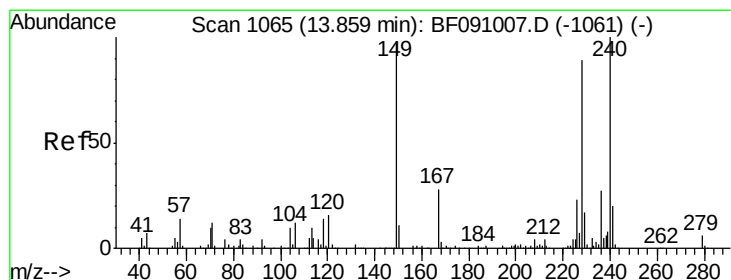
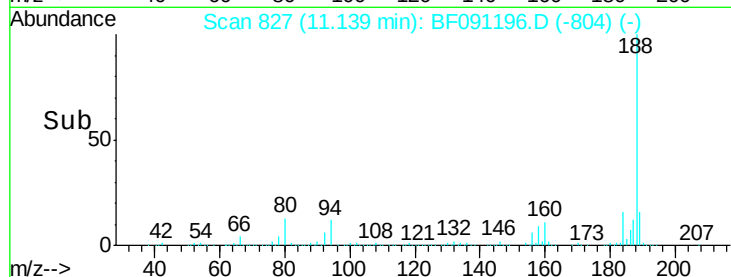
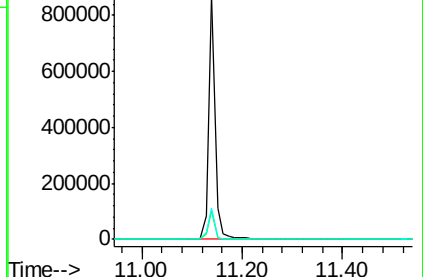
80 12.6 7.5 11.3#



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: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091196.D

Acq: 16 Nov 2016 18:59

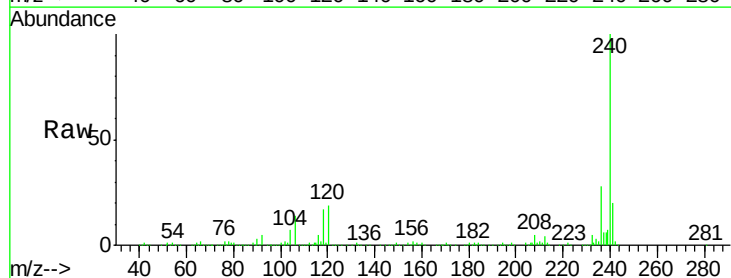
Tgt Ion:240 Resp: 580586

Ion Ratio Lower Upper

240 100

120 19.2 12.9 19.3

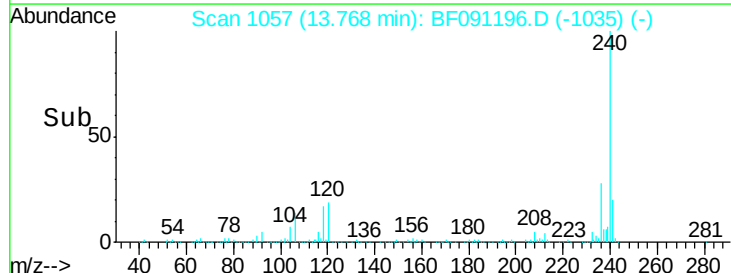
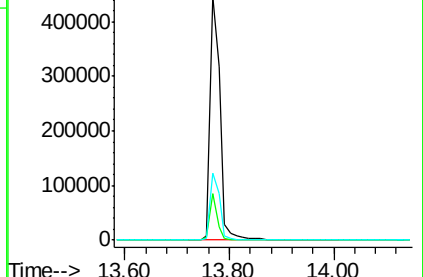
236 27.8 21.9 32.9

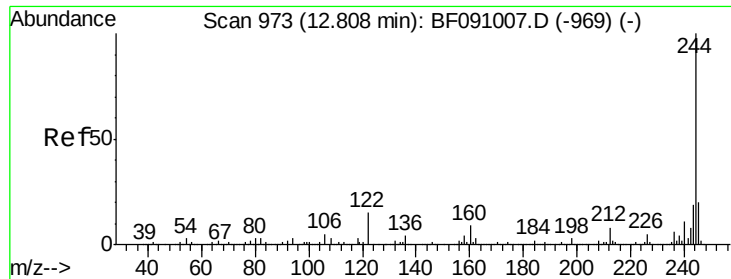


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

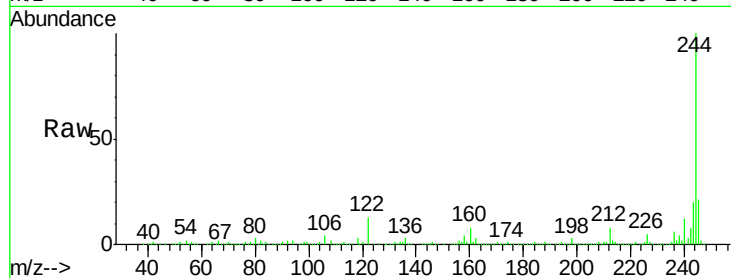




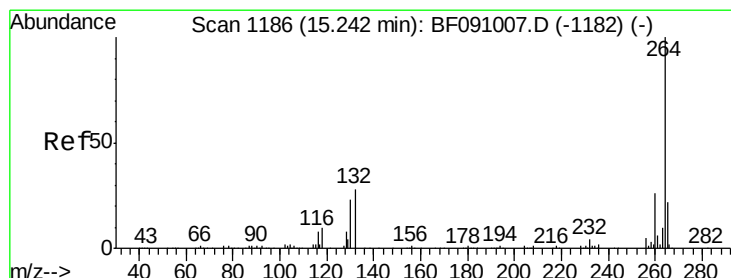
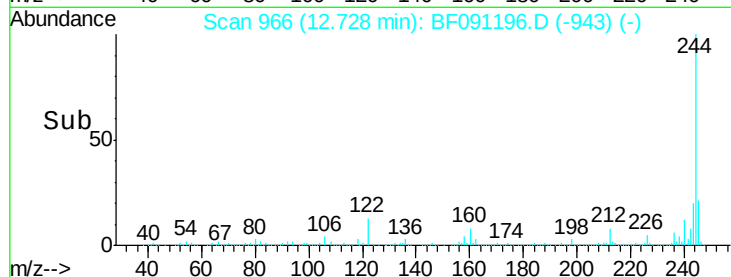
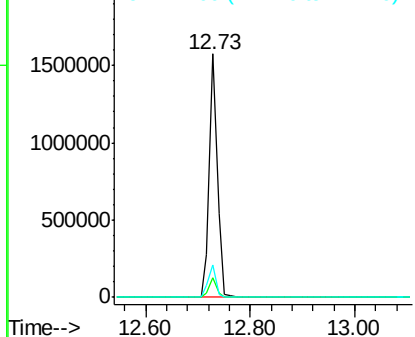
#78
 Terphenyl-d14
 Concen: 72.80 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.03 min
 Lab File: BF091196.D
 Acq: 16 Nov 2016 18:59

Instrument :
 BNA_F
 ClientSampleId :
 C19013041

Tgt Ion:244 Resp: 1693737
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.4 9.6
 122 13.3 12.3 18.5

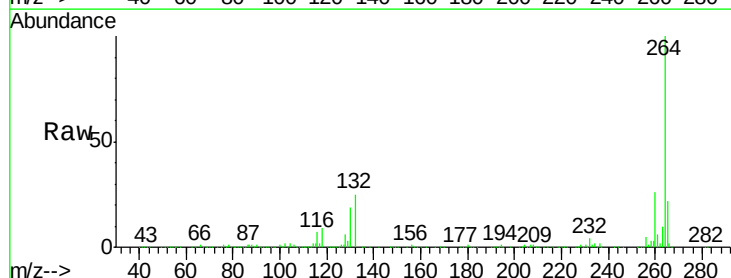


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091196.D
 Acq: 16 Nov 2016 18:59

Tgt Ion:264 Resp: 458782
 Ion Ratio Lower Upper
 264 100
 260 25.9 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

