

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091113.D
 Acq On : 9 Nov 2016 6:28
 Operator : UM/SJ
 Sample : H5578-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ERM33

Quant Time: Nov 09 07:56:52 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

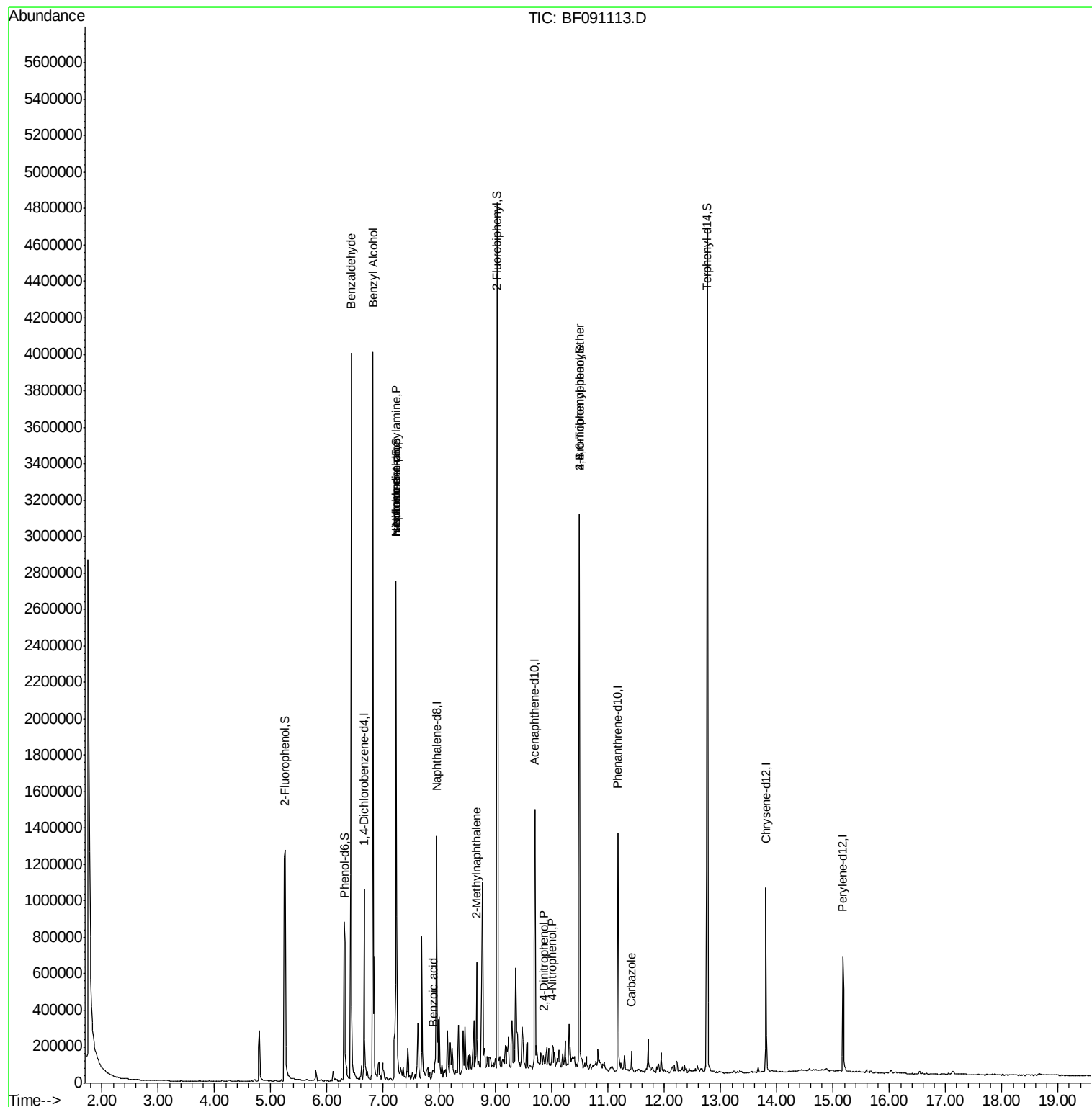
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	169130	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	667037	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	326531	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	437623	20.00	ng	0.00
75) Chrysene-d12	13.80	240	324819	20.00	ng	-0.01
86) Perylene-d12	15.17	264	301585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	625936	61.12	ng	0.01
7) Phenol-d6	6.32	99	515469	37.08	ng	0.00
23) Nitrobenzene-d5	7.23	82	1009104	82.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	389347	131.89	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1726366	91.02	ng	-0.01
78) Terphenyl-d14	12.76	244	1368973	105.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	27103	3.51	ng	Qvalue 87
15) Benzyl Alcohol	6.82	79	21762	2.22	ng	# 50
18) Hexachloroethane	7.23	117	169683	33.08	ng	# 2
19) n-Nitroso-di-n-propylamine	7.23	70	138222	14.35	ng	# 80
25) Isophorone	7.23	82	858992	36.46	ng	# 67
32) Benzoic acid	7.89	122	341	5.12	ng	# 1
37) 2-Methylnaphthalene	8.66	142	171556	8.37	ng	98
53) 2,4-Dinitrophenol	9.85	184	1211	6.71	ng	# 49
55) 4-Nitrophenol	10.01	139	2476	6.37	ng	89
66) 4-Bromophenyl-phenylether	10.49	248	27453	6.03	ng	# 1
72) Carbazole	11.41	167	53176	2.39	ng	99

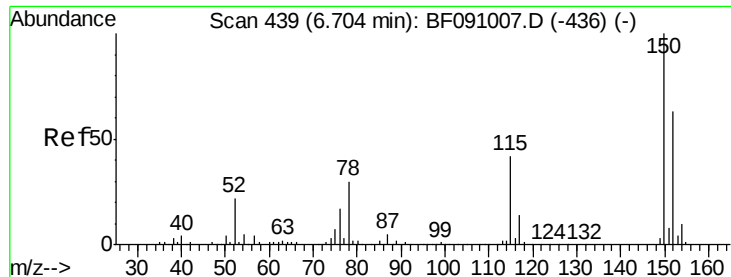
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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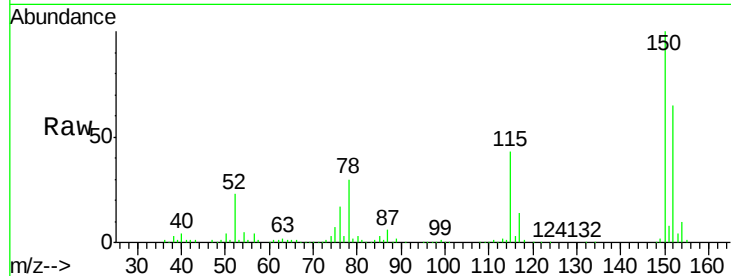




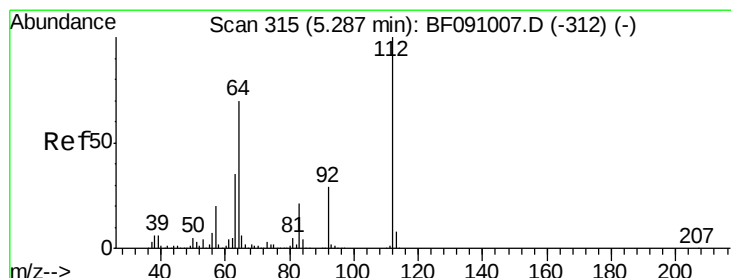
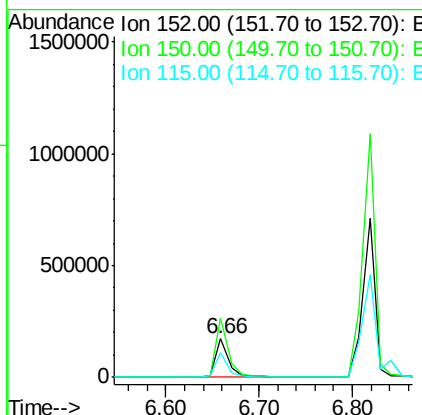
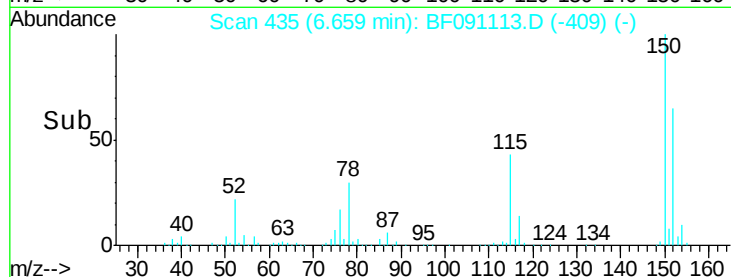
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: BF091113.D
 Acq: 9 Nov 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 ERM33

Tgt Ion:152 Resp: 169130
 Ion Ratio Lower Upper
 152 100
 150 153.7 126.8 190.2
 115 65.6 53.3 79.9

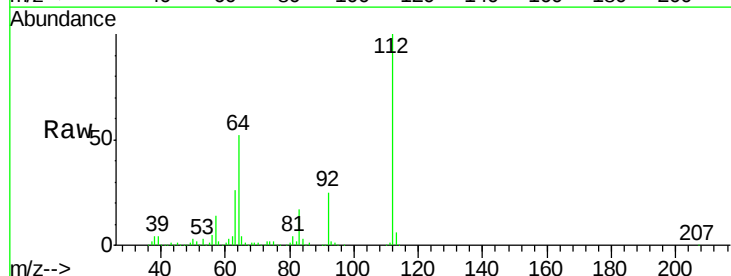


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

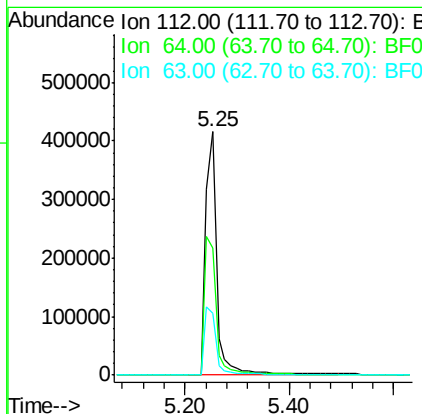
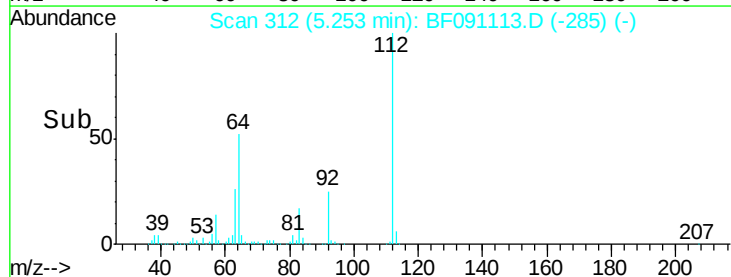


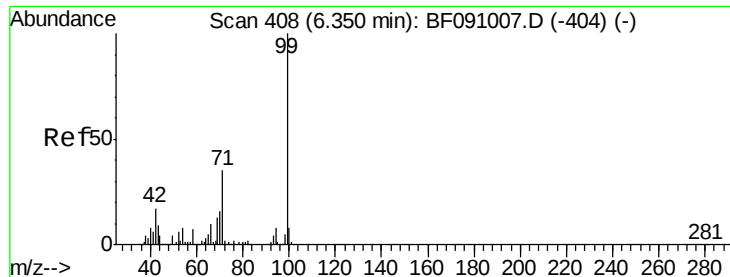
#5
 2-Fluorophenol
 Concen: 61.12 ng
 RT: 5.25 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: BF091113.D
 Acq: 9 Nov 2016 6:28

Tgt Ion:112 Resp: 625936
 Ion Ratio Lower Upper
 112 100
 64 52.0 55.8 83.6#
 63 25.6 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: 37.08 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

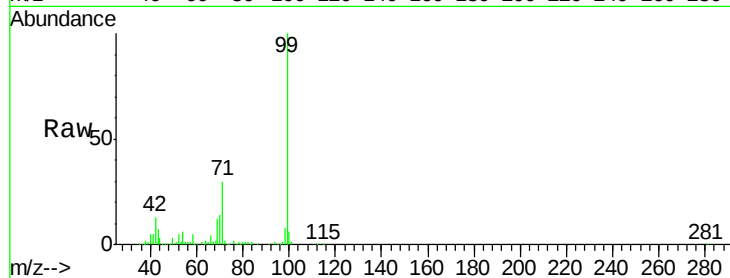
Tgt Ion: 99 Resp: 515469

Ion Ratio Lower Upper

99 100

42 13.0 13.9 20.9#

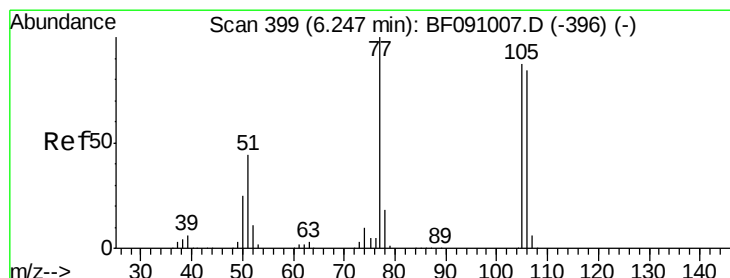
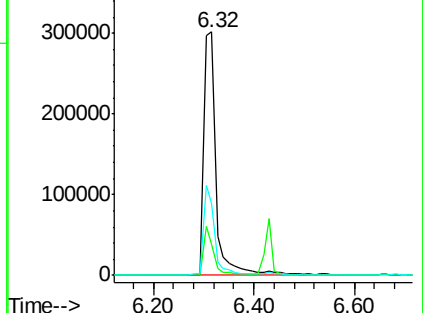
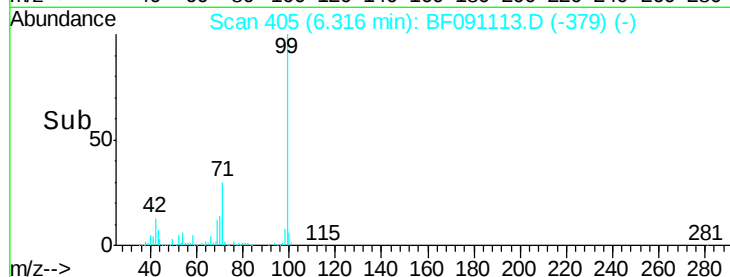
71 29.8 27.8 41.8



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: 3.51 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

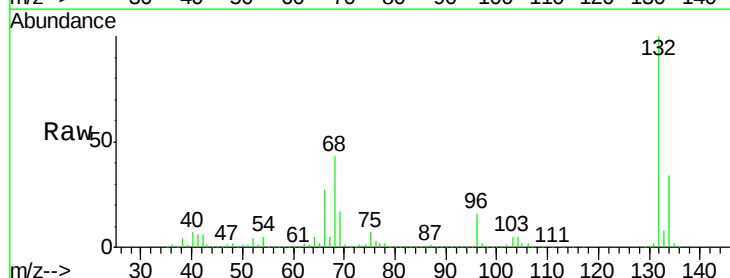
Tgt Ion: 77 Resp: 27103

Ion Ratio Lower Upper

77 100

105 77.3 66.8 106.8

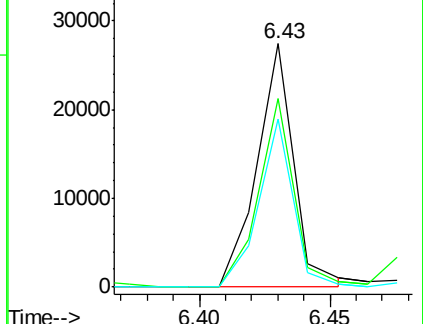
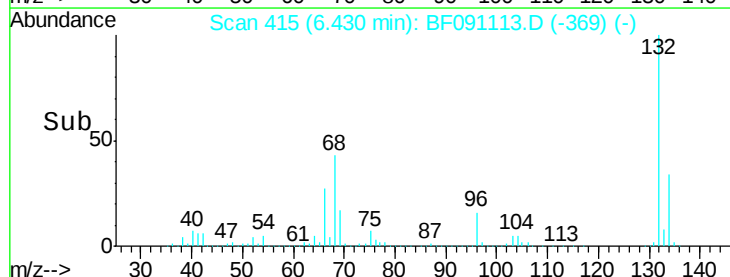
106 68.9 64.0 104.0

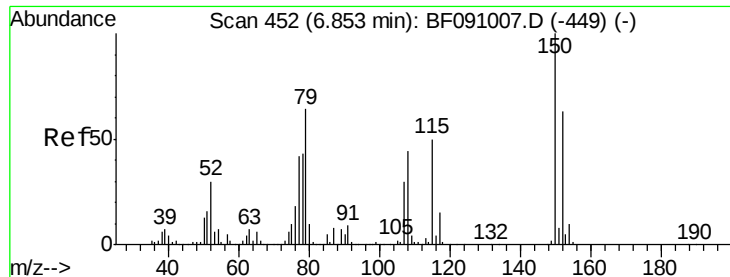


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 6.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

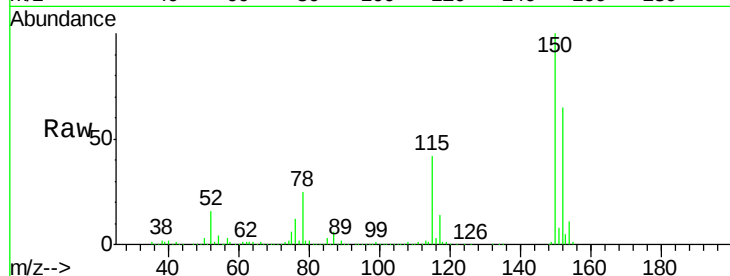
Tgt Ion: 79 Resp: 21762

Ion Ratio Lower Upper

79 100

108 30.8 55.7 83.5#

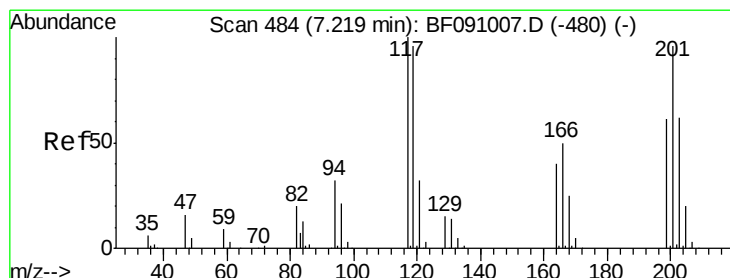
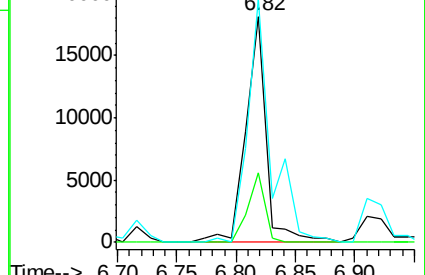
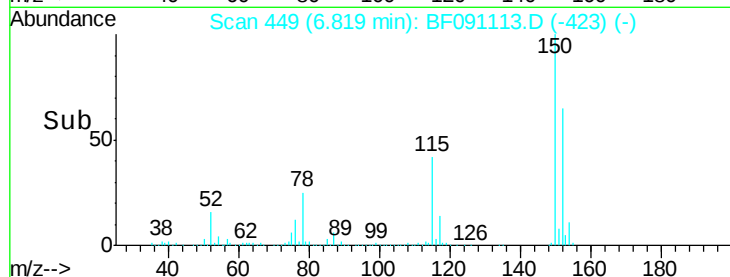
77 107.6 52.6 79.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 33.08 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.06 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

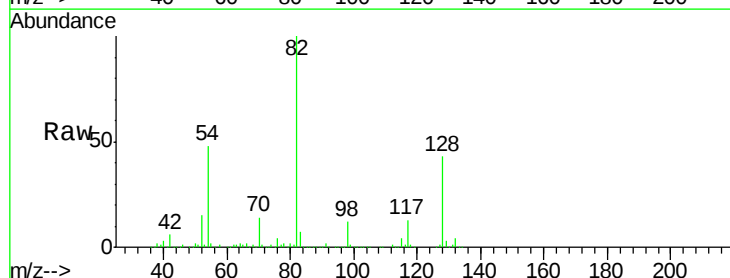
Tgt Ion: 117 Resp: 169683

Ion Ratio Lower Upper

117 100

119 1.1 76.6 115.0#

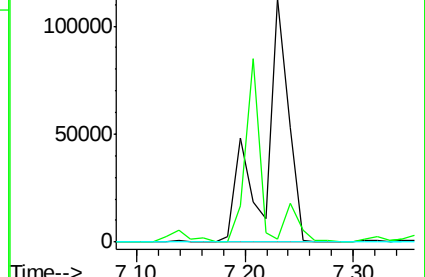
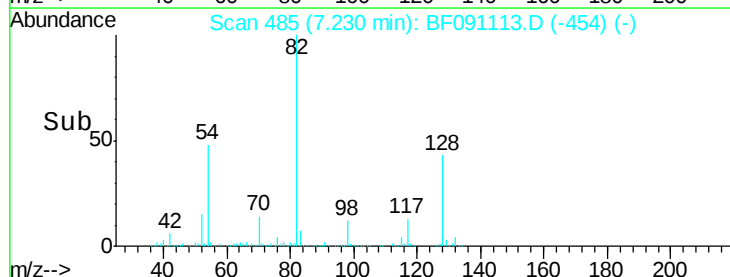
201 0.0 77.1 115.7#

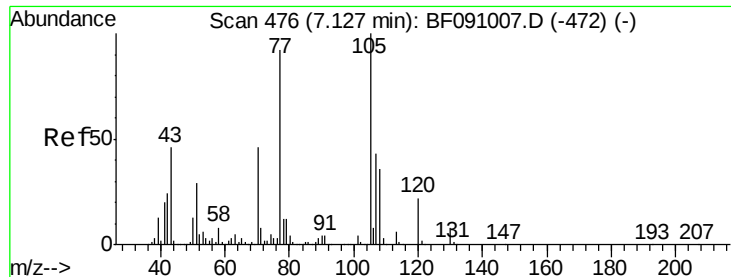


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.35 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.14 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

Tgt Ion: 70 Resp: 138222

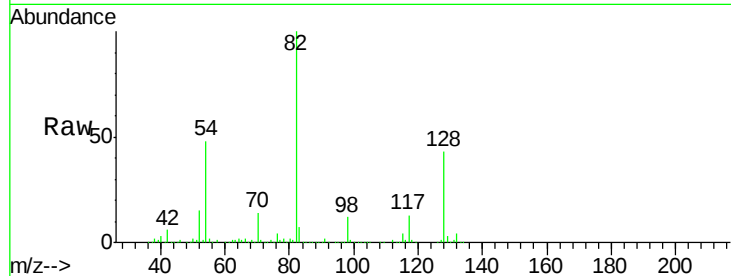
Ion Ratio Lower Upper

70 100

42 41.2 41.7 62.5#

101 0.4 6.7 10.1#

130 2.9 13.8 20.8#

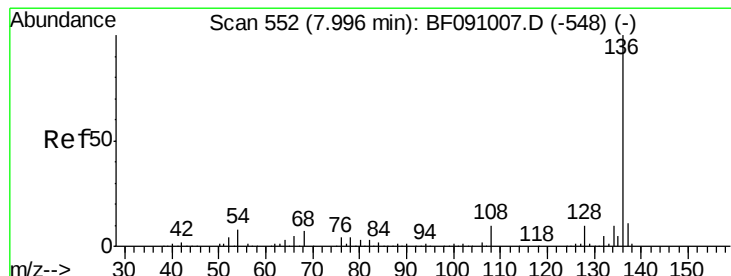
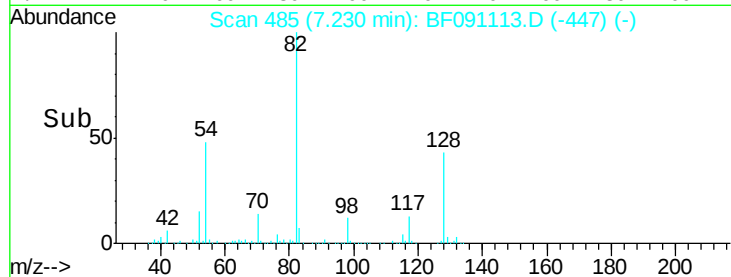
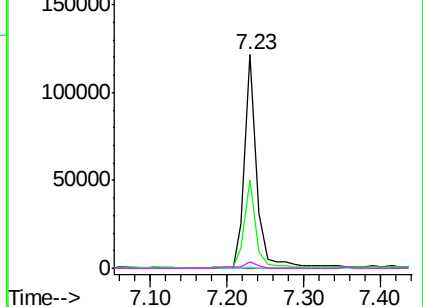


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Tgt Ion: 136 Resp: 667037

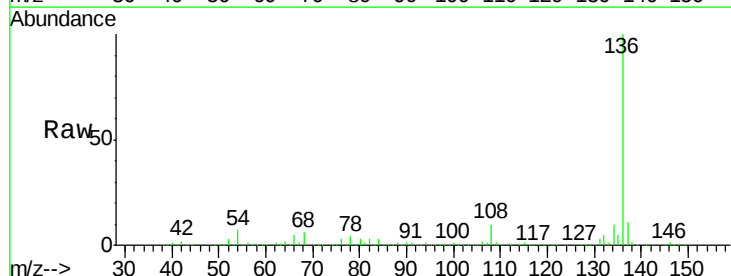
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.2 9.2

68 6.4 5.5 8.3

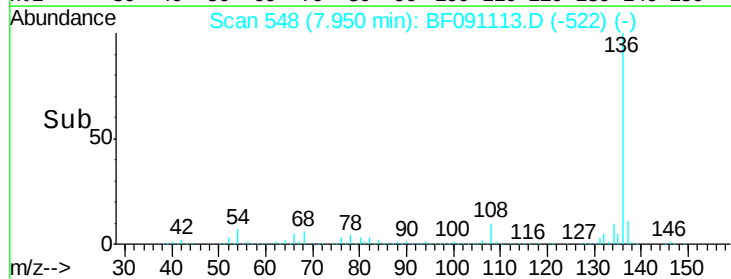
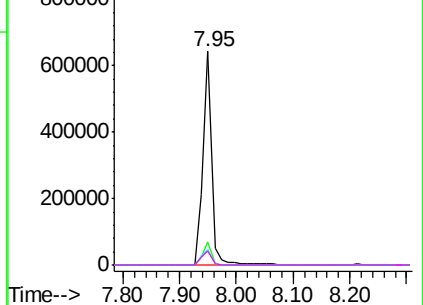


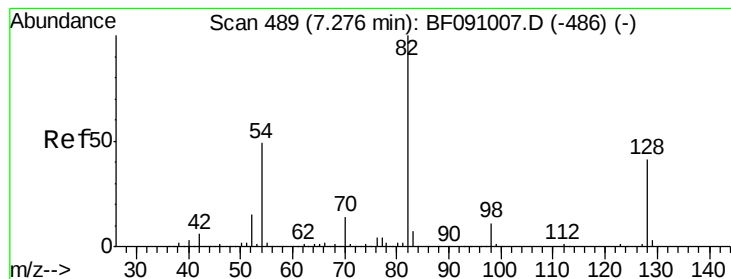
Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.53 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

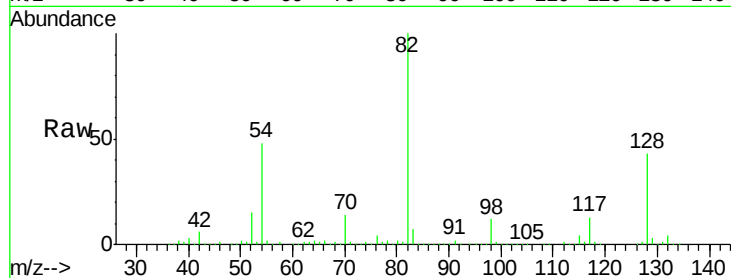
Tgt Ion: 82 Resp: 1009104

Ion Ratio Lower Upper

82 100

128 42.6 32.4 48.6

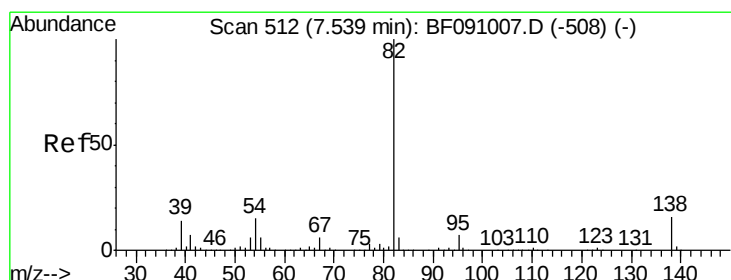
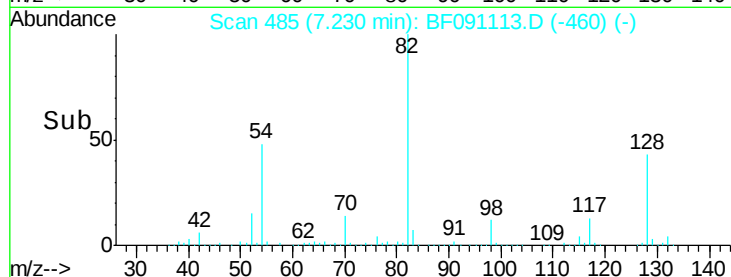
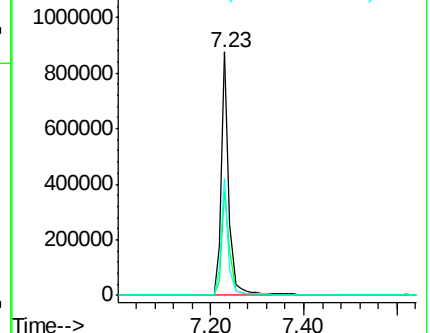
54 47.9 39.2 58.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 36.46 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.26 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

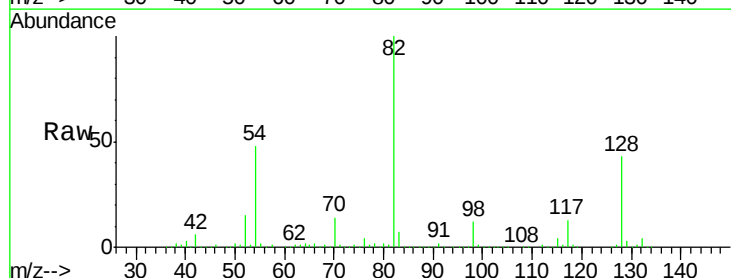
Tgt Ion: 82 Resp: 858992

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

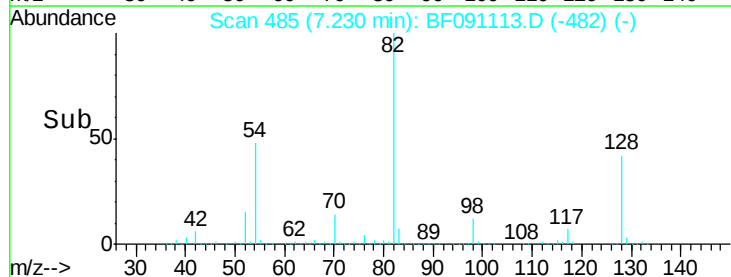
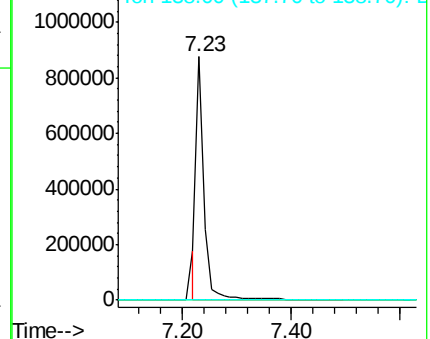
138 0.0 13.0 19.4#

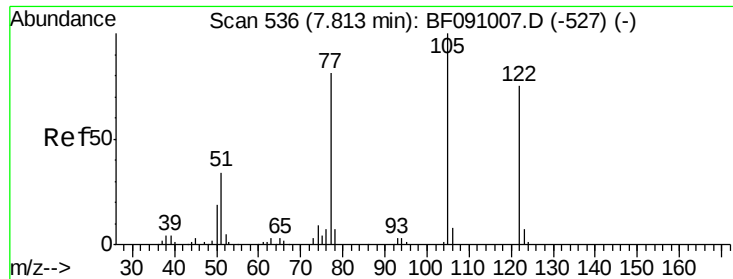


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

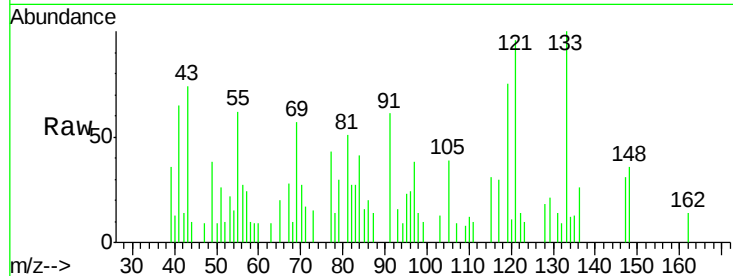




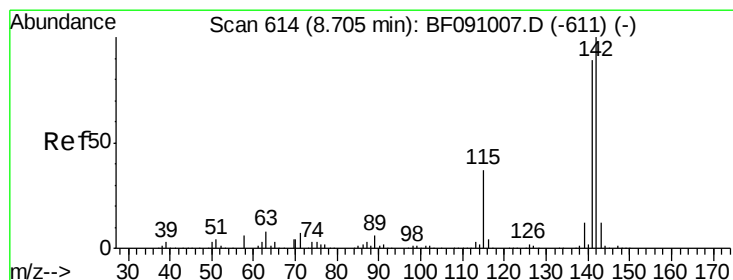
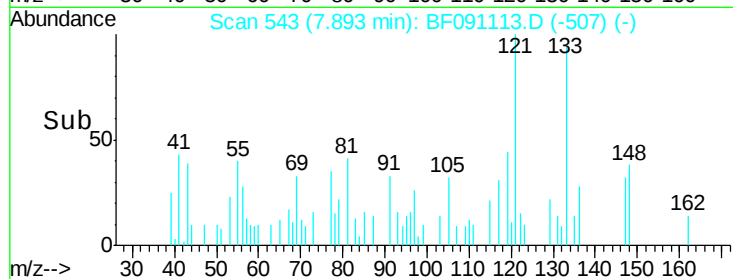
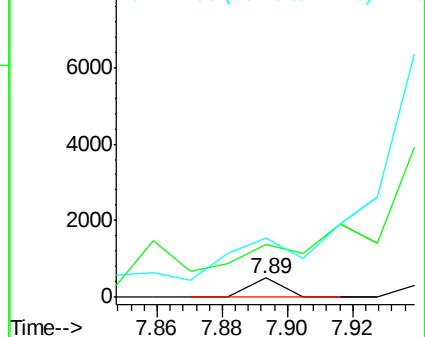
#32
Benzoic acid
Concen: 5.12 ng
RT: 7.89 min Scan# 543
Delta R.T. 0.11 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

Instrument :
BNA_F
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Tgt Ion:122 Resp: 341
Ion Ratio Lower Upper
122 100
105 280.3 105.9 145.9#
77 310.7 84.0 124.0#

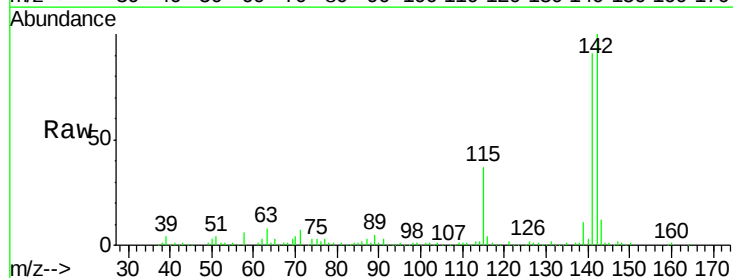


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

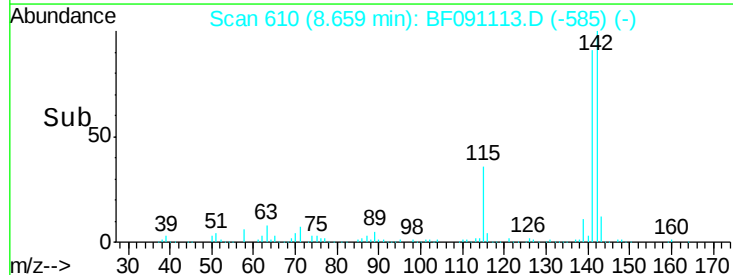
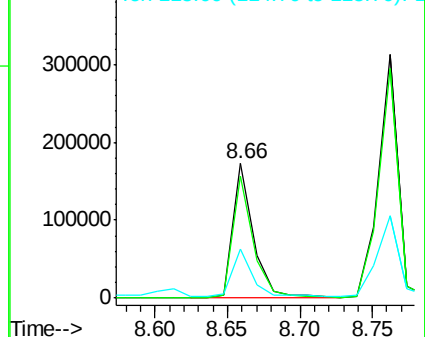


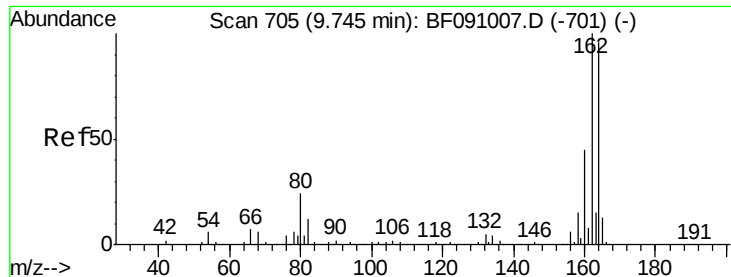
#37
2-Methylnaphthalene
Concen: 8.37 ng
RT: 8.66 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

Tgt Ion:142 Resp: 171556
Ion Ratio Lower Upper
142 100
141 91.1 71.3 106.9
115 36.7 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: 9.70 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

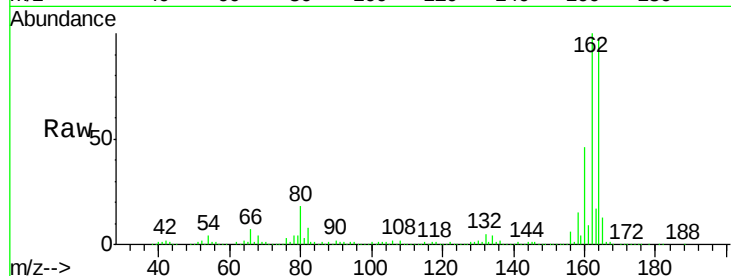
Tgt Ion:164 Resp: 326531

Ion Ratio Lower Upper

164 100

162 103.5 83.6 125.4

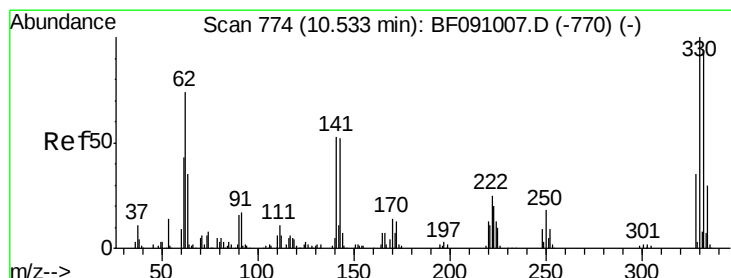
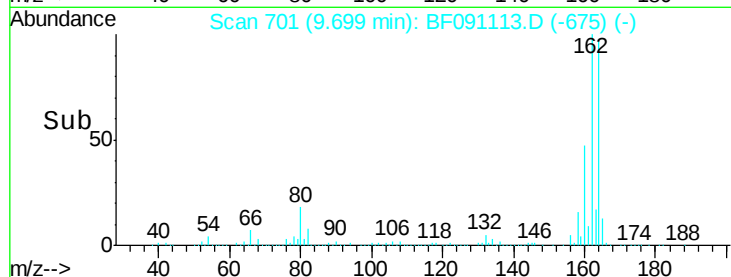
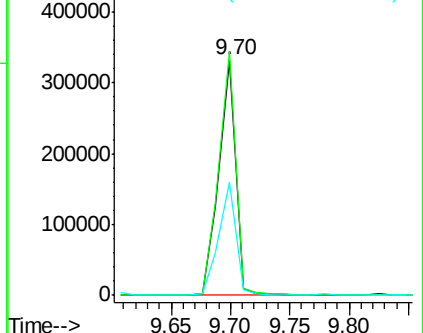
160 48.0 37.9 56.9



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: 131.89 ng

RT: 10.49 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

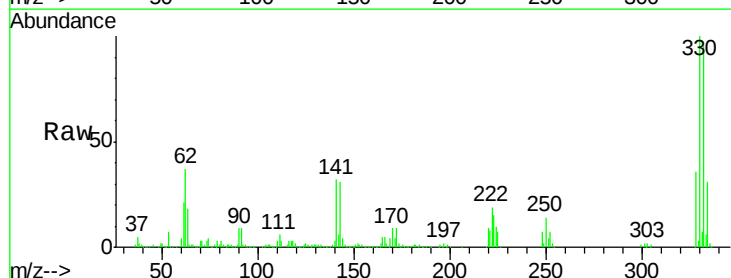
Tgt Ion:330 Resp: 389347

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

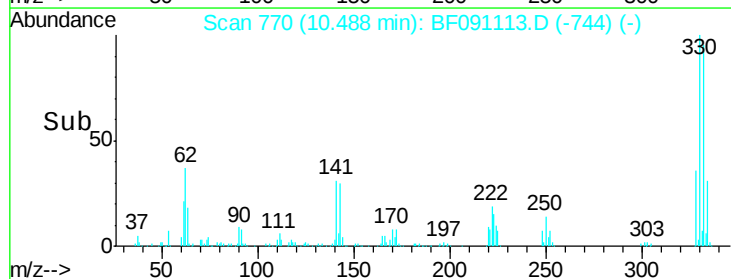
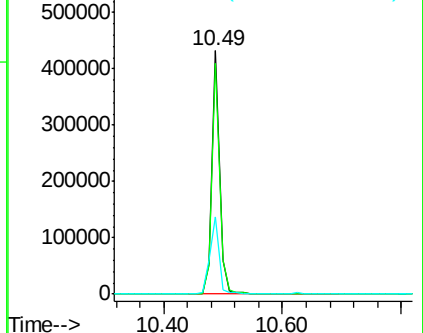
141 37.1 36.1 54.1

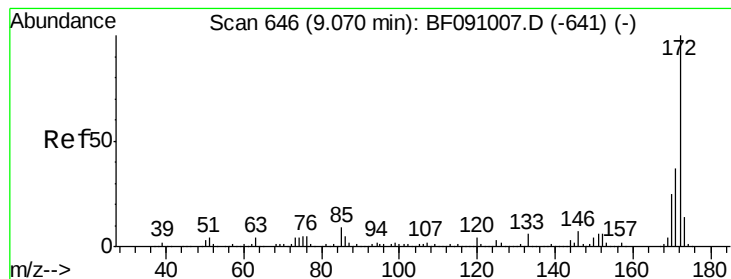


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 91.02 ng

RT: 9.02 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

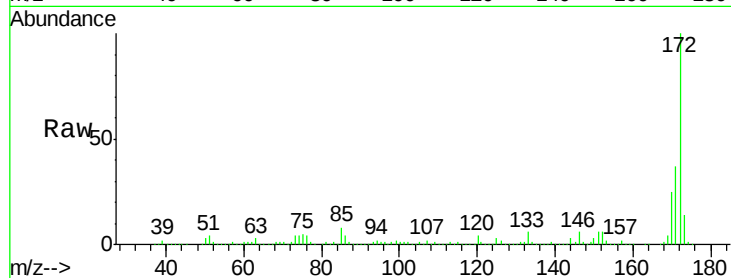
Tgt Ion:172 Resp: 1726366

Ion Ratio Lower Upper

172 100

171 36.9 29.8 44.6

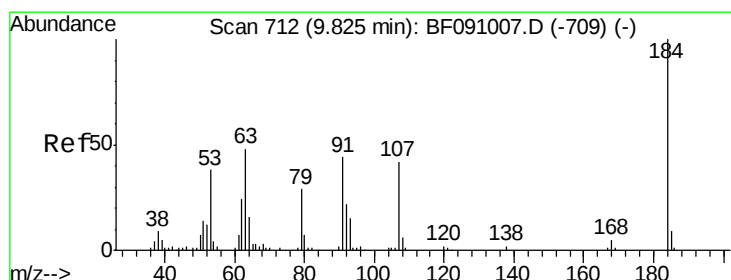
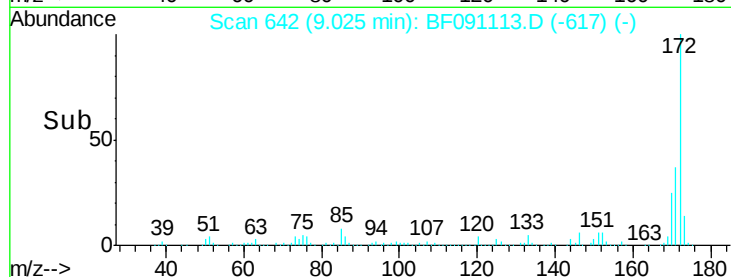
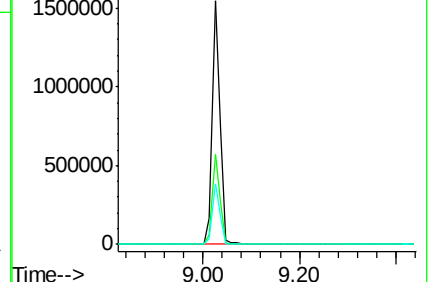
170 25.1 20.3 30.5



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: 6.71 ng

RT: 9.85 min Scan# 714

Delta R.T. 0.07 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

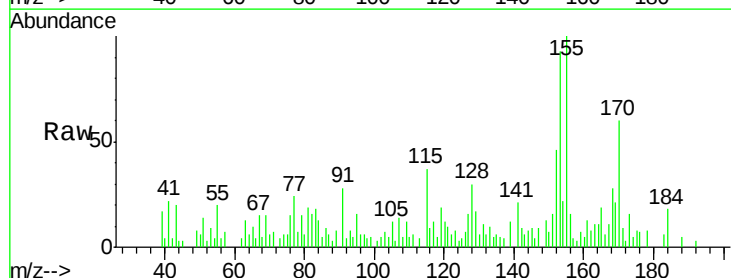
Tgt Ion:184 Resp: 1211

Ion Ratio Lower Upper

184 100

63 74.4 45.5 68.3#

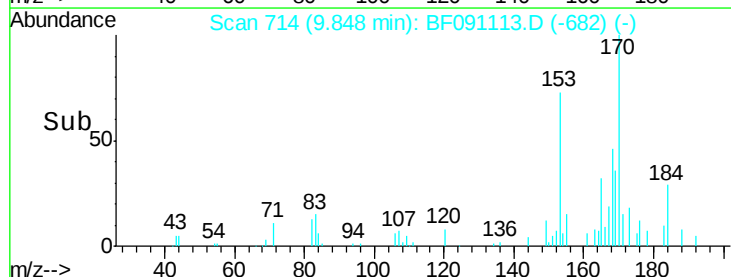
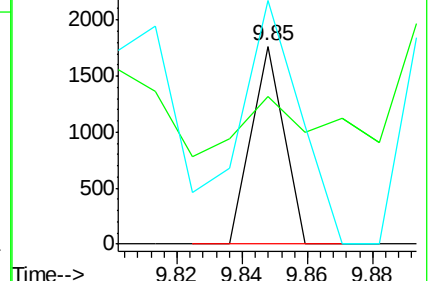
154 123.0 51.0 76.4#

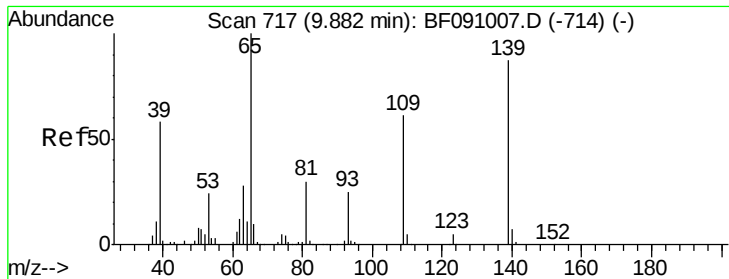


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 6.37 ng

RT: 10.01 min Scan# 728

Delta R.T. 0.16 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

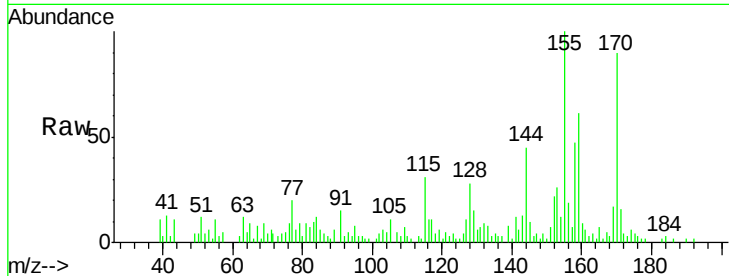
Tgt Ion:139 Resp: 2476

Ion Ratio Lower Upper

139 100

109 83.2 50.5 90.5

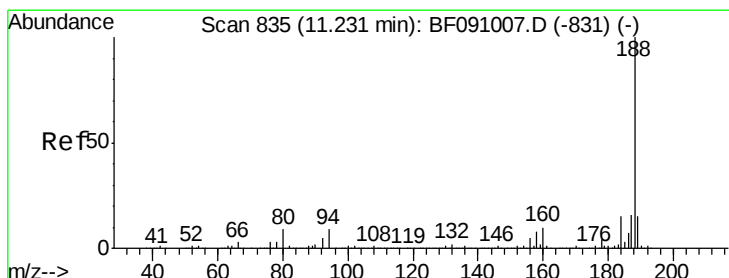
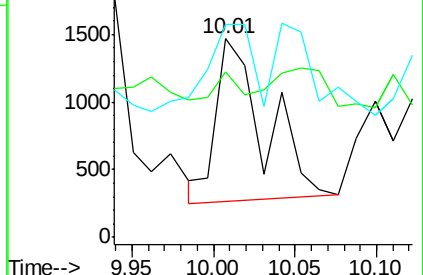
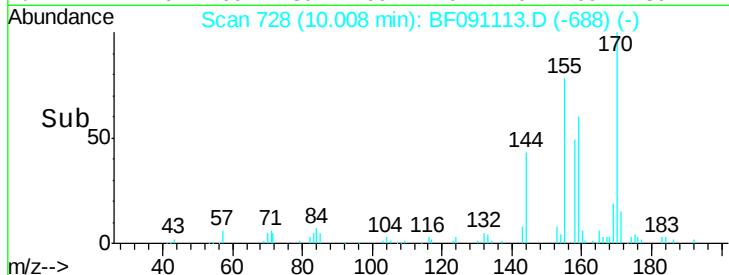
65 107.3 97.1 137.1



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

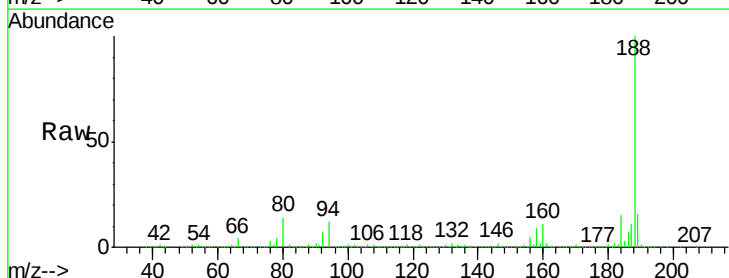
Tgt Ion:188 Resp: 437623

Ion Ratio Lower Upper

188 100

94 12.2 7.0 10.4#

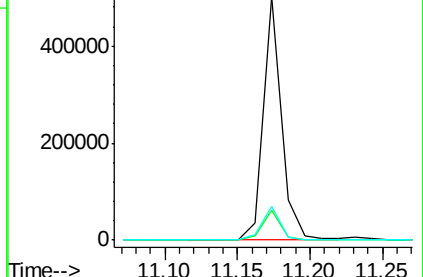
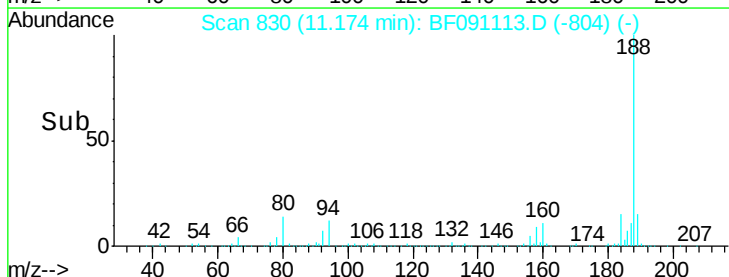
80 13.7 7.5 11.3#

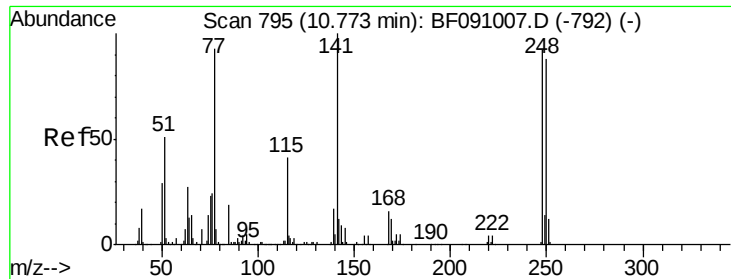


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 6.03 ng

RT: 10.49 min Scan# 770

Delta R.T. -0.24 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

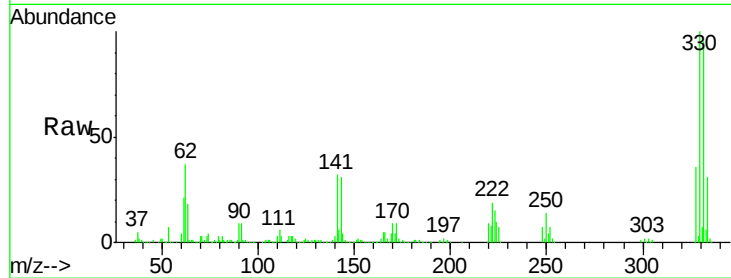
Tgt Ion:248 Resp: 27453

Ion Ratio Lower Upper

248 100

250 198.3 76.3 114.5#

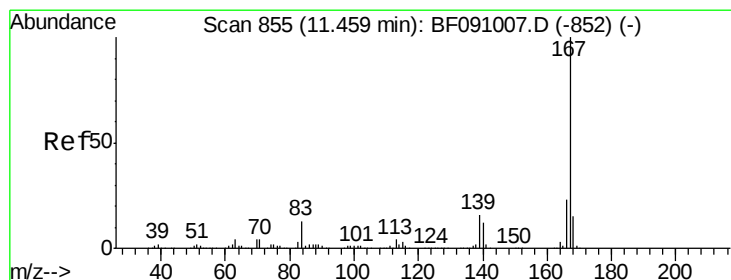
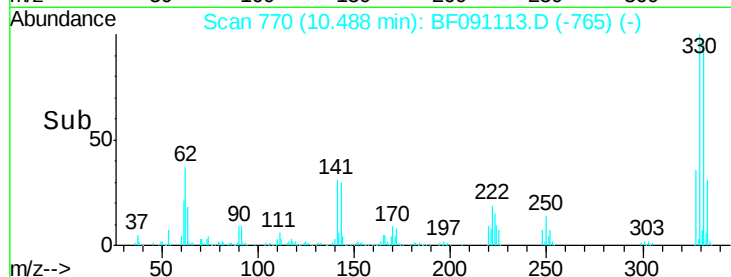
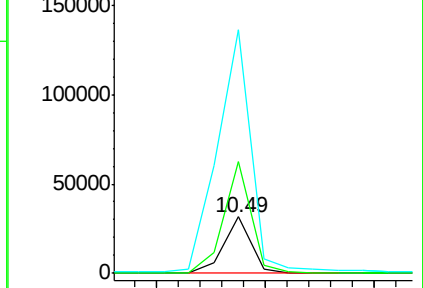
141 432.2 86.8 130.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#72

Carbazole

Concen: 2.39 ng

RT: 11.41 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

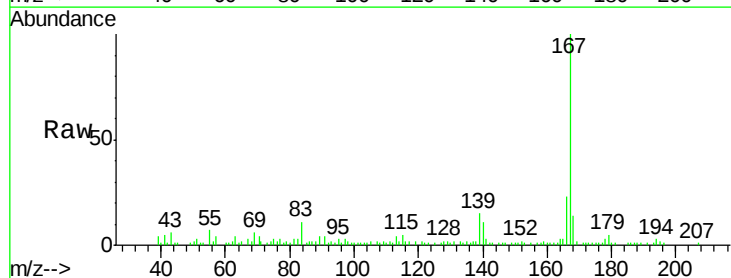
Tgt Ion:167 Resp: 53176

Ion Ratio Lower Upper

167 100

166 22.5 18.0 27.0

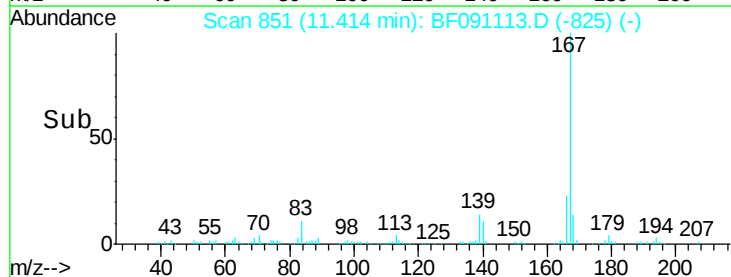
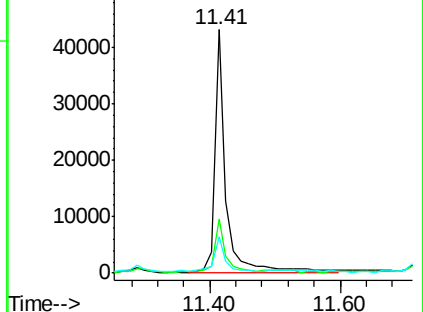
139 14.7 12.6 18.8

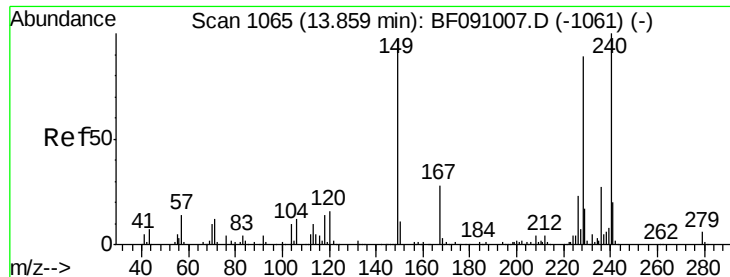


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

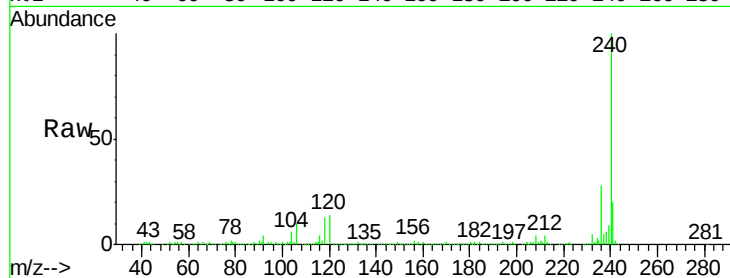
Tgt Ion:240 Resp: 324819

Ion Ratio Lower Upper

240 100

120 14.5 12.9 19.3

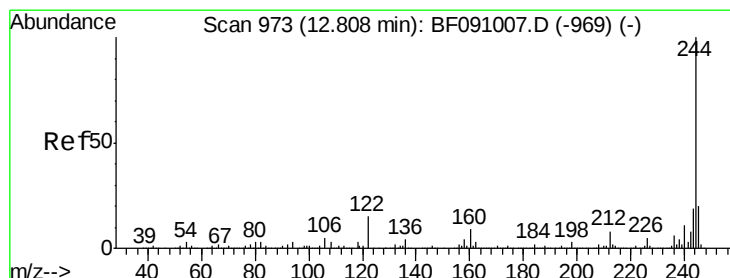
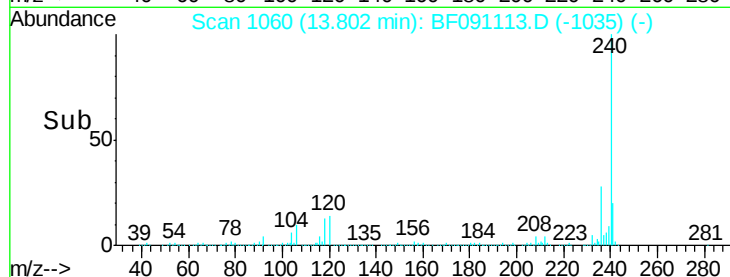
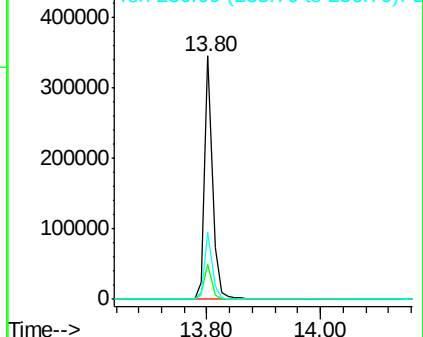
236 27.6 21.9 32.9



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: 105.17 ng

RT: 12.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

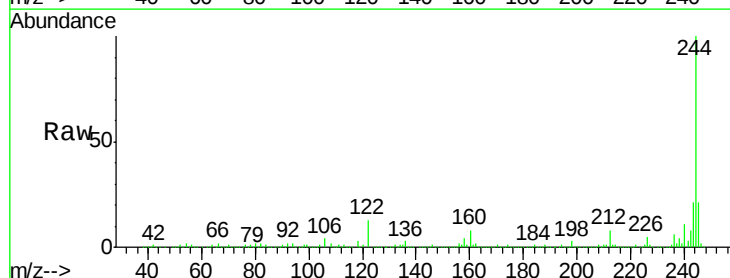
Tgt Ion:244 Resp: 1368973

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

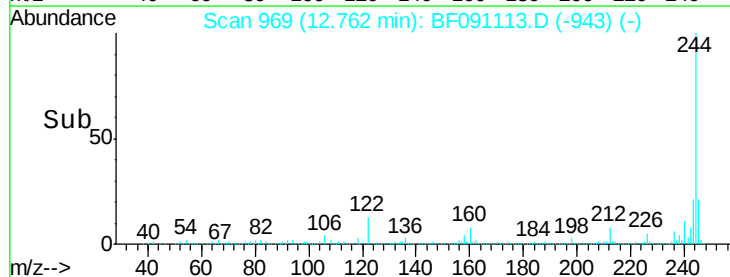
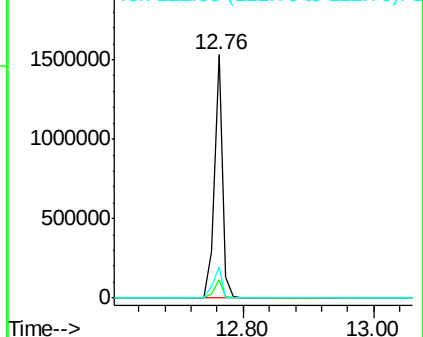
122 13.0 12.3 18.5

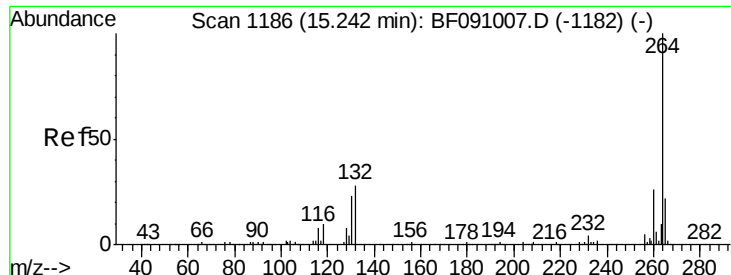


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

Instrument :
BNA_F
ClientSampleId :
ERM33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.6	30.8
265	21.4	17.8	26.8

