

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120916\
 Data File : BF091542.D
 Acq On : 9 Dec 2016 22:11
 Operator : UM/SJ
 Sample : H5886-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-01RE

Quant Time: Dec 09 22:58:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

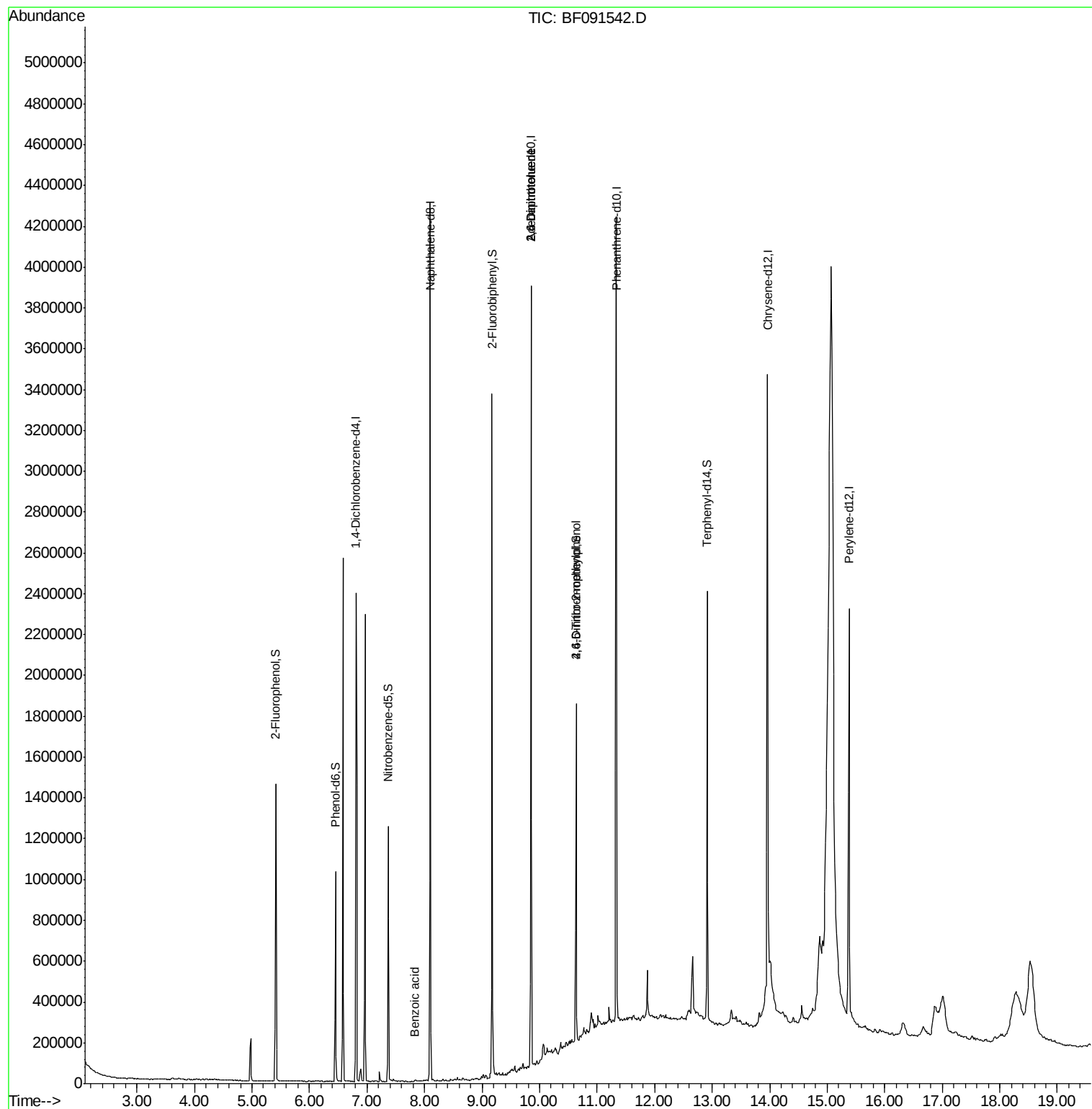
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	445823	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1839024	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	882550	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1448298	20.00	ng	0.00
75) Chrysene-d12	13.96	240	1024996	20.00	ng	0.00
86) Perylene-d12	15.38	264	945600	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	375212	14.18	ng	0.00
7) Phenol-d6	6.45	99	358274	10.86	ng	0.00
23) Nitrobenzene-d5	7.37	82	523793	15.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	190138	25.94	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	955048	18.70	ng	-0.01
78) Terphenyl-d14	12.91	244	687189	15.21	ng	-0.01
Target Compounds						
32) Benzoic acid	7.82	122	258	4.91	ng	Qvalue 94
50) 2,6-Dinitrotoluene	9.85	165	117415	9.57	ng	# 17
56) 2,4-Dinitrotoluene	9.85	165	118007	7.68	ng	# 34
57) Fluorene	10.37	166	1681	Below Cal		# 39
64) 4,6-Dinitro-2-methylphenol	10.64	198	370	2.98	ng	# 1

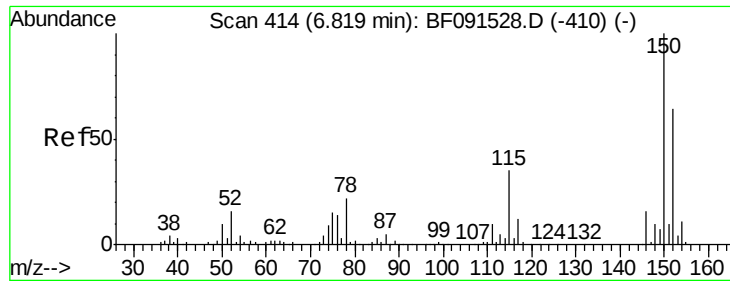
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

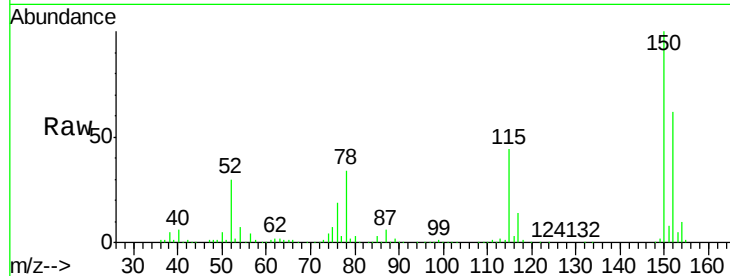
Tgt Ion:152 Resp: 445823

Ion Ratio Lower Upper

152 100

150 161.1 122.5 183.7

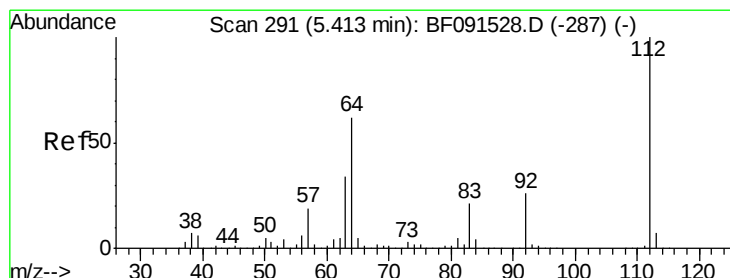
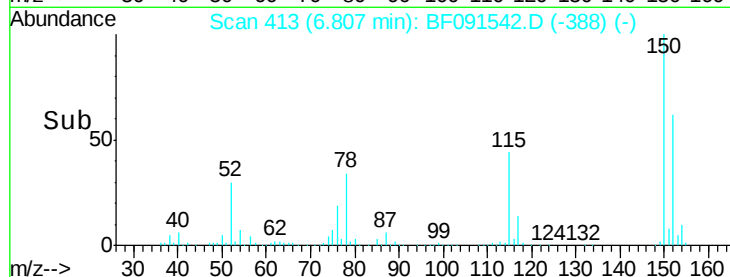
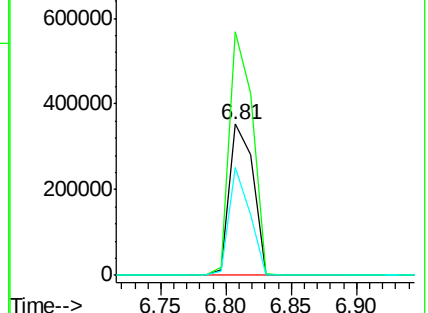
115 71.2 51.8 77.8



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: 14.18 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

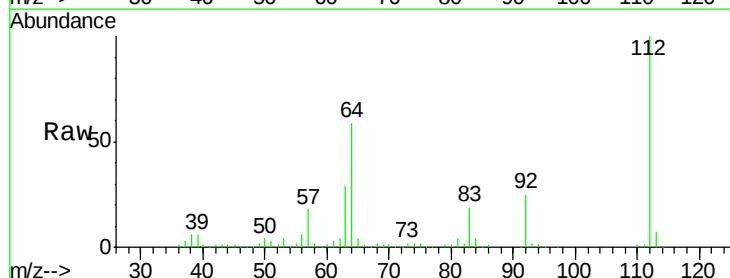
Tgt Ion:112 Resp: 375212

Ion Ratio Lower Upper

112 100

64 59.2 61.5 92.3#

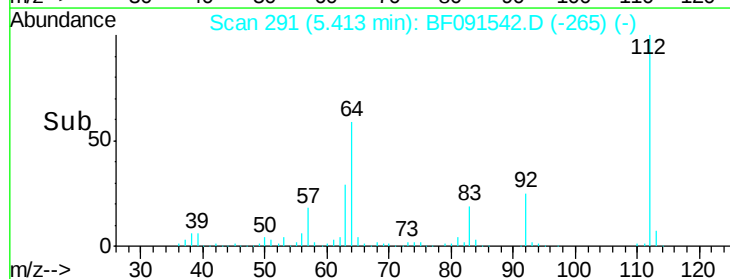
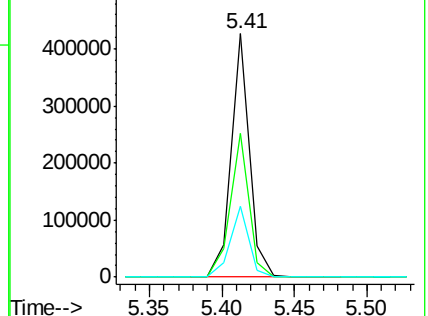
63 29.3 33.3 49.9#

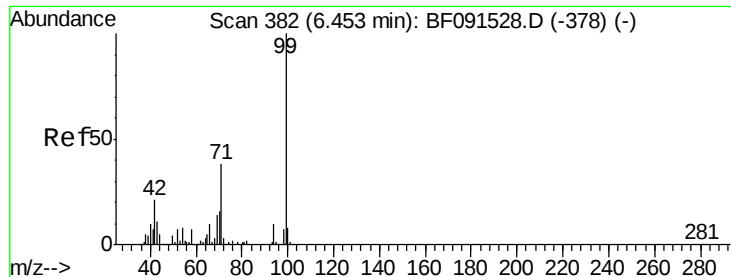


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.86 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

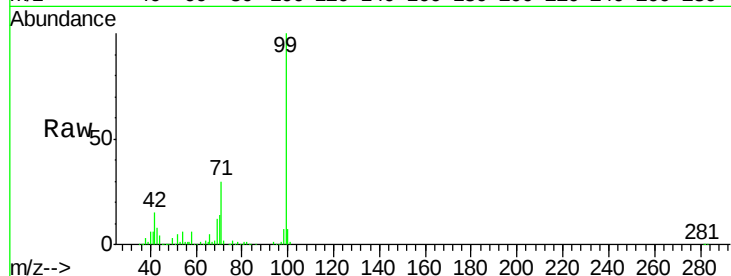
Tgt Ion: 99 Resp: 358274

Ion Ratio Lower Upper

99 100

42 15.4 20.6 31.0#

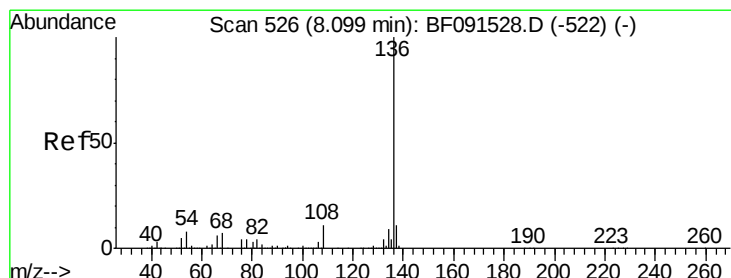
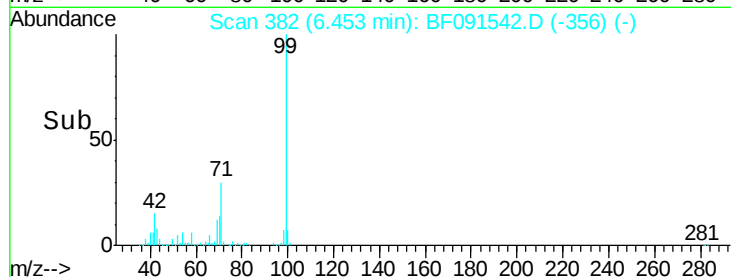
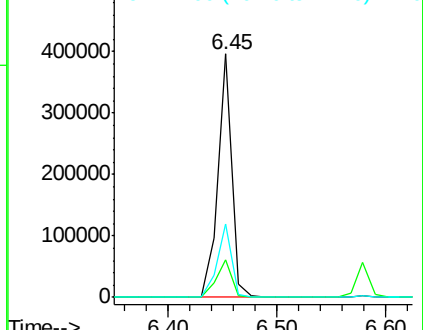
71 30.3 29.9 44.9



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: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Tgt Ion: 136 Resp: 1839024

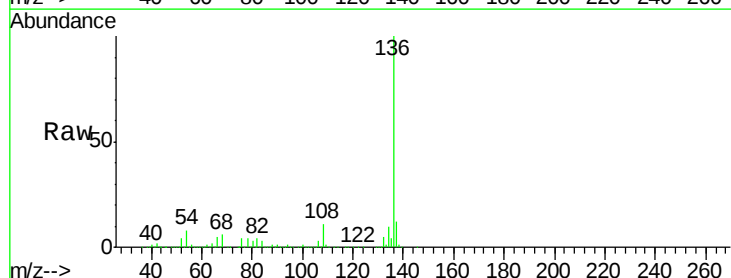
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 8.2 9.1 13.7#

68 6.4 5.9 8.9

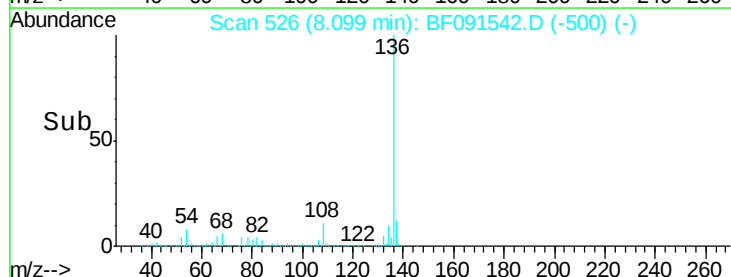
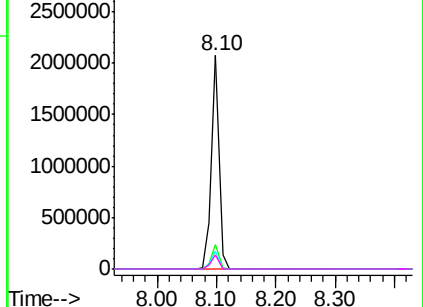


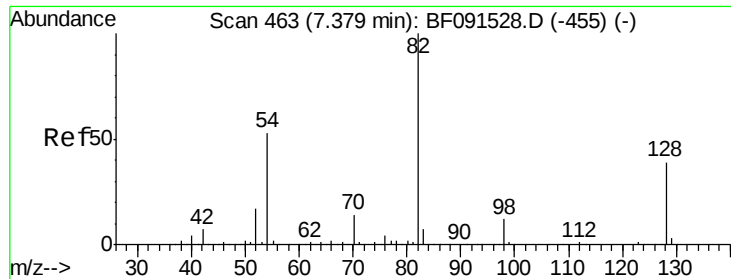
Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.90 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

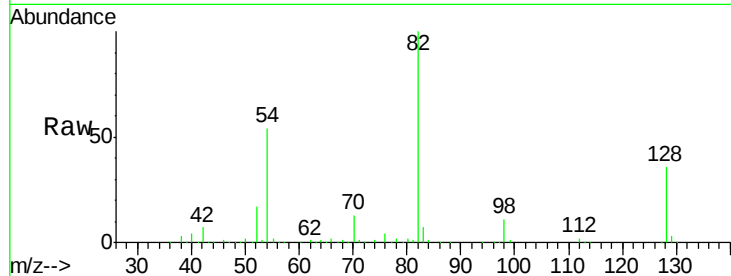
Tgt Ion: 82 Resp: 523793

Ion Ratio Lower Upper

82 100

128 36.0 31.8 47.6

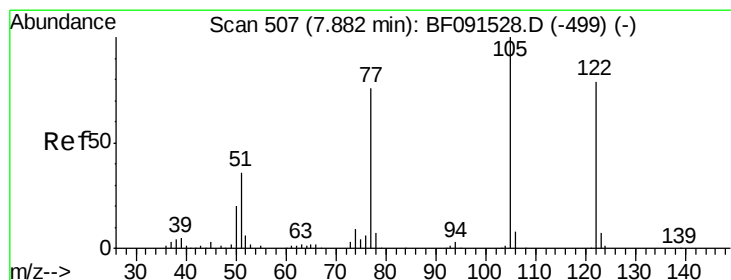
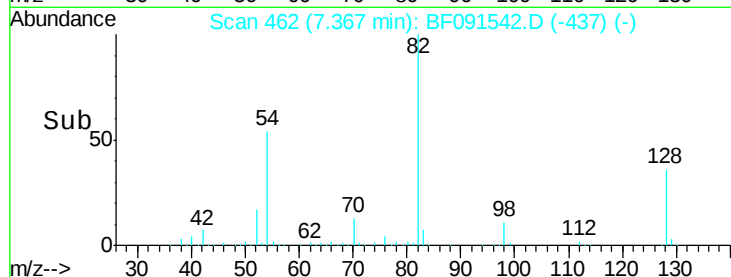
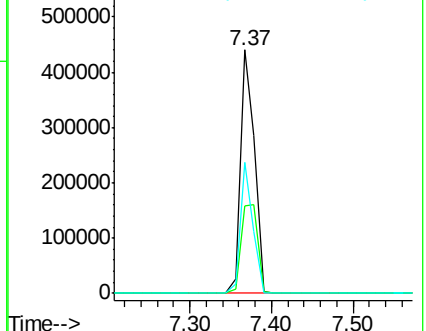
54 53.6 49.1 73.7



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



#32

Benzoic acid

Concen: 4.91 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.06 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

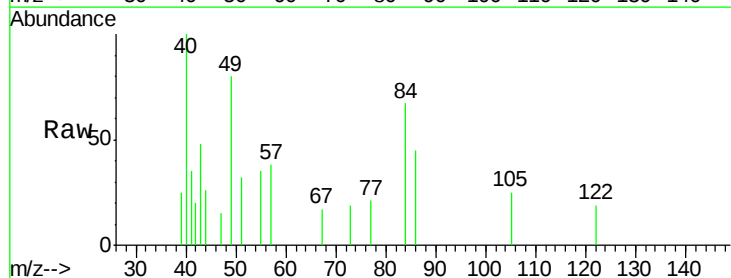
Tgt Ion: 122 Resp: 258

Ion Ratio Lower Upper

122 100

105 131.1 113.0 153.0

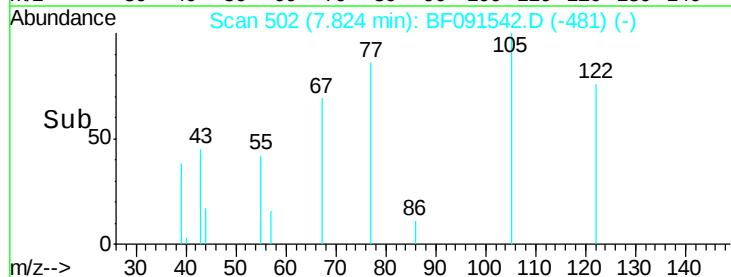
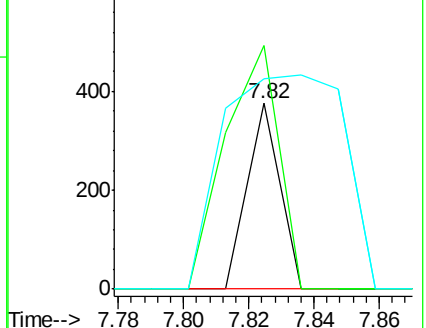
77 113.0 82.0 122.0

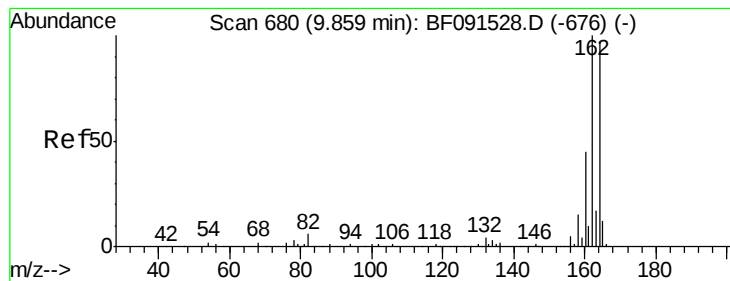


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

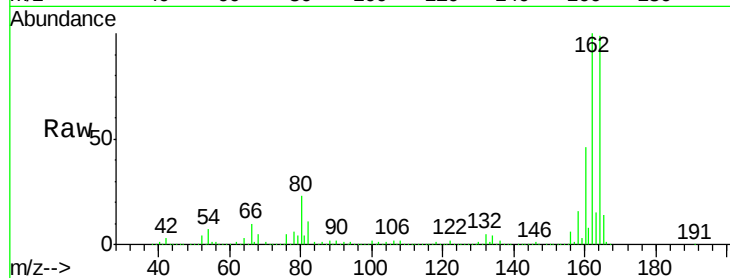
Tgt Ion:164 Resp: 882550

Ion Ratio Lower Upper

164 100

162 101.4 82.6 124.0

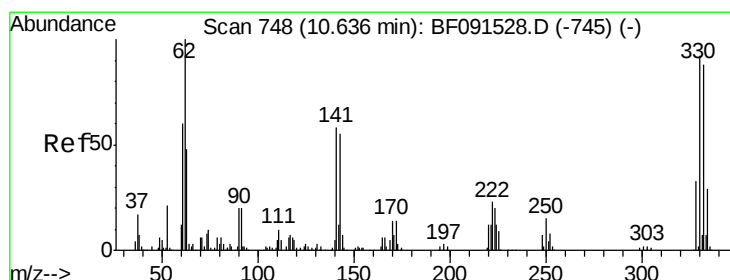
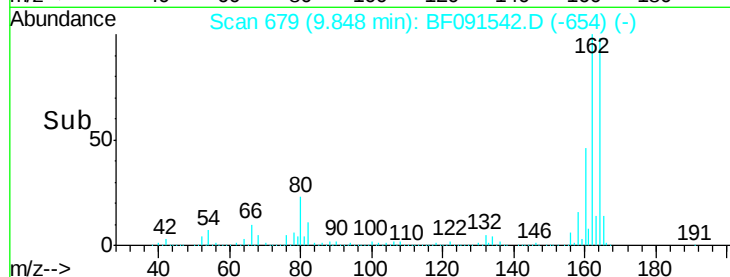
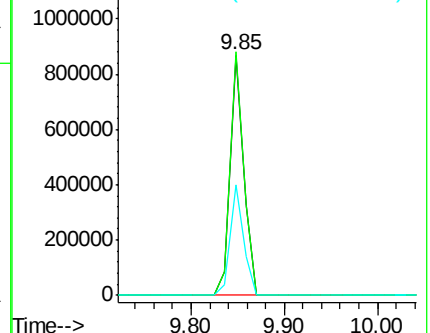
160 46.3 36.7 55.1



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: 25.94 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

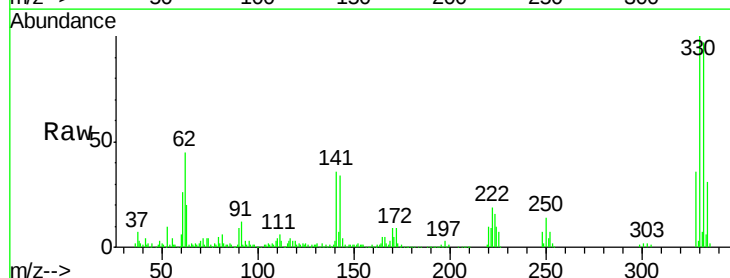
Tgt Ion:330 Resp: 190138

Ion Ratio Lower Upper

330 100

332 96.9 76.2 114.4

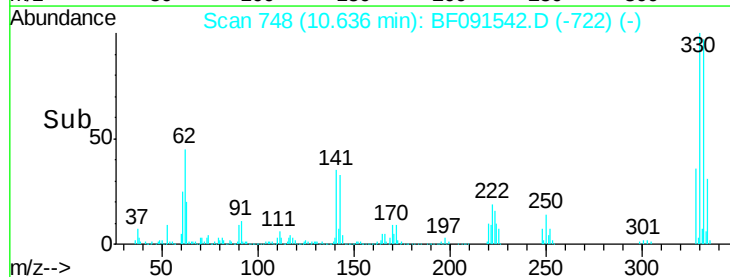
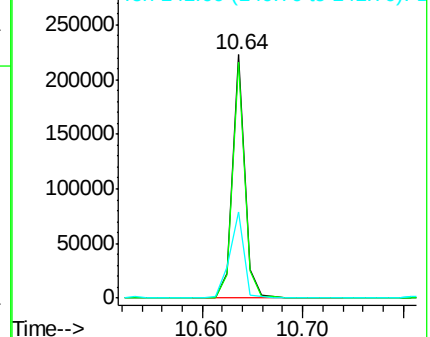
141 40.1 33.6 50.4

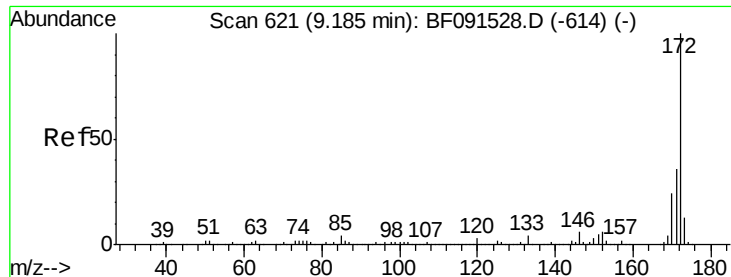


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

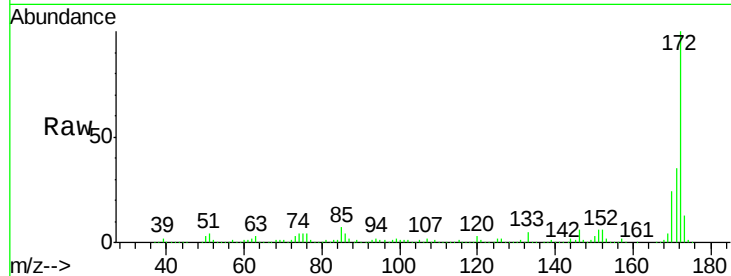




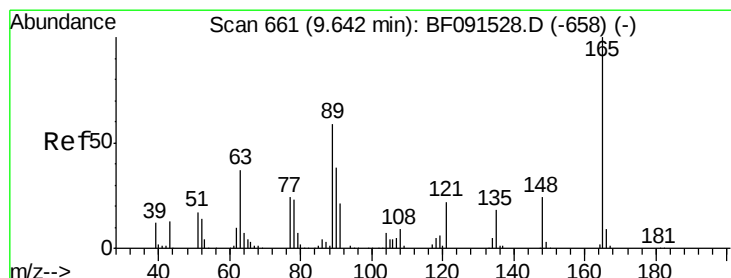
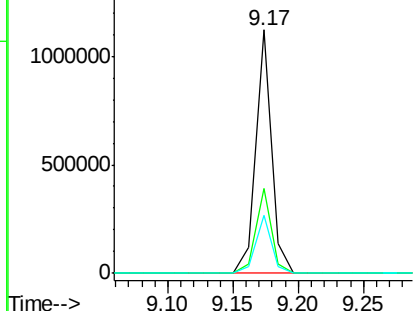
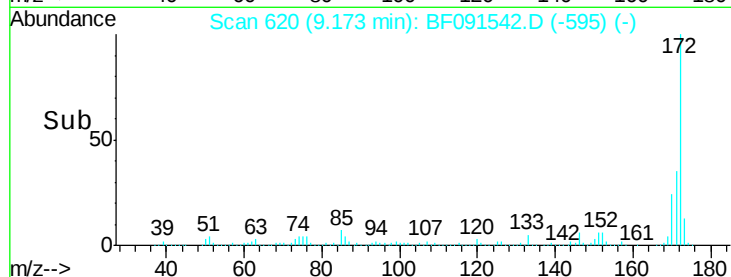
#44
 2-Fluorobiphenyl
 Concen: 18.70 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091542.D
 Acq: 9 Dec 2016 22:11

Instrument :
 BNA_F
 ClientSampled :
 VW-01RE

Tgt Ion:172 Resp: 955048
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.0
 170 24.1 19.7 29.5

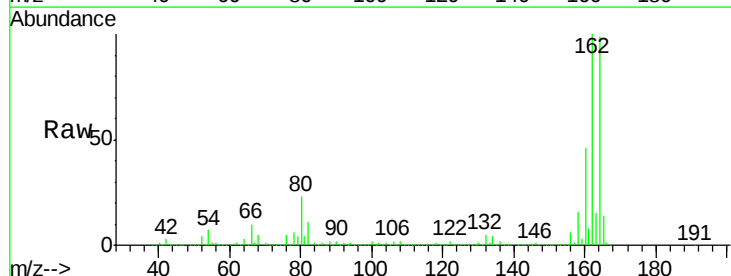


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

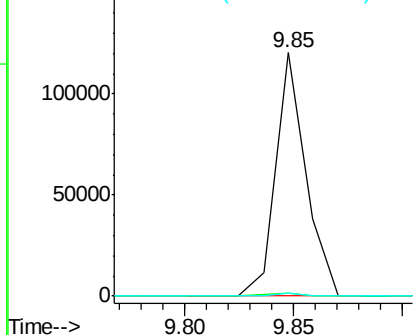
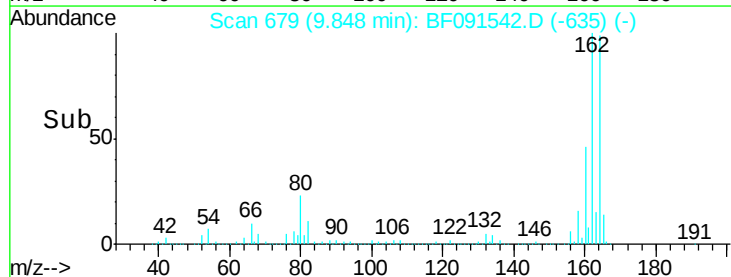


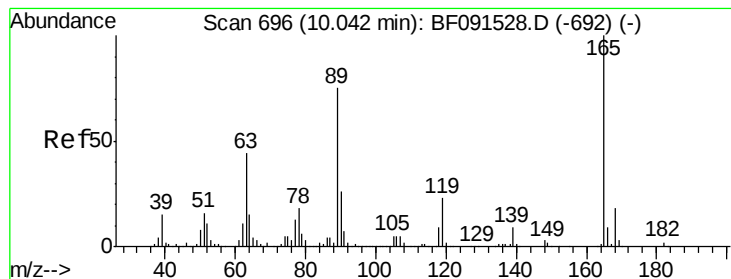
#50
 2,6-Dinitrotoluene
 Concen: 9.57 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091542.D
 Acq: 9 Dec 2016 22:11

Tgt Ion:165 Resp: 117415
 Ion Ratio Lower Upper
 165 100
 63 1.2 59.4 89.0#
 89 1.3 50.8 76.2#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.68 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.19 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

Tgt Ion:165 Resp: 118007

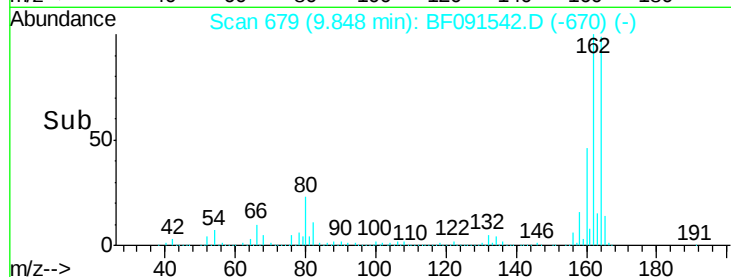
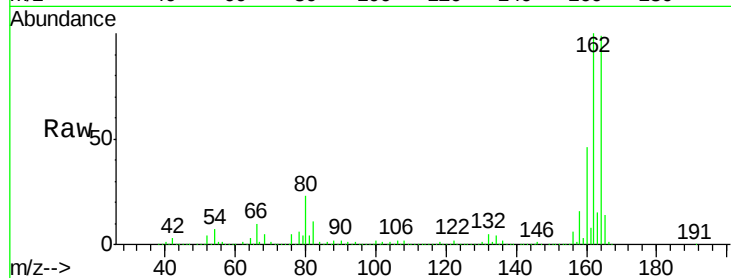
Ion Ratio Lower Upper

165 100

63 1.2 29.0 43.4#

89 1.3 43.1 64.7#

182 0.0 1.9 2.9#

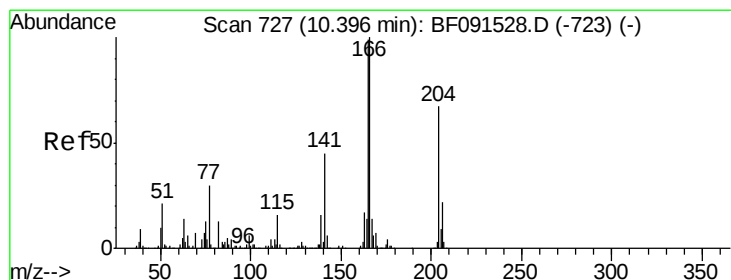
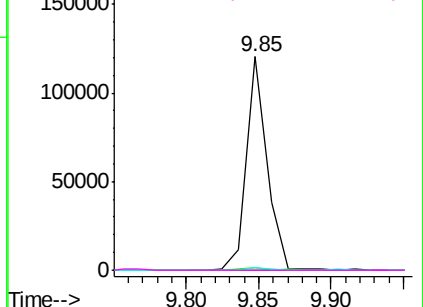


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

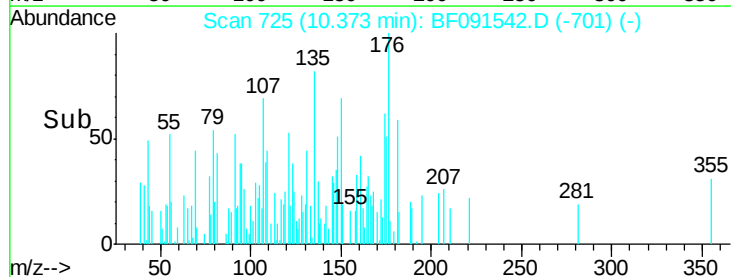
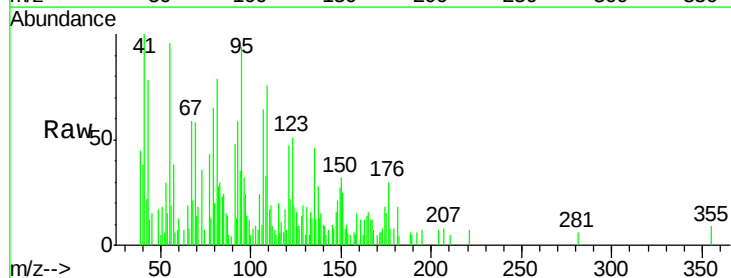
Tgt Ion:166 Resp: 1681

Ion Ratio Lower Upper

166 100

165 139.3 80.0 120.0#

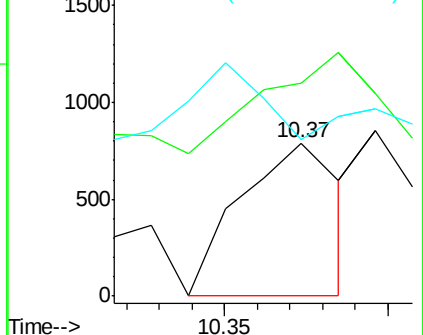
167 102.5 10.8 16.2#

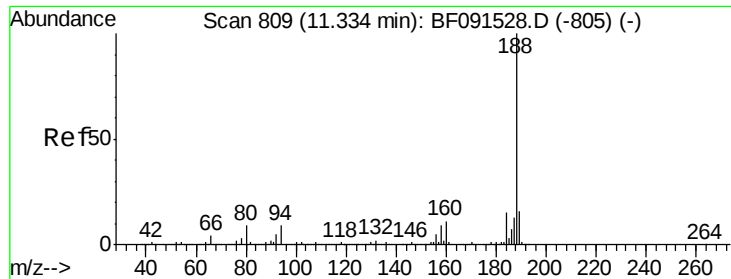


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

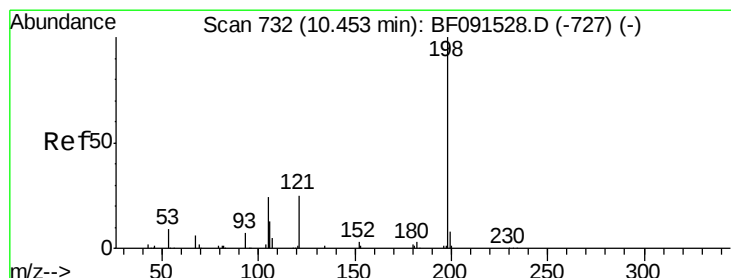
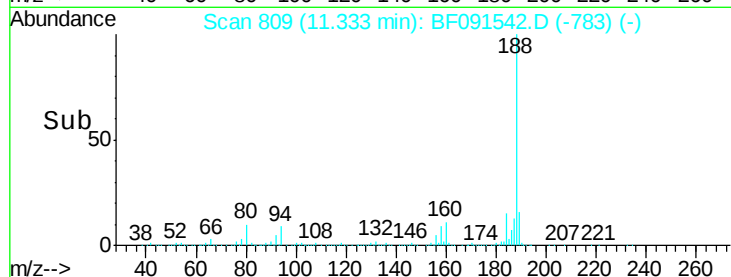
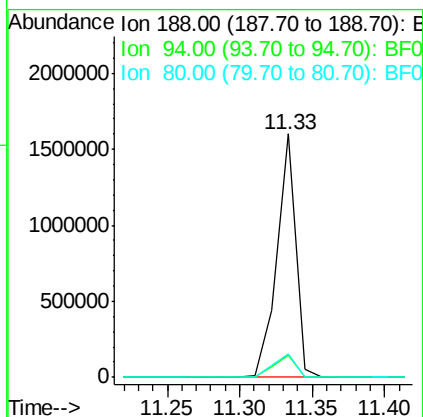
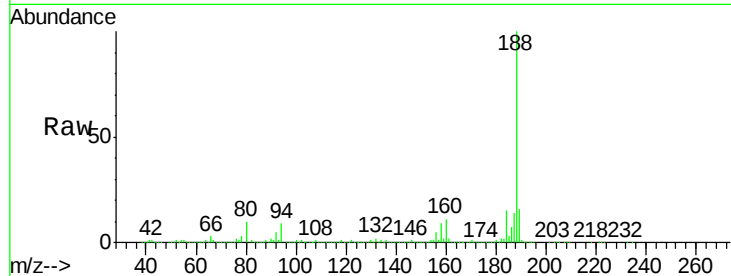




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091542.D
Acq: 9 Dec 2016 22:11

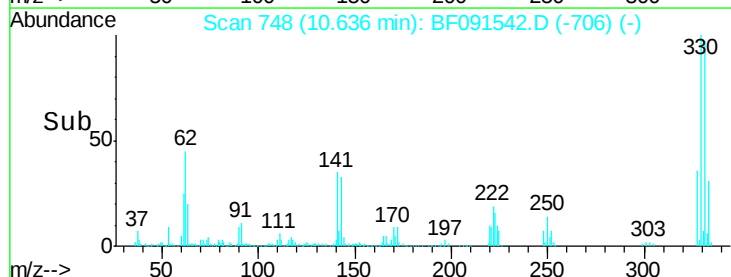
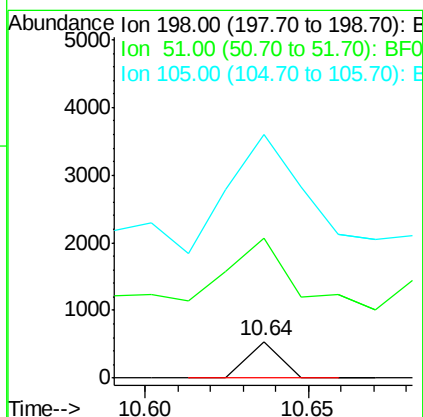
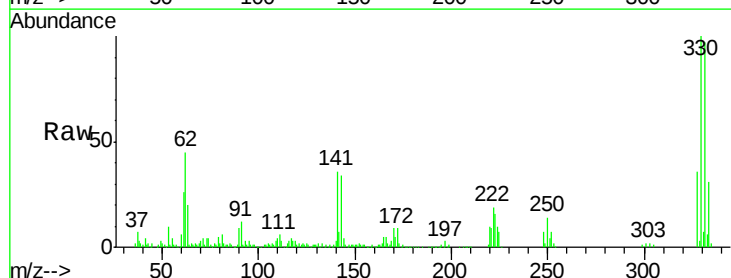
Instrument :
BNA_F
ClientSampleId :
VW-01RE

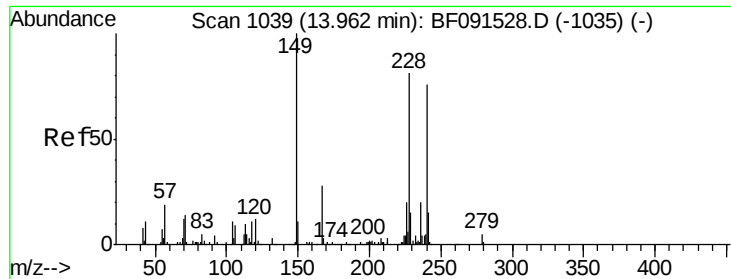
Tgt Ion:188 Resp: 1448298
Ion Ratio Lower Upper
188 100
94 9.4 9.2 13.8
80 9.7 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.98 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.18 min
Lab File: BF091542.D
Acq: 9 Dec 2016 22:11

Tgt Ion:198 Resp: 370
Ion Ratio Lower Upper
198 100
51 382.4 77.1 117.1#
105 666.1 44.8 84.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

Instrument :

BNA_F

ClientSampleId :

VW-01RE

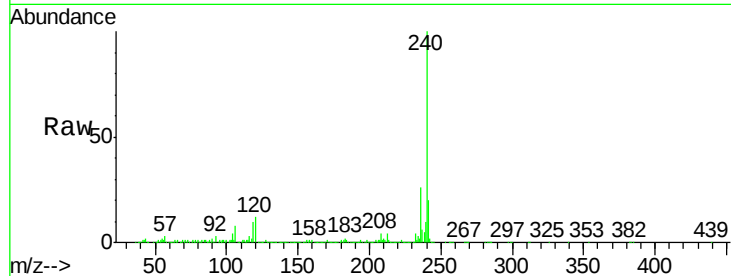
Tgt Ion:240 Resp: 1024996

Ion Ratio Lower Upper

240 100

120 11.6 12.1 18.1#

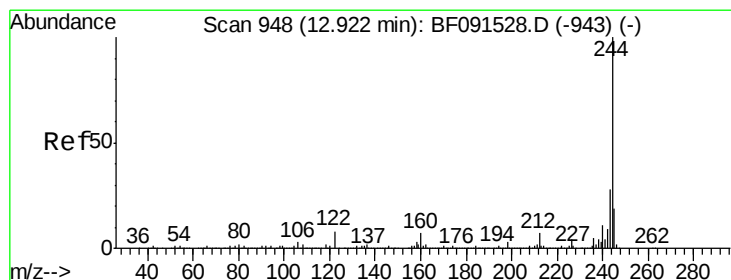
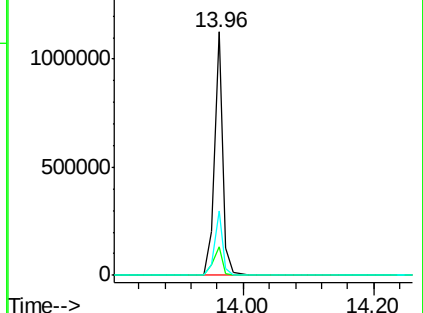
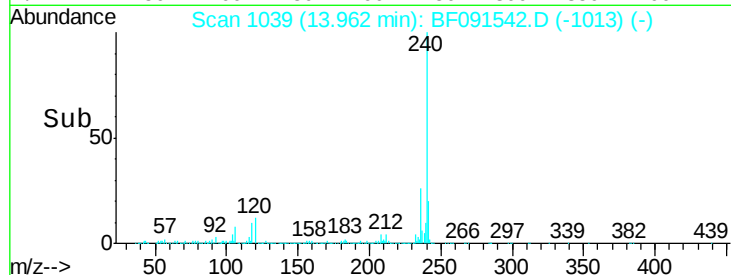
236 26.4 21.0 31.6



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: 15.21 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091542.D

Acq: 9 Dec 2016 22:11

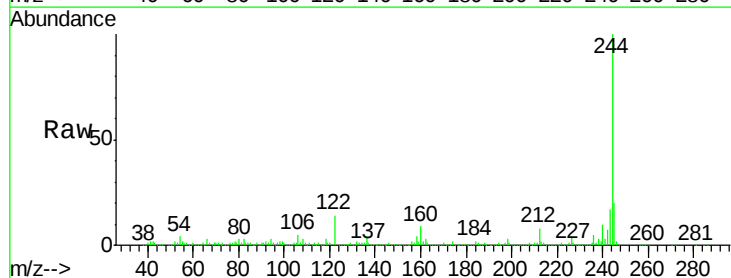
Tgt Ion:244 Resp: 687189

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

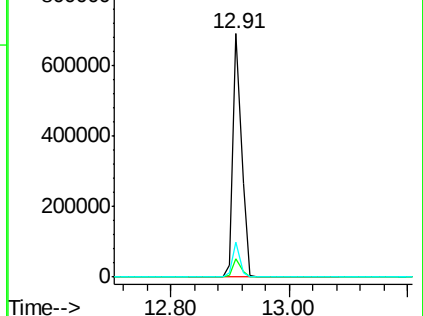
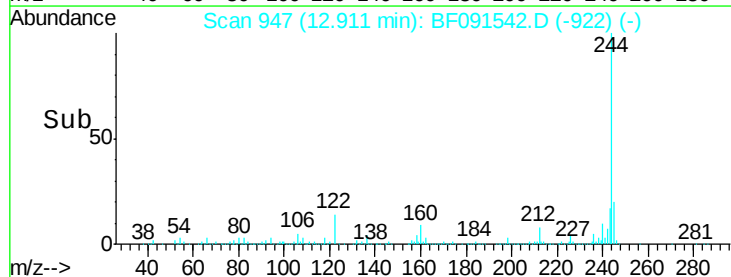
122 14.2 9.5 14.3

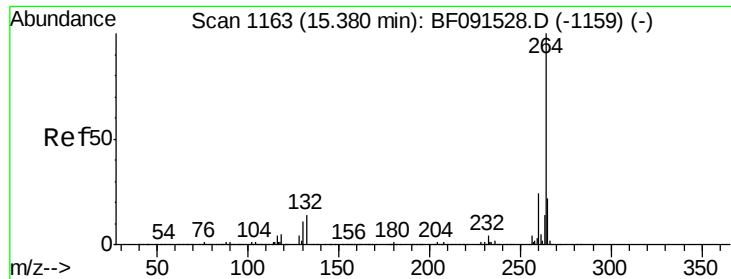


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091542.D
Acq: 9 Dec 2016 22:11

Instrument :
BNA_F
ClientSampleId :
VW-01RE

Tgt Ion: 264 Resp: 945600
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 21.5 17.0 25.6

