

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091656.D
 Acq On : 16 Dec 2016 5:38
 Operator : UM/SJ
 Sample : H6011-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

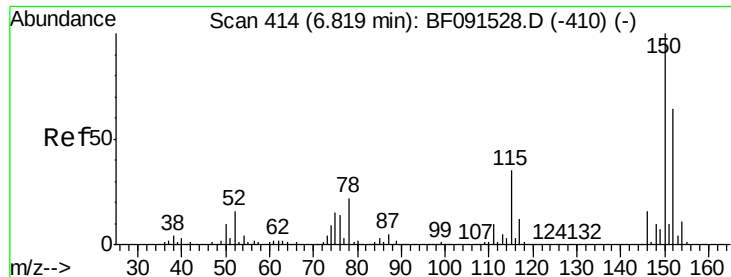
Quant Time: Dec 16 06:03:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	236936	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	753435	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	478901	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	561382	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	535706	20.00	ng	0.00
86) Perylene-d12	15.35	264	434890	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	688143	48.93	ng	0.00
7) Phenol-d6	6.42	99	663973	37.87	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1405534	104.12	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	341537	85.86	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2194974	79.20	ng	0.00
78) Terphenyl-d14	12.89	244	1424386	60.33	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	37303	3.09	ng	93
19) n-Nitroso-di-n-propylamine	7.34	70	185123	16.89	ng	# 67
20) 3+4-Methylphenols	7.42	107	254	Below Cal	#	1
25) Isophorone	7.36	82	1275538	53.15	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	62960	9.46	ng	# 17
56) 2,4-Dinitrotoluene	9.82	165	63011	7.55	ng	# 34
57) Fluorene	10.36	166	2963	Below Cal	#	85
64) 4,6-Dinitro-2-methylphenol	10.61	198	900	3.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	23364	4.06	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091656.D

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MW-12

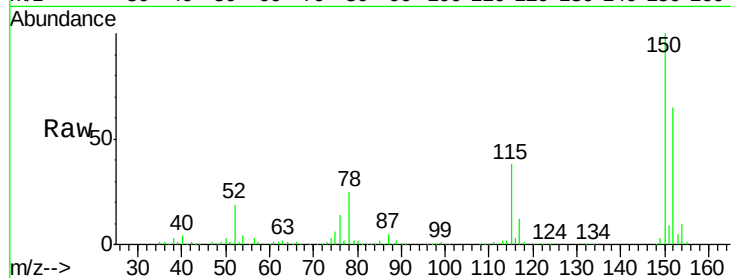
Tgt Ion:152 Resp: 236936

Ion Ratio Lower Upper

152 100

150 154.7 122.5 183.7

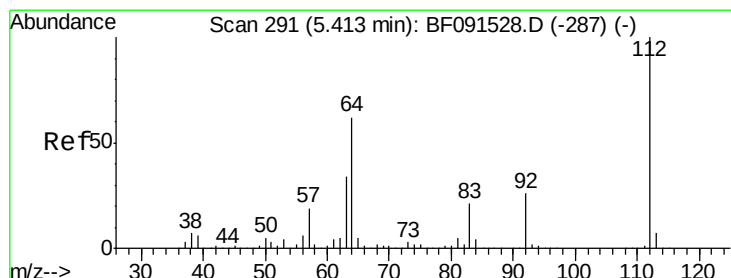
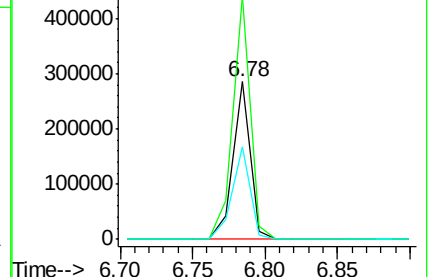
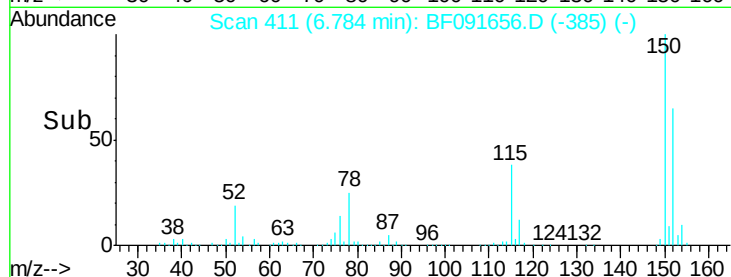
115 59.2 51.8 77.8



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: 48.93 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

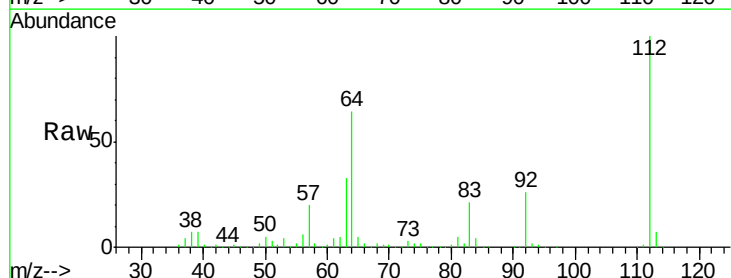
Tgt Ion:112 Resp: 688143

Ion Ratio Lower Upper

112 100

64 63.7 61.5 92.3

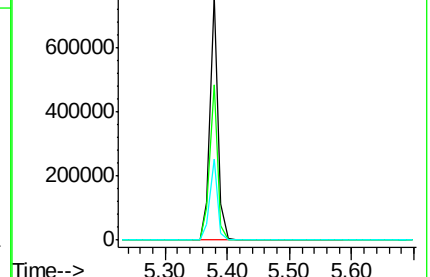
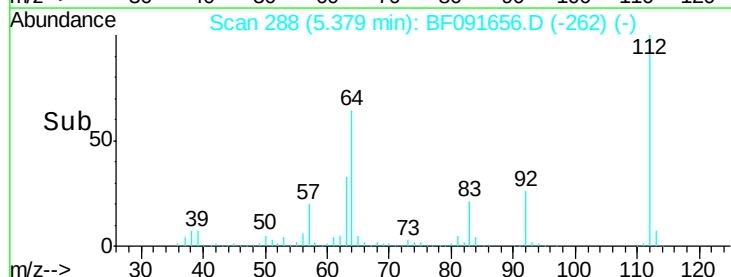
63 33.2 33.3 49.9#

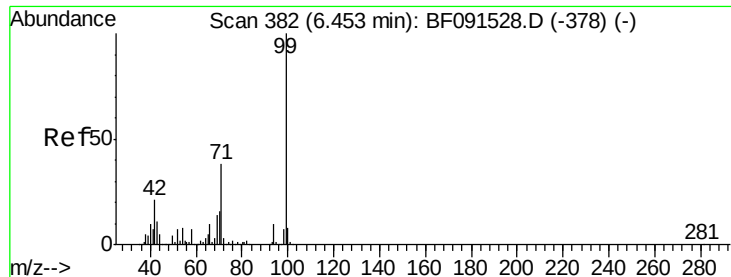


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.87 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

Instrument :

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ClientSampleId :

MW-12

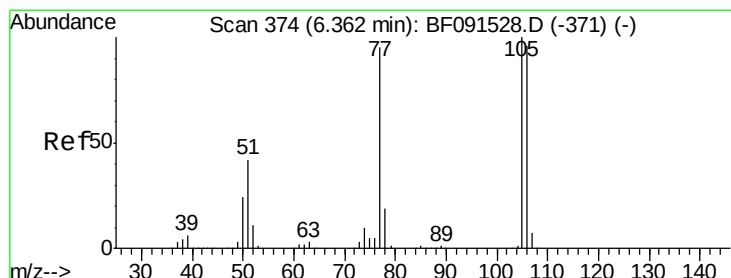
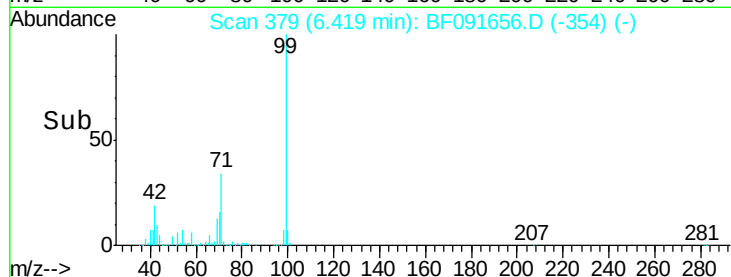
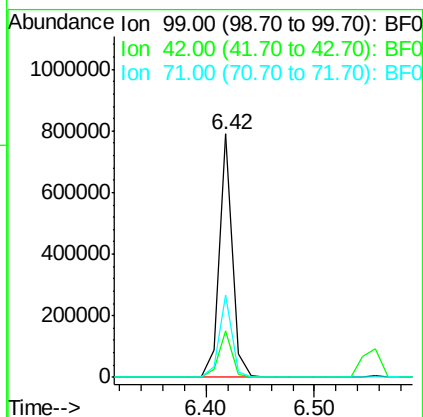
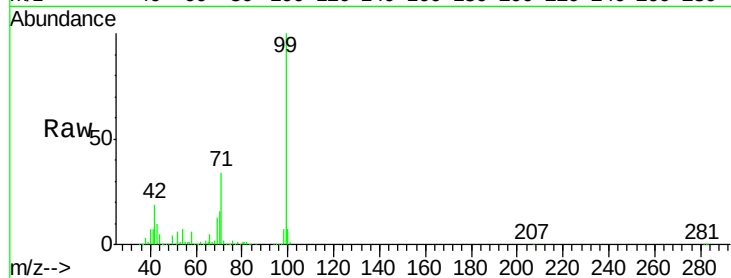
Tgt Ion: 99 Resp: 663973

Ion Ratio Lower Upper

99 100

42 19.2 20.6 31.0#

71 33.9 29.9 44.9



#9

Benzaldehyde

Concen: 3.09 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

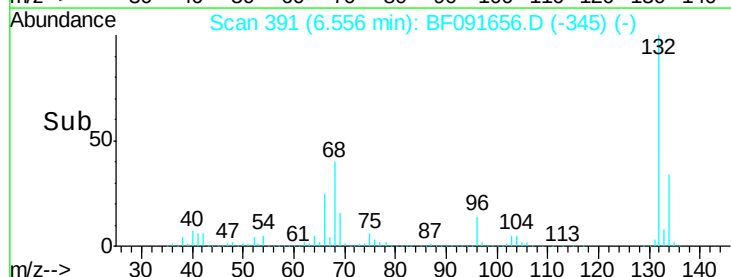
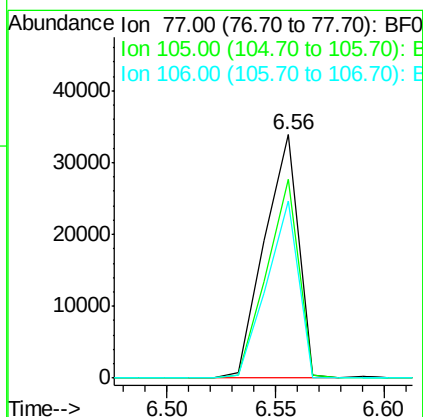
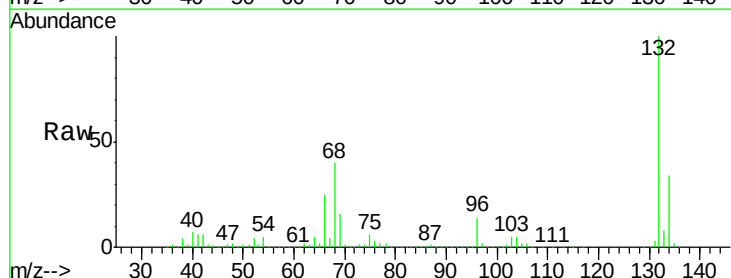
Tgt Ion: 77 Resp: 37303

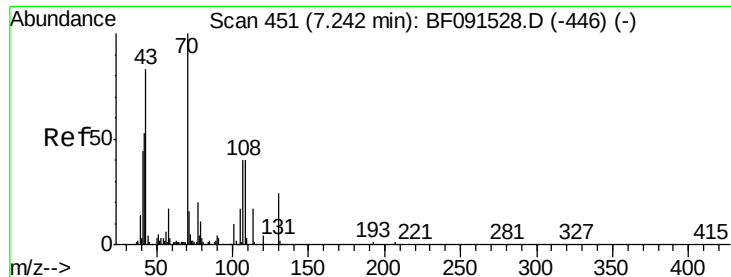
Ion Ratio Lower Upper

77 100

105 81.6 66.4 106.4

106 72.6 60.9 100.9

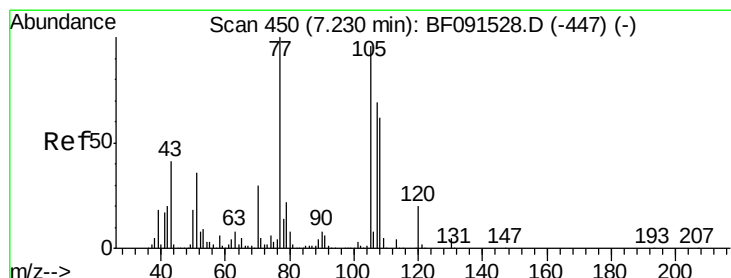
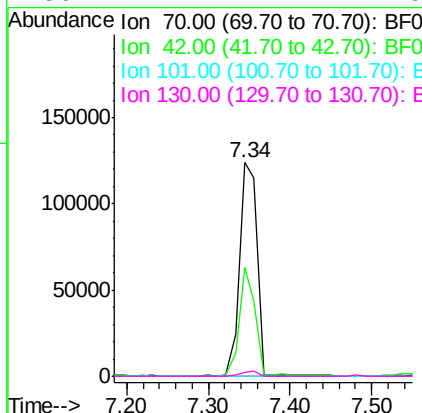
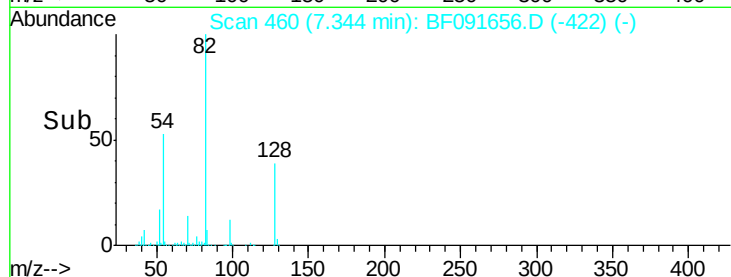
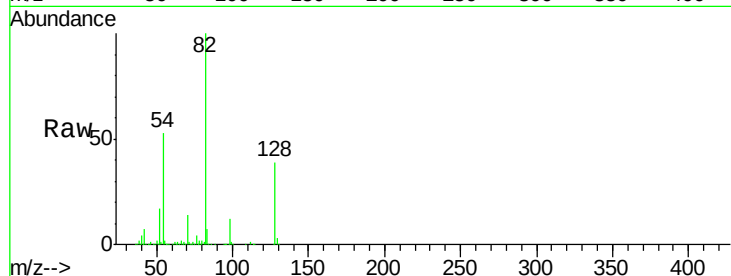




#19
n-Nitroso-di-n-propylamine
Concen: 16.89 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.14 min
Lab File: BF091656.D
Acq: 16 Dec 2016 5:38

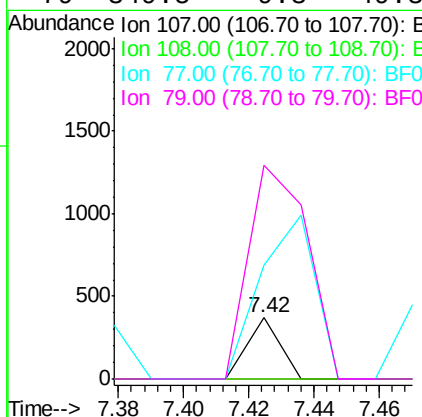
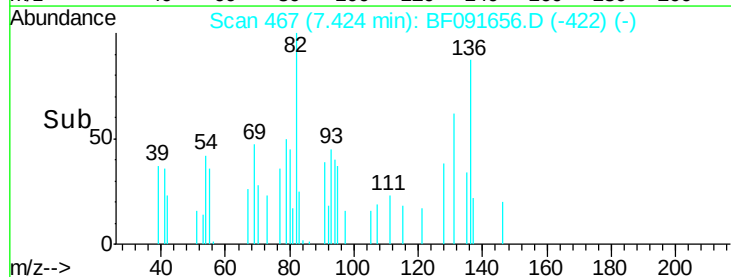
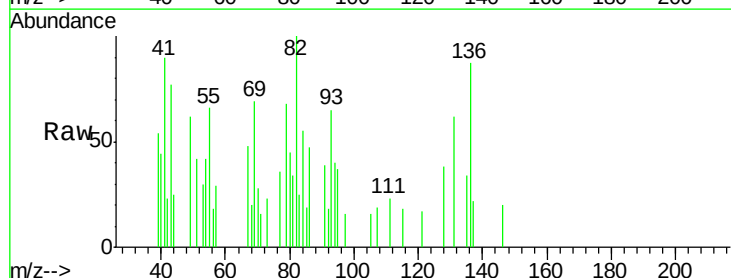
Instrument :
BNA_F
ClientSampleId :
MW-12

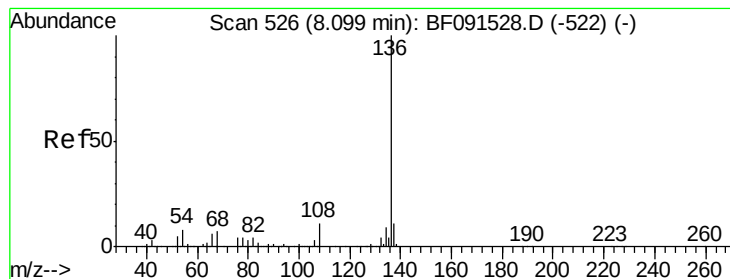
Tgt Ion: 70 Resp: 185123
Ion Ratio Lower Upper
70 100
42 50.8 64.8 97.2#
101 0.0 6.2 9.4#
130 1.7 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.42 min Scan# 467
Delta R.T. 0.22 min
Lab File: BF091656.D
Acq: 16 Dec 2016 5:38

Tgt Ion: 107 Resp: 254
Ion Ratio Lower Upper
107 100
108 0.0 64.6 104.6#
77 186.2 30.9 70.9#
79 349.5 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

Instrument :

BNA_F

ClientSampleId :

MW-12

Tgt Ion: 136 Resp: 753435

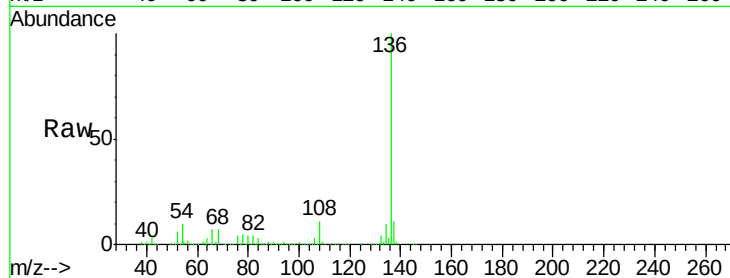
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.4 9.1 13.7

68 7.4 5.9 8.9

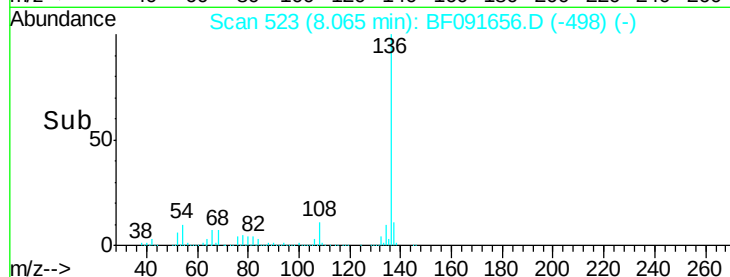


Abundance Ion 136.00 (135.70 to 136.70): E

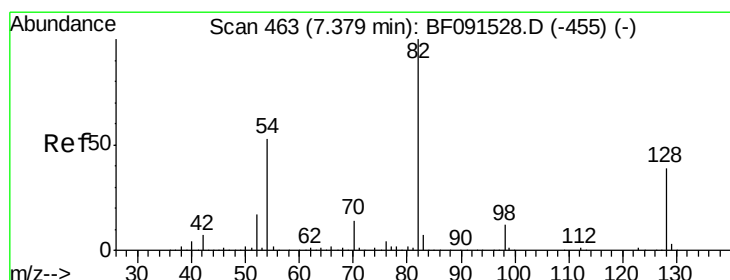
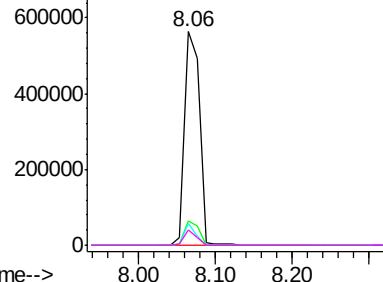
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 104.12 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

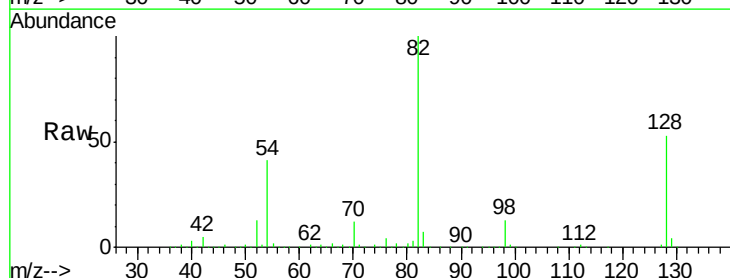
Tgt Ion: 82 Resp: 1405534

Ion Ratio Lower Upper

82 100

128 53.5 31.8 47.6#

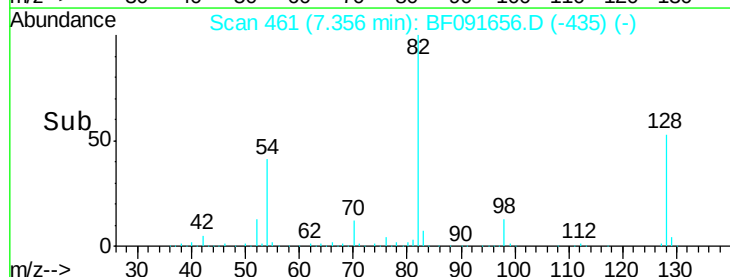
54 41.3 49.1 73.7#



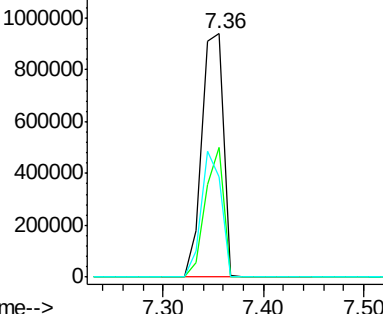
Abundance Ion 82.00 (81.70 to 82.70): BF0

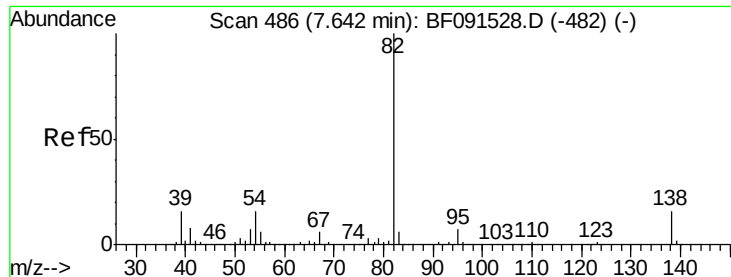
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 53.15 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

Instrument :

BNA_F

ClientSampleId :

MW-12

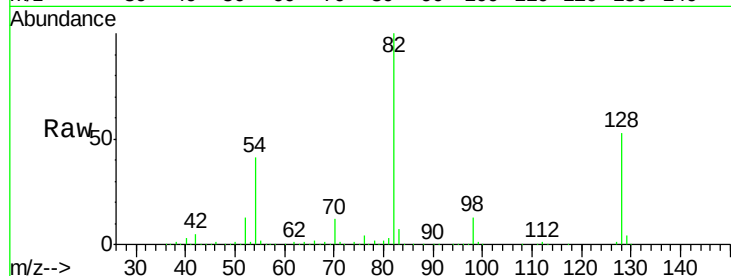
Tgt Ion: 82 Resp: 127538

Ion Ratio Lower Upper

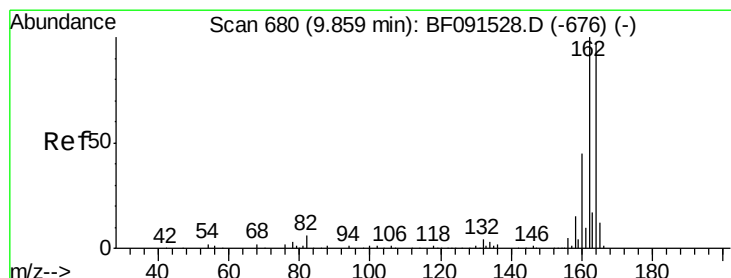
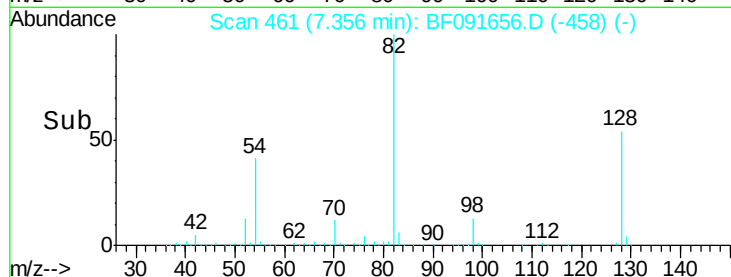
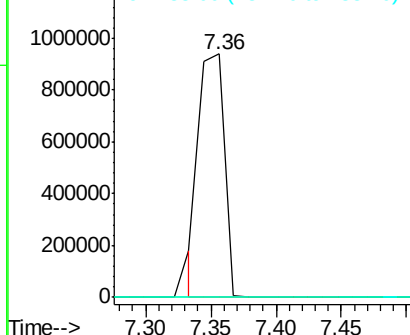
82 100

95 0.1 5.7 8.5#

138 0.0 13.4 20.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

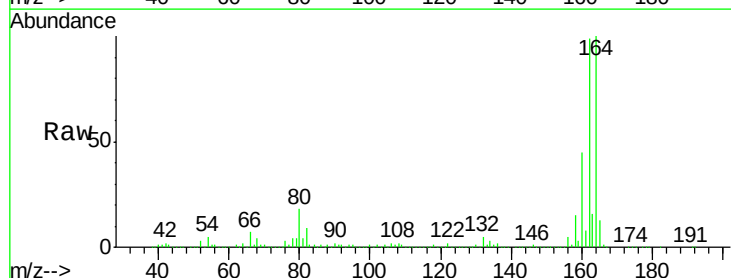
Tgt Ion: 164 Resp: 478901

Ion Ratio Lower Upper

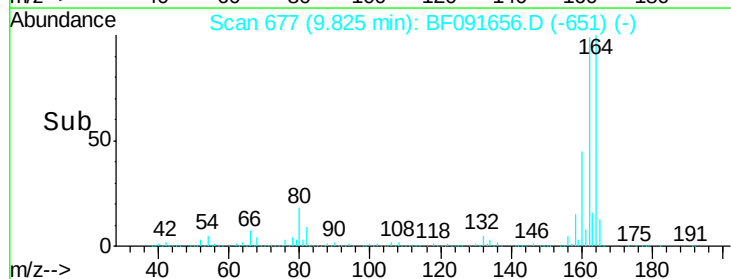
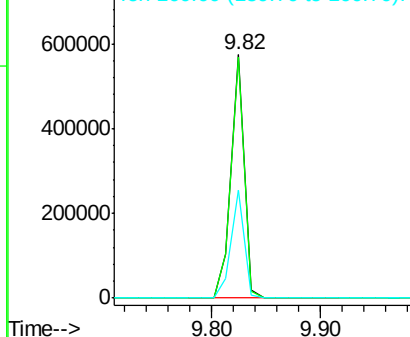
164 100

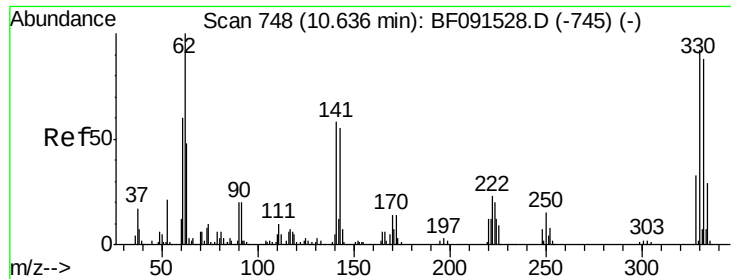
162 99.0 82.6 124.0

160 44.5 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

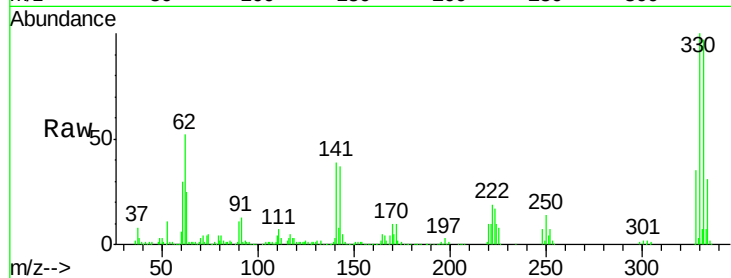




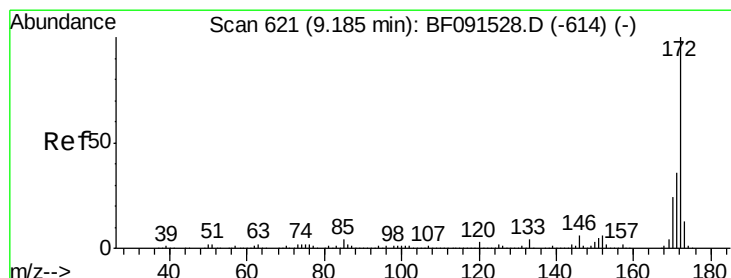
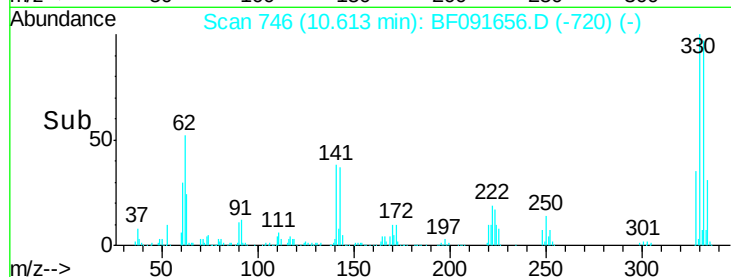
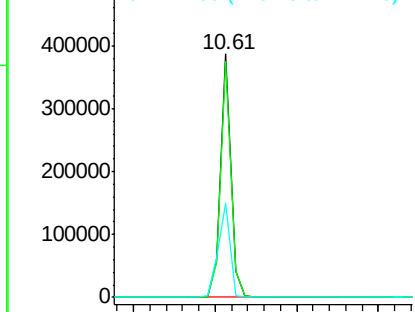
#41
 2,4,6-Tribromophenol
 Concen: 85.86 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

Instrument :
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 MW-12

Tgt Ion: 330 Resp: 341537
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 44.4 33.6 50.4

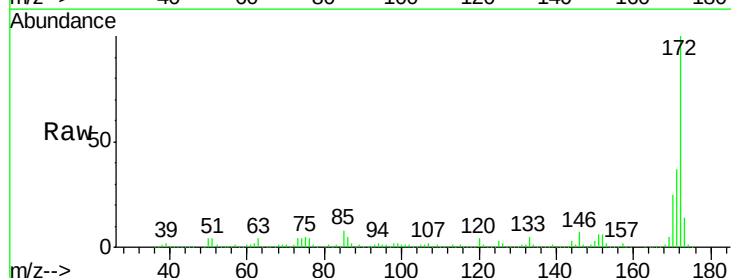


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

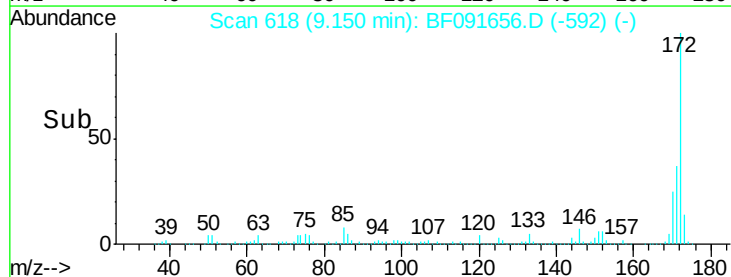
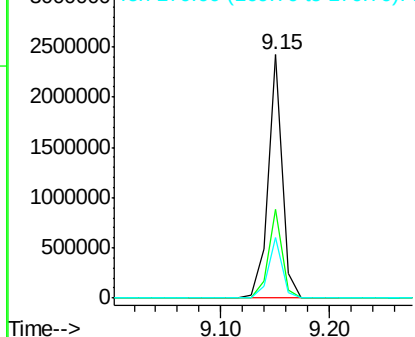


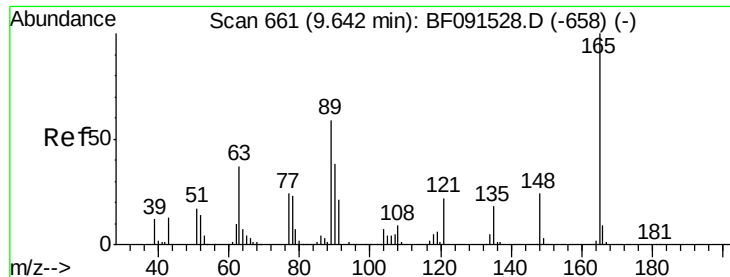
#44
 2-Fluorobiphenyl
 Concen: 79.20 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

Tgt Ion: 172 Resp: 2194974
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 25.0 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

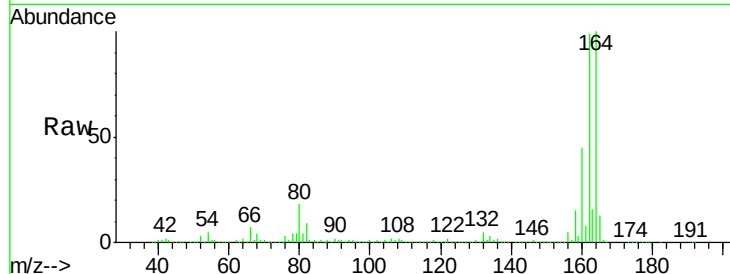




#50
 2,6-Dinitrotoluene
 Concen: 9.46 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

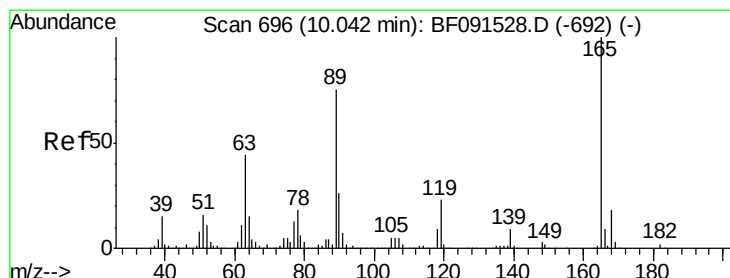
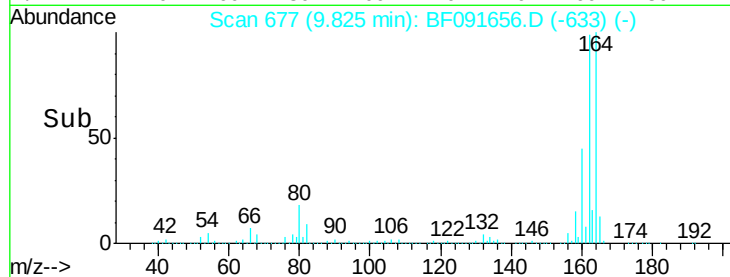
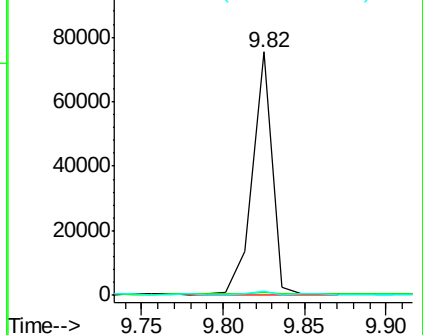
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	59.4	89.0#
89	1.5	50.8	76.2#



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: 7.55 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.19 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

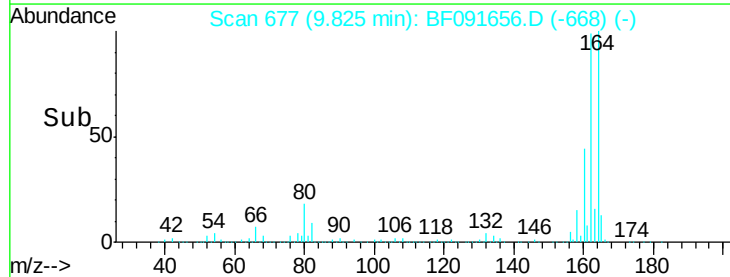
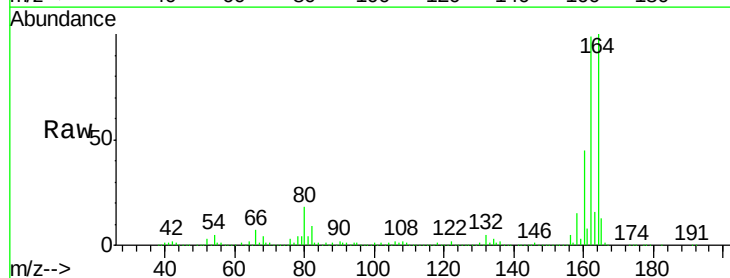
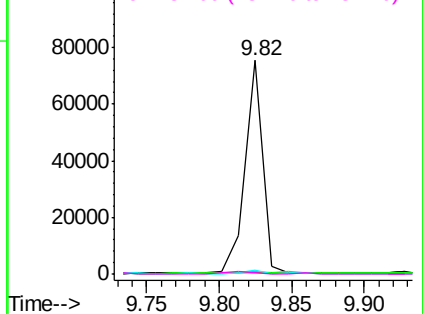
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.0	43.4#
89	1.5	43.1	64.7#
182	0.5	1.9	2.9#

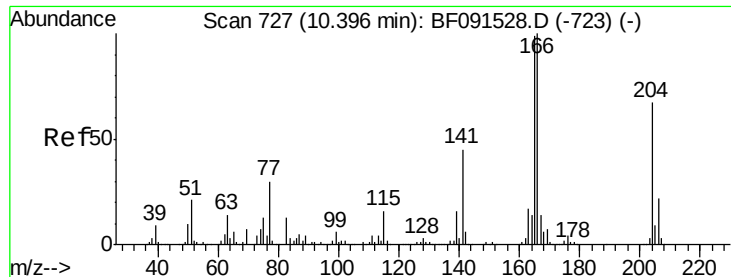
Abundance Ion 165.00 (164.70 to 165.70): E

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

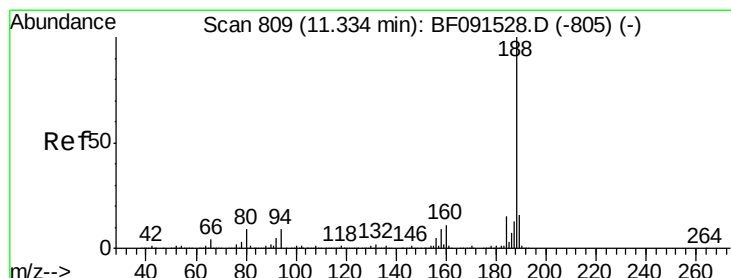
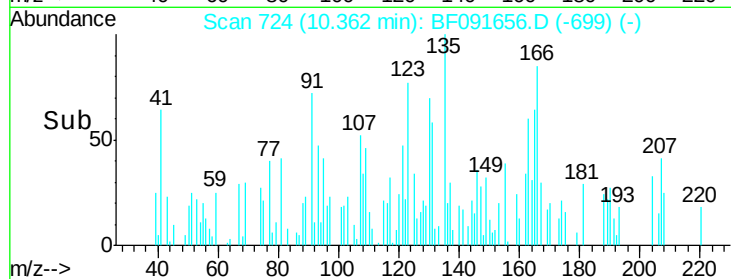
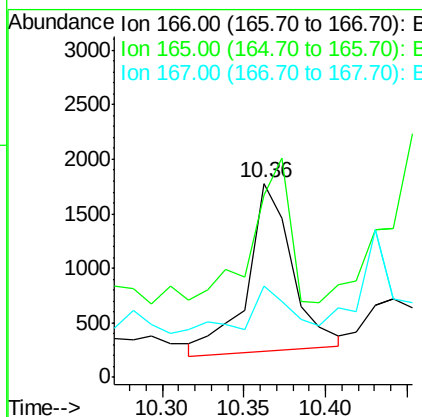
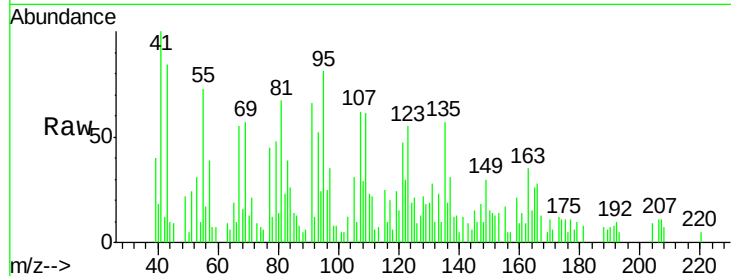




#57
Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

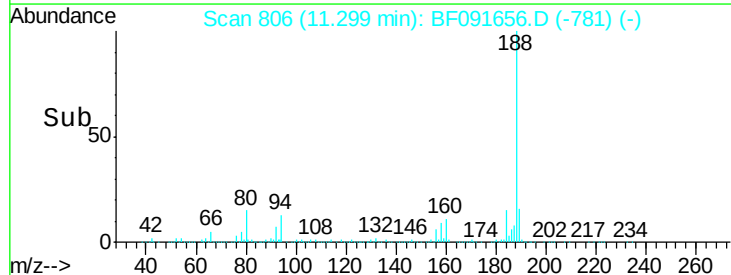
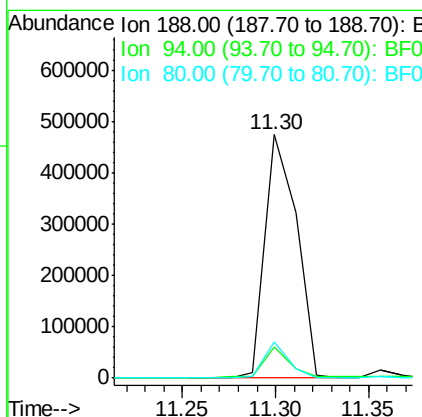
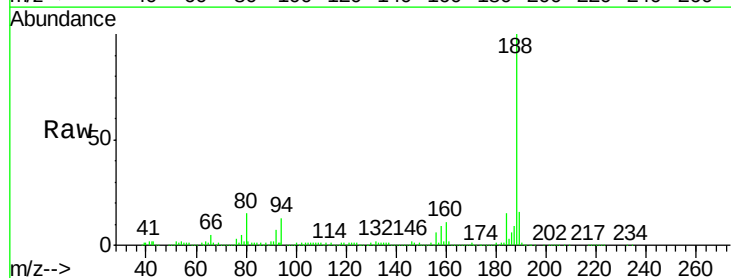
Instrument :
 BNA_F
 ClientSampled :
 MW-12

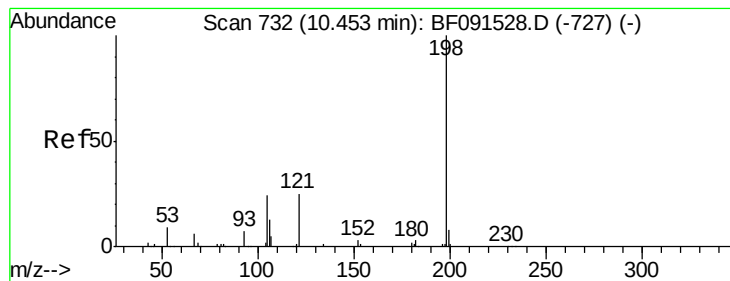
Tgt Ion:166 Resp: 2963
 Ion Ratio Lower Upper
 166 100
 165 93.9 80.0 120.0
 167 46.9 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF091656.D
 Acq: 16 Dec 2016 5:38

Tgt Ion:188 Resp: 561382
 Ion Ratio Lower Upper
 188 100
 94 13.0 9.2 13.8
 80 14.8 10.5 15.7





#64

4,6-Dinitro-2-methylphenol

Concen: 3.19 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.18 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

Instrument :

BNA_F

ClientSampleId :

MW-12

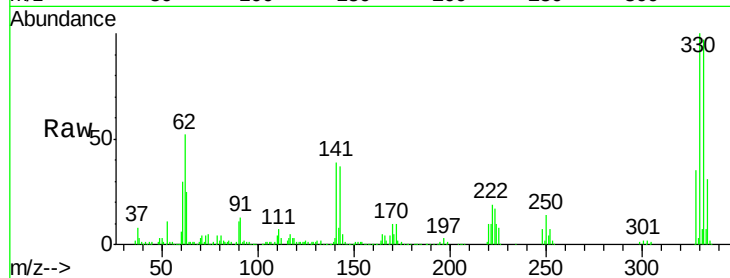
Tgt Ion:198 Resp: 900

Ion Ratio Lower Upper

198 100

51 243.2 77.1 117.1#

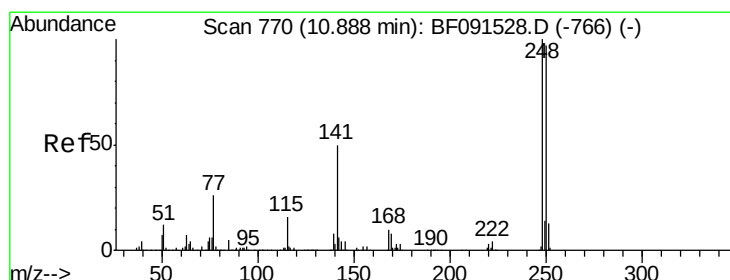
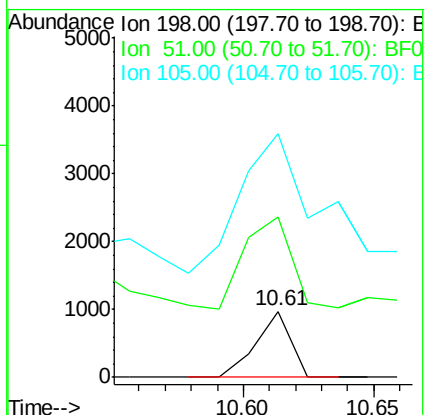
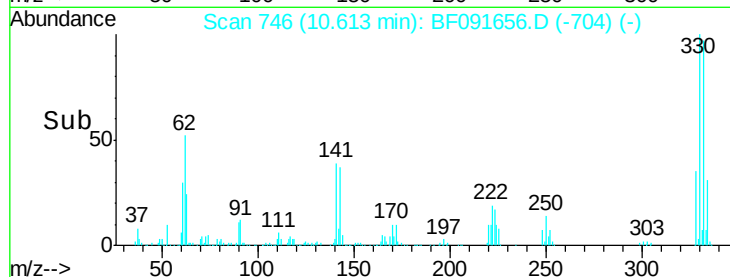
105 368.6 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.06 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

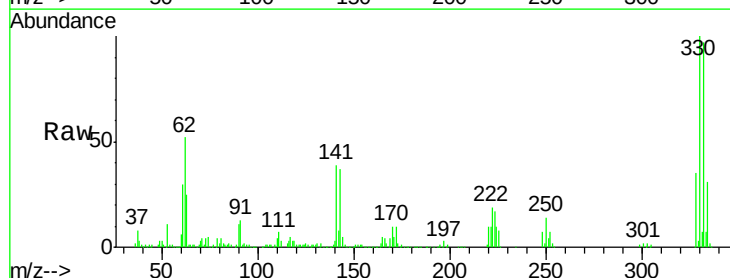
Tgt Ion:248 Resp: 23364

Ion Ratio Lower Upper

248 100

250 204.1 78.2 117.4#

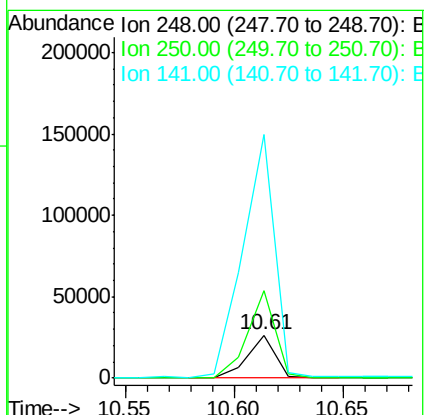
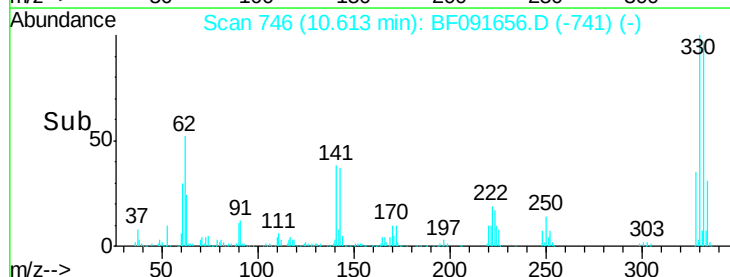
141 570.5 71.9 107.9#

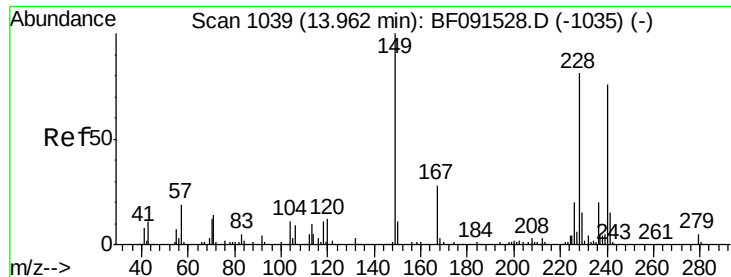


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

Instrument :

BNA_F

ClientSampleId :

MW-12

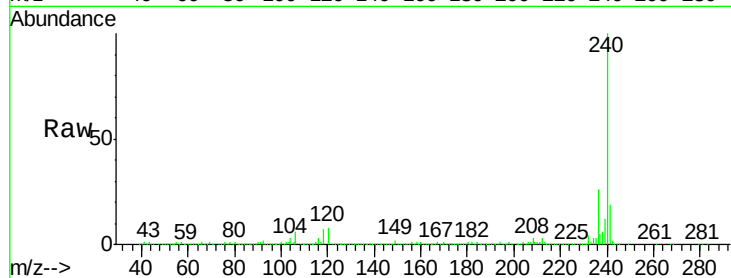
Tgt Ion:240 Resp: 535706

Ion Ratio Lower Upper

240 100

120 8.2 12.1 18.1#

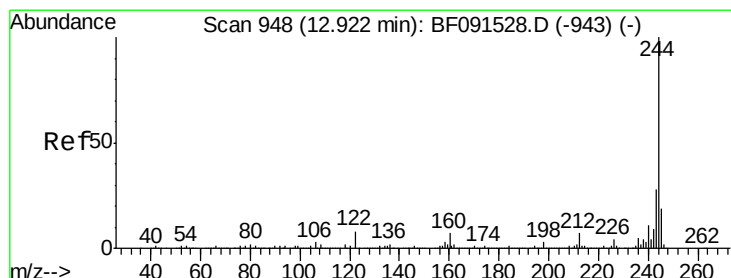
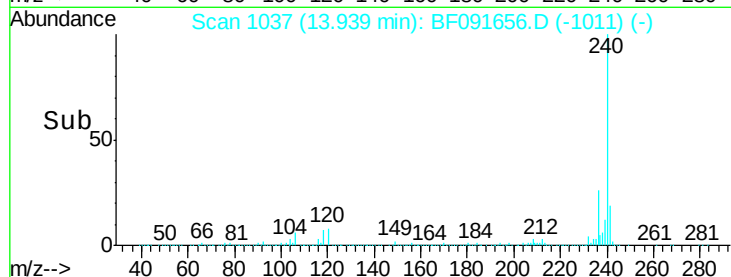
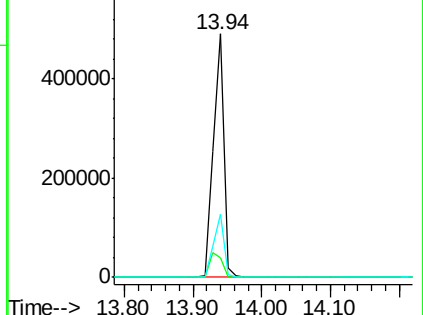
236 26.0 21.0 31.6



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: 60.33 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091656.D

Acq: 16 Dec 2016 5:38

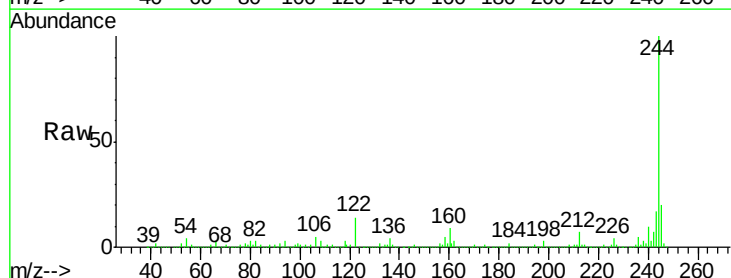
Tgt Ion:244 Resp: 1424386

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

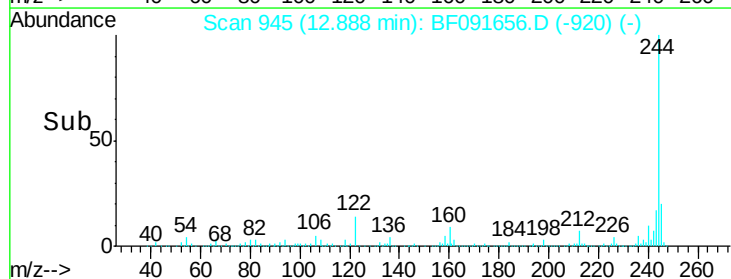
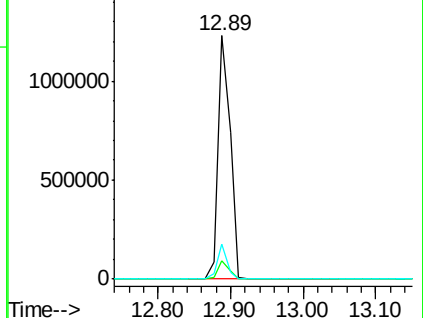
122 14.5 9.5 14.3#

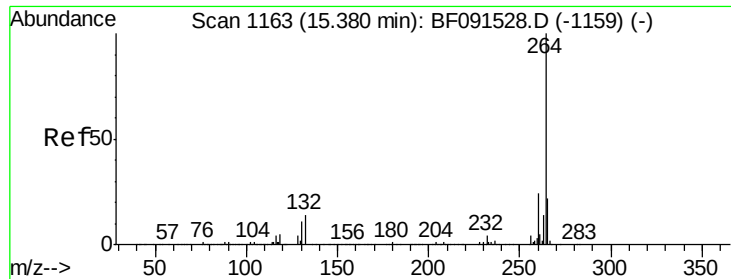


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.35 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF091656.D
Acq: 16 Dec 2016 5:38

Instrument :
BNA_F
ClientSampleId :
MW-12

Tgt Ion: 264 Resp: 434890
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.3 17.0 25.6

