

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\
 Data File : BF092022.D
 Acq On : 29 Dec 2016 13:54
 Operator : UM/SJ
 Sample : H6278-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Time: Dec 29 14:43:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

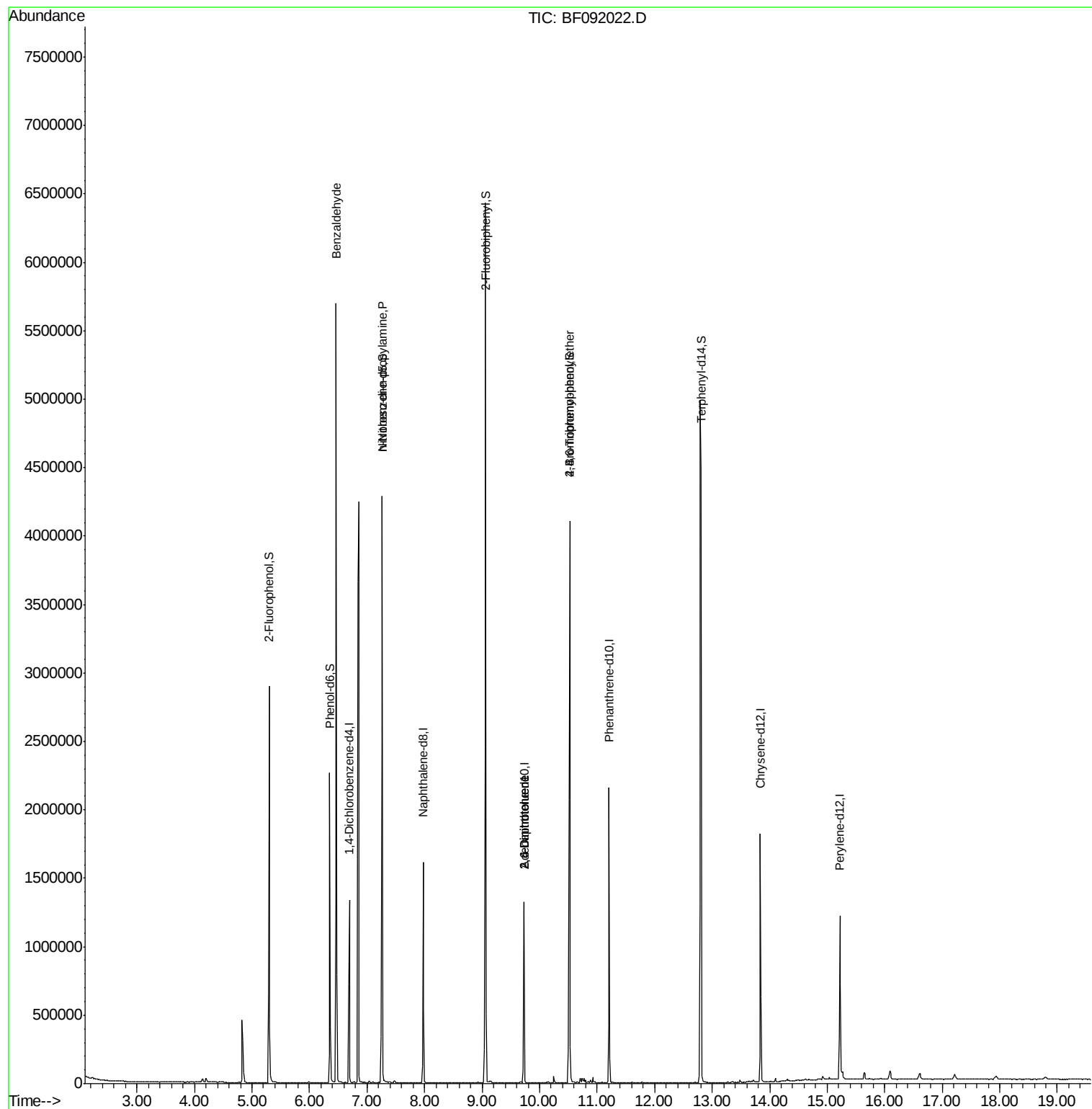
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	243931	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	795492	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	439190	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	758227	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	668981	20.00	ng	-0.03
86) Perylene-d12	15.22	264	586962	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	792622	54.26	ng	-0.02
7) Phenol-d6	6.35	99	734293	41.17	ng	-0.03
23) Nitrobenzene-d5	7.26	82	1749542	122.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	512885	141.11	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	2148210	102.94	ng	-0.02
78) Terphenyl-d14	12.81	244	2529900	91.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	36777	2.53	ng	# 67
19) n-Nitroso-di-n-propylamine	7.26	70	234699	19.78	ng	# 76
50) 2,6-Dinitrotoluene	9.73	165	56844	9.25	ng	# 29
56) 2,4-Dinitrotoluene	9.73	165	56844	7.37	ng	# 18
66) 4-Bromophenyl-phenylether	10.52	248	35443	4.49	ng	# 1
71) Anthracene	11.29	178	819	Below Cal	#	59
73) Di-n-butylphthalate	11.78	149	4884	Below Cal	#	92
74) Fluoranthene	12.42	202	1061	Below Cal		61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

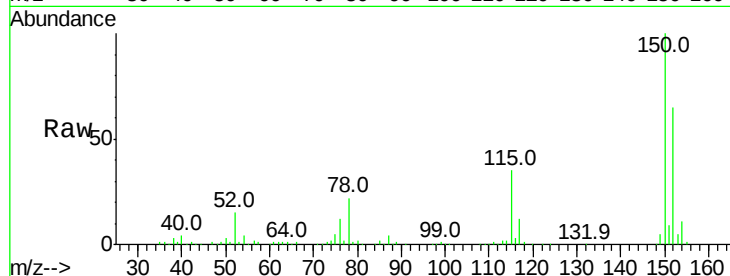
Tot Ion:152 Resp: 243931

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

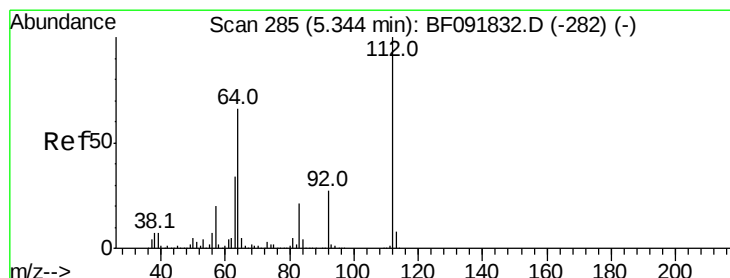
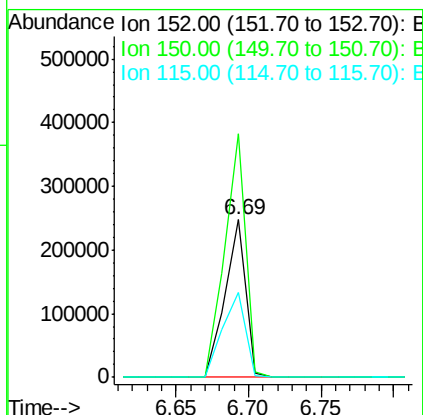
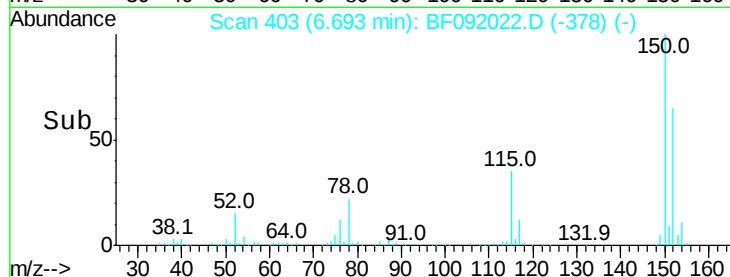
115 54.2 46.0 69.0



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: 54.26 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

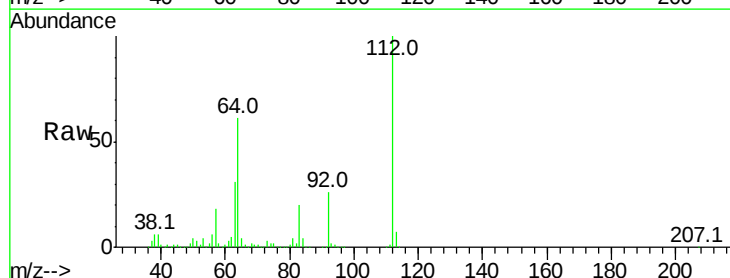
Tgt Ion:112 Resp: 792622

Ion Ratio Lower Upper

112 100

64 61.0 46.1 69.1

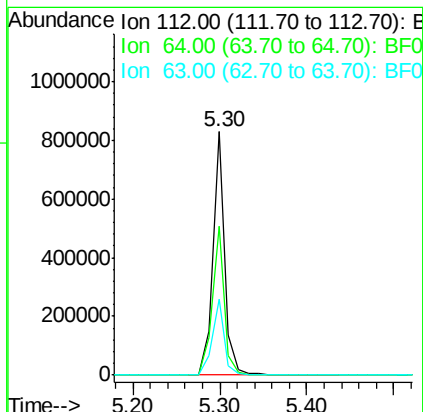
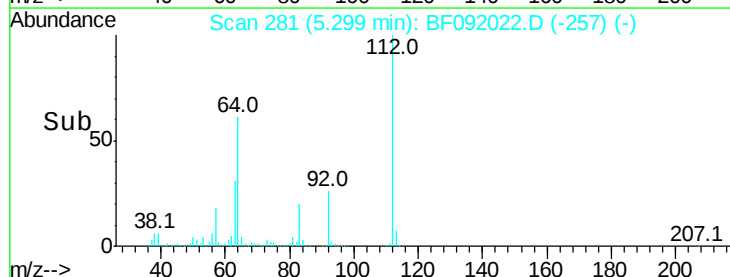
63 31.4 23.8 35.6



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: 41.17 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

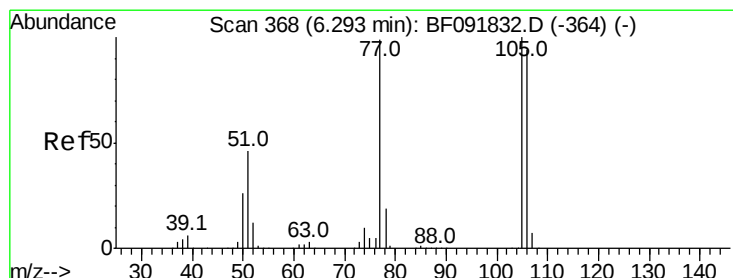
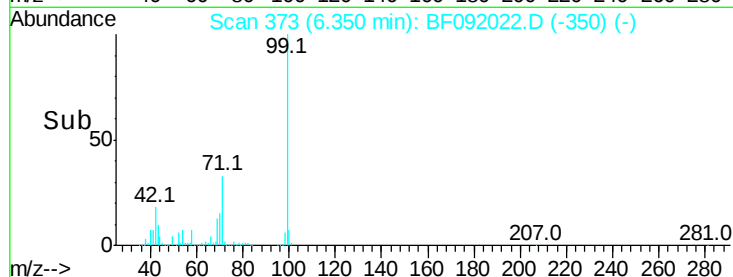
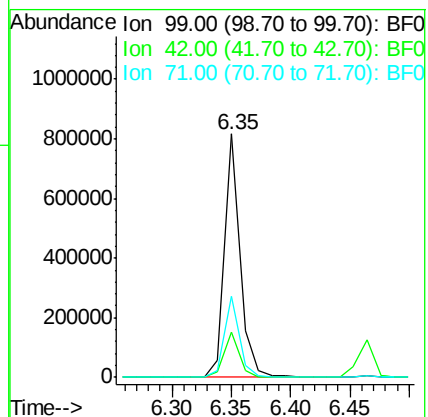
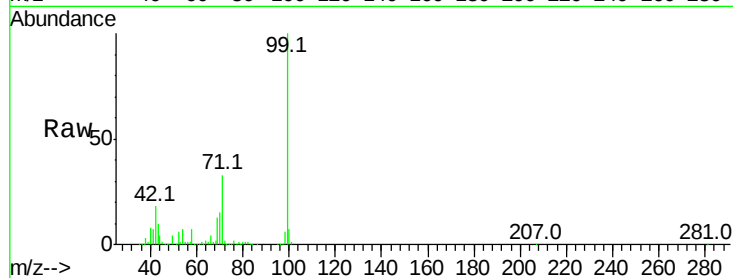
Tot Ion: 99 Resp: 734293

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

71 33.1 27.5 41.3



#9

Benzaldehyde

Concen: 2.53 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.22 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

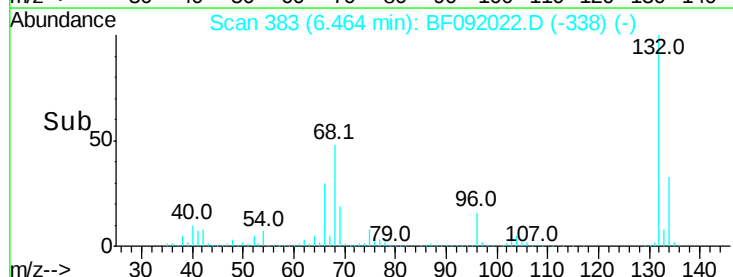
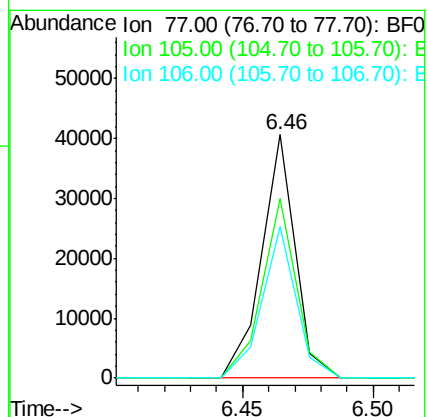
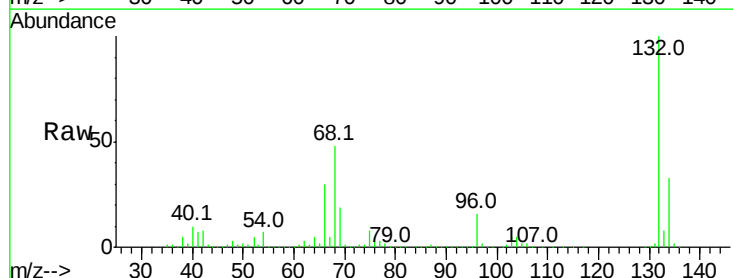
Tgt Ion: 77 Resp: 36777

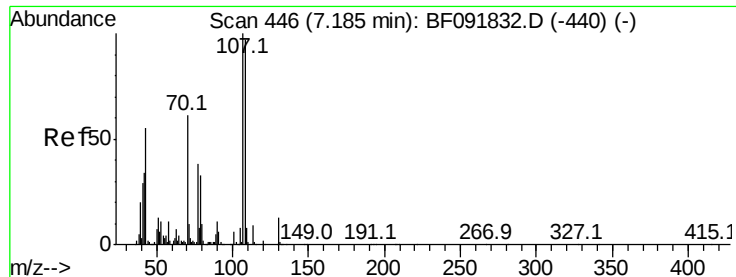
Ion Ratio Lower Upper

77 100

105 73.8 83.9 123.9#

106 62.2 77.6 117.6#





#19

n-Nitroso-di-n-propylamine

Concen: 19.78 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

Tot Ion: 70 Resp: 234699

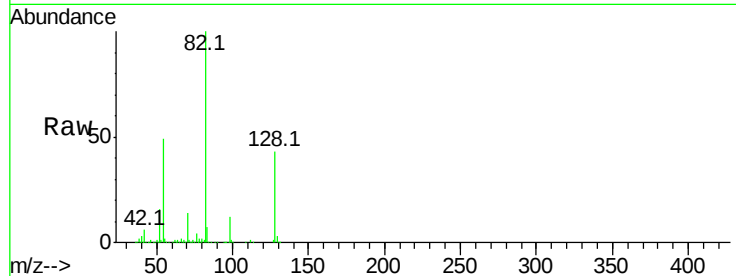
Ion Ratio Lower Upper

70 100

42 45.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

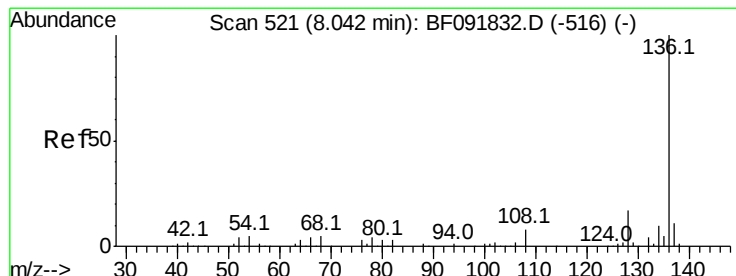
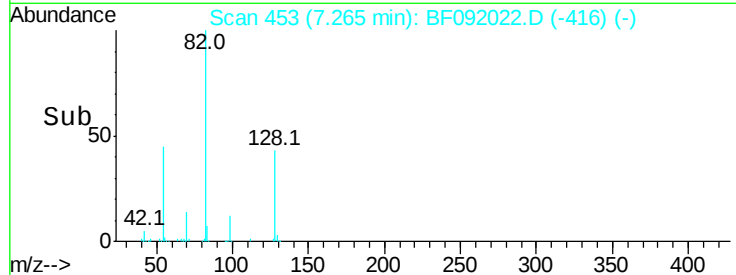
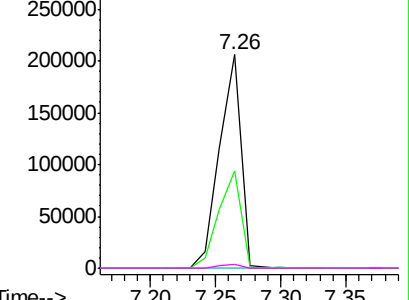


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Tgt Ion: 136 Resp: 795492

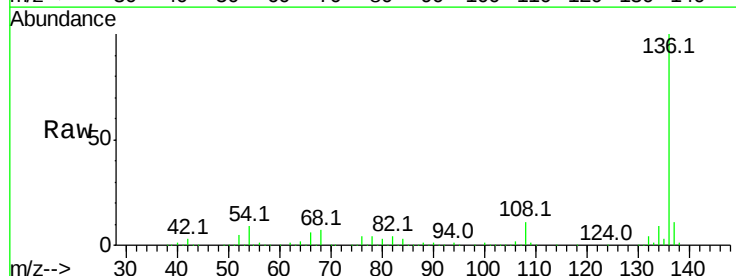
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 8.9 4.5 6.7#

68 6.8 3.6 5.4#

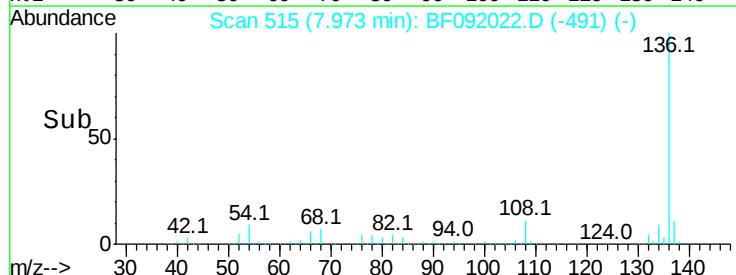
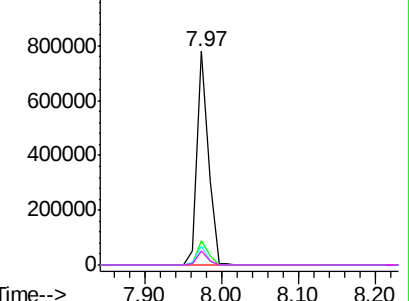


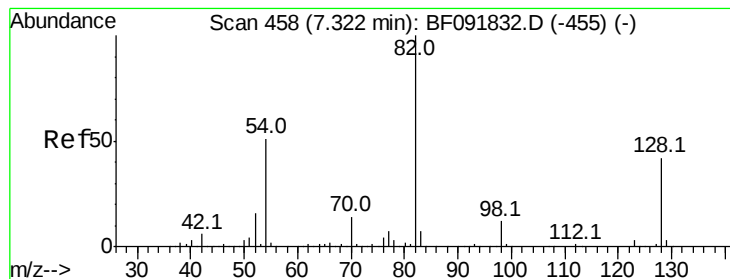
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 122.30 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

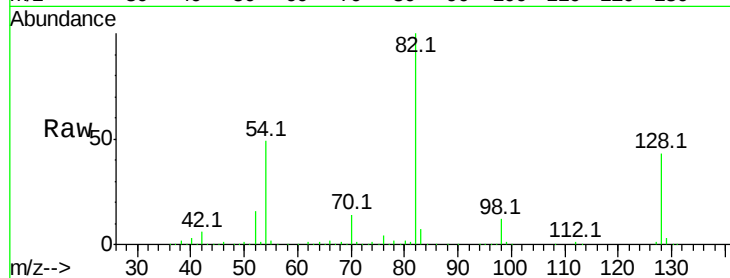
Tot Ion: 82 Resp: 1749542

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	48.6	39.5	59.3

82 100

128 43.1 34.6 52.0

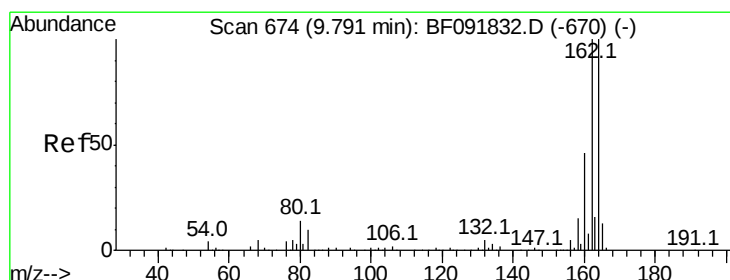
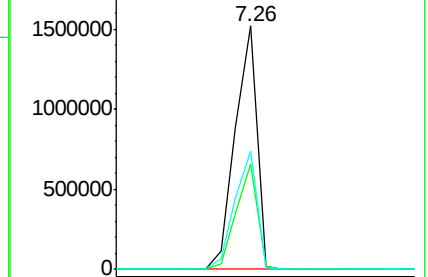
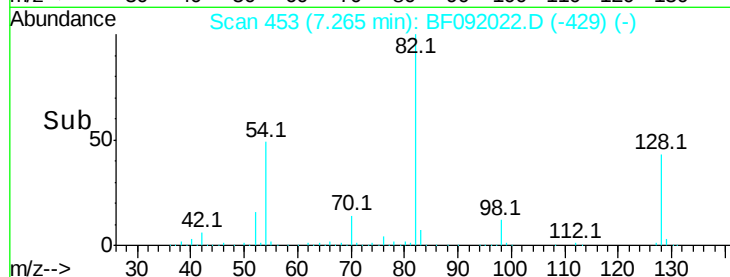
54 48.6 39.5 59.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

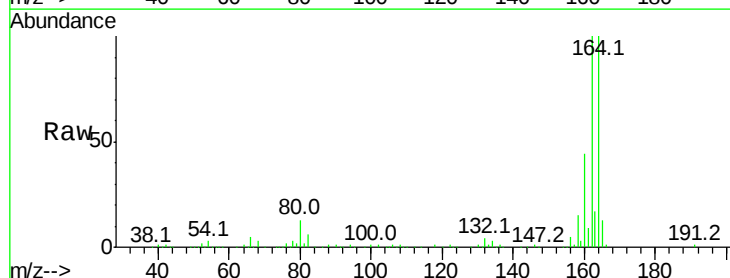
Tgt Ion:164 Resp: 439190

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	44.6	36.9	55.3

164 100

162 100.5 80.2 120.2

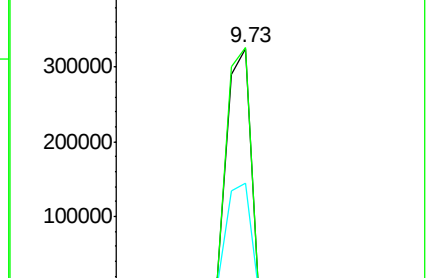
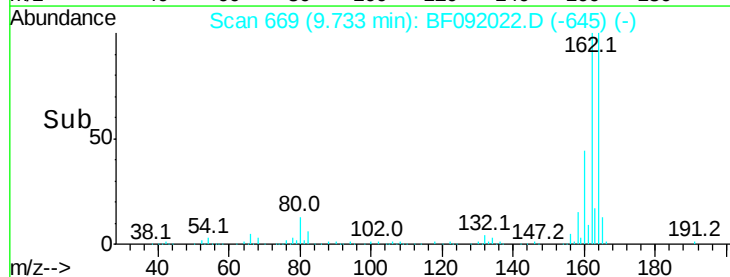
160 44.6 36.9 55.3

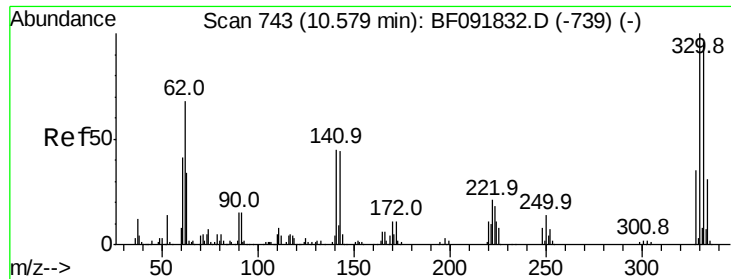


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

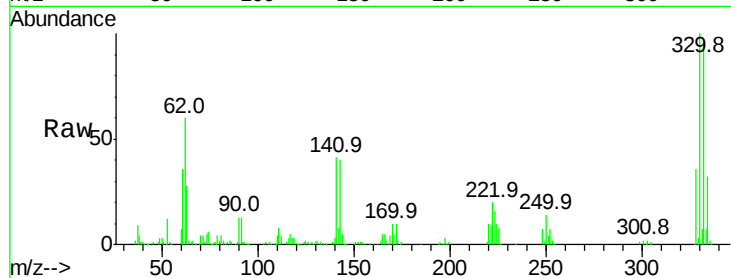




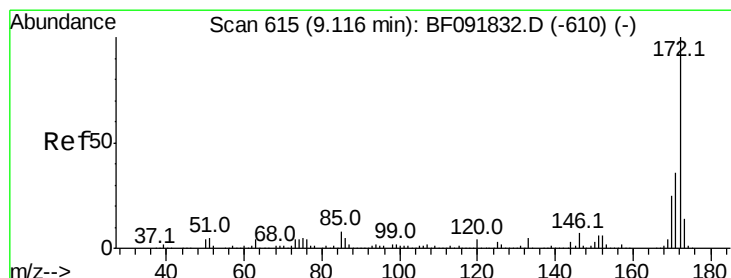
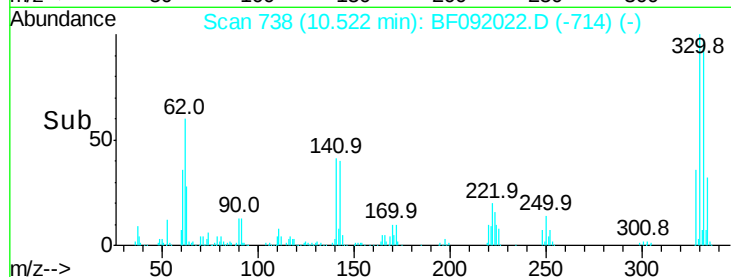
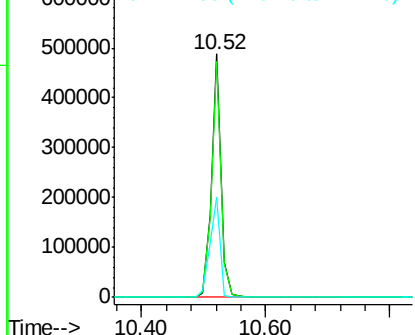
#41
 2,4,6-Tribromophenol
 Concen: 141.11 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.02 min
 Lab File: BF092022.D
 Acq: 29 Dec 2016 13:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Tot Ion:330 Resp: 512885
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 44.1 34.1 51.1

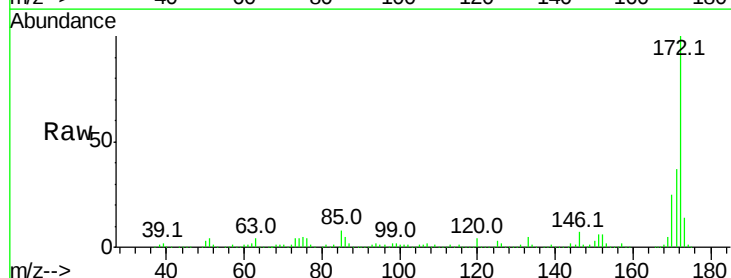


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

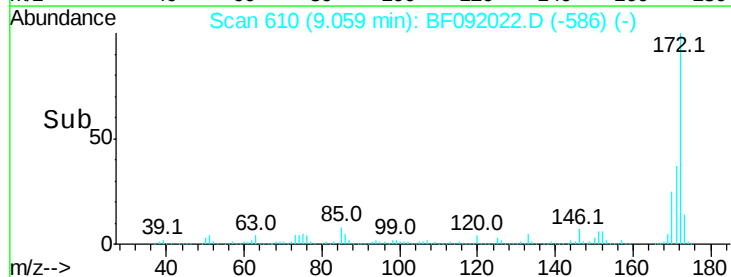
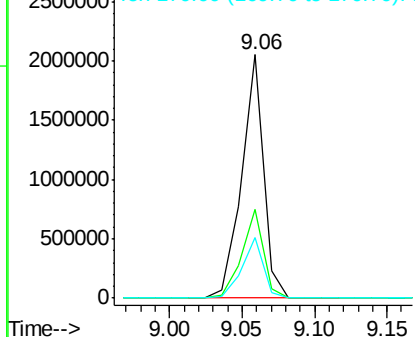


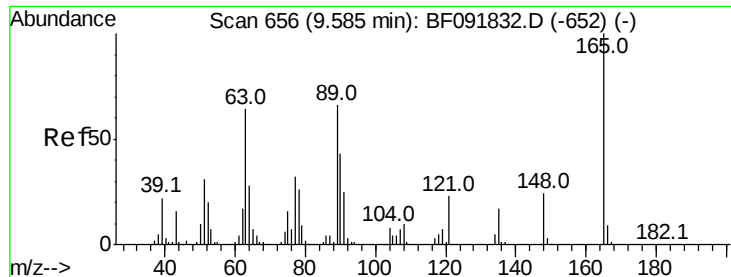
#44
 2-Fluorobiphenyl
 Concen: 102.94 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092022.D
 Acq: 29 Dec 2016 13:54

Tgt Ion:172 Resp: 2148210
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 25.0 20.2 30.4



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

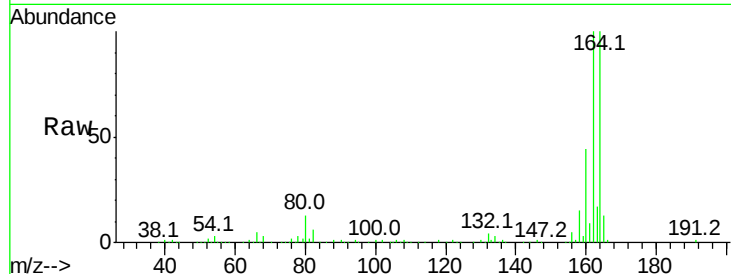




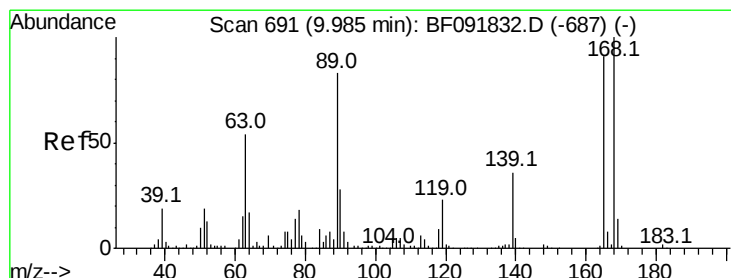
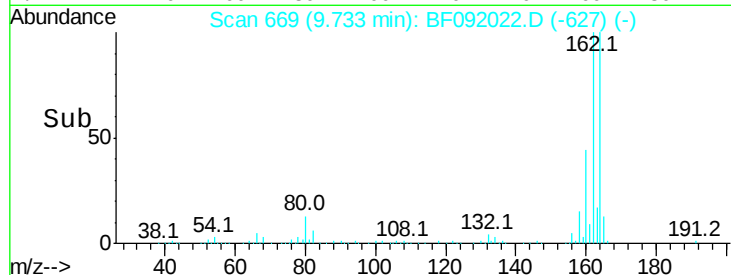
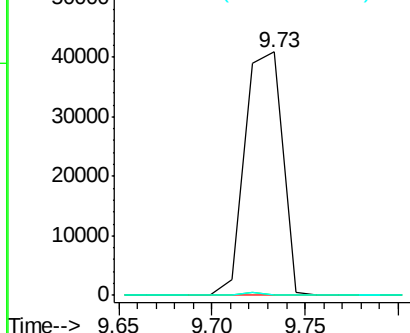
#50
2,6-Dinitrotoluene
Concen: 9.25 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.18 min
Lab File: BF092022.D
Acq: 29 Dec 2016 13:54

Instrument :
BNA_F
ClientSampleId :
MW-02

Tot Ion:165 Resp: 56844
Ion Ratio Lower Upper
165 100
63 0.0 36.2 54.4#
89 0.0 40.2 60.4#

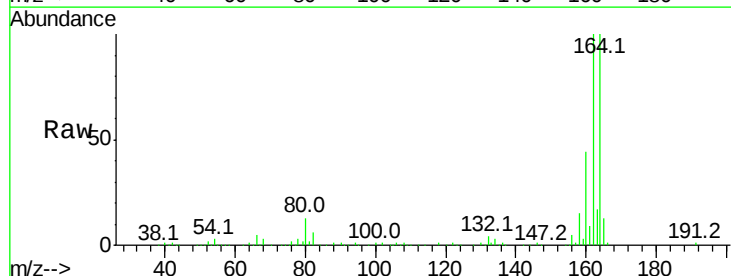


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

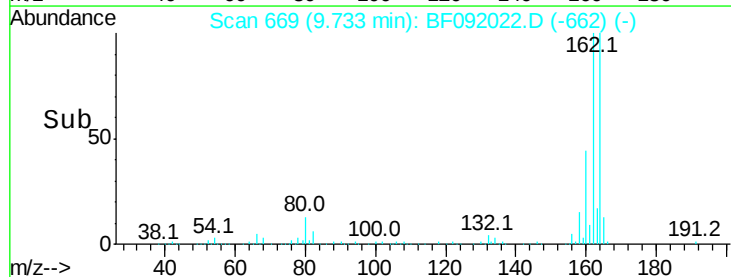
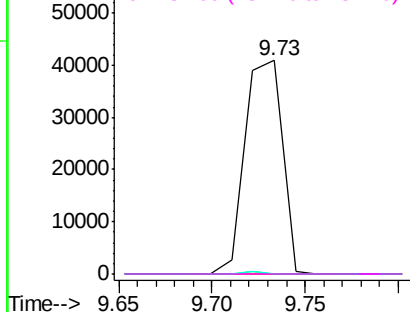


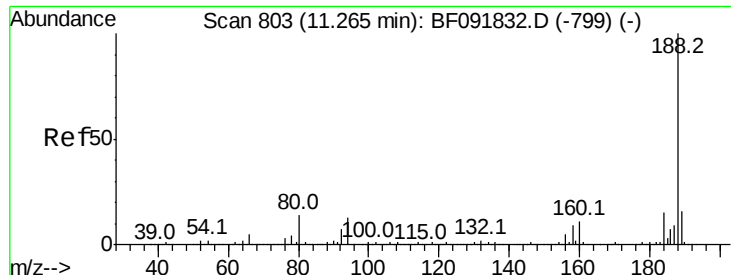
#56
2,4-Dinitrotoluene
Concen: 7.37 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.22 min
Lab File: BF092022.D
Acq: 29 Dec 2016 13:54

Tgt Ion:165 Resp: 56844
Ion Ratio Lower Upper
165 100
63 0.0 40.2 60.4#
89 0.0 62.5 93.7#
182 0.0 1.8 2.8#



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

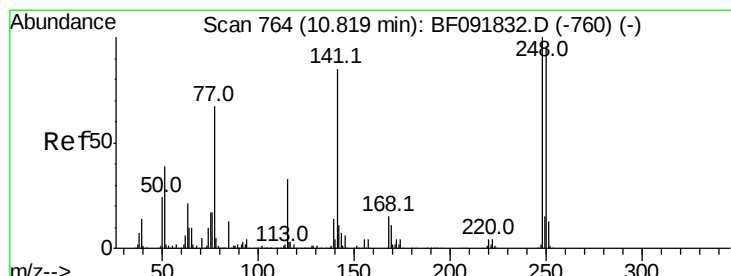
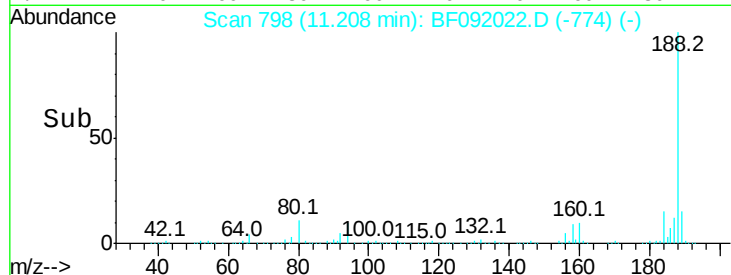
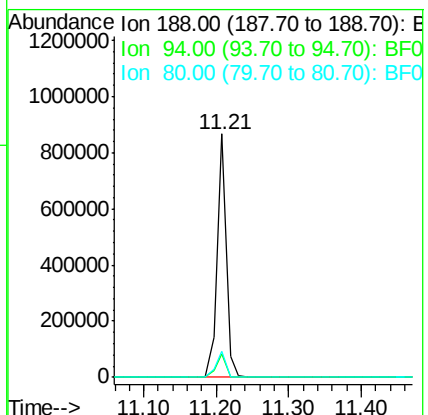
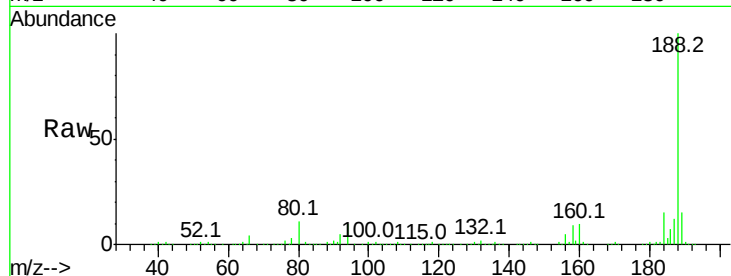




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF092022.D
Acq: 29 Dec 2016 13:54

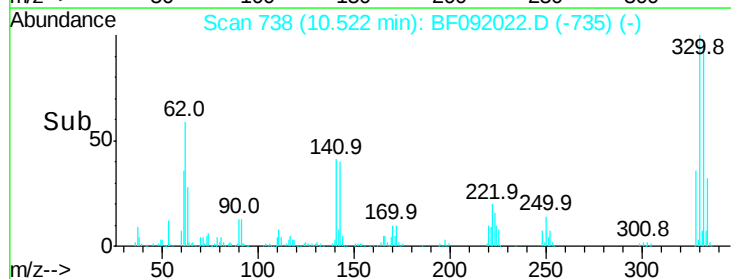
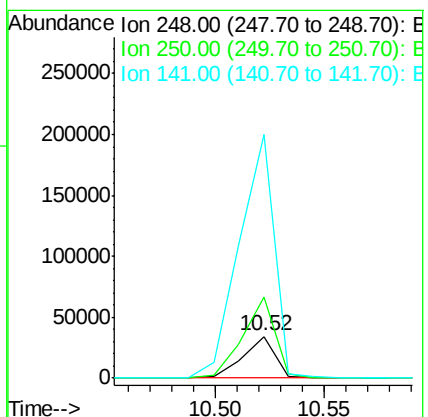
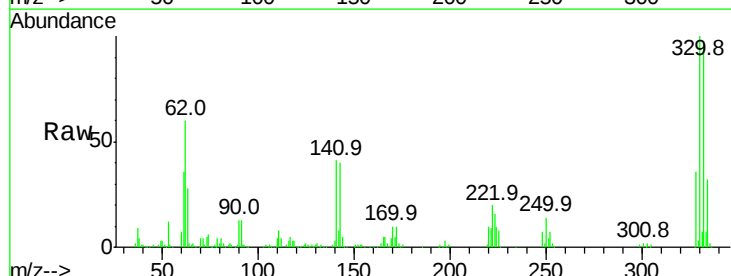
Instrument :
BNA_F
ClientSampleId :
MW-02

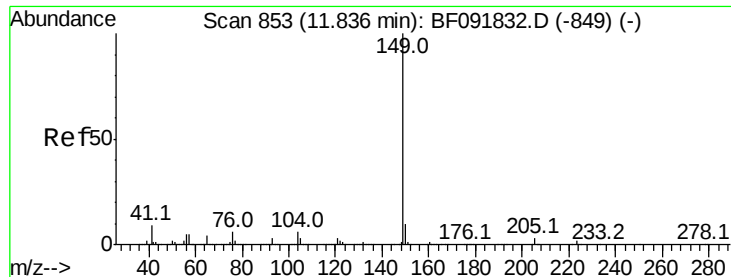
Tot Ion:188 Resp: 758227
Ion Ratio Lower Upper
188 100
94 9.8 10.0 15.0#
80 10.7 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 4.49 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.26 min
Lab File: BF092022.D
Acq: 29 Dec 2016 13:54

Tgt Ion:248 Resp: 35443
Ion Ratio Lower Upper
248 100
250 196.2 76.9 115.3#
141 586.6 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.78 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

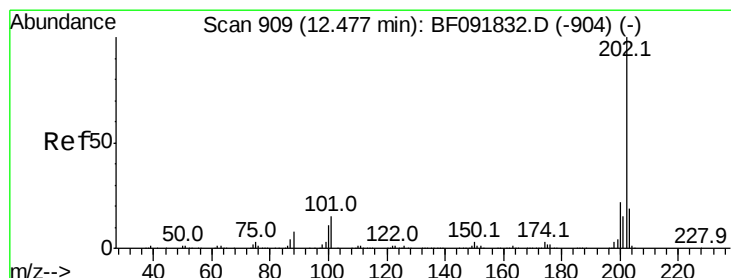
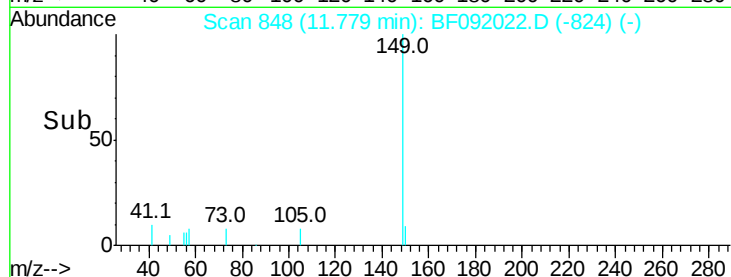
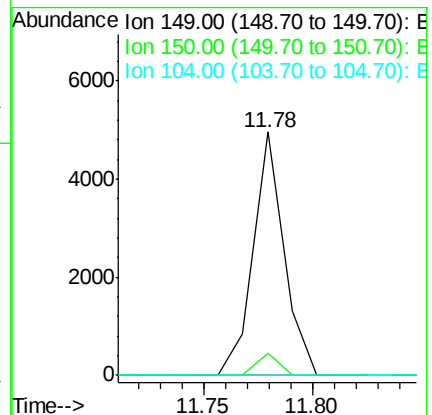
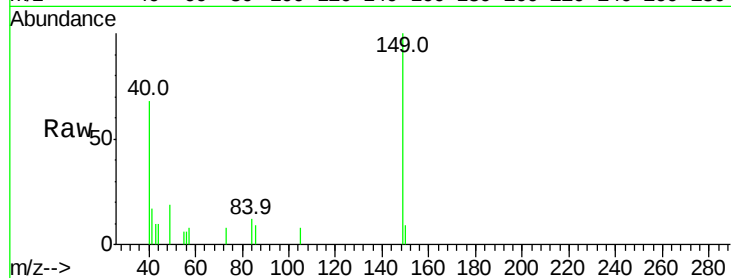
Tot Ion:149 Resp: 4884

Ion Ratio Lower Upper

149 100

150 9.2 8.1 12.1

104 0.0 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.42 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

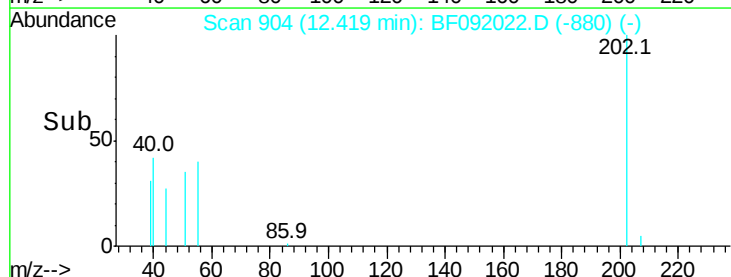
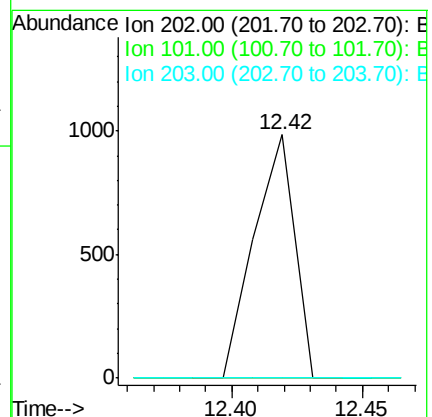
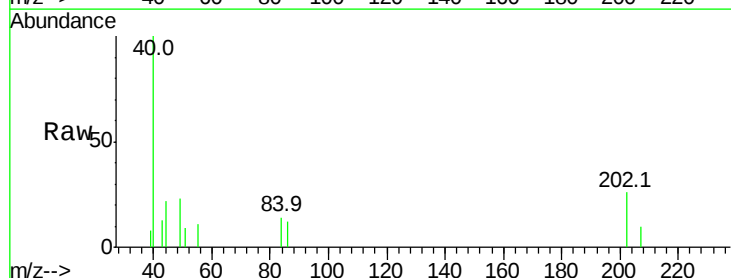
Tgt Ion:202 Resp: 1061

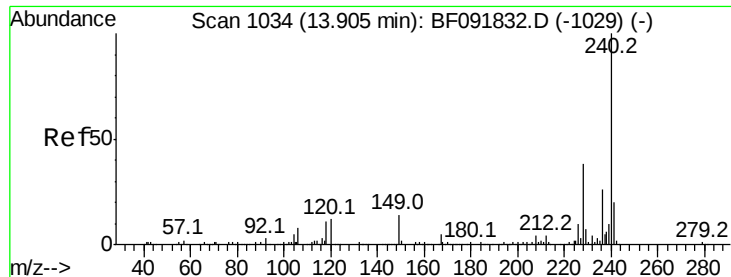
Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

203 0.0 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

Instrument :

BNA_F

ClientSampleId :

MW-02

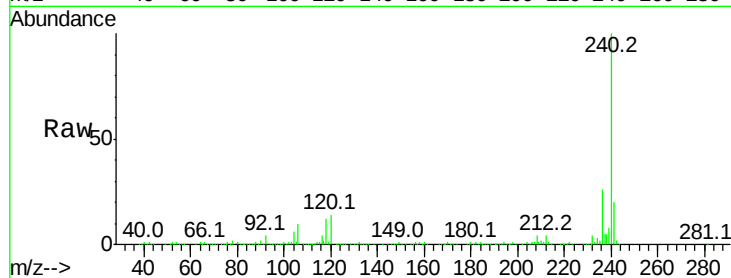
Tot Ion:240 Resp: 668981

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

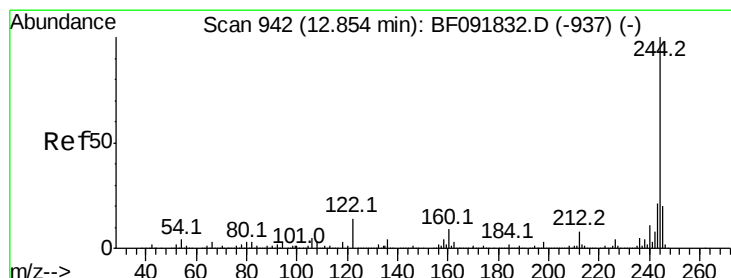
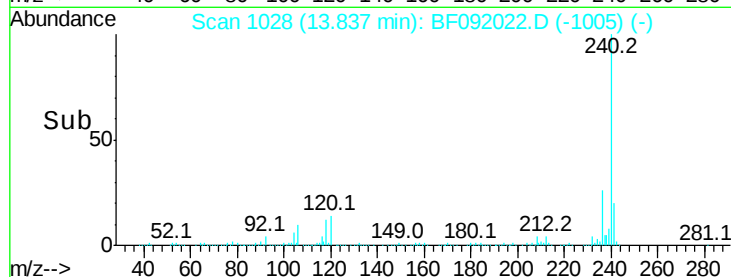
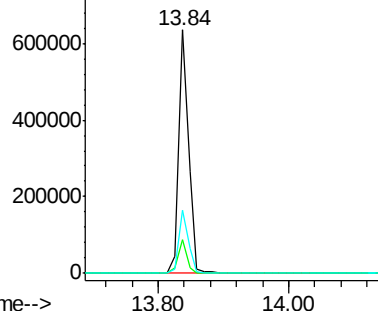
236 25.9 20.9 31.3



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: 91.72 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF092022.D

Acq: 29 Dec 2016 13:54

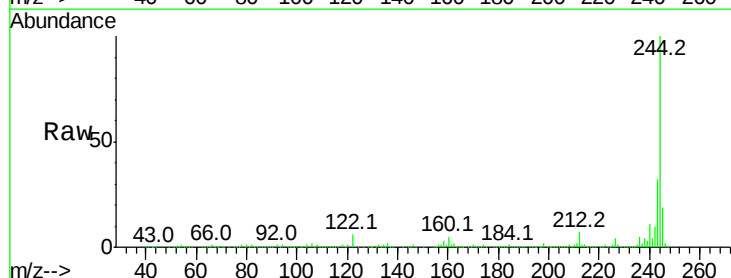
Tgt Ion:244 Resp: 2529900

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

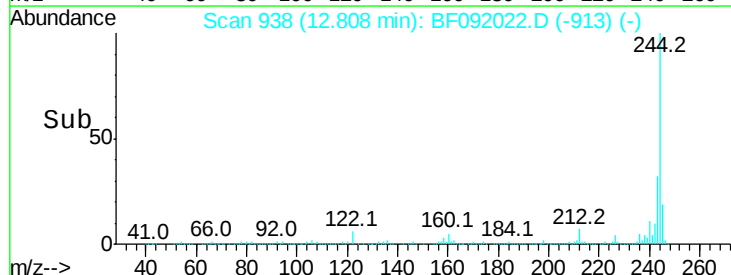
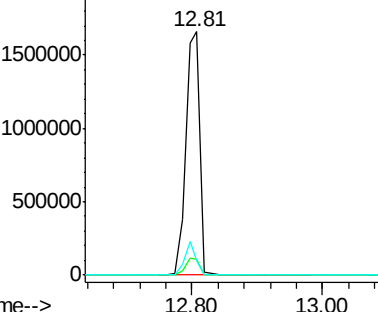
122 5.9 11.4 17.2#

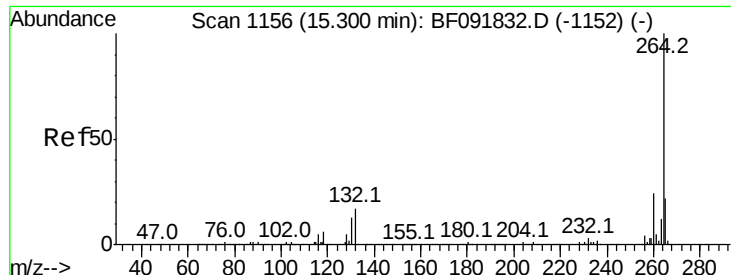


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF092022.D
Acq: 29 Dec 2016 13:54

Instrument :
BNA_F
ClientSampleId :
MW-02

Tot Ion: 264 Resp: 586962

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.4	26.0

