

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092397.D
 Acq On : 21 Jan 2017 5:02
 Operator : UM/SJ
 Sample : I1267-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Quant Time: Jan 21 05:38:04 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

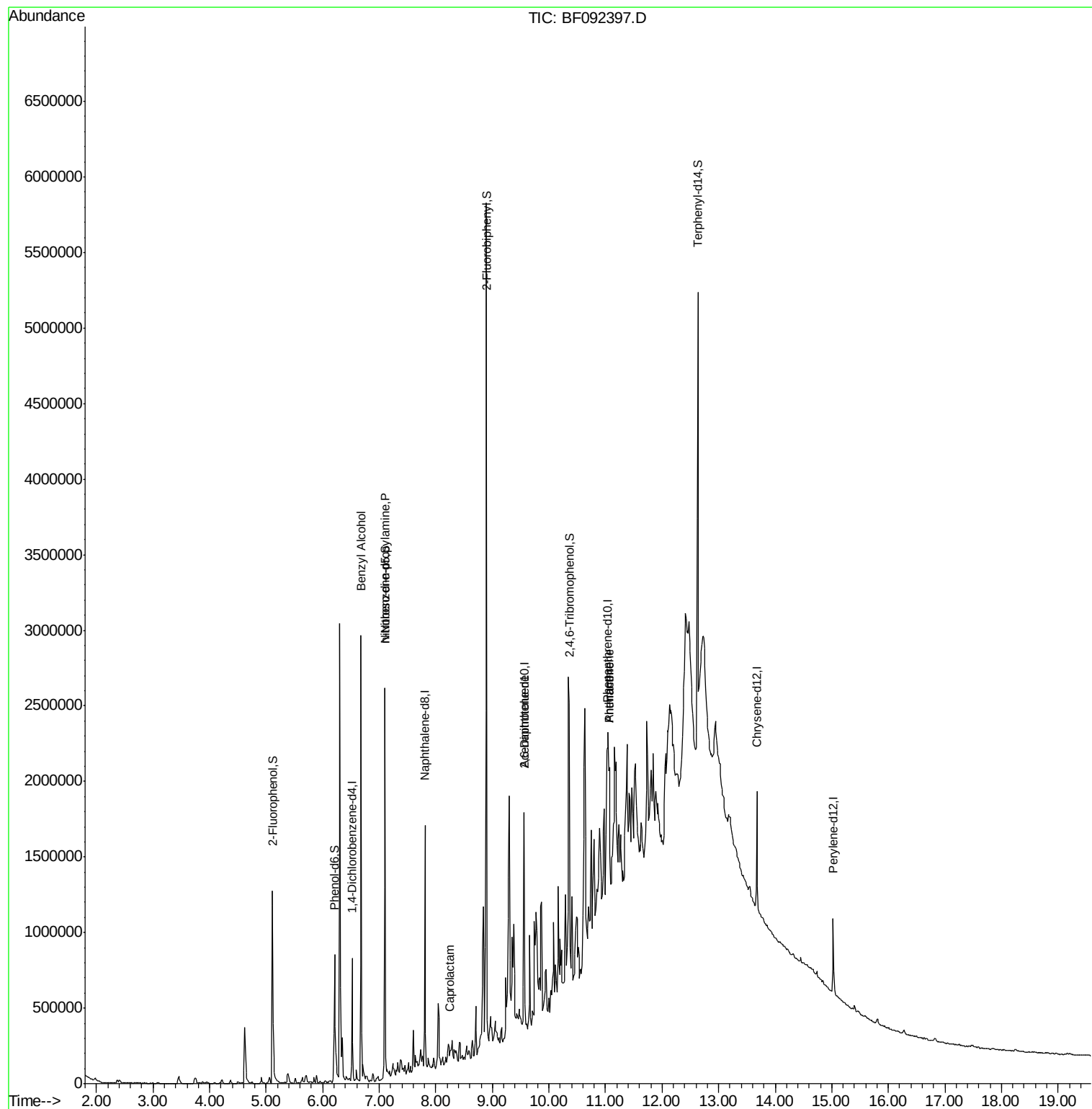
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	122611	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	702086	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	311384	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	362661	20.00	ng	0.00
75) Chrysene-d12	13.67	240	288275	20.00	ng	0.01
86) Perylene-d12	15.02	264	216888	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	646013	87.97	ng	0.02
7) Phenol-d6	6.21	99	414419	46.22	ng	0.02
23) Nitrobenzene-d5	7.10	82	980229	77.64	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	374778	145.44	ng	0.01
44) 2-Fluorobiphenyl	8.90	172	1940102	135.29	ng	0.00
78) Terphenyl-d14	12.63	244	1188282	99.97	ng	0.01
Target Compounds						
9) Benzaldehyde	6.21	77	919	Below Cal	#	1
15) Benzyl Alcohol	6.68	79	15444	2.22 ng	#	37
19) n-Nitroso-di-n-propylamine	7.10	70	142734	23.93 ng	#	76
35) Caprolactam	8.24	113	7364	2.41 ng	#	64
37) 2-Methylnaphthalene	8.53	142	1660	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.56	165	41270	9.47 ng	#	33
70) Phenanthrene	11.07	178	88901	4.52 ng		98
71) Anthracene	11.07	178	88901	3.40 ng		99
73) Di-n-butylphthalate	11.65	149	5634	Below Cal	#	1
74) Fluoranthene	12.26	202	1697	Below Cal	#	1
76) Benzydine	12.37	184	2742	Below Cal	#	1

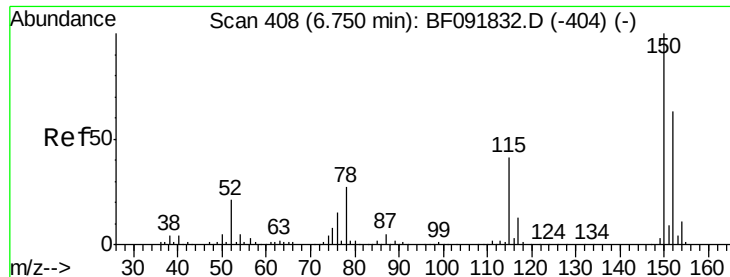
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
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QLast Update : Fri Jan 20 22:22:14 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

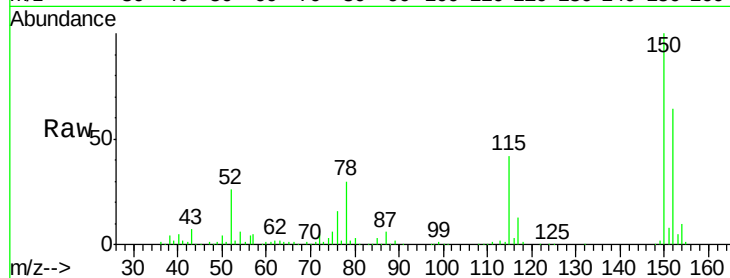
Tgt Ion:152 Resp: 122611

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

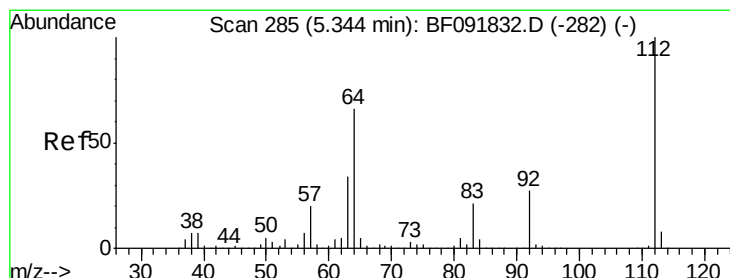
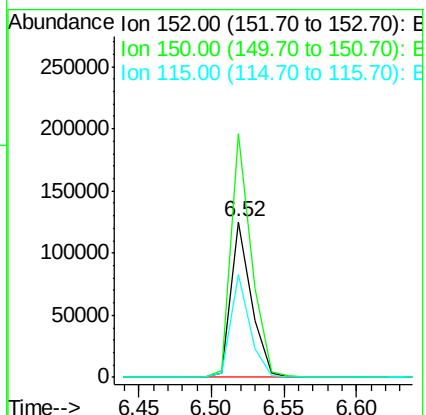
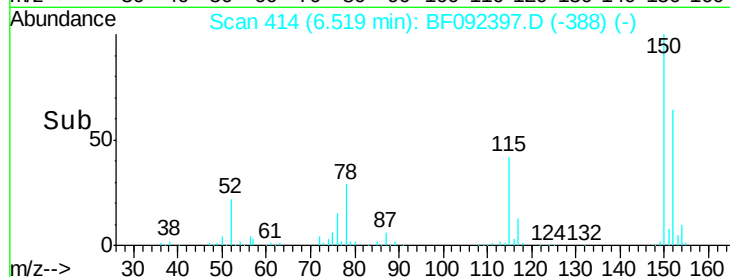
115 65.9 46.0 69.0



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: 87.97 ng

RT: 5.11 min Scan# 291

Delta R.T. 0.02 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

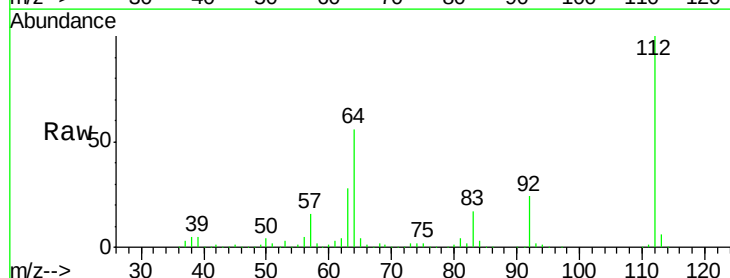
Tgt Ion:112 Resp: 646013

Ion Ratio Lower Upper

112 100

64 56.0 46.1 69.1

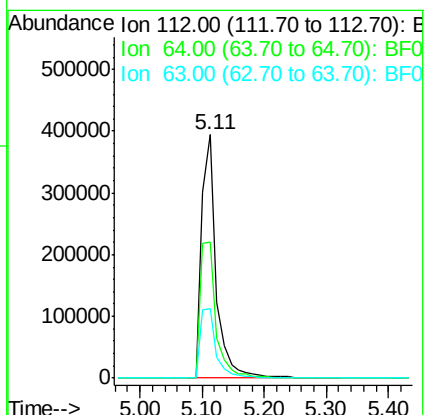
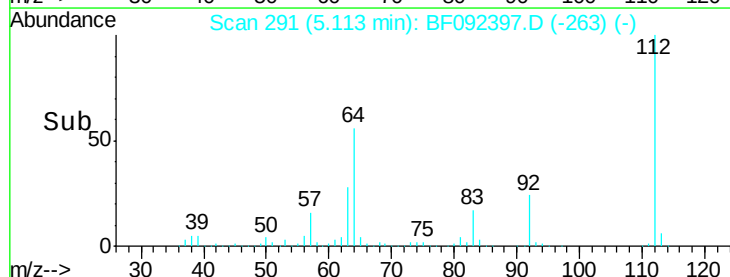
63 28.3 23.8 35.6

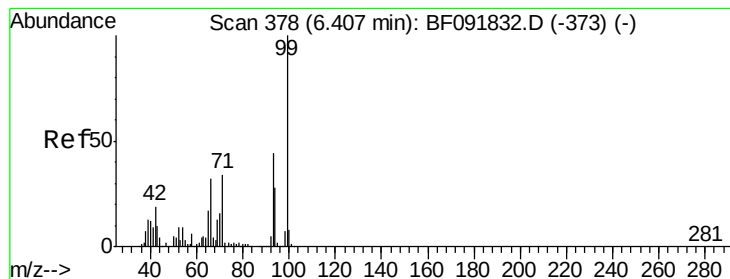


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.22 ng

RT: 6.21 min Scan# 387

Delta R.T. 0.02 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

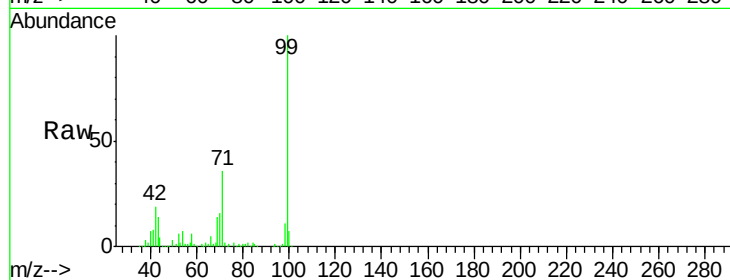
Tgt Ion: 99 Resp: 414419

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

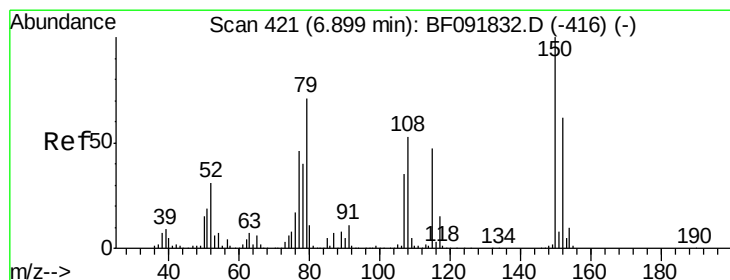
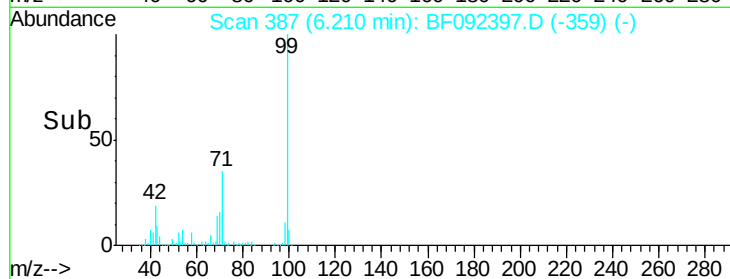
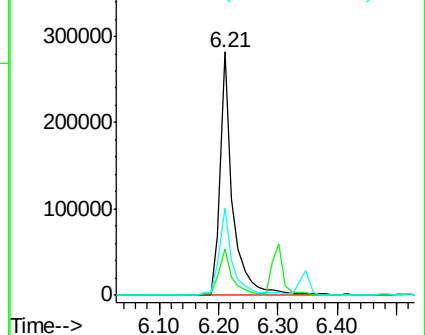
71 35.7 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 6.68 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

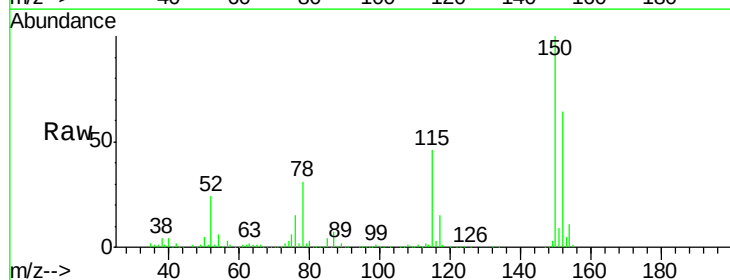
Tgt Ion: 79 Resp: 15444

Ion Ratio Lower Upper

79 100

108 26.8 61.4 92.0#

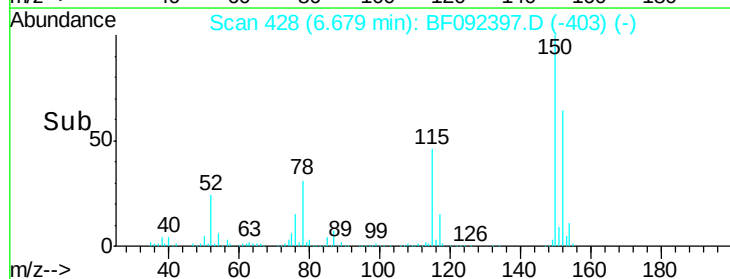
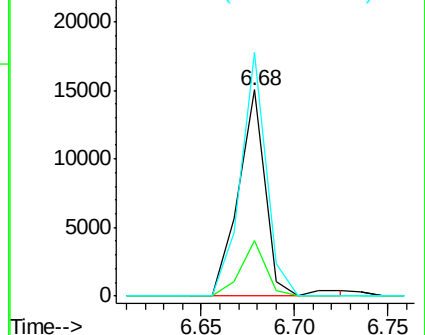
77 118.2 50.9 76.3#

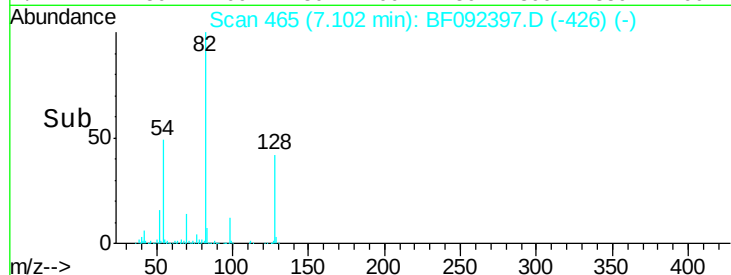
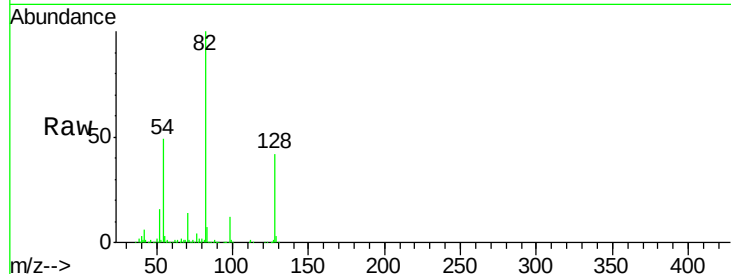
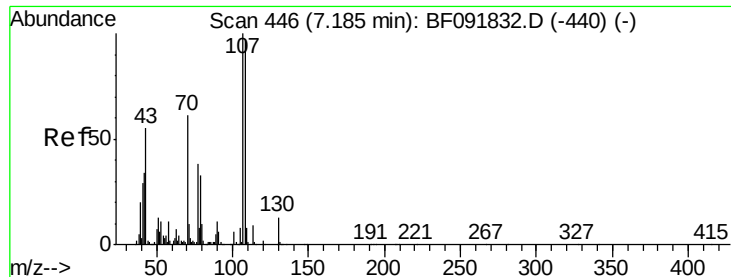


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

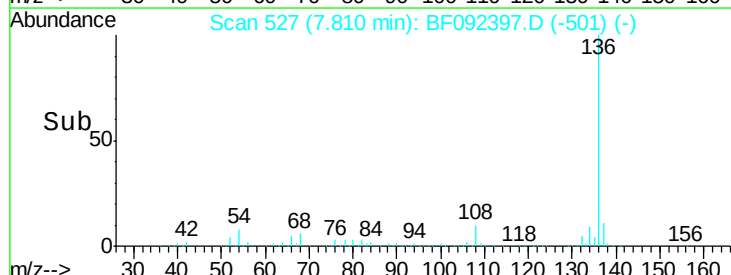
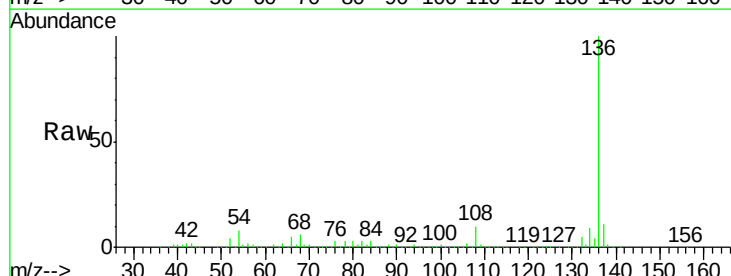
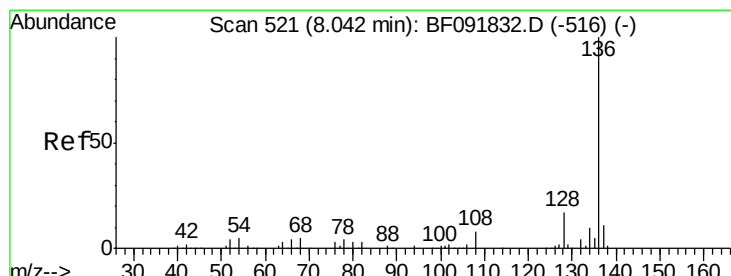
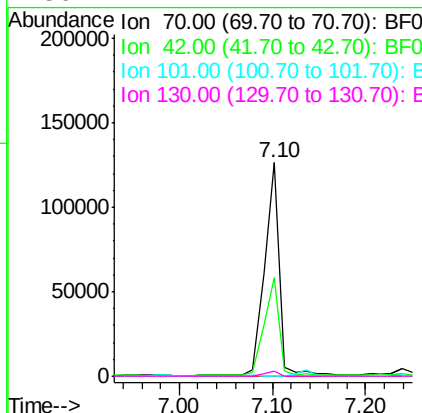




#19
n-Nitroso-di-n-propylamine
Concen: 23.93 ng
RT: 7.10 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF092397.D
Acq: 21 Jan 2017 5:02

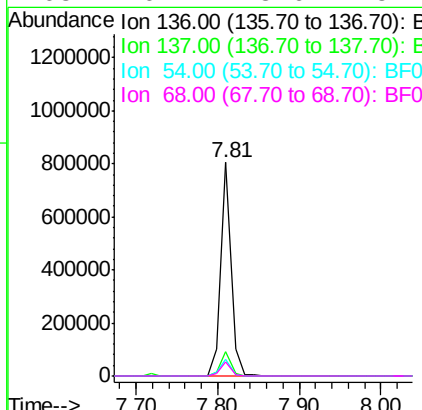
Instrument :
BNA_F
ClientSampleId :
MW-23

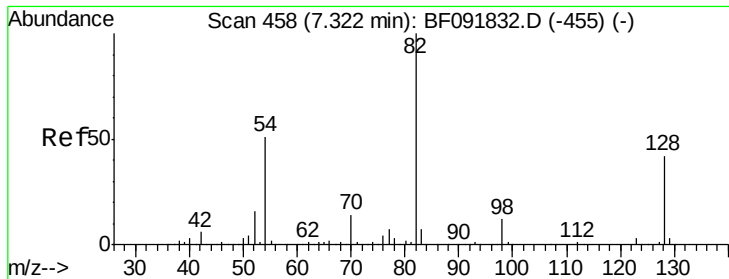
Tgt Ion:	70	Resp:	142734
Ion	Ratio	Lower	Upper
70	100		
42	46.1	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092397.D
Acq: 21 Jan 2017 5:02

Tgt Ion:	136	Resp:	702086
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	7.7	4.5	6.7#
68	6.4	3.6	5.4#

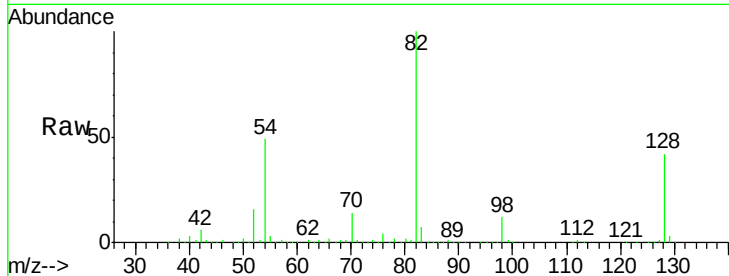




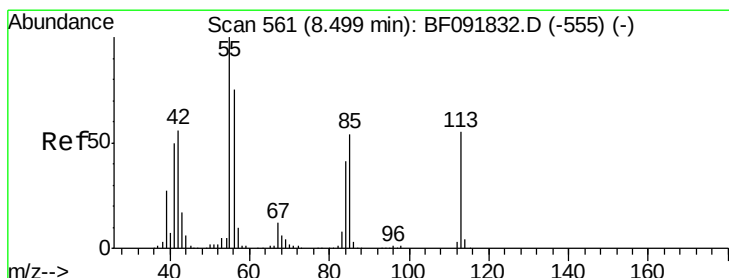
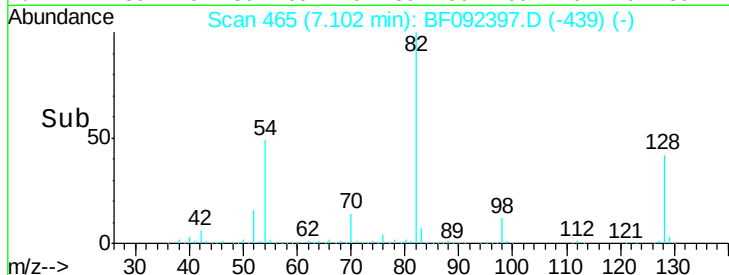
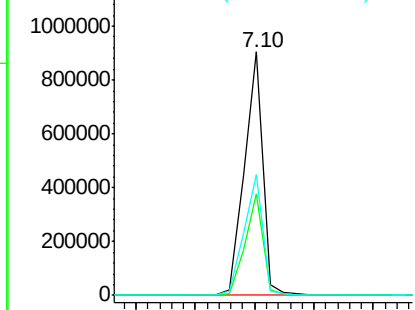
#23
 Nitrobenzene-d5
 Concen: 77.64 ng
 RT: 7.10 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF092397.D
 Acq: 21 Jan 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Tgt Ion: 82 Resp: 980229
 Ion Ratio Lower Upper
 82 100
 128 41.6 34.6 52.0
 54 49.4 39.5 59.3

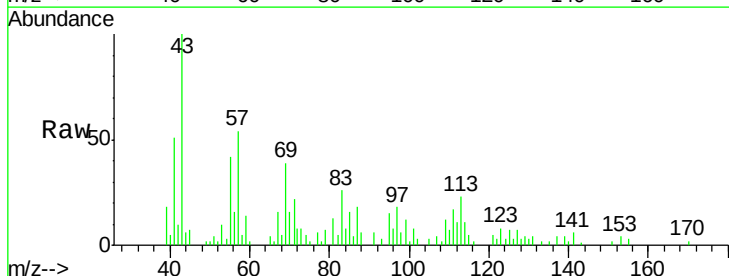


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

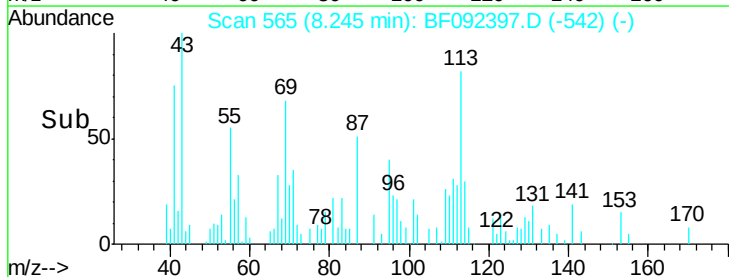
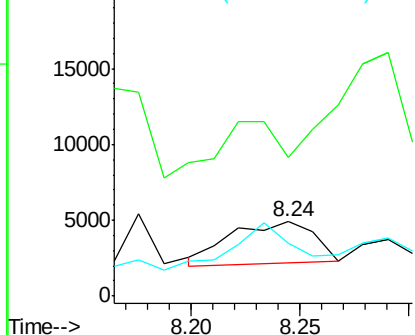


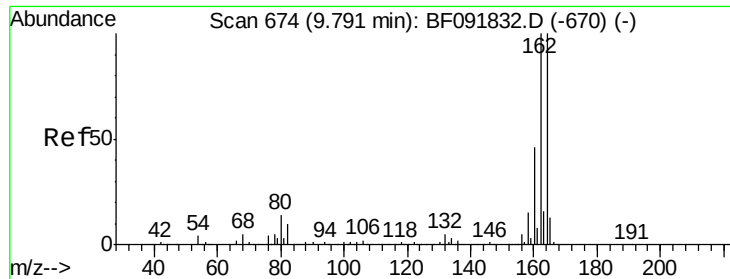
#35
 Caprolactam
 Concen: 2.41 ng
 RT: 8.24 min Scan# 565
 Delta R.T. -0.03 min
 Lab File: BF092397.D
 Acq: 21 Jan 2017 5:02

Tgt Ion: 113 Resp: 7364
 Ion Ratio Lower Upper
 113 100
 55 186.5 119.2 159.2#
 56 71.1 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): BF0
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

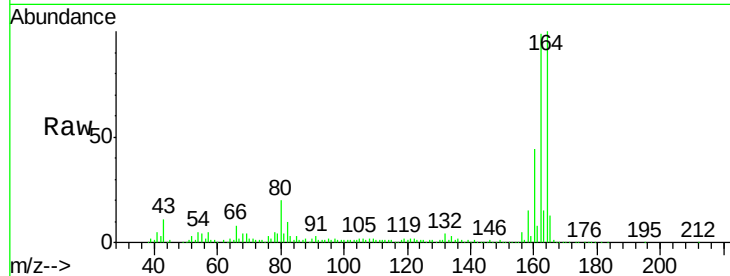
Tgt Ion:164 Resp: 311384

Ion Ratio Lower Upper

164 100

162 98.9 80.2 120.2

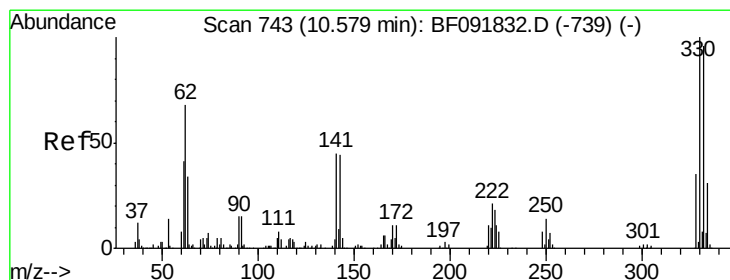
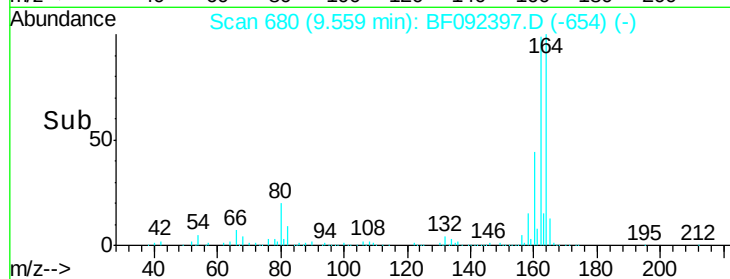
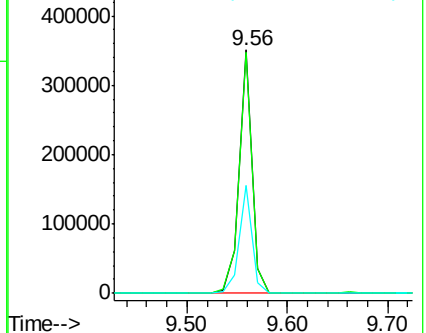
160 44.3 36.9 55.3



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: 145.44 ng

RT: 10.36 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

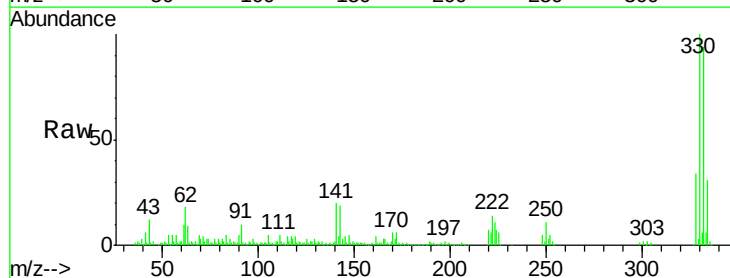
Tgt Ion:330 Resp: 374778

Ion Ratio Lower Upper

330 100

332 94.1 77.4 116.2

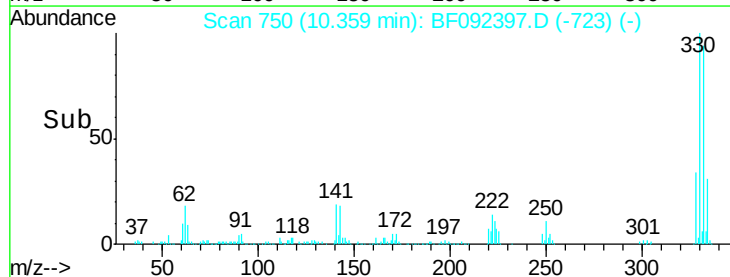
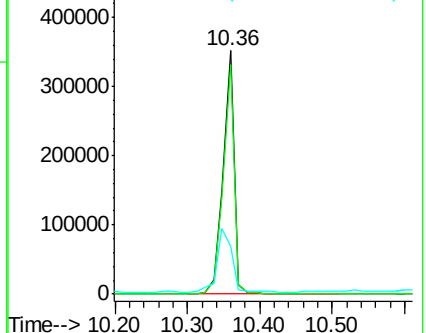
141 33.3 34.1 51.1#

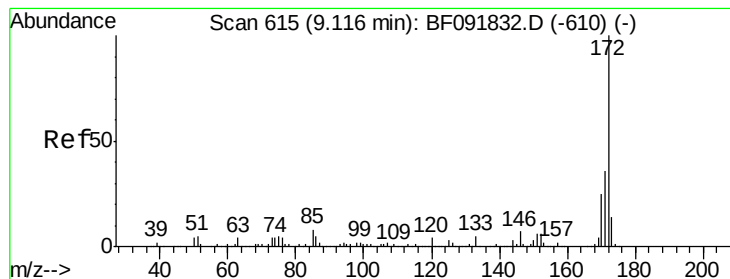


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 135.29 ng

RT: 8.90 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

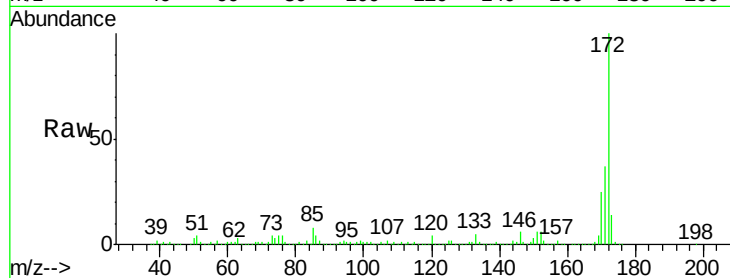
Tgt Ion:172 Resp: 1940102

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

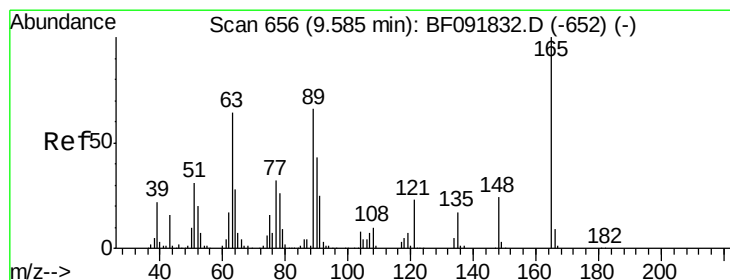
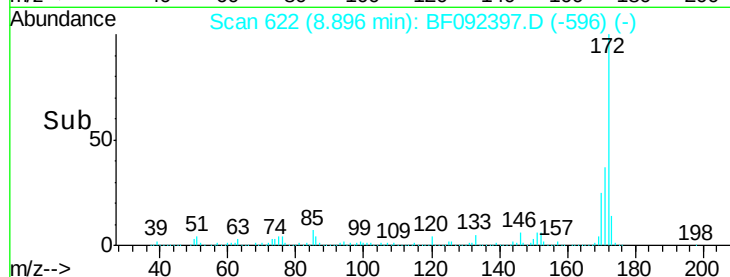
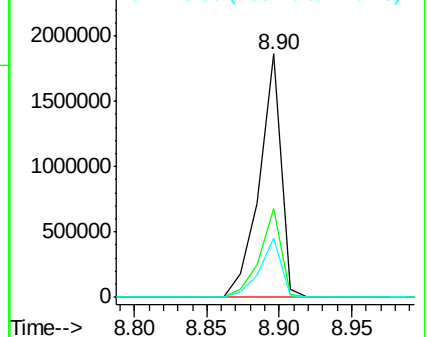
170 24.6 20.2 30.4



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: 9.47 ng

RT: 9.56 min Scan# 680

Delta R.T. 0.19 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

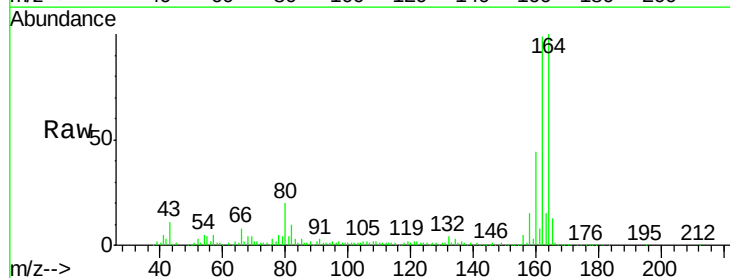
Tgt Ion:165 Resp: 41270

Ion Ratio Lower Upper

165 100

63 3.0 36.2 54.4#

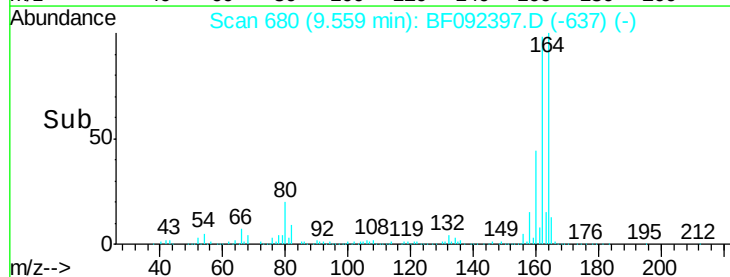
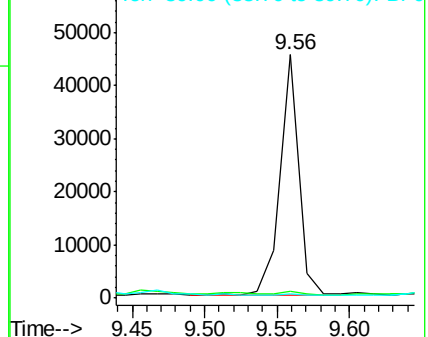
89 2.0 40.2 60.4#

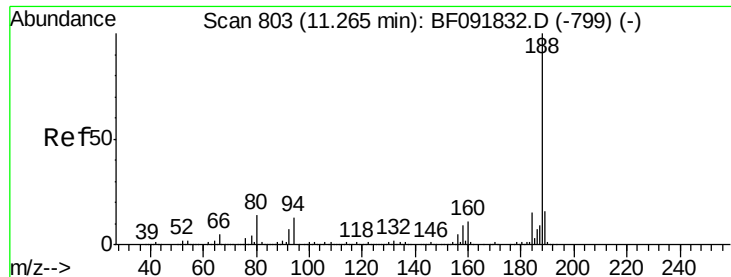


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

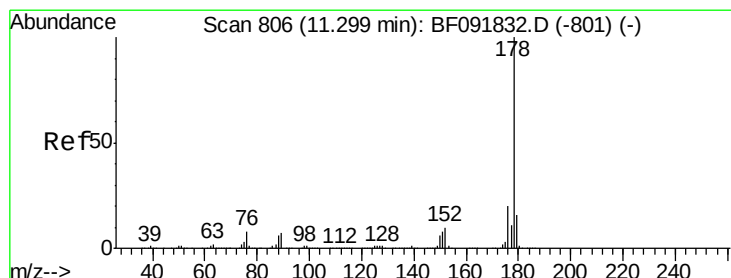
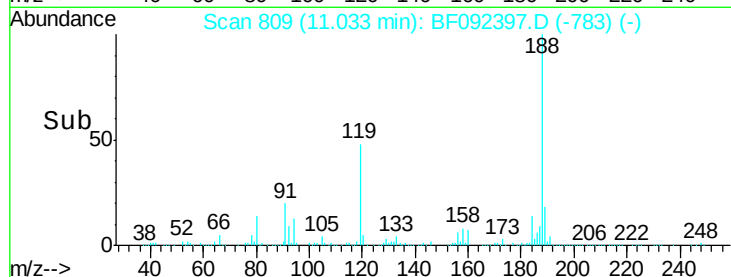
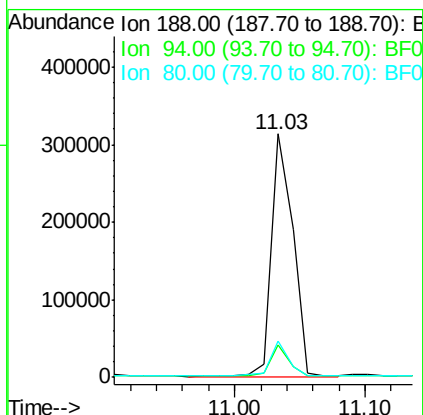
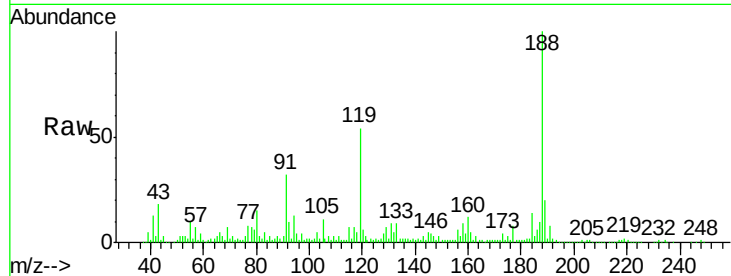




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF092397.D
Acq: 21 Jan 2017 5:02

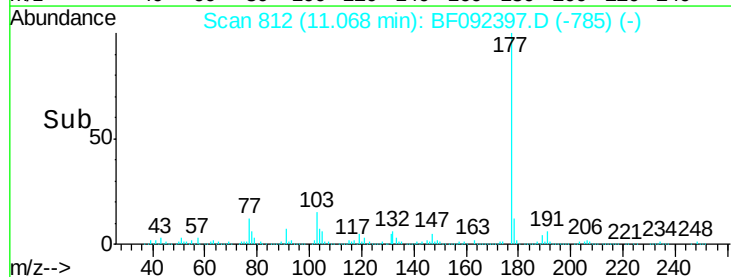
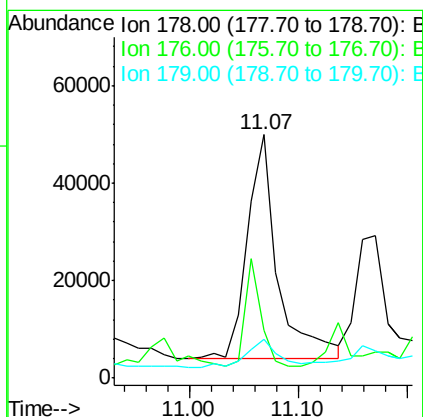
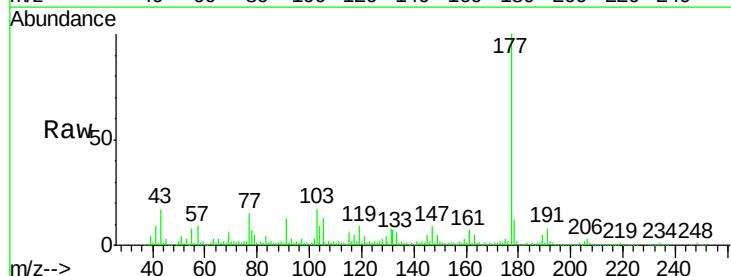
Instrument :
BNA_F
ClientSampleId :
MW-23

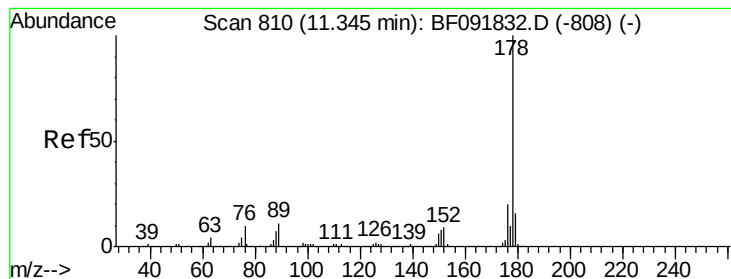
Tgt Ion:188 Resp: 362661
Ion Ratio Lower Upper
188 100
94 13.4 10.0 15.0
80 14.6 11.2 16.8



#70
Phenanthrene
Concen: 4.52 ng
RT: 11.07 min Scan# 812
Delta R.T. 0.01 min
Lab File: BF092397.D
Acq: 21 Jan 2017 5:02

Tgt Ion:178 Resp: 88901
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 15.9 12.8 19.2

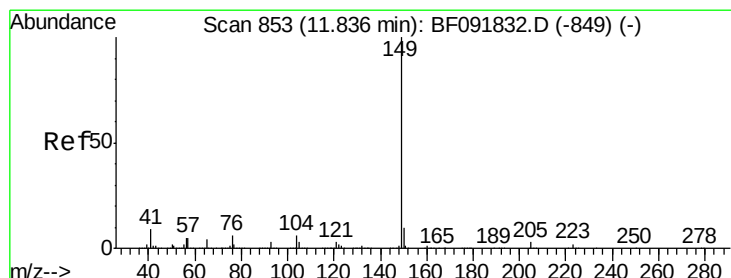
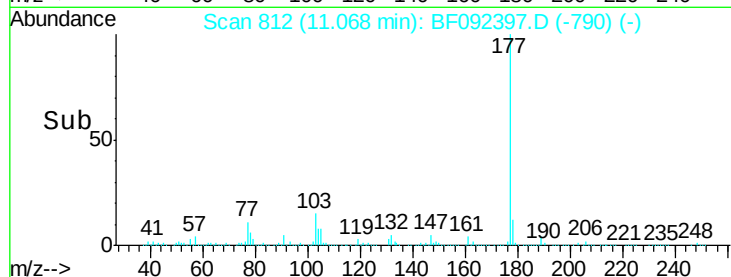
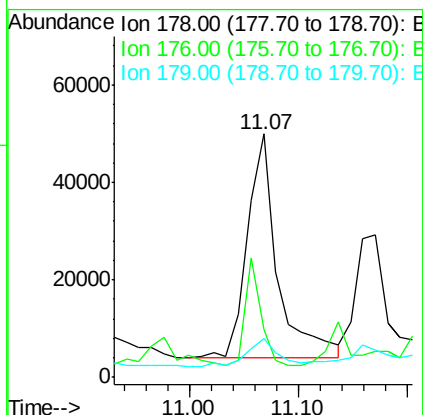
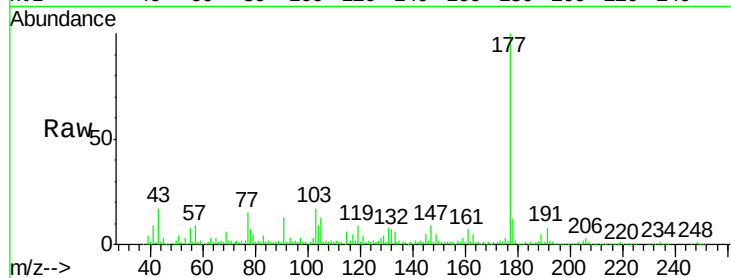




#71
 Anthracene
 Concen: 3.40 ng
 RT: 11.07 min Scan# 812
 Delta R.T. -0.05 min
 Lab File: BF092397.D
 Acq: 21 Jan 2017 5:02

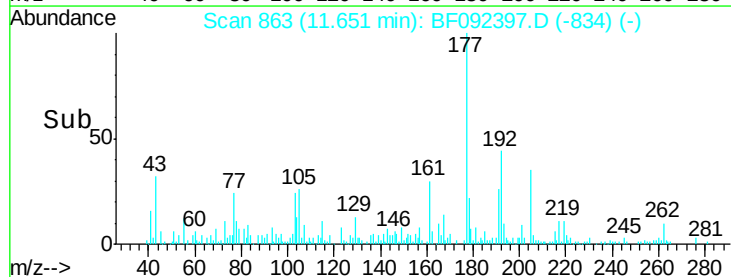
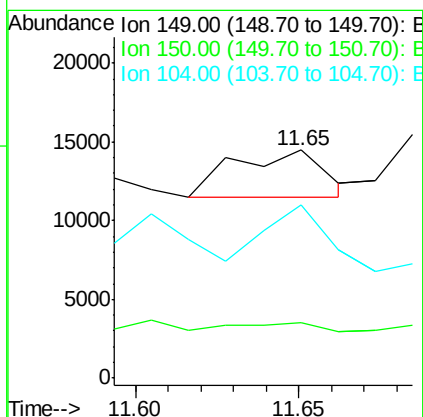
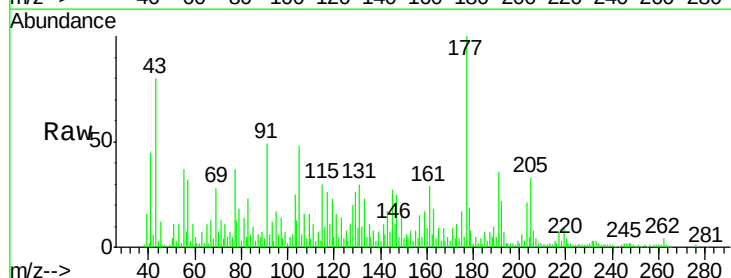
Instrument :
 BNA_F
 ClientSampleId :
 MW-23

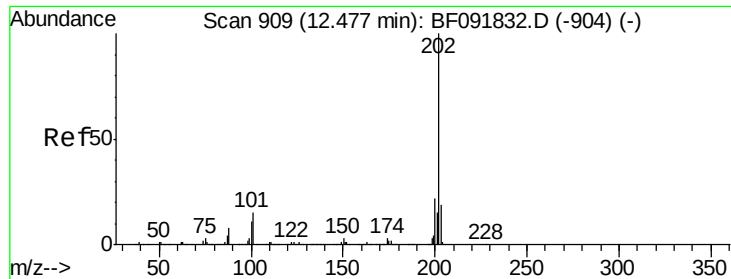
Tgt Ion:178 Resp: 88901
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 15.9 13.2 19.8



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.65 min Scan# 863
 Delta R.T. 0.03 min
 Lab File: BF092397.D
 Acq: 21 Jan 2017 5:02

Tgt Ion:149 Resp: 5634
 Ion Ratio Lower Upper
 149 100
 150 24.3 8.1 12.1#
 104 75.8 4.6 7.0#





#74

Fluoranthene

Concen: Below Cal

RT: 12.26 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

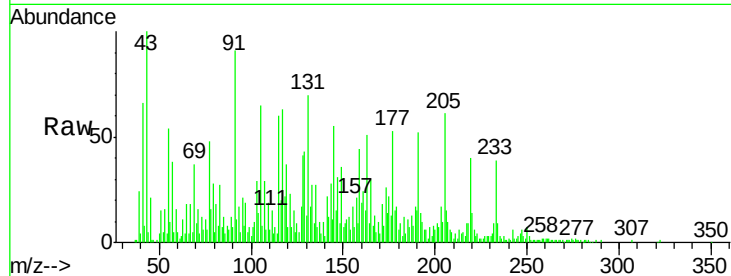
Tgt Ion:202 Resp: 1697

Ion Ratio Lower Upper

202 100

101 92.5 0.0 34.6#

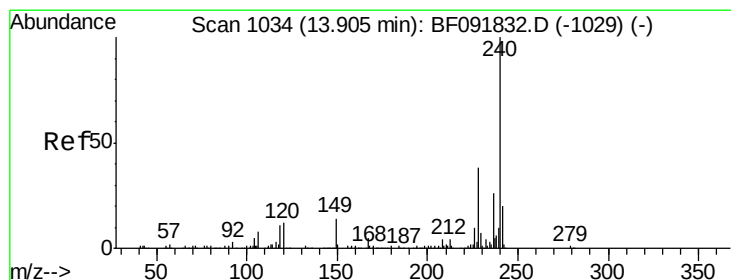
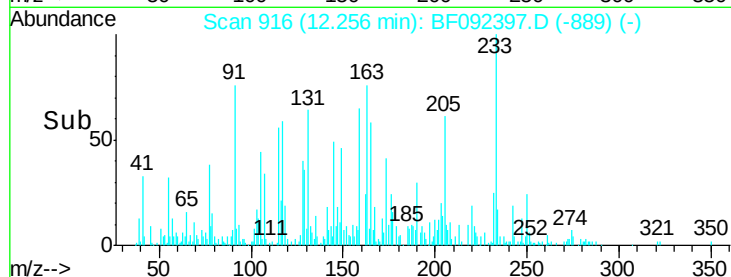
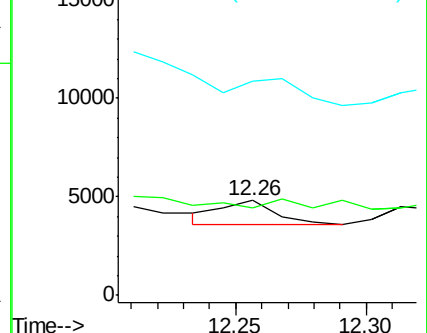
203 225.5 0.0 38.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

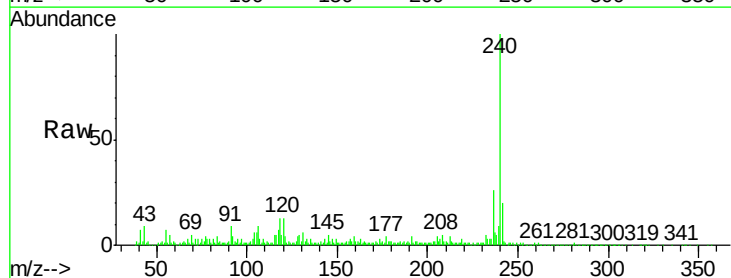
Tgt Ion:240 Resp: 288275

Ion Ratio Lower Upper

240 100

120 13.2 12.9 19.3

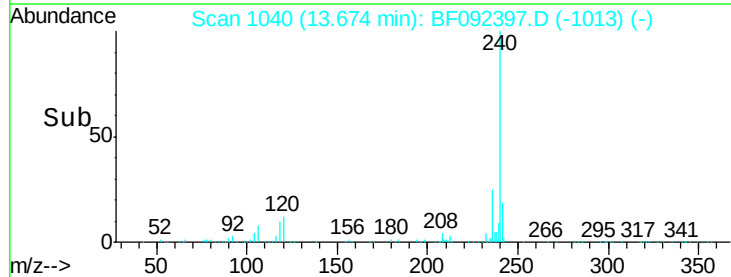
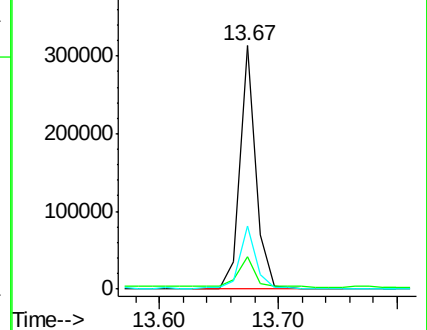
236 25.8 20.9 31.3

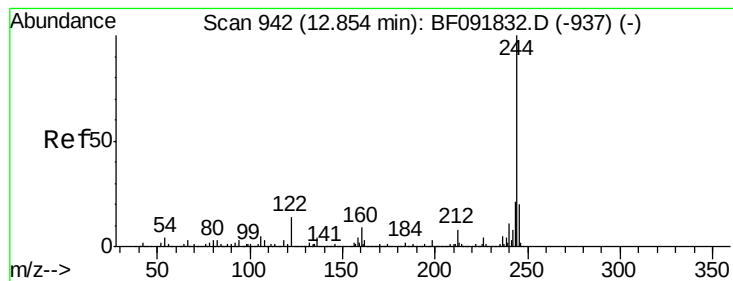


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 99.97 ng

RT: 12.63 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

Instrument :

BNA_F

ClientSampleId :

MW-23

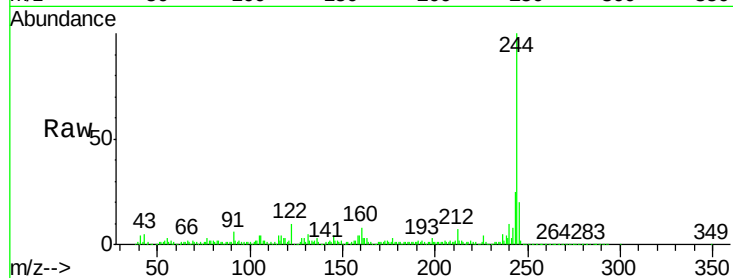
Tgt Ion:244 Resp: 1188282

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

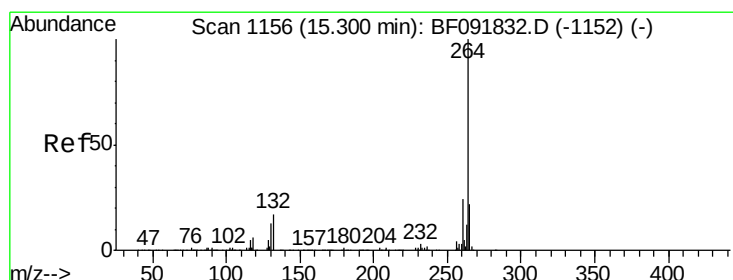
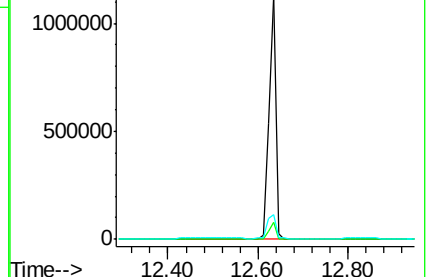
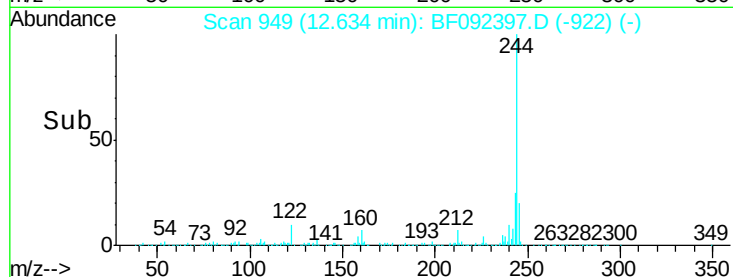
122 10.4 11.4 17.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF092397.D

Acq: 21 Jan 2017 5:02

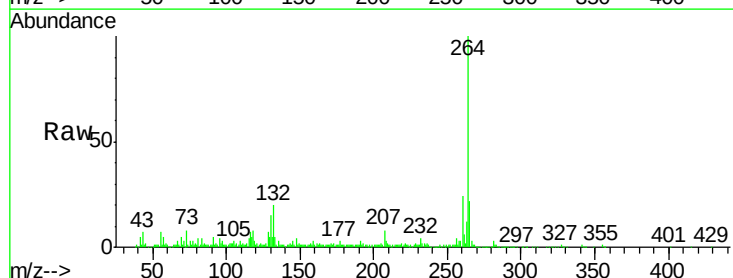
Tgt Ion:264 Resp: 216888

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.4 17.4 26.0



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

