

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093623.D
 Acq On : 13 Mar 2017 22:28
 Operator : SJ/MA
 Sample : I2137-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38D-9-11

Quant Time: Mar 14 01:06:16 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

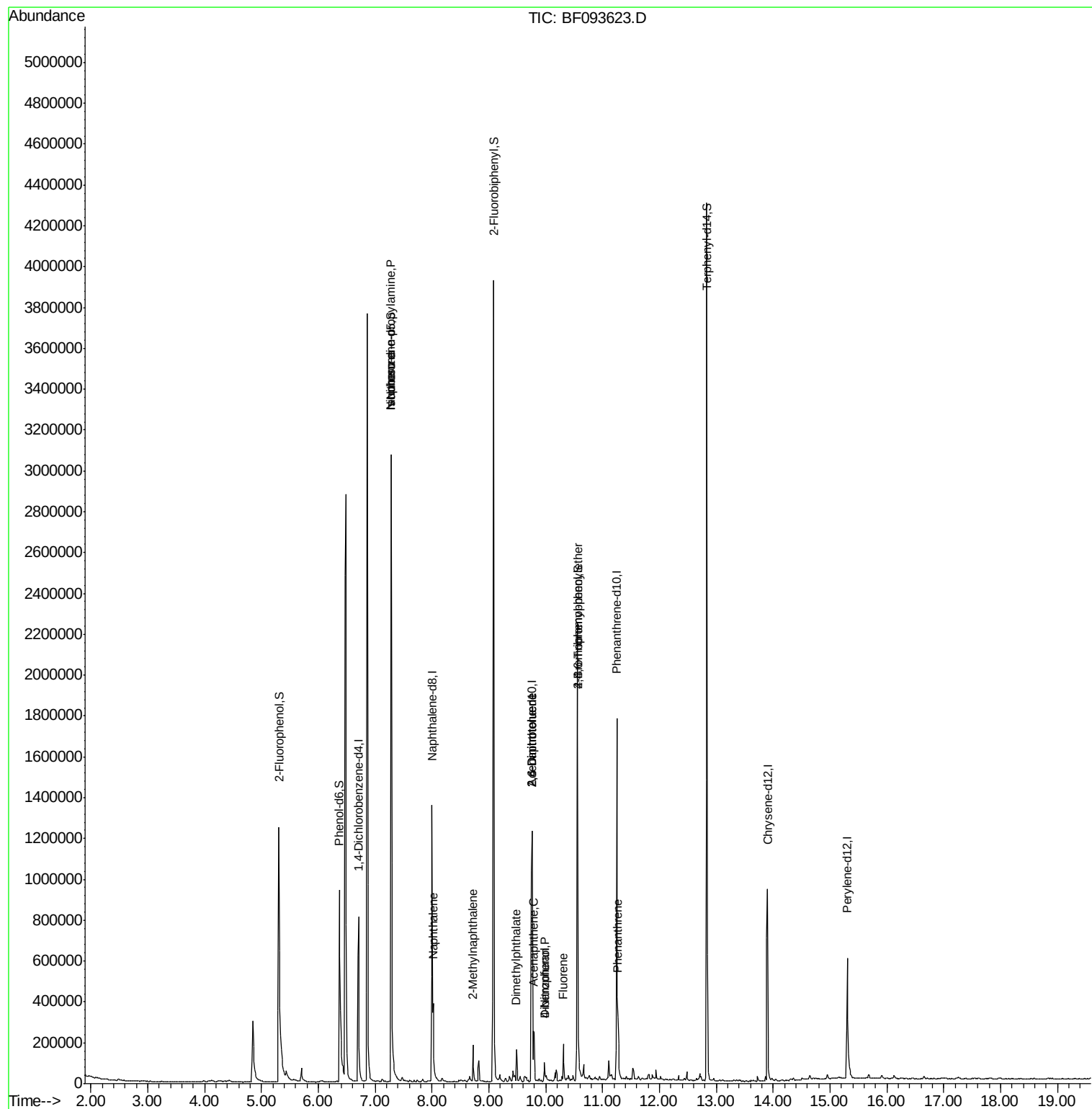
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	177533	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	687602	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	331286	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	647855	20.00	ng	0.00
75) Chrysene-d12	13.90	240	480731	20.00	ng	0.01
86) Perylene-d12	15.31	264	300299	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	644083	60.38	ng	-0.01
7) Phenol-d6	6.37	99	598185	44.47	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1143999	92.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	357341	165.56	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1928901	108.30	ng	0.00
78) Terphenyl-d14	12.84	244	1405240	76.00	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	1397	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	153273	16.57 ng	#	84
25) Isophorone	7.28	82	1104222	44.19 ng	#	65
31) Naphthalene	8.02	128	204238	5.93 ng		98
37) 2-Methylnaphthalene	8.72	142	55052	2.51 ng		98
49) Dimethylphthalate	9.49	163	68235	3.11 ng		99
50) 2,6-Dinitrotoluene	9.76	165	43484	9.02 ng	#	32
51) Acenaphthene	9.80	154	84074	4.67 ng		99
54) Dibenzofuran	9.98	168	52413	2.32 ng		95
55) 4-Nitrophenol	9.98	139	19756	7.03 ng	#	5
56) 2,4-Dinitrotoluene	9.76	165	43484	7.34 ng	#	20
57) Fluorene	10.31	166	63283	3.31 ng		96
66) 4-Bromophenyl-phenylether	10.56	248	25476	3.72 ng	#	1
70) Phenanthrene	11.27	178	130167	3.52 ng		96

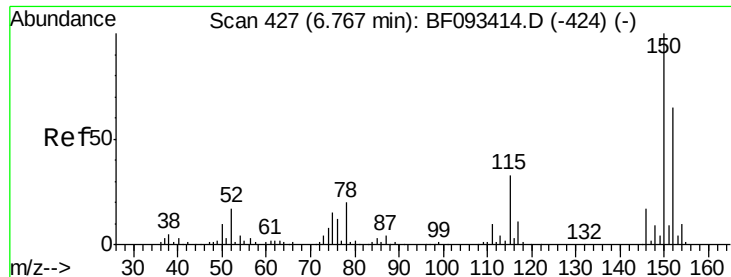
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

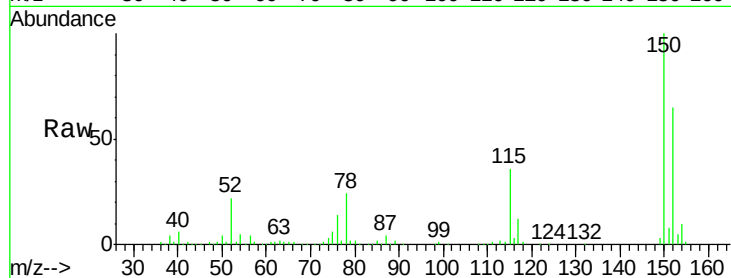
Tgt Ion:152 Resp: 177533

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

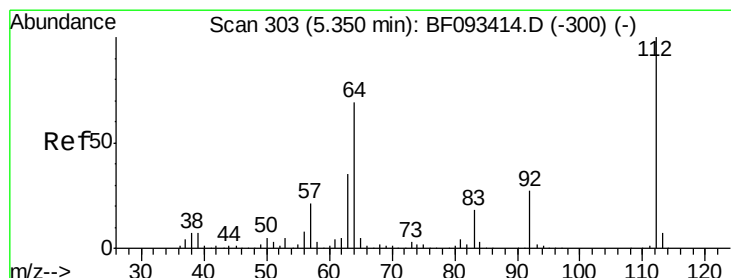
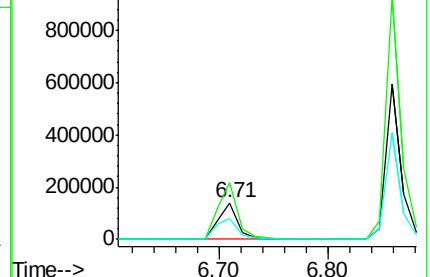
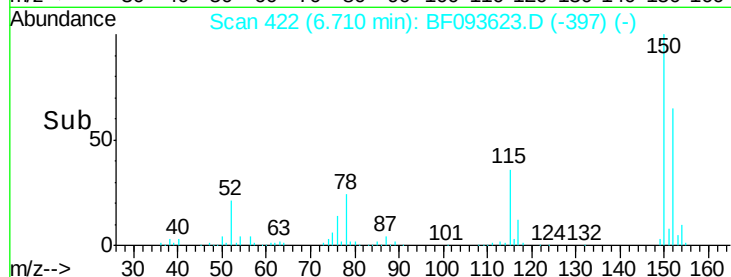
115 55.8 46.0 69.0



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: 60.38 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

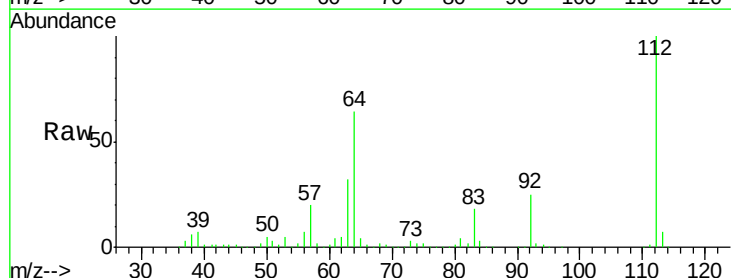
Tgt Ion:112 Resp: 644083

Ion Ratio Lower Upper

112 100

64 63.9 46.1 69.1

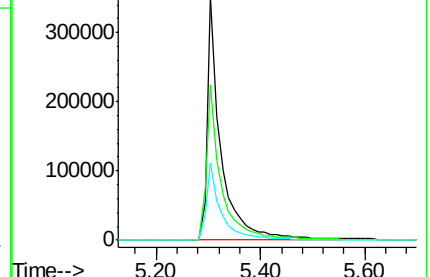
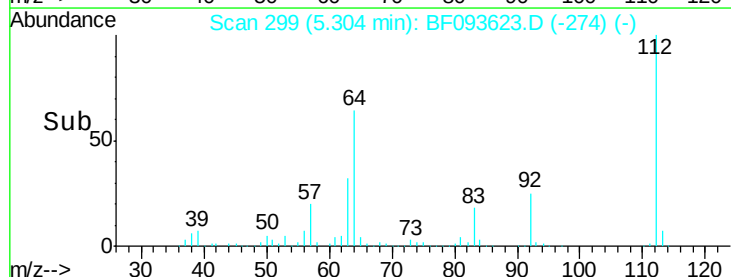
63 31.5 23.8 35.6

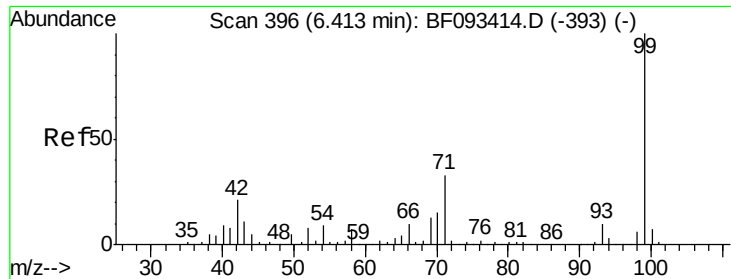


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.47 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

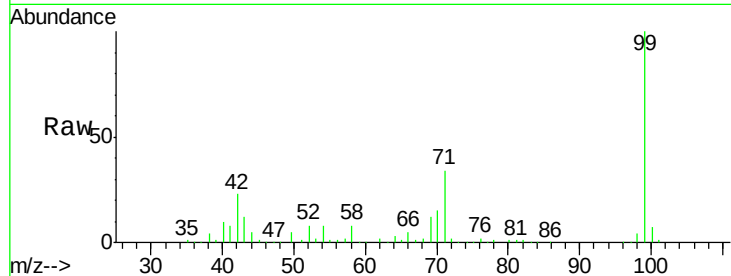
Tgt Ion: 99 Resp: 598185

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

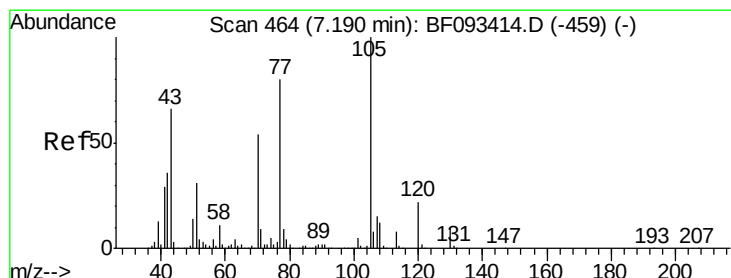
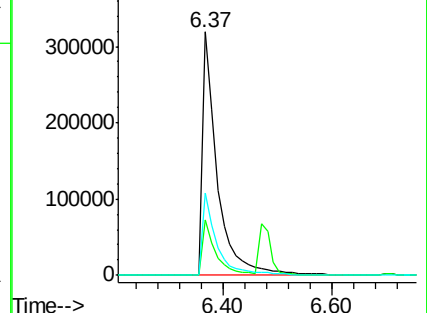
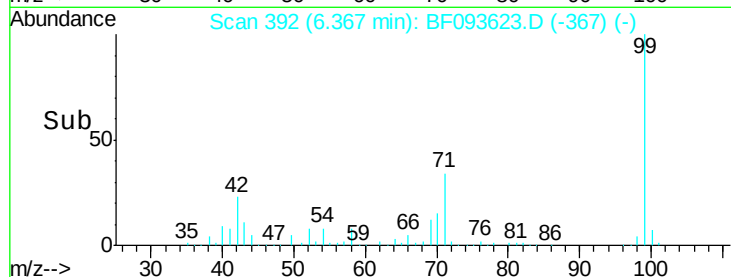
71 33.9 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.57 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Tgt Ion: 70 Resp: 153273

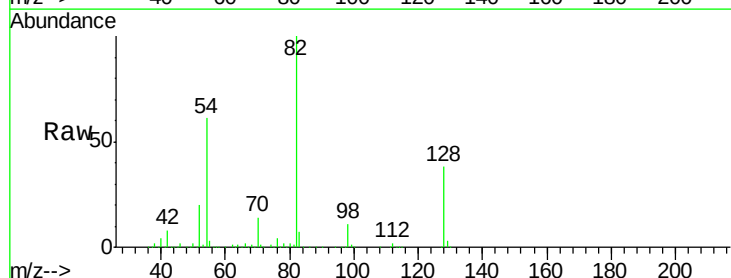
Ion Ratio Lower Upper

70 100

42 54.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

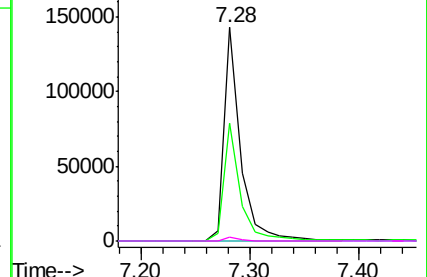
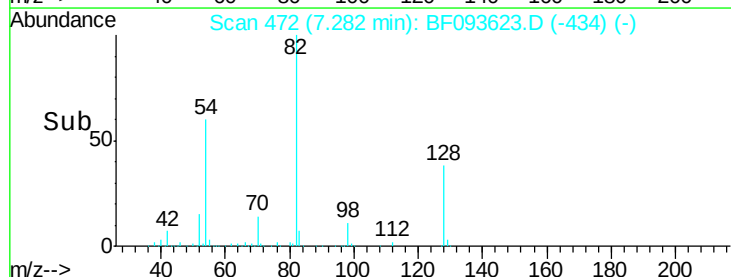


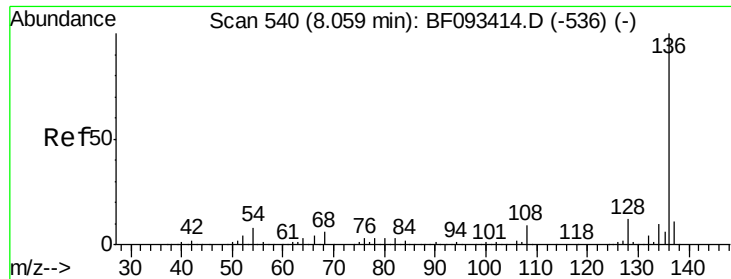
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

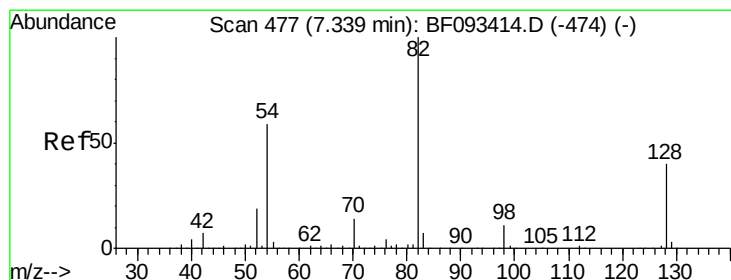
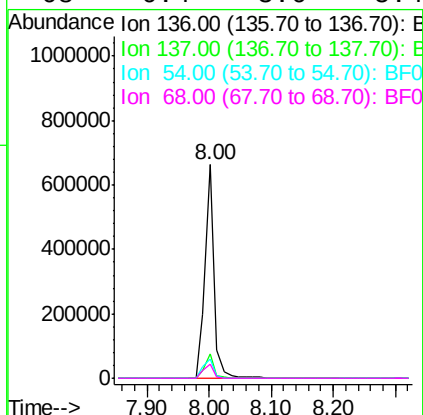
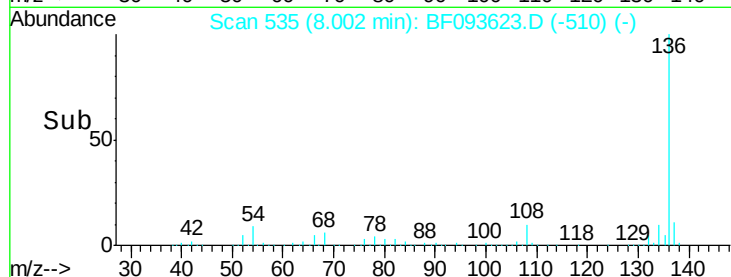
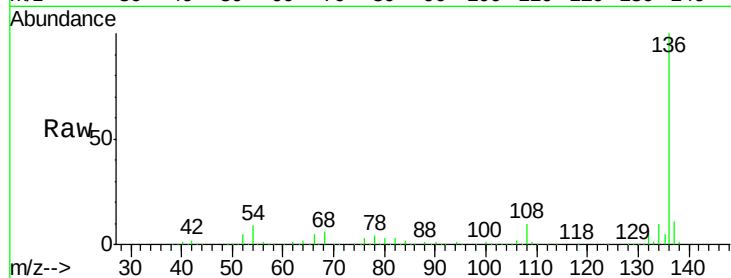




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

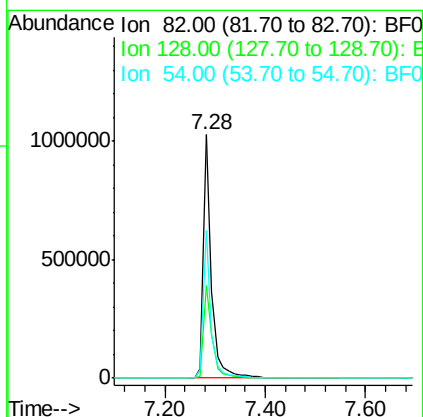
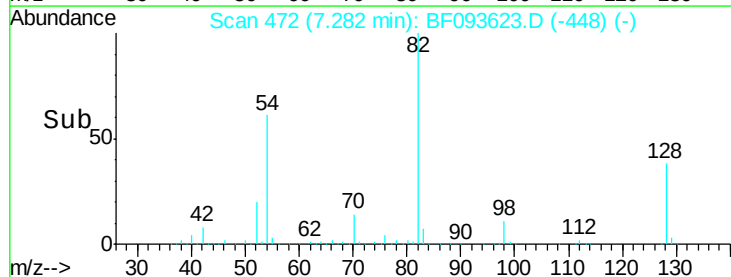
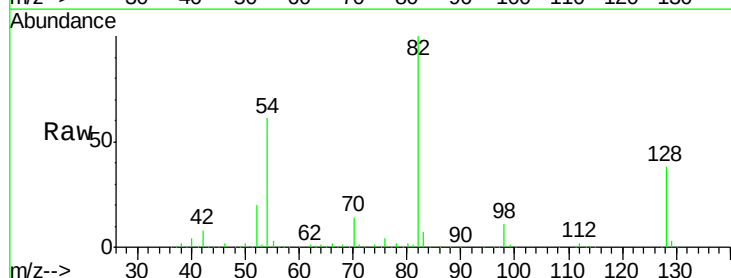
Instrument :
BNA_F
ClientSampleId :
38D-9-11

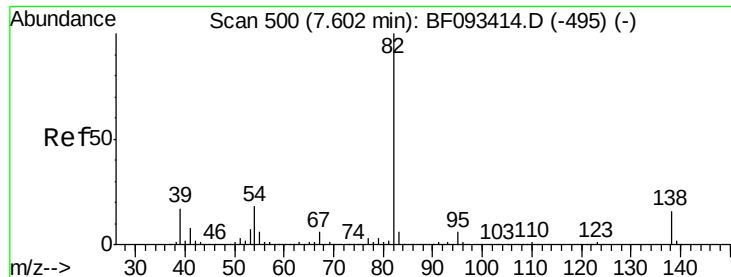
Tgt Ion:	136	Resp:	687602
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.1	4.5	6.7#
68	6.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 92.31 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Tgt Ion:	82	Resp:	1143999
Ion	Ratio	Lower	Upper
82	100		
128	37.8	34.6	52.0
54	60.7	39.5	59.3#





#25

Isophorone

Concen: 44.19 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

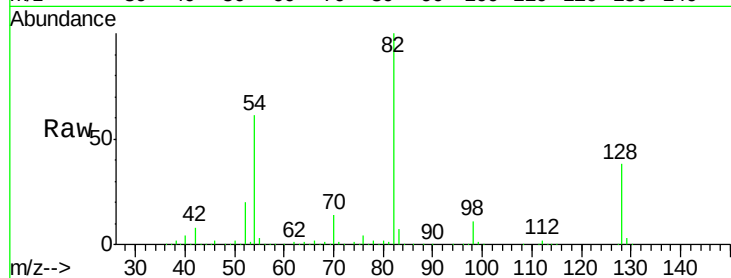
Tgt Ion: 82 Resp: 1104222

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

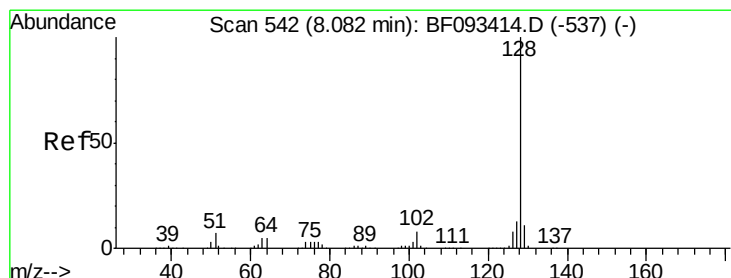
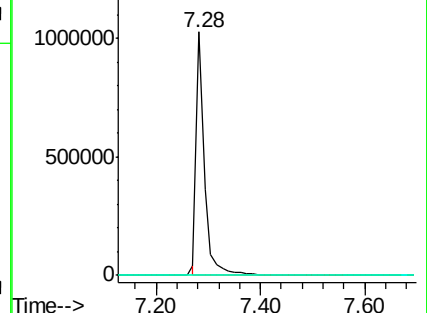
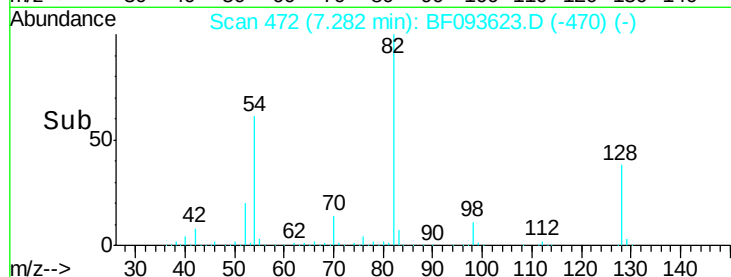
138 0.0 14.6 22.0#



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): BF0



#31

Naphthalene

Concen: 5.93 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

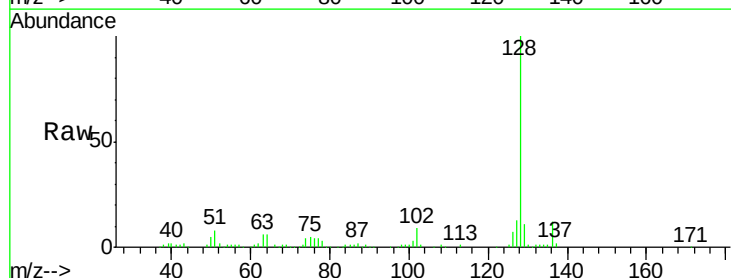
Tgt Ion: 128 Resp: 204238

Ion Ratio Lower Upper

128 100

129 10.8 9.5 14.3

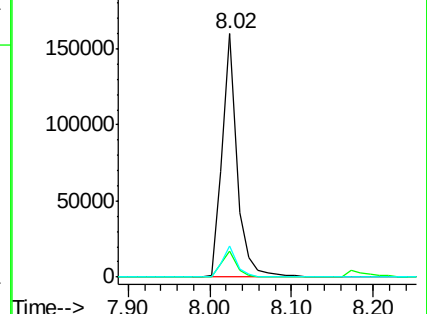
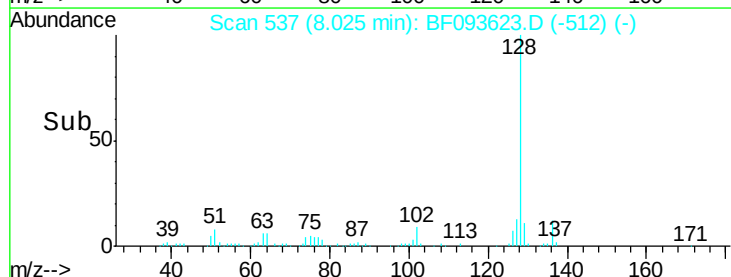
127 12.9 10.8 16.2

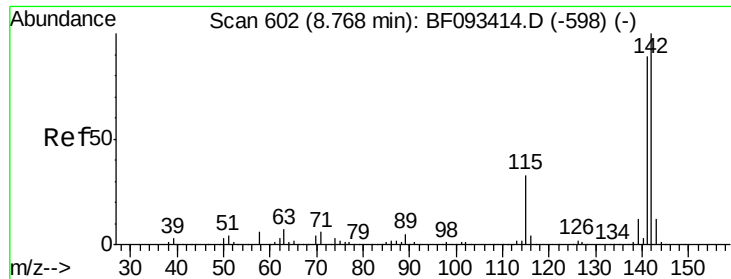


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

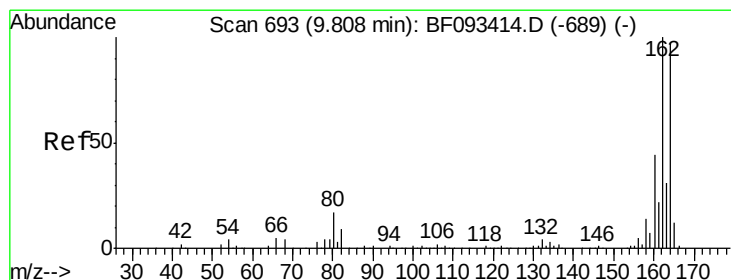
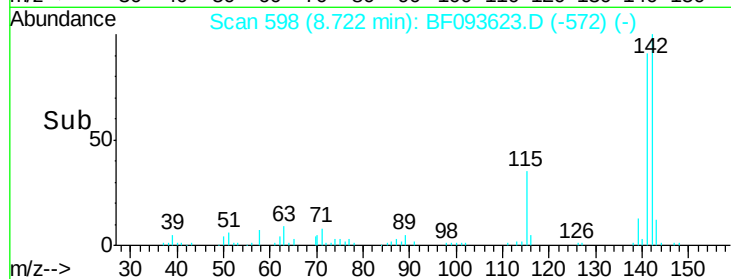
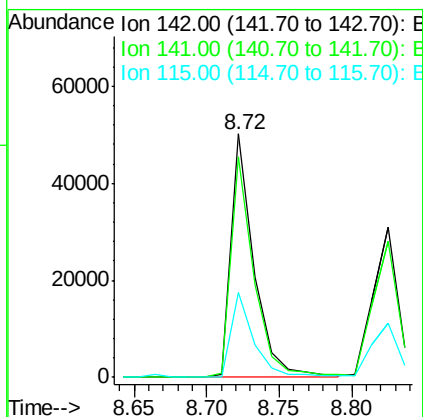
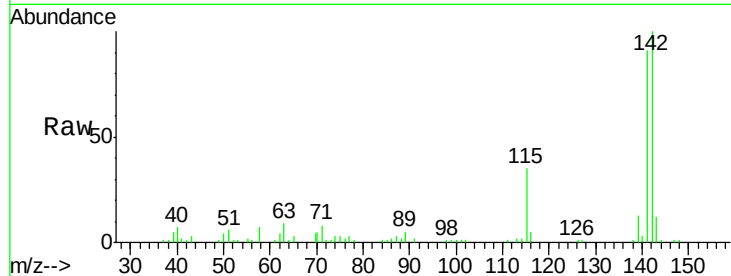




#37
 2-Methylnaphthalene
 Concen: 2.51 ng
 RT: 8.72 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF093623.D
 Acq: 13 Mar 2017 22:28

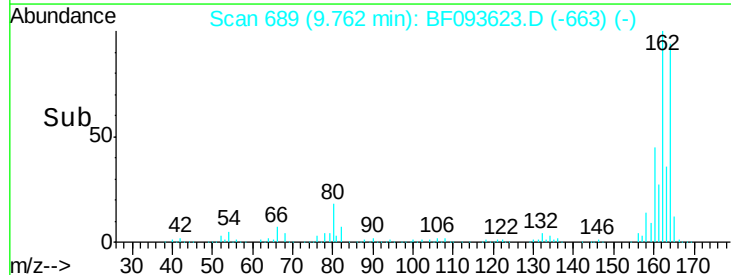
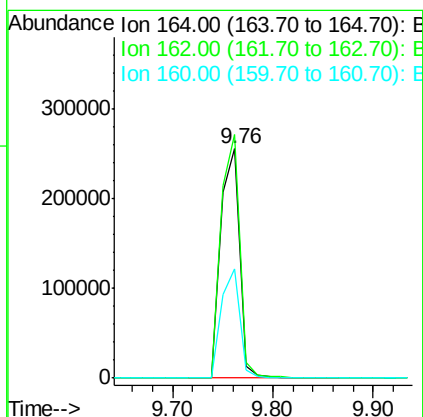
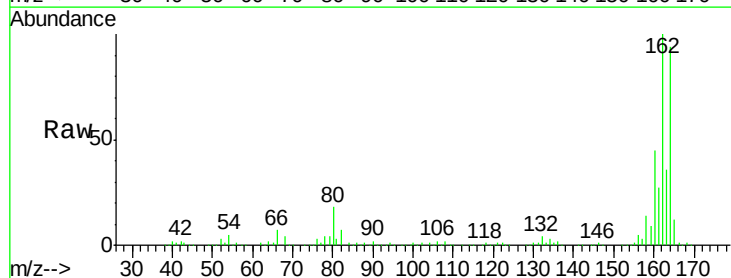
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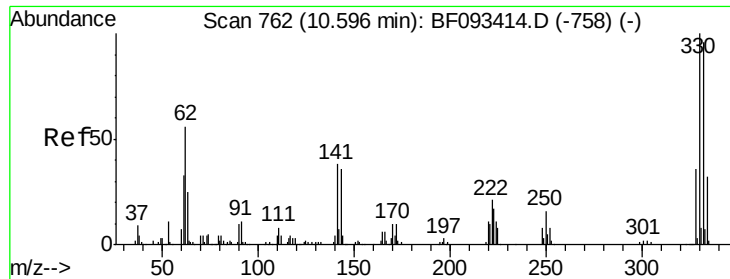
Tgt Ion:142 Resp: 55052
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.0 106.6
 115 34.9 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF093623.D
 Acq: 13 Mar 2017 22:28

Tgt Ion:164 Resp: 331286
 Ion Ratio Lower Upper
 164 100
 162 106.2 80.2 120.2
 160 47.4 36.9 55.3

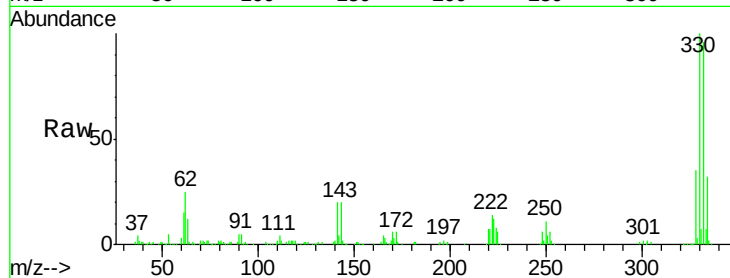




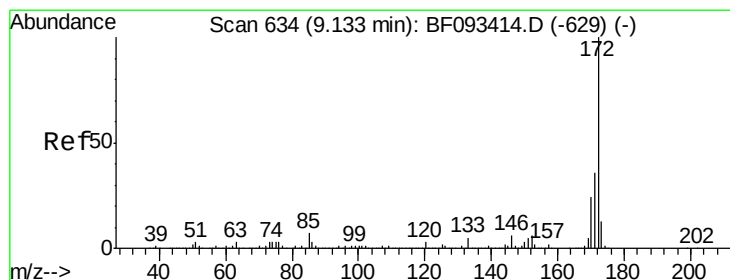
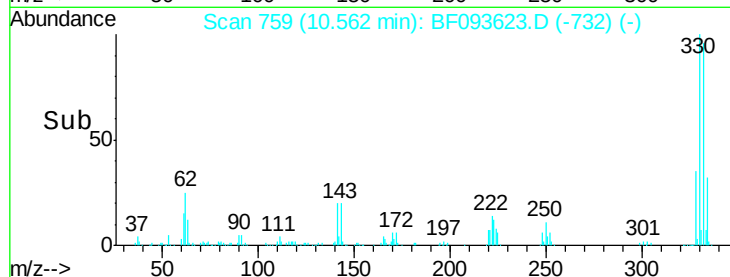
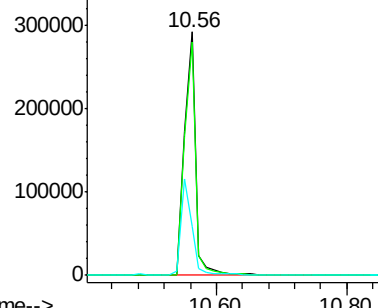
#41
 2,4,6-Tribromophenol
 Concen: 165.56 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093623.D
 Acq: 13 Mar 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :
 38D-9-11

Tgt Ion:330 Resp: 357341
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 39.1 34.1 51.1

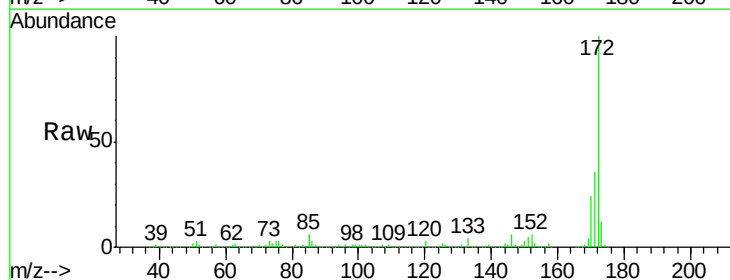


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

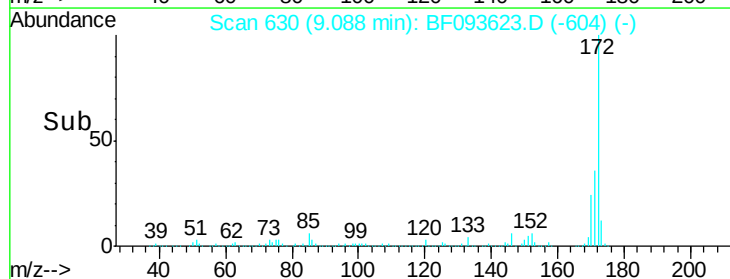
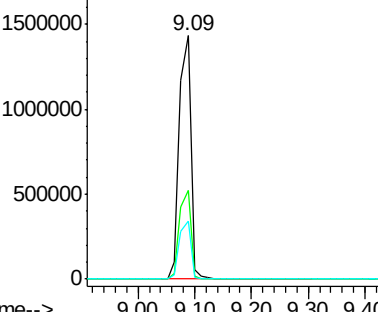


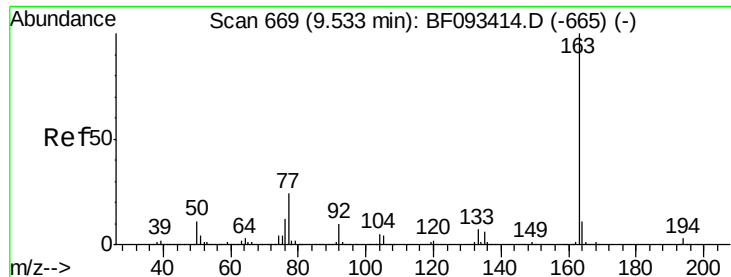
#44
 2-Fluorobiphenyl
 Concen: 108.30 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093623.D
 Acq: 13 Mar 2017 22:28

Tgt Ion:172 Resp: 1928901
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.0 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





#49

Dimethylphthalate

Concen: 3.11 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

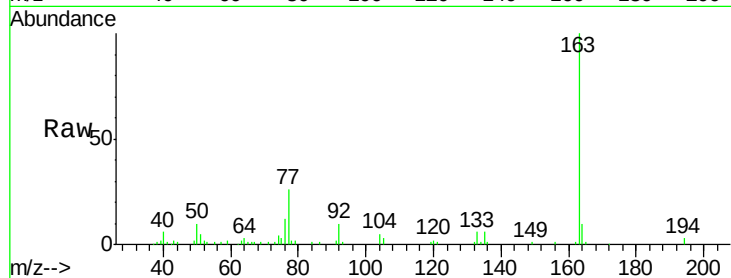
Tgt Ion:163 Resp: 68235

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

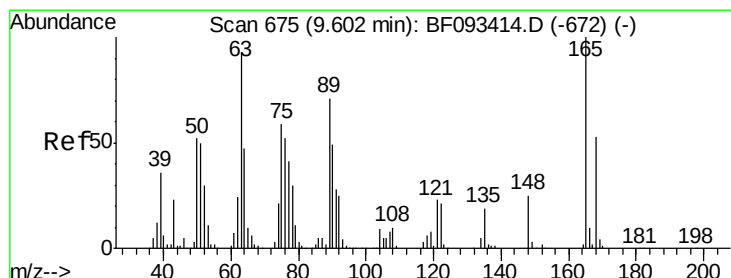
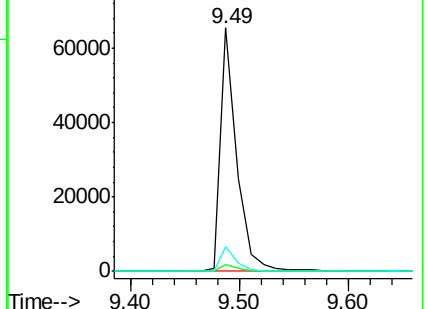
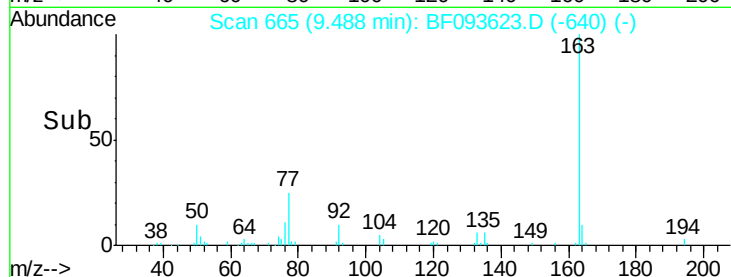
164 10.1 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.02 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

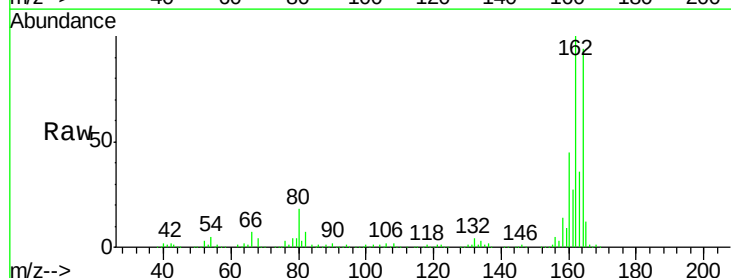
Tgt Ion:165 Resp: 43484

Ion Ratio Lower Upper

165 100

63 1.7 36.2 54.4#

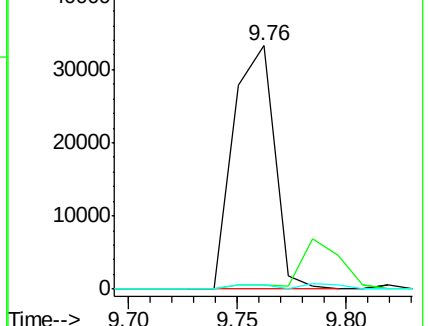
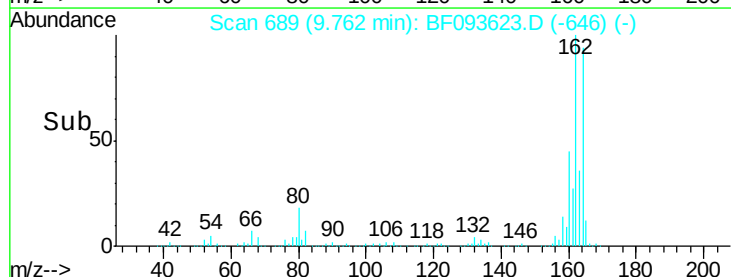
89 1.7 40.2 60.4#

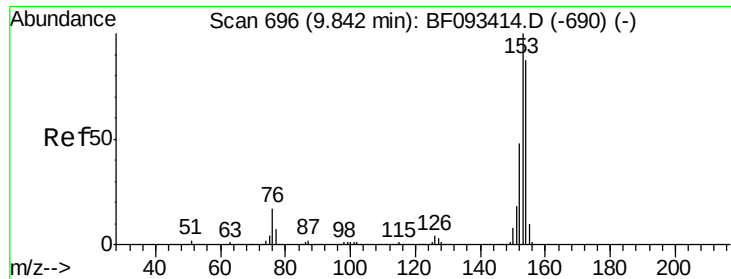


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.67 ng

RT: 9.80 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

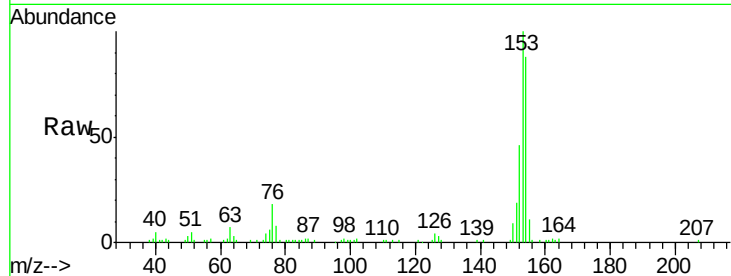
Tgt Ion:154 Resp: 84074

Ion Ratio Lower Upper

154 100

153 113.0 88.6 133.0

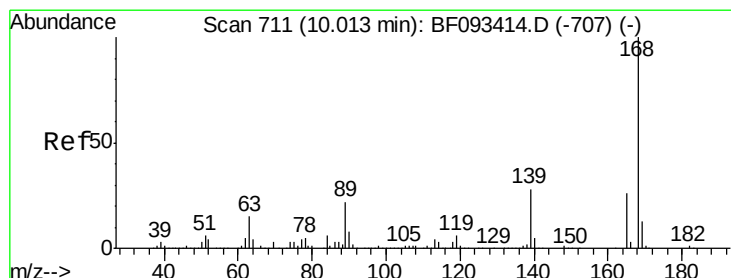
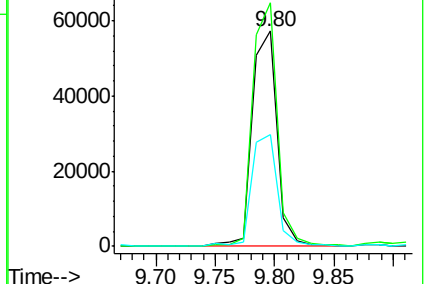
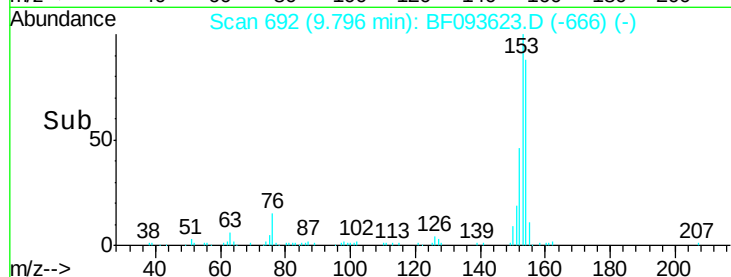
152 52.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.32 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

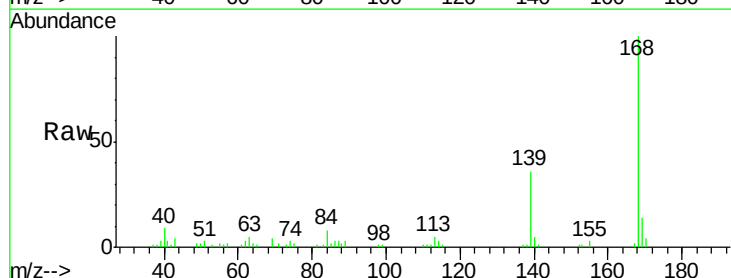
Tgt Ion:168 Resp: 52413

Ion Ratio Lower Upper

168 100

139 36.3 32.6 49.0

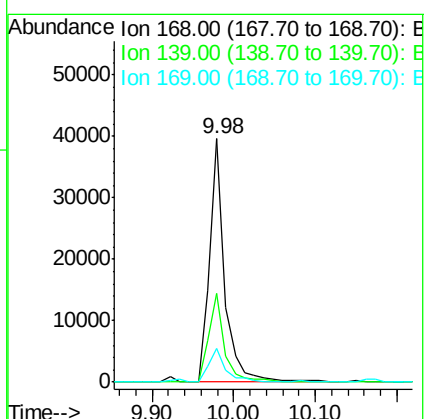
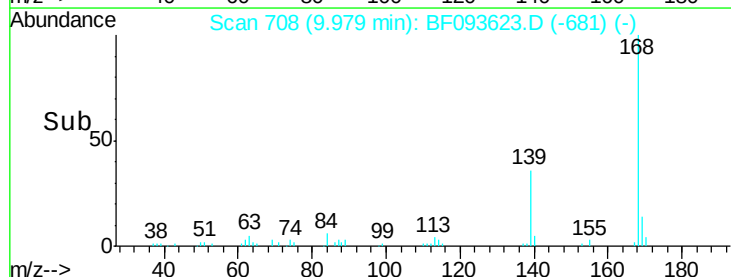
169 13.9 11.3 16.9

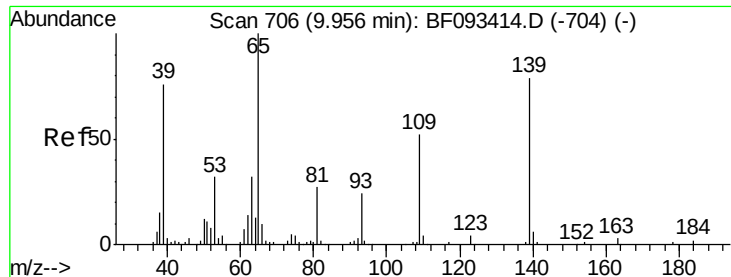


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

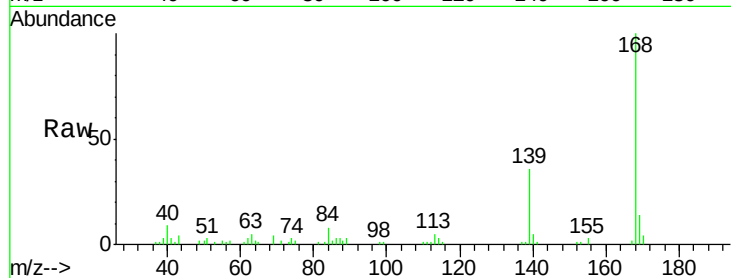




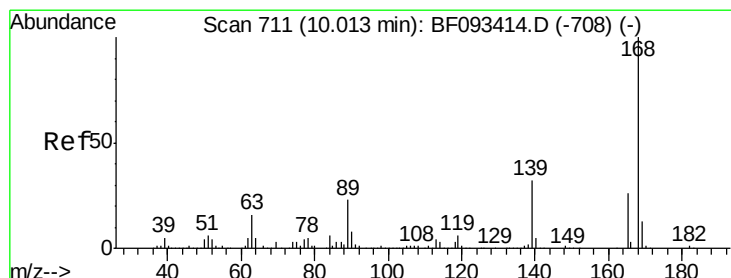
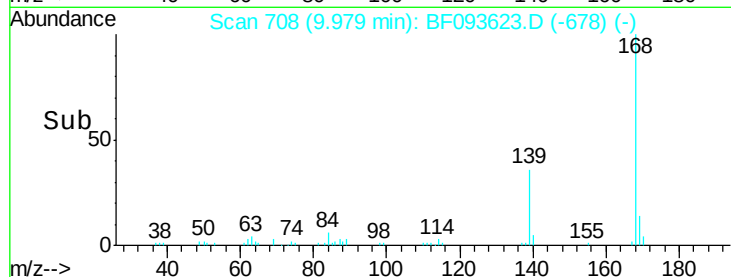
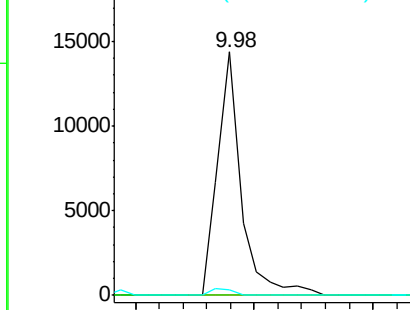
#55
4-Nitrophenol
Concen: 7.03 ng
RT: 9.98 min Scan# 708
Delta R.T. 0.05 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Instrument :
BNA_F
ClientSampleId :
38D-9-11

Tgt Ion:139 Resp: 19756
Ion Ratio Lower Upper
139 100
109 0.0 52.2 92.2#
65 2.3 85.8 125.8#

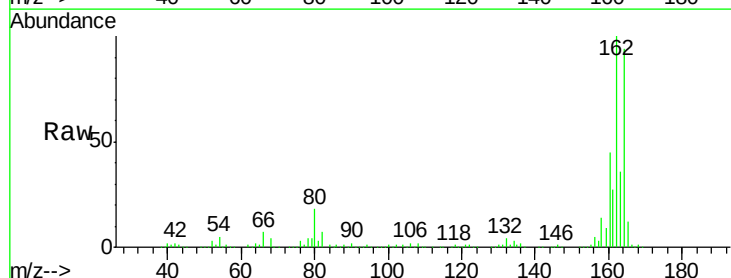


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

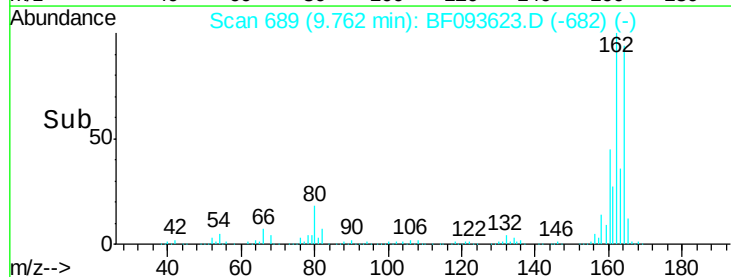
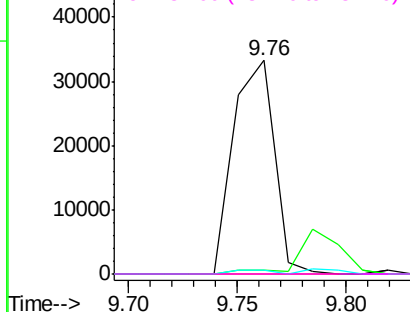


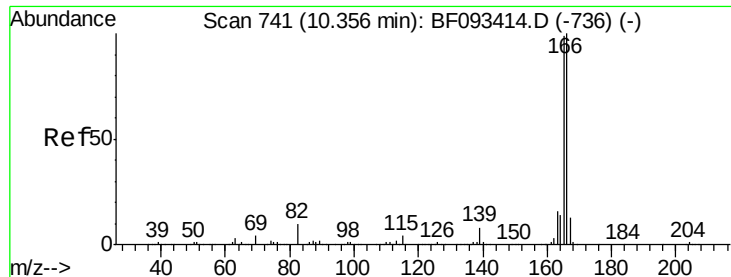
#56
2,4-Dinitrotoluene
Concen: 7.34 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.22 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Tgt Ion:165 Resp: 43484
Ion Ratio Lower Upper
165 100
63 1.7 40.2 60.4#
89 1.7 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

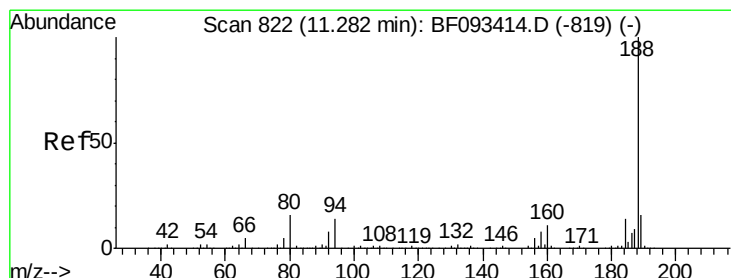
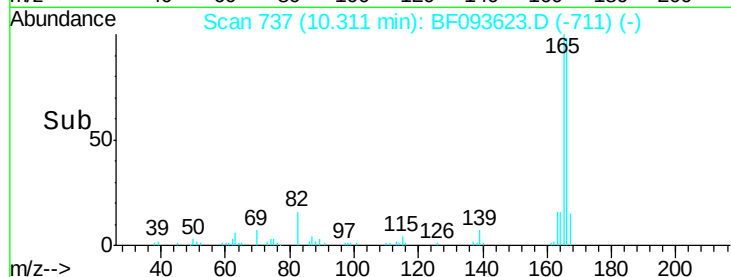
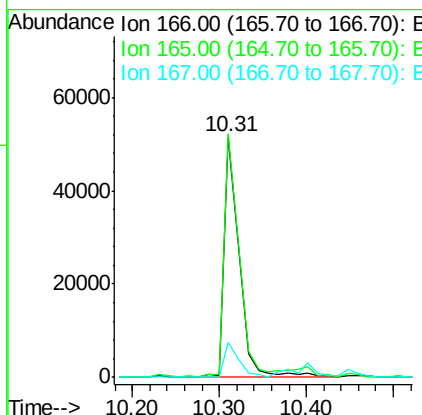
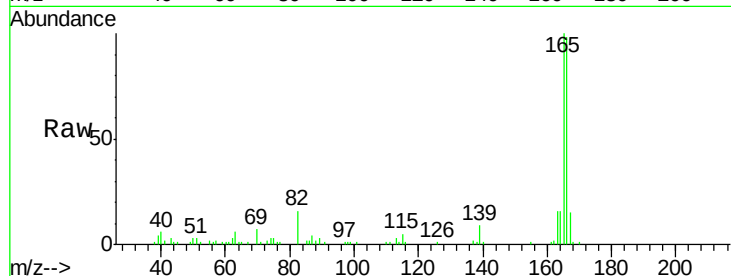




#57
Fluorene
Concen: 3.31 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

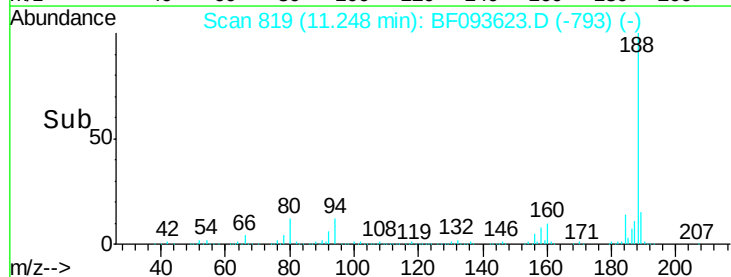
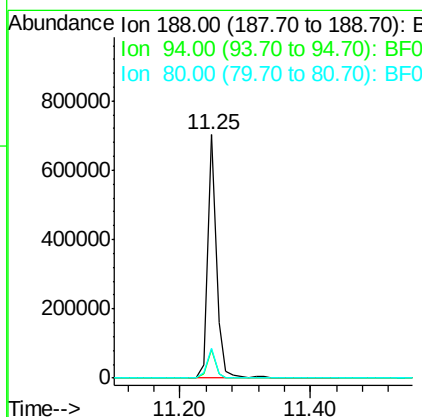
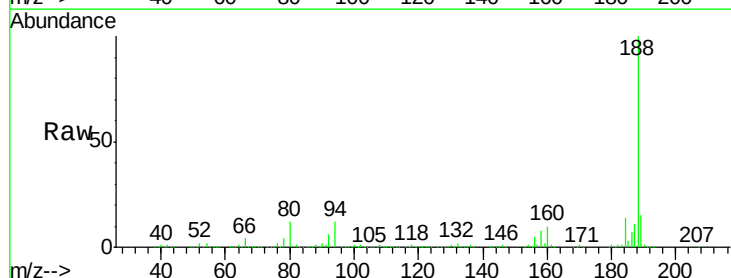
Instrument :
BNA_F
ClientSampleId :
38D-9-11

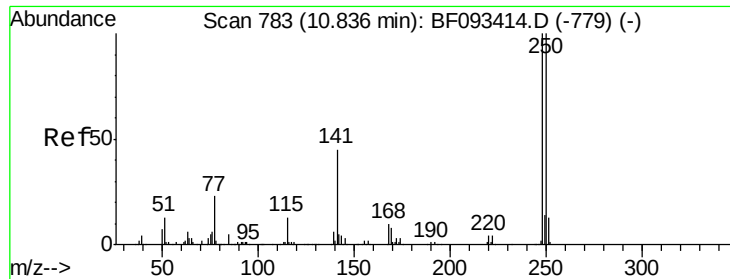
Tgt Ion:166 Resp: 63283
Ion Ratio Lower Upper
166 100
165 101.5 77.8 116.8
167 14.7 10.8 16.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Tgt Ion:188 Resp: 647855
Ion Ratio Lower Upper
188 100
94 11.5 10.0 15.0
80 12.1 11.2 16.8

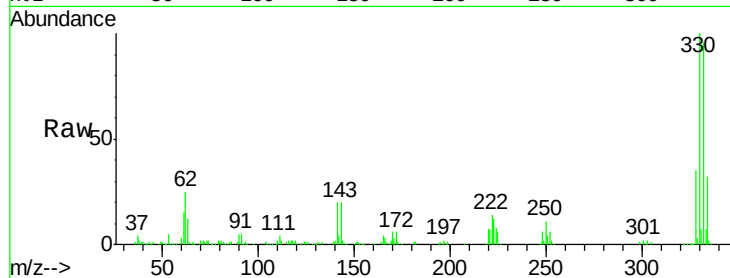




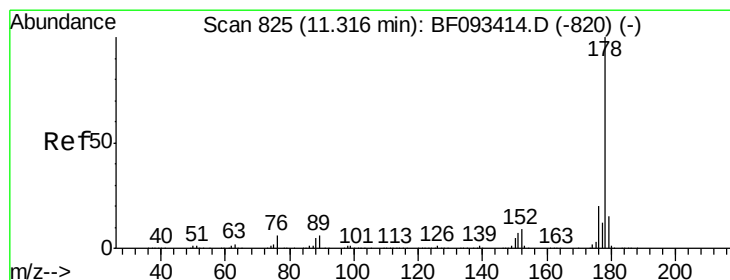
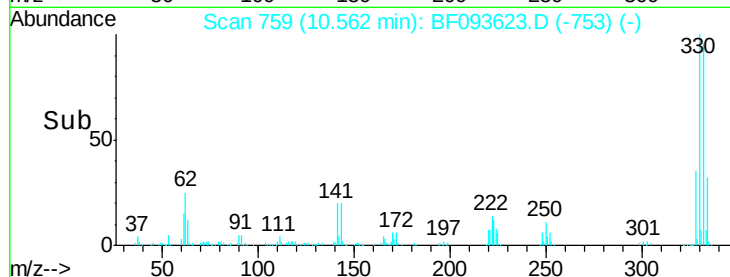
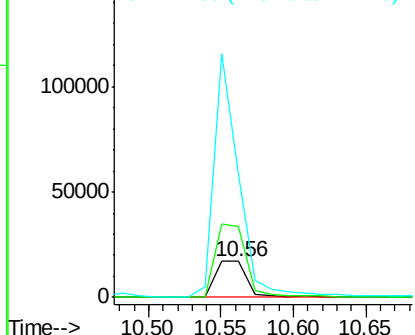
#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.56 min Scan# 759
Delta R.T. -0.23 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Instrument :
BNA_F
ClientSampleId :
38D-9-11

Tgt Ion:248 Resp: 25476
Ion Ratio Lower Upper
248 100
250 196.0 76.9 115.3#
141 341.7 68.2 102.4#

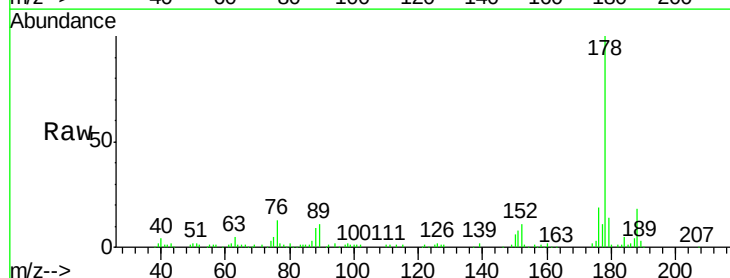


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

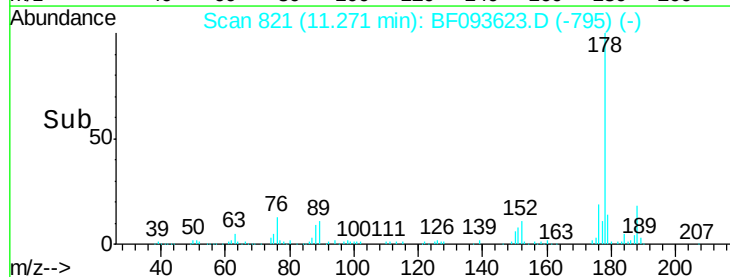
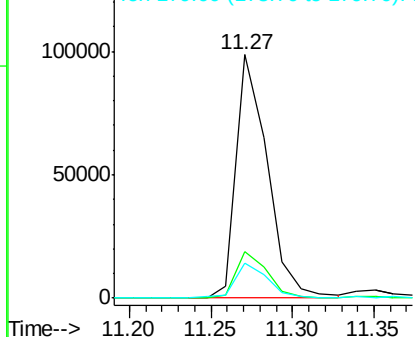


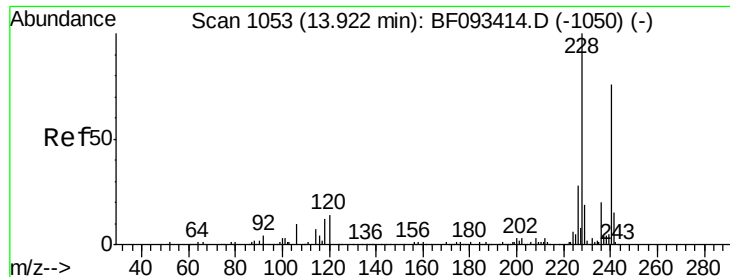
#70
Phenanthrene
Concen: 3.52 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Tgt Ion:178 Resp: 130167
Ion Ratio Lower Upper
178 100
176 18.9 16.6 25.0
179 14.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

Instrument :

BNA_F

ClientSampleId :

38D-9-11

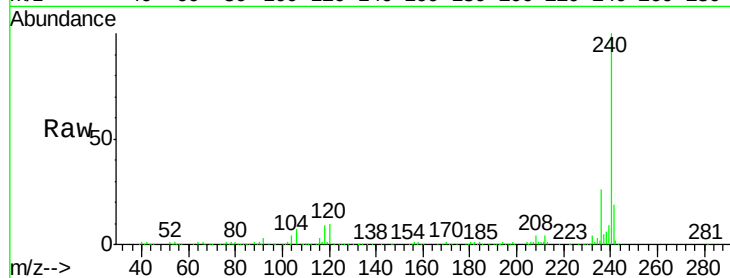
Tgt Ion:240 Resp: 480731

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

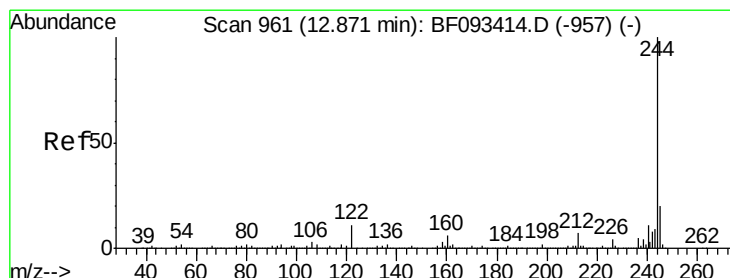
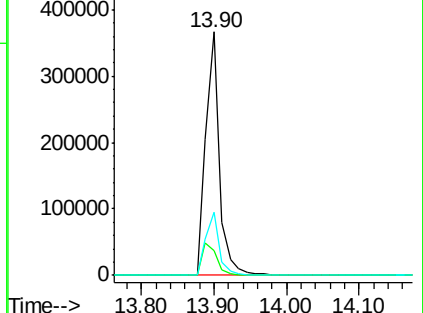
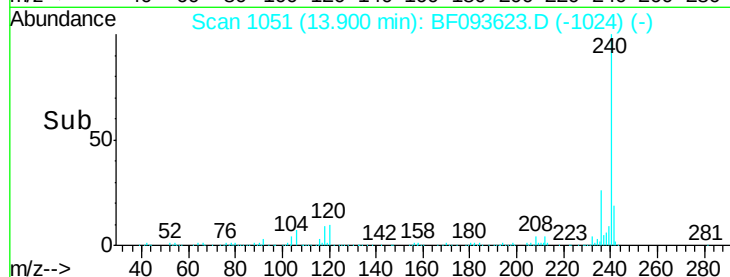
236 25.8 20.9 31.3



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: 76.00 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093623.D

Acq: 13 Mar 2017 22:28

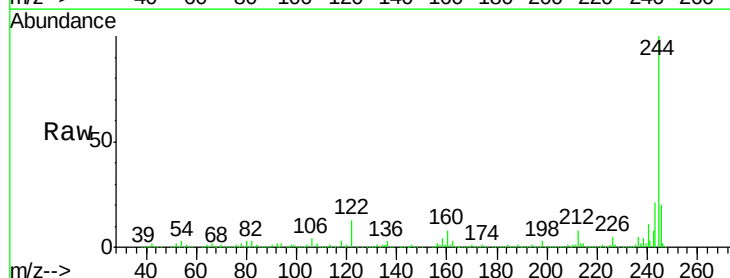
Tgt Ion:244 Resp: 1405240

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

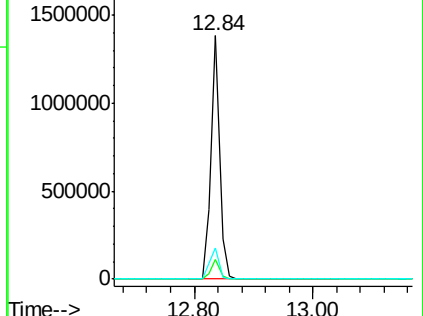
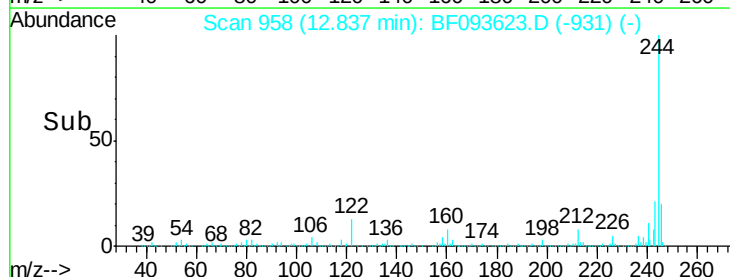
122 12.7 11.4 17.2

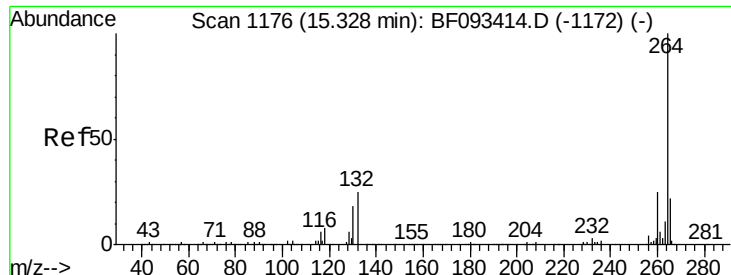


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093623.D
Acq: 13 Mar 2017 22:28

Instrument :
BNA_F
ClientSampleId :
38D-9-11

Tgt Ion: 264 Resp: 300299
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 21.5 17.4 26.0

