

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\
 Data File : BF094176.D
 Acq On : 4 Apr 2017 19:26
 Operator : SJ/MA
 Sample : I2516-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Quant Time: Apr 05 00:58:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

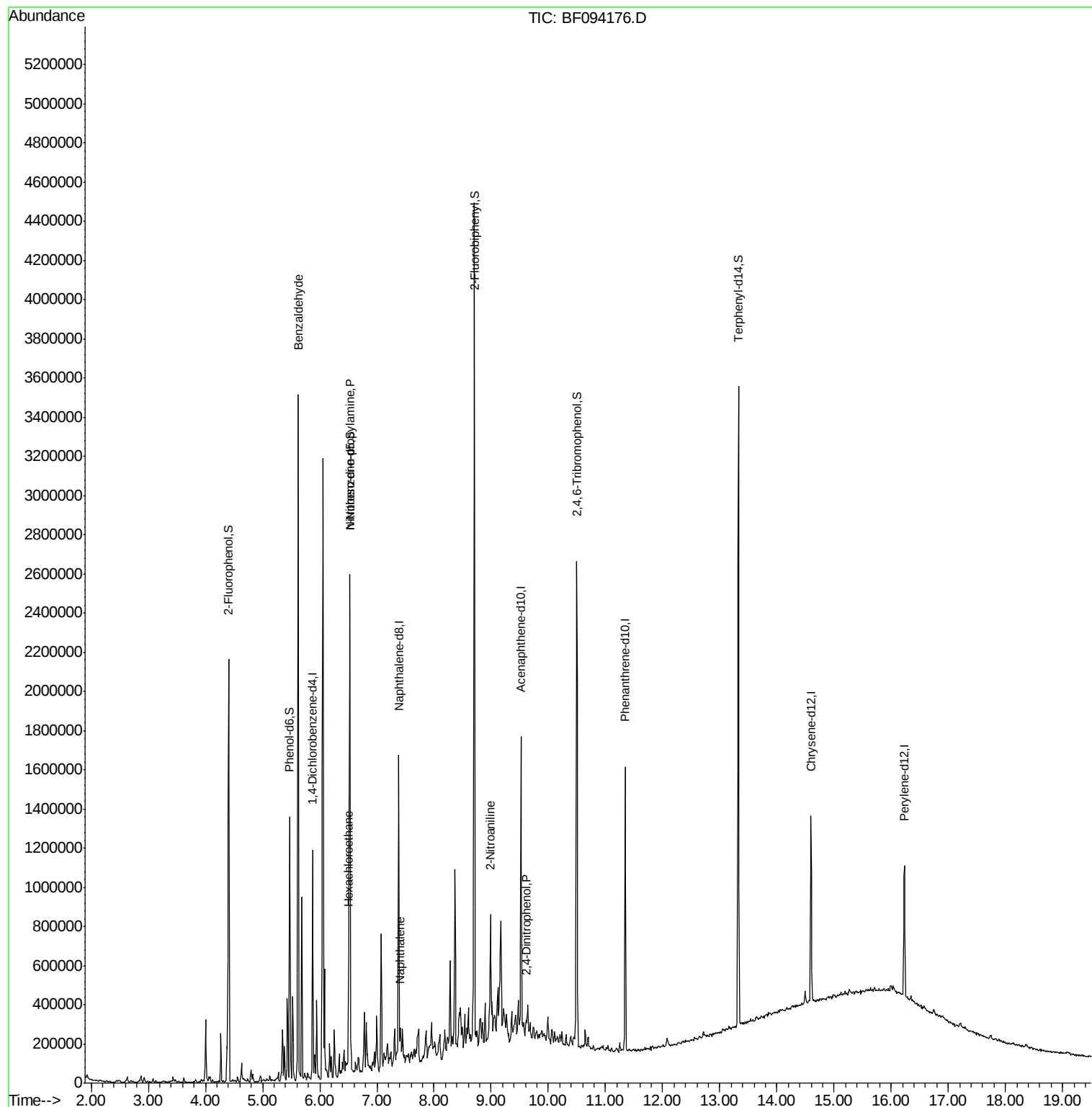
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	176640	20.00	ng	-0.03
21) Naphthalene-d8	7.38	136	722621	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	326123	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	567574	20.00	ng	-0.03
75) Chrysene-d12	14.60	240	368991	20.00	ng	-0.03
86) Perylene-d12	16.23	264	282976	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	603784	57.73	ng	-0.03
7) Phenol-d6	5.47	99	504819	39.02	ng	-0.04
23) Nitrobenzene-d5	6.53	82	1045242	82.55	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	366823	142.34	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	1840250	86.07	ng	-0.02
78) Terphenyl-d14	13.33	244	1341986	81.52	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	5.62	77	23408	2.68	ng	86
18) Hexachloroethane	6.50	117	26691	5.81	ng	# 23
19) n-Nitroso-di-n-propylamine	6.53	70	136814	16.45	ng	# 77
31) Naphthalene	7.40	128	76859	2.21	ng	98
47) 2-Nitroaniline	8.99	65	17599	2.88	ng	# 31
53) 2,4-Dinitrophenol	9.61	184	497	4.83	ng	# 1

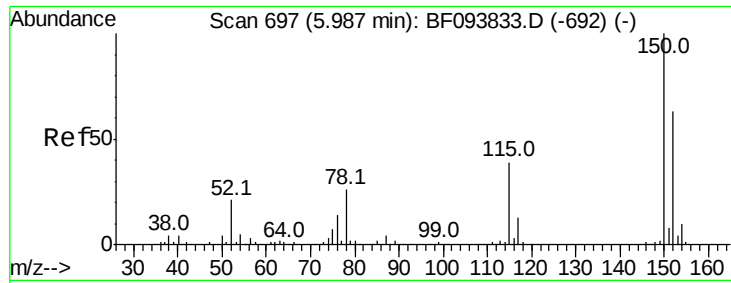
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.87 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF094176.D

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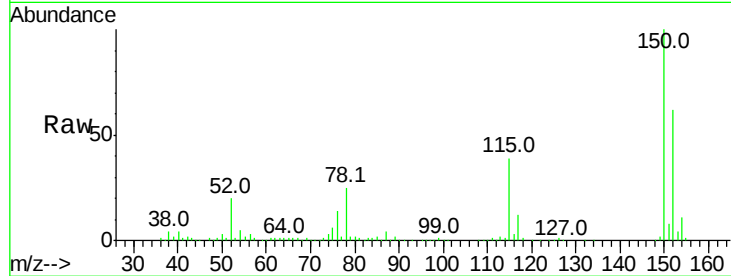
Tot Ion:152 Resp: 176640

Ion Ratio Lower Upper

152 100

150 160.4 126.2 189.2

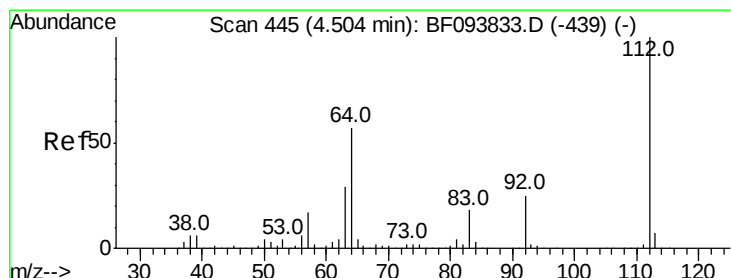
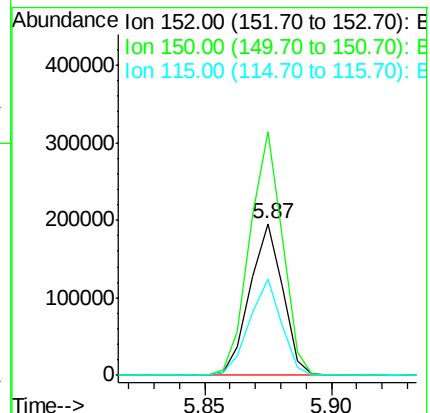
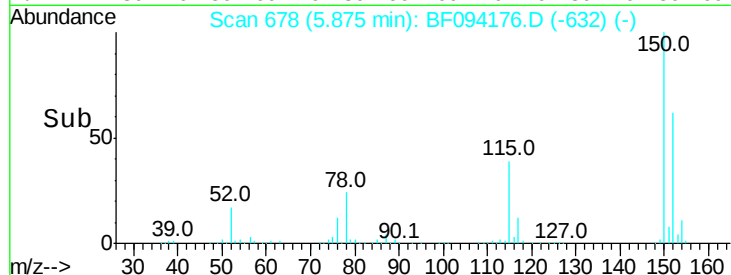
115 63.2 52.2 78.2



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: 57.73 ng

RT: 4.40 min Scan# 428

Delta R.T. -0.03 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

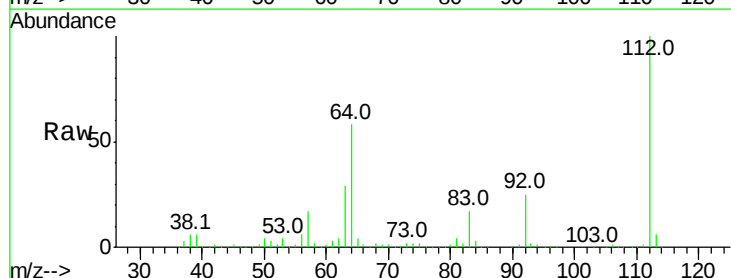
Tgt Ion:112 Resp: 603784

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

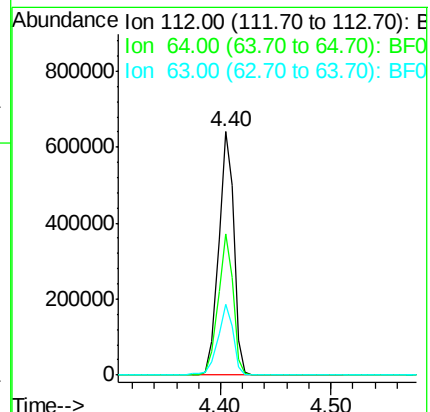
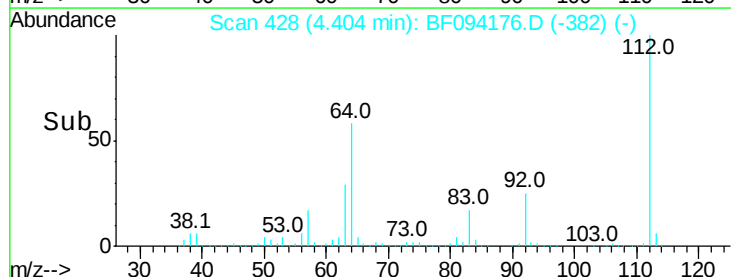
63 28.9 23.4 35.0

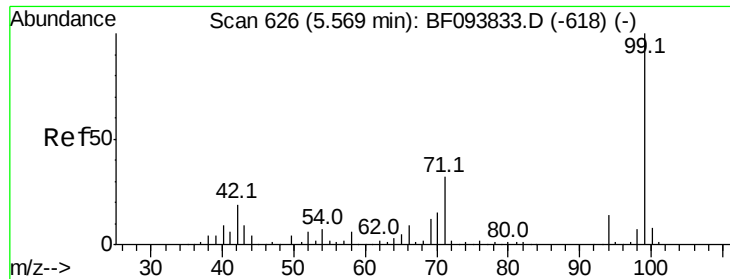


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.02 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.04 min

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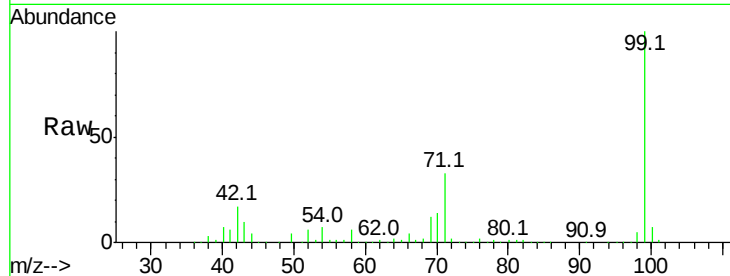
Tot Ion: 99 Resp: 504819

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

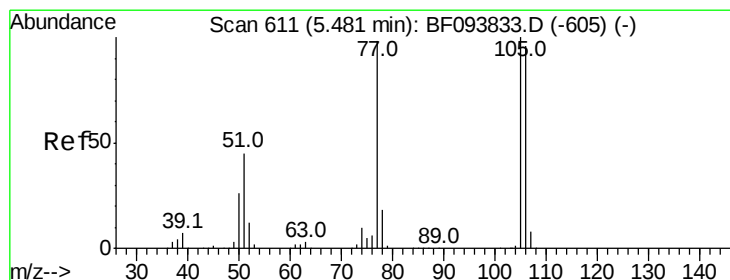
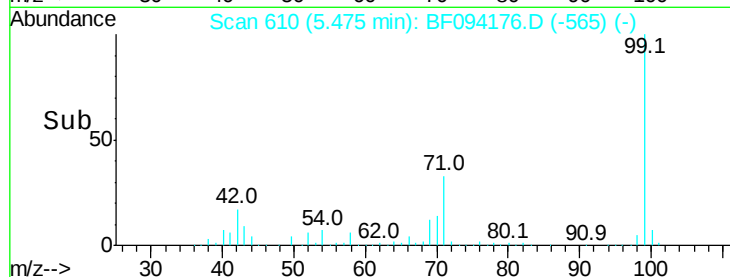
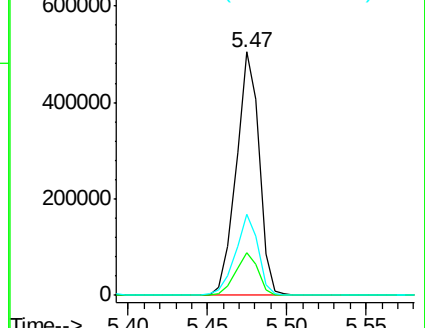
71 33.4 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.68 ng

RT: 5.62 min Scan# 635

Delta R.T. 0.22 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

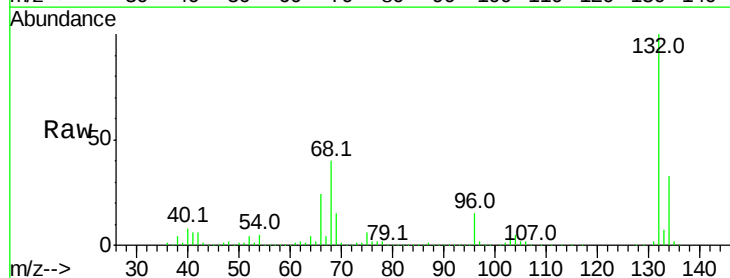
Tgt Ion: 77 Resp: 23408

Ion Ratio Lower Upper

77 100

105 89.7 83.8 123.8

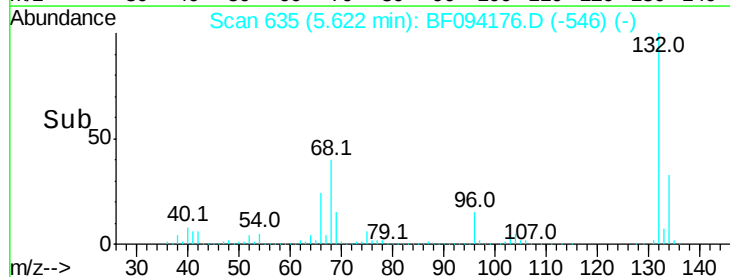
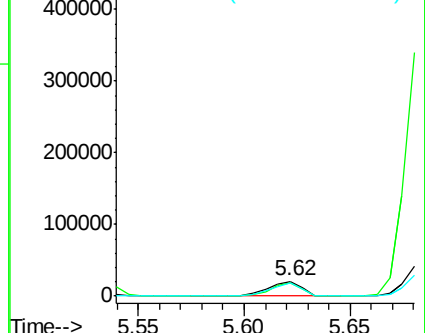
106 84.3 79.1 119.1

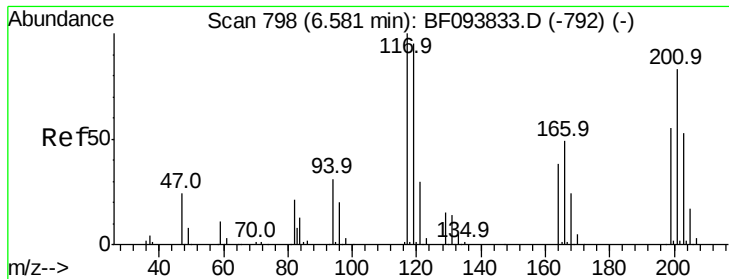


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

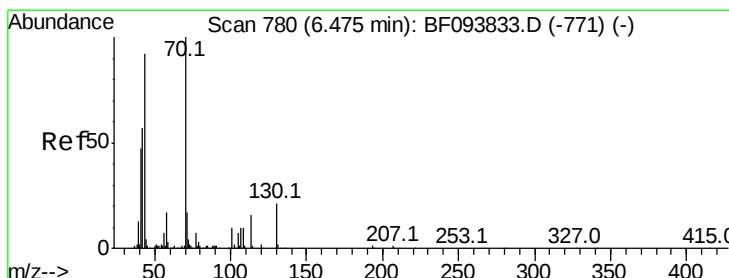
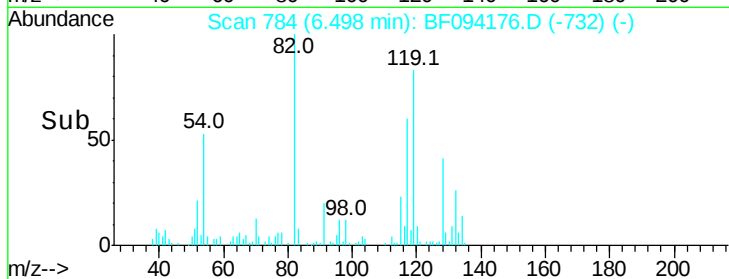
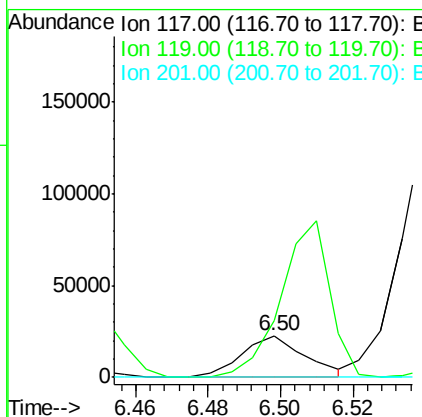
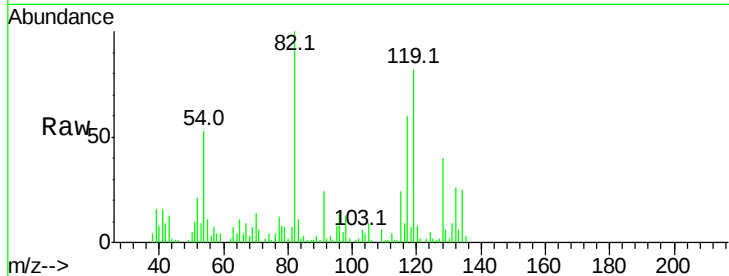




#18
Hexachloroethane
Concen: 5.81 ng
RT: 6.50 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

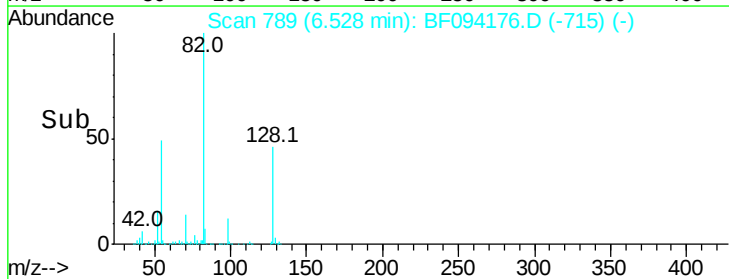
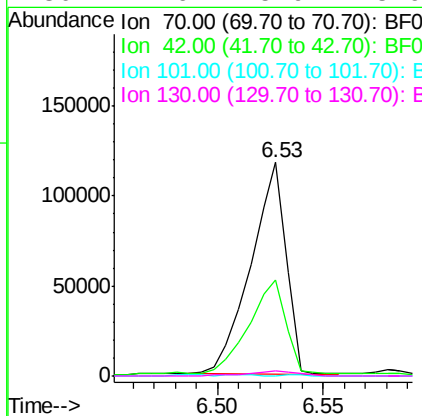
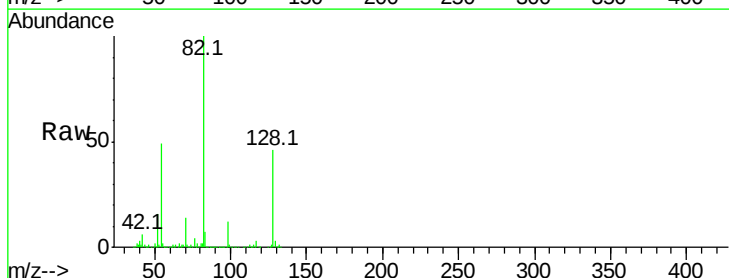
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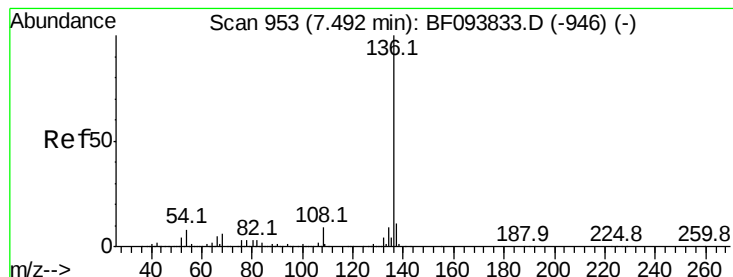
Tot Ion:117 Resp: 26691
Ion Ratio Lower Upper
117 100
119 136.4 77.4 116.0#
201 0.0 94.6 141.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.45 ng
RT: 6.53 min Scan# 789
Delta R.T. 0.14 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

Tgt Ion: 70 Resp: 136814
Ion Ratio Lower Upper
70 100
42 45.2 47.2 70.8#
101 0.3 7.2 10.8#
130 2.6 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MW-11

Tot Ion:136 Resp: 722621

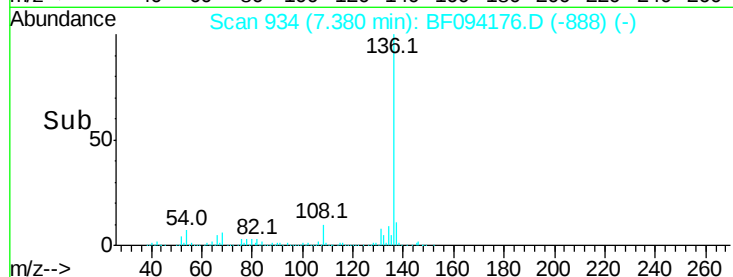
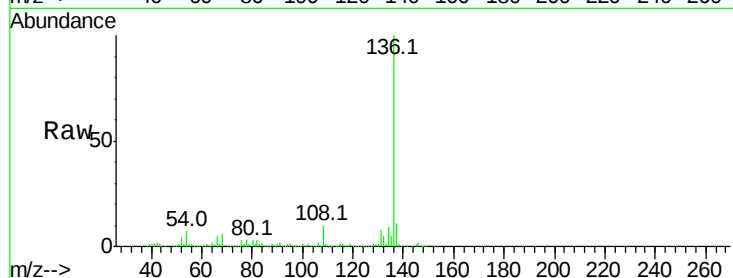
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.3 4.9 7.3

68 5.9 4.1 6.1

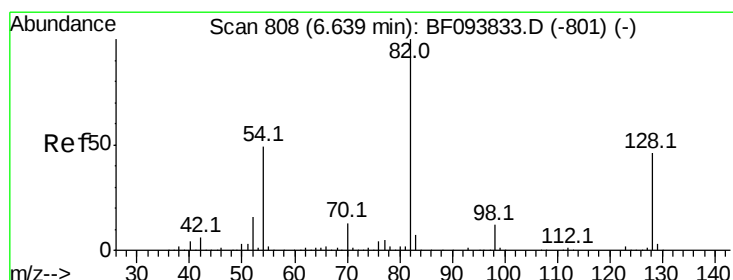
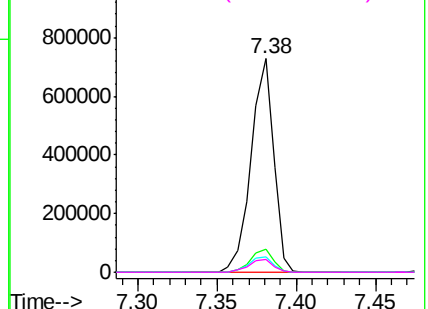


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 82.55 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

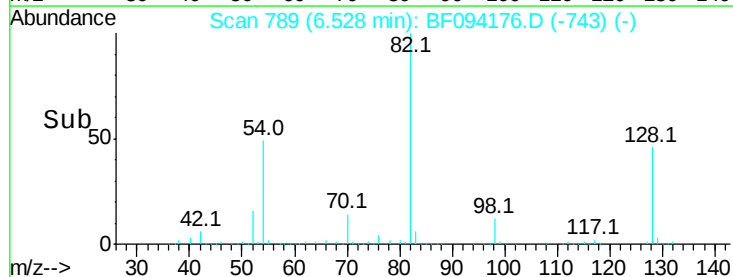
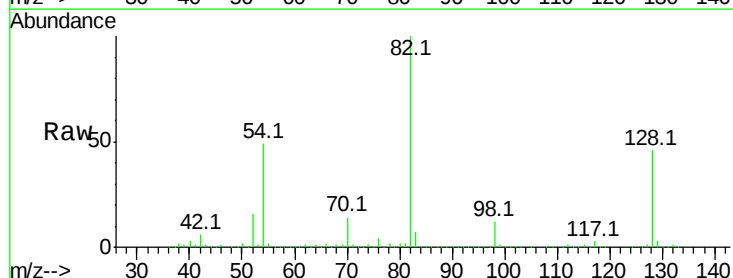
Tgt Ion: 82 Resp: 1045242

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

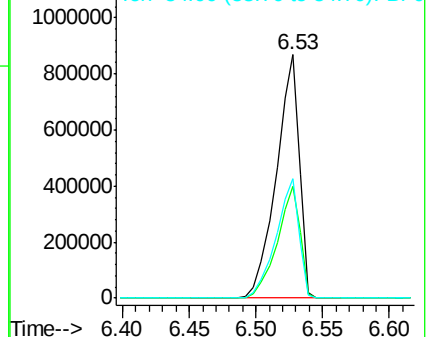
54 49.1 42.2 63.2

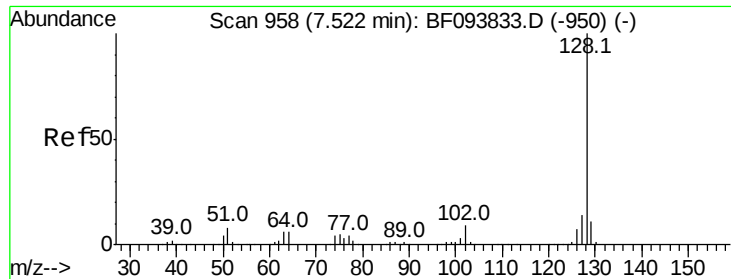


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

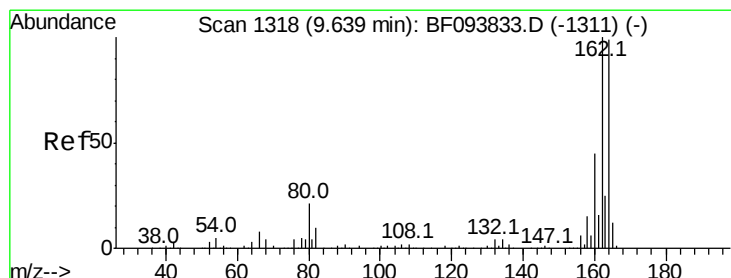
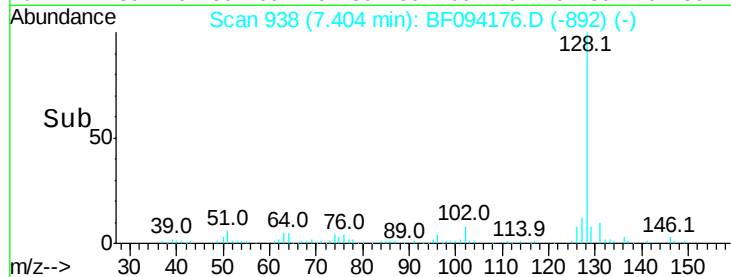
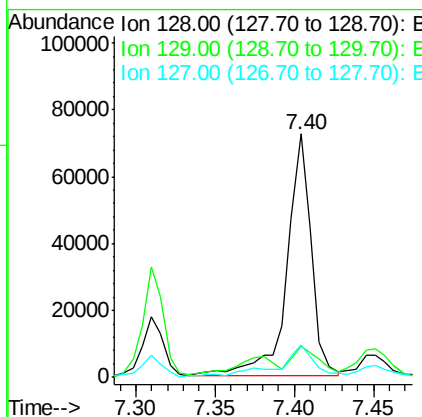
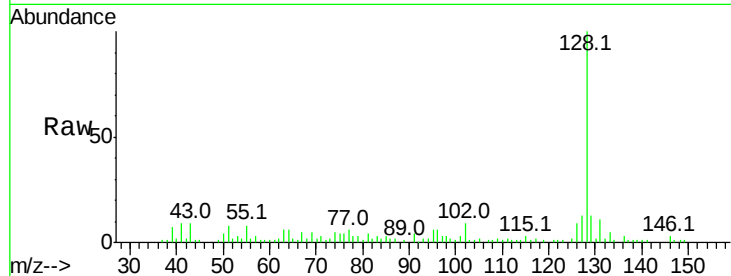




#31
Naphthalene
Concen: 2.21 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.03 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

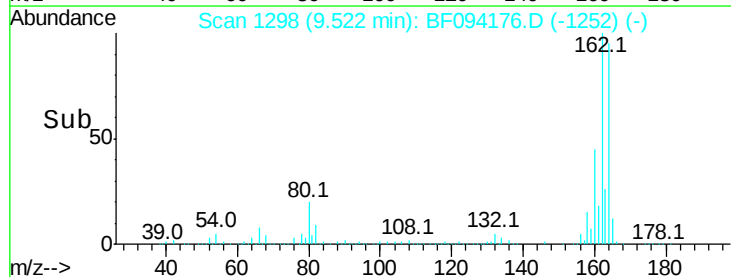
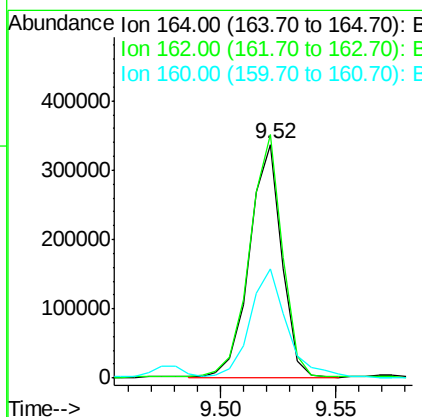
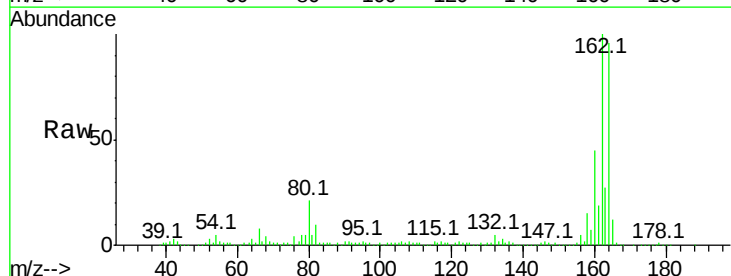
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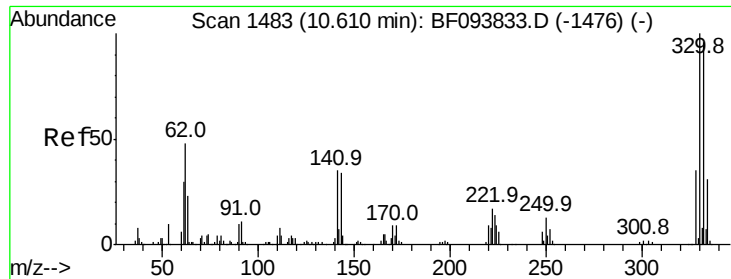
Tot Ion:128 Resp: 76859
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.6
127 13.1 10.8 16.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.03 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

Tgt Ion:164 Resp: 326123
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 46.7 36.2 54.2

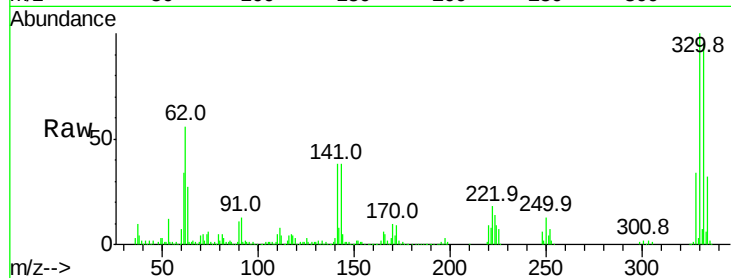




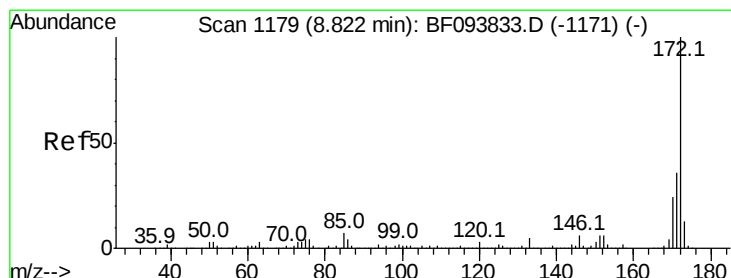
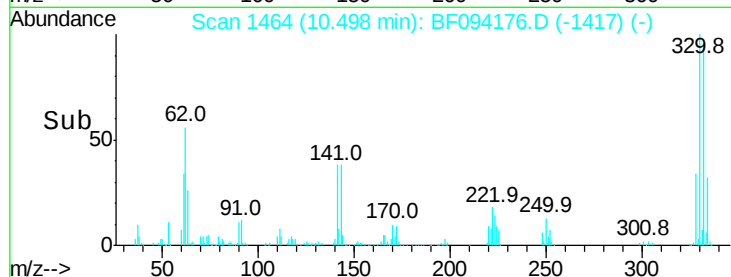
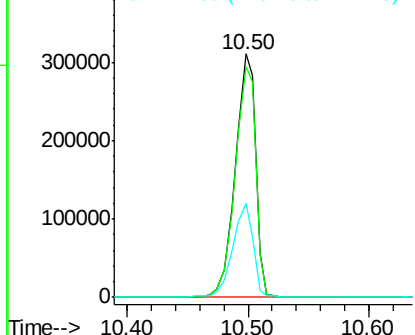
#41
 2,4,6-Tribromophenol
 Concen: 142.34 ng
 RT: 10.50 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF094176.D
 Acq: 4 Apr 2017 19:26

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Tot Ion:330 Resp: 366823
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 37.7 31.4 47.2

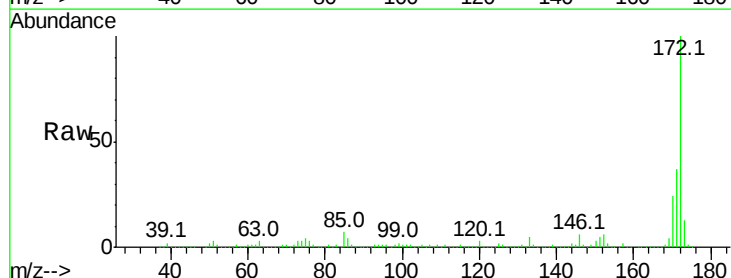


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

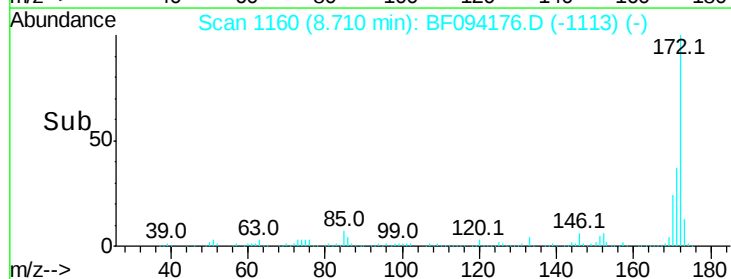
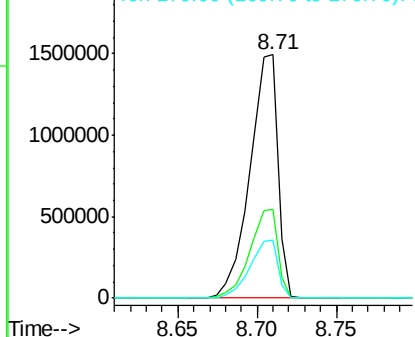


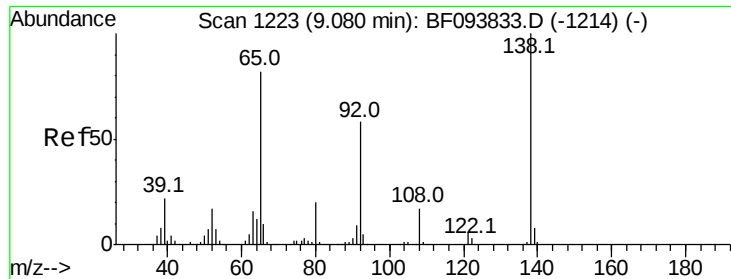
#44
 2-Fluorobiphenyl
 Concen: 86.07 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094176.D
 Acq: 4 Apr 2017 19:26

Tgt Ion:172 Resp: 1840250
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 19.8 29.8



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

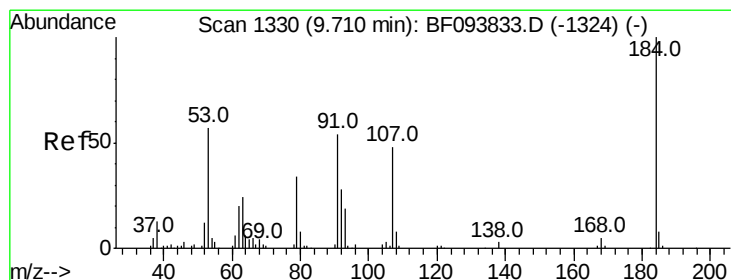
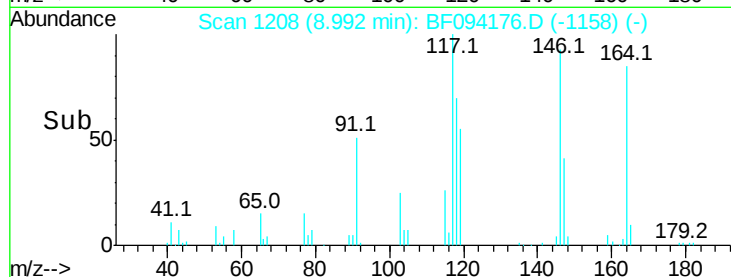
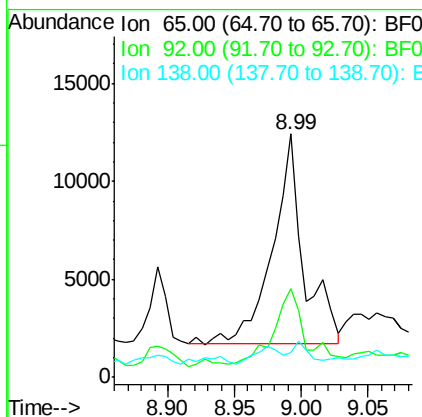
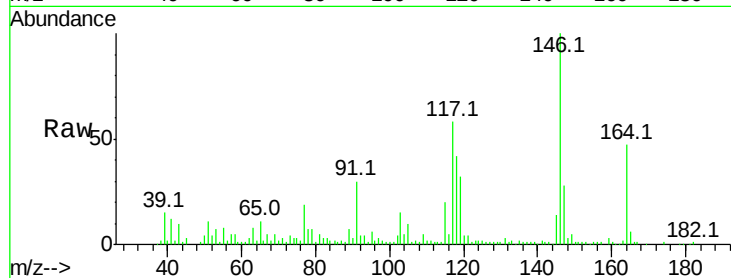




#47
 2-Nitroaniline
 Concen: 2.88 ng
 RT: 8.99 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF094176.D
 Acq: 4 Apr 2017 19:26

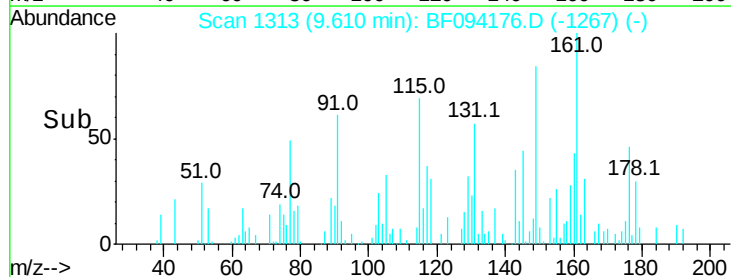
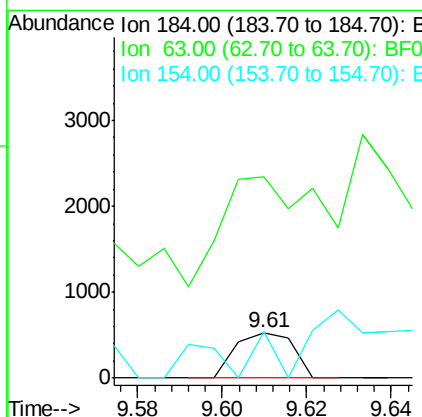
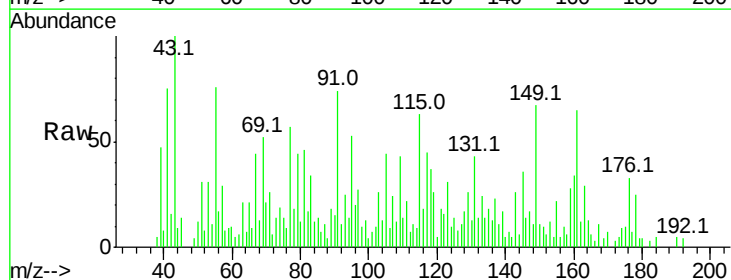
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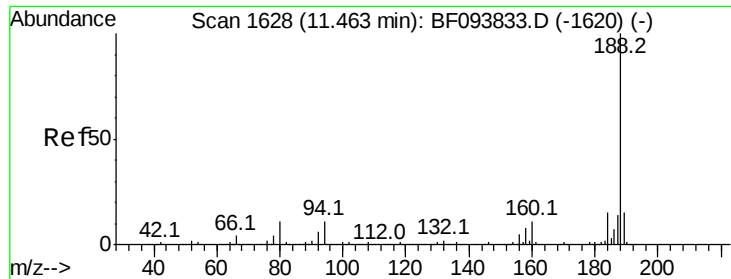
Tot Ion: 65 Resp: 17599
 Ion Ratio Lower Upper
 65 100
 92 36.3 53.9 80.9#
 138 10.0 78.8 118.2#



#53
 2,4-Dinitrophenol
 Concen: 4.83 ng
 RT: 9.61 min Scan# 1313
 Delta R.T. -0.03 min
 Lab File: BF094176.D
 Acq: 4 Apr 2017 19:26

Tgt Ion: 184 Resp: 497
 Ion Ratio Lower Upper
 184 100
 63 438.6 62.7 94.1#
 154 102.1 81.1 121.7

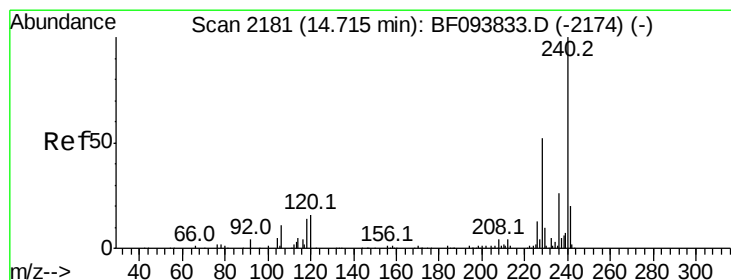
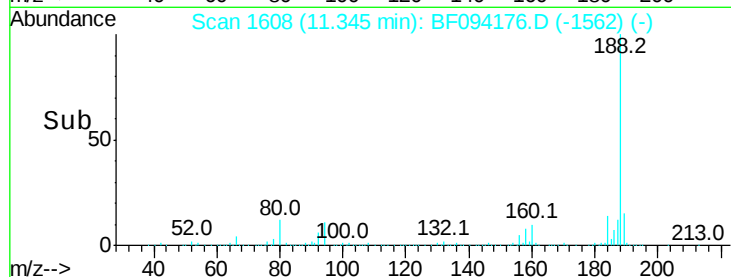
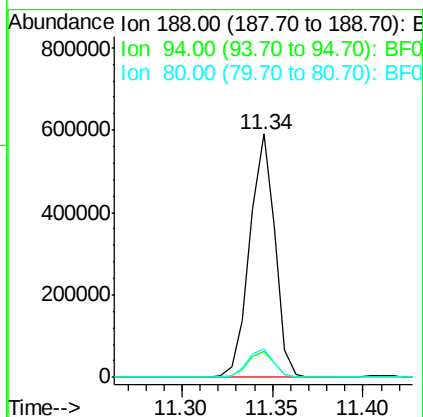
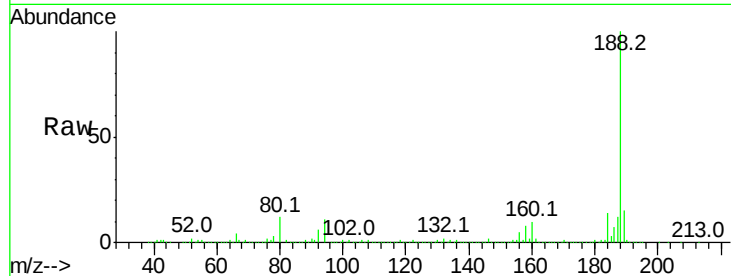




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1608
Delta R.T. -0.03 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

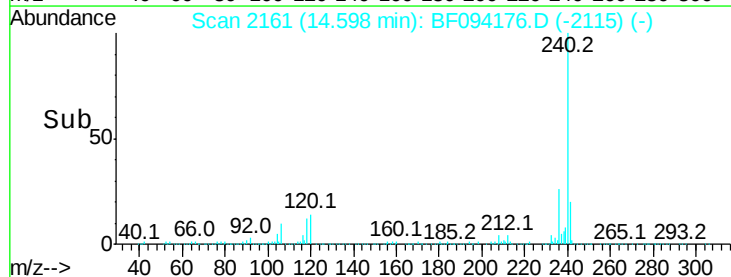
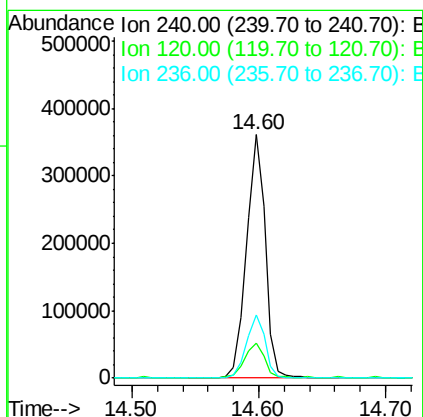
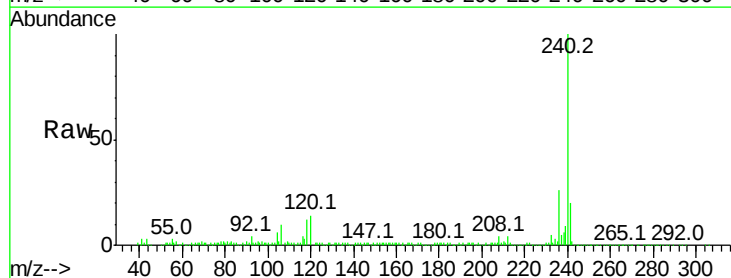
Instrument :
BNA_F
ClientSampleId :
MW-11

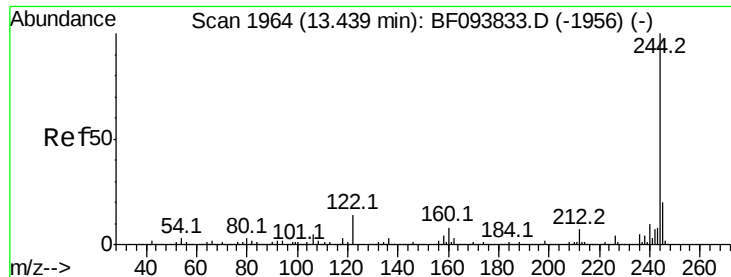
Tot Ion:188 Resp: 567574
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF094176.D
Acq: 4 Apr 2017 19:26

Tgt Ion:240 Resp: 368991
Ion Ratio Lower Upper
240 100
120 14.5 5.8 8.8#
236 25.9 20.5 30.7





#78

Terphenyl-d14

Concen: 81.52 ng

RT: 13.33 min Scan# 1945

Delta R.T. -0.02 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

Instrument :

BNA_F

ClientSampled :

MW-11

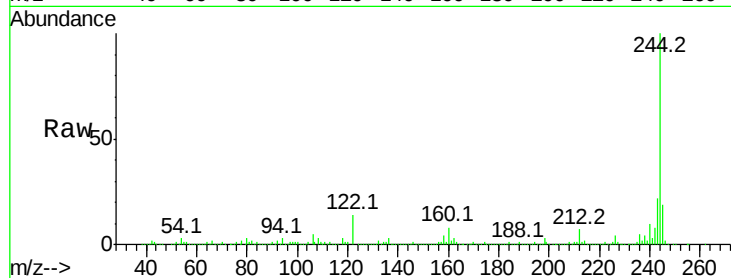
Tot Ion:244 Resp: 1341986

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

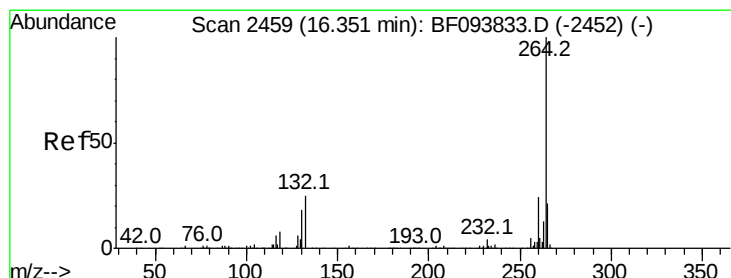
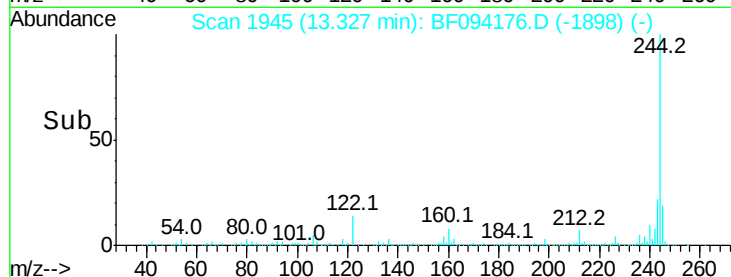
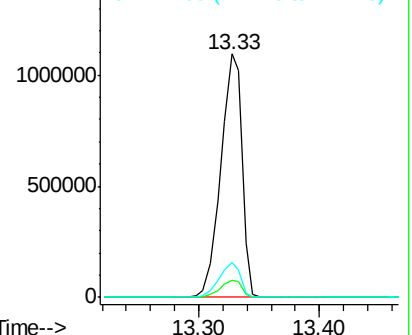
122 14.4 10.3 15.5



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: 16.23 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BF094176.D

Acq: 4 Apr 2017 19:26

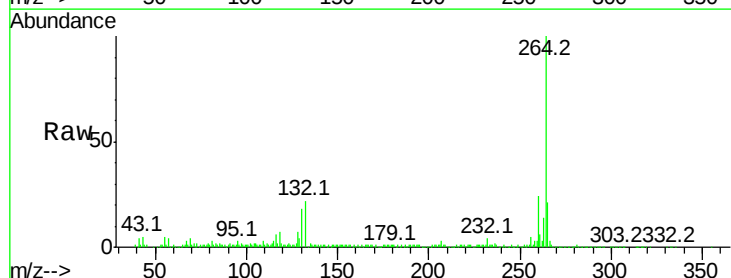
Tgt Ion:264 Resp: 282976

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.2 17.2 25.8



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

