

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094297.D
 Acq On : 8 Apr 2017 3:55
 Operator : SJ/MA
 Sample : I2593-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-10

Quant Time: Apr 08 04:52:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

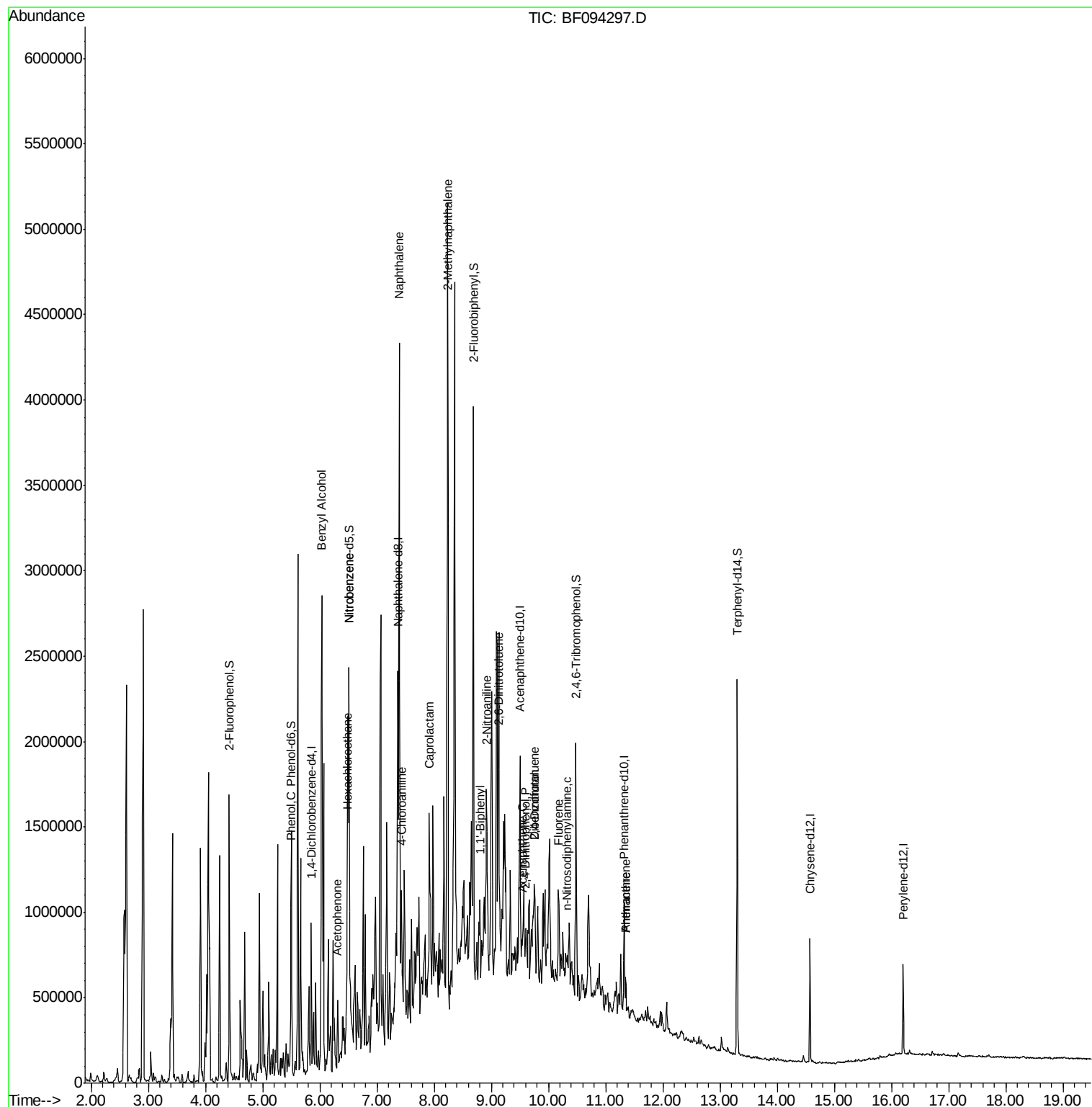
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	130645	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	452810	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	177724	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	264880	20.00	ng	0.00
75) Chrysene-d12	14.57	240	261870	20.00	ng	0.00
86) Perylene-d12	16.20	264	210740	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	512636	66.27	ng	0.03
7) Phenol-d6	5.50	99	385464	40.28	ng	0.04
23) Nitrobenzene-d5	6.51	82	746123	94.04	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	198045	141.02	ng	0.01
44) 2-Fluorobiphenyl	8.69	172	1288004	110.54	ng	0.00
78) Terphenyl-d14	13.30	244	777339	66.54	ng	0.00
Target Compounds						
10) Phenol	5.51	94	24973	2.29	ng	# 80
15) Benzyl Alcohol	6.03	79	17311	2.47	ng	# 44
18) Hexachloroethane	6.47	117	163030	48.02	ng	# 35
22) Acetophenone	6.32	105	90656	8.98	ng	# 49
24) Nitrobenzene	6.52	77	23979	3.06	ng	# 5
31) Naphthalene	7.39	128	2018978	92.73	ng	99
33) 4-Chloroaniline	7.43	127	18462	2.09	ng	# 1
35) Caprolactam	7.92	113	26508	13.83	ng	# 28
37) 2-Methylnaphthalene	8.24	142	1754539	120.89	ng	99
45) 1,1'-Biphenyl	8.80	154	134655	9.39	ng	97
47) 2-Nitroaniline	8.92	65	11989	3.60	ng	# 39
50) 2,6-Dinitrotoluene	9.14	165	15157	5.23	ng	89
51) Acenaphthene	9.54	154	25204	2.32	ng	89
53) 2,4-Dinitrophenol	9.59	184	112	4.73	ng	# 1
54) Dibenzofuran	9.75	168	63041	4.26	ng	# 89
56) 2,4-Dinitrotoluene	9.75	165	9598	2.64	ng	# 42
57) Fluorene	10.17	166	61678	5.02	ng	# 94
65) n-Nitrosodiphenylamine	10.33	169	22717	2.48	ng	# 79
70) Phenanthrene	11.35	178	87935	5.97	ng	95
71) Anthracene	11.35	178	87935	5.80	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampleId :

TW-10

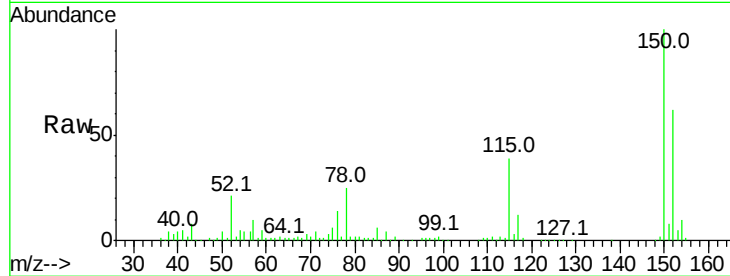
Tot Ion:152 Resp: 130645

Ion Ratio Lower Upper

152 100

150 161.0 126.2 189.2

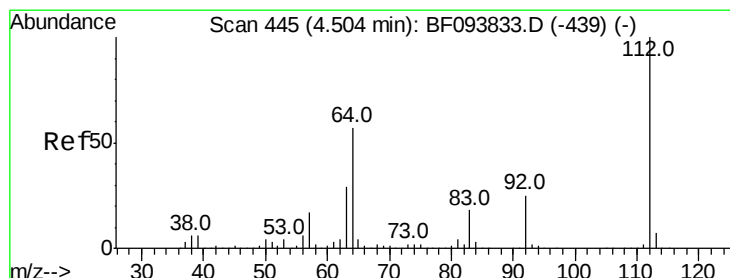
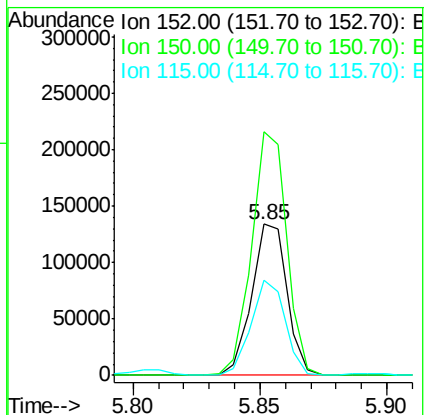
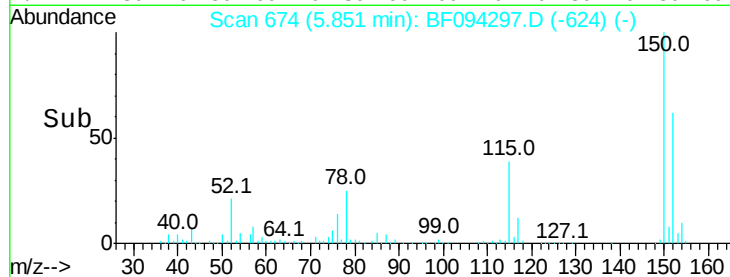
115 62.6 52.2 78.2



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: 66.27 ng

RT: 4.42 min Scan# 430

Delta R.T. 0.03 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

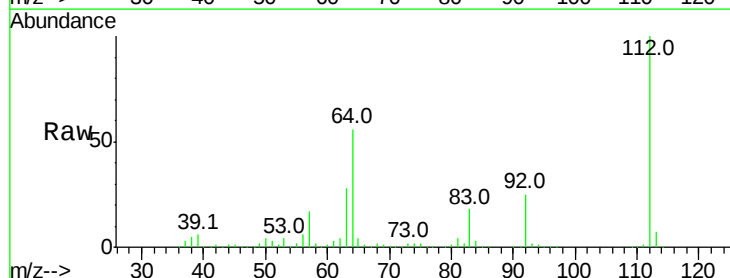
Tgt Ion:112 Resp: 512636

Ion Ratio Lower Upper

112 100

64 56.5 46.0 69.0

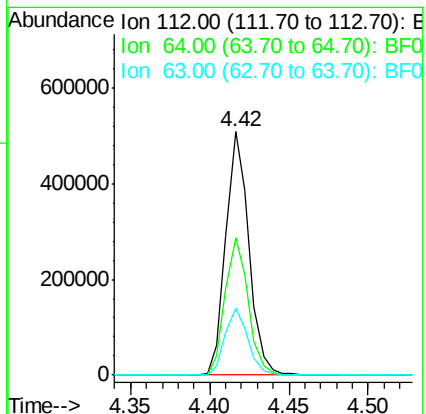
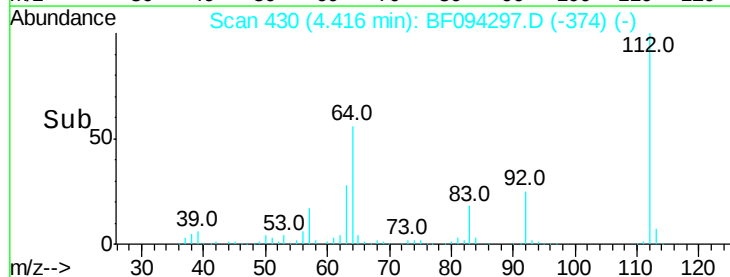
63 27.7 23.4 35.0

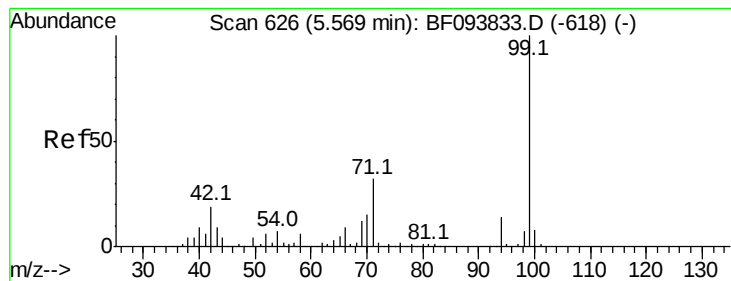


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.28 ng

RT: 5.50 min Scan# 614

Delta R.T. 0.04 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampled :

TW-10

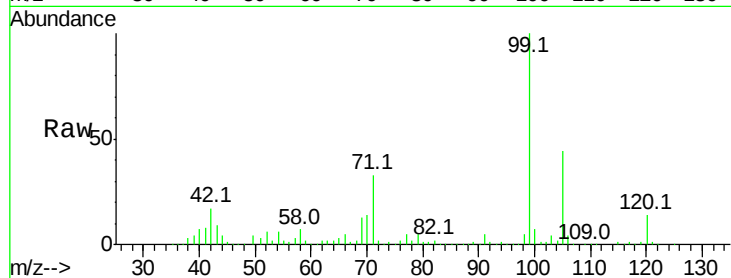
Tot Ion: 99 Resp: 385464

Ion Ratio Lower Upper

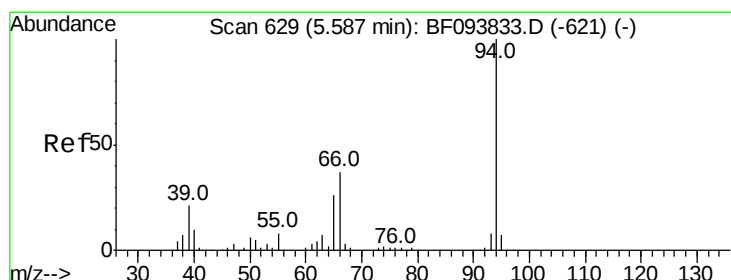
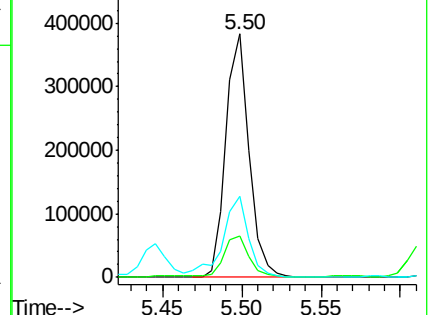
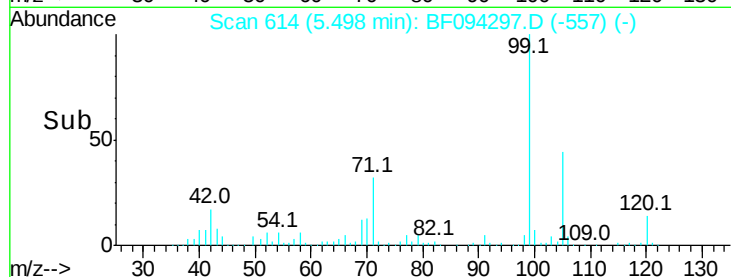
99 100

42 17.1 13.5 20.3

71 33.3 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



#10

Phenol

Concen: 2.29 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.03 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

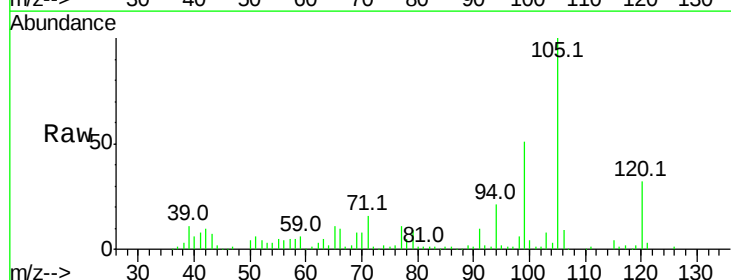
Tgt Ion: 94 Resp: 24973

Ion Ratio Lower Upper

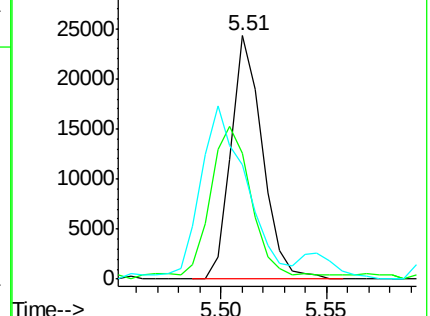
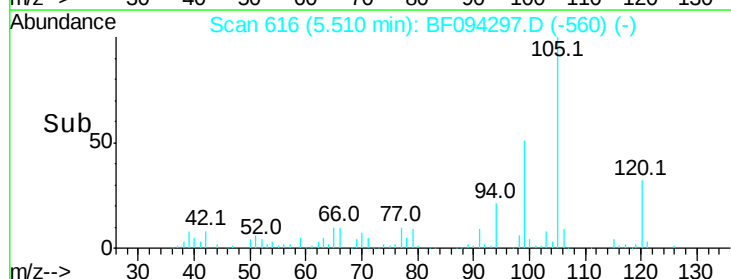
94 100

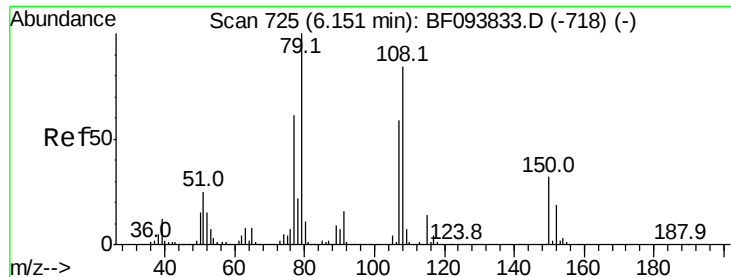
65 51.7 9.9 49.9#

66 47.0 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 6.03 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampleId :

TW-10

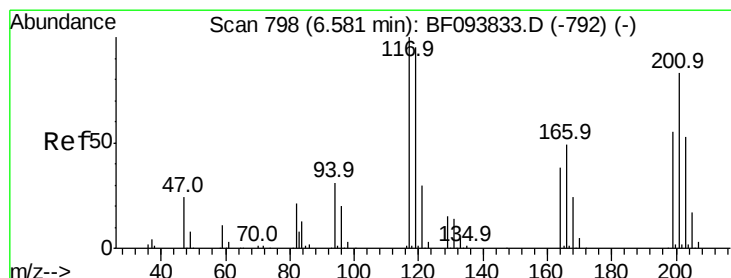
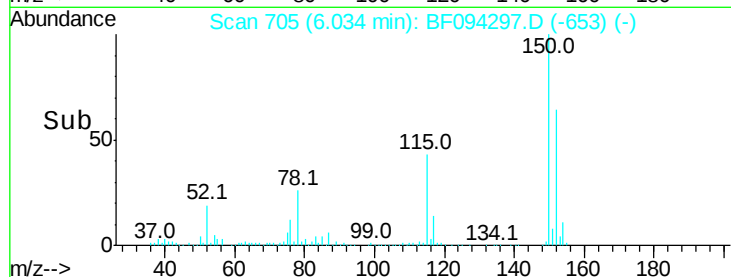
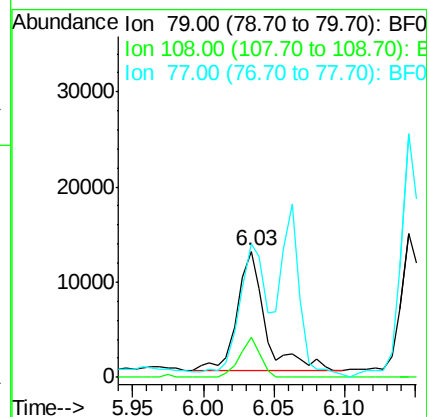
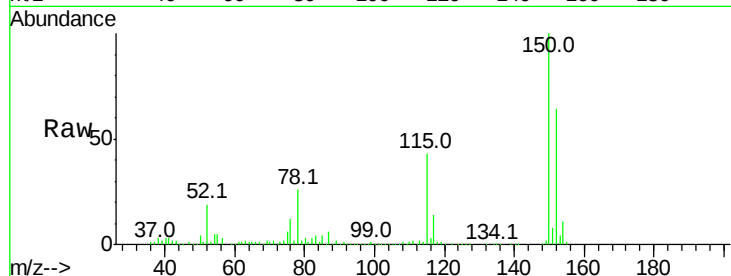
Tot Ion: 79 Resp: 17311

Ion Ratio Lower Upper

79 100

108 31.5 63.4 95.0#

77 106.0 49.2 73.8#



#18

Hexachloroethane

Concen: 48.02 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.03 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

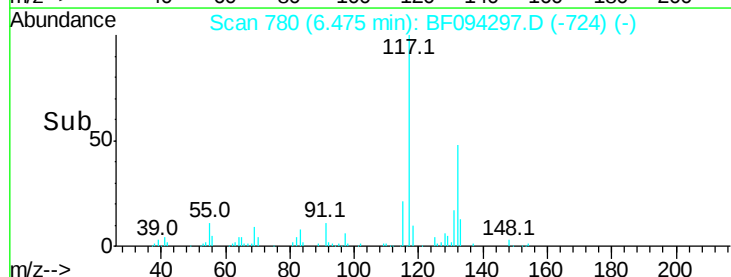
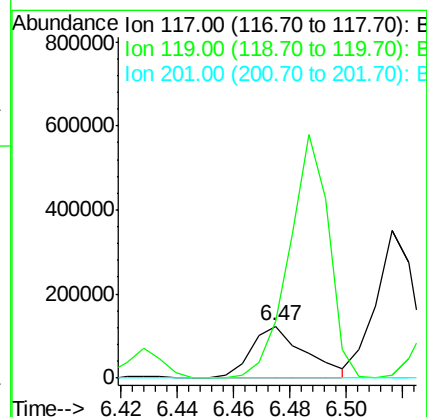
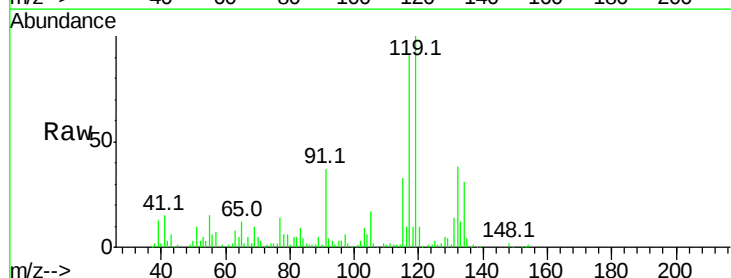
Tgt Ion: 117 Resp: 163030

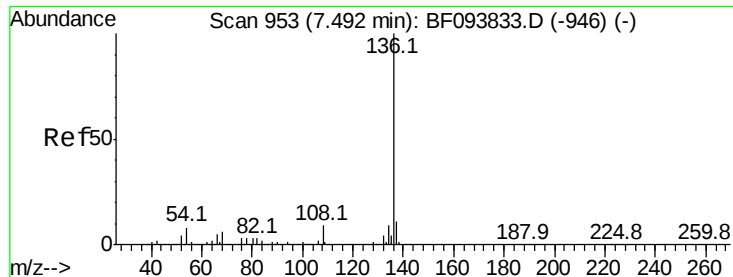
Ion Ratio Lower Upper

117 100

119 109.3 77.4 116.0

201 0.0 94.6 141.8#

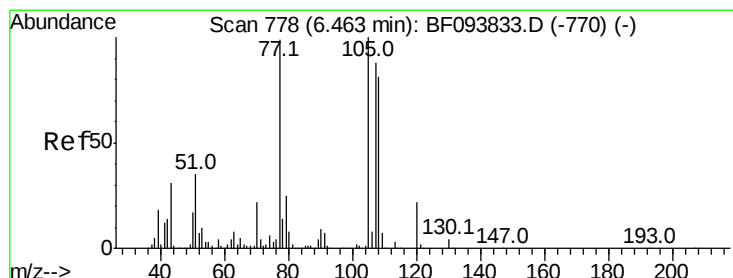
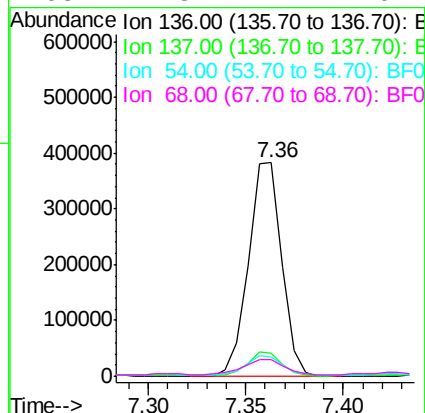
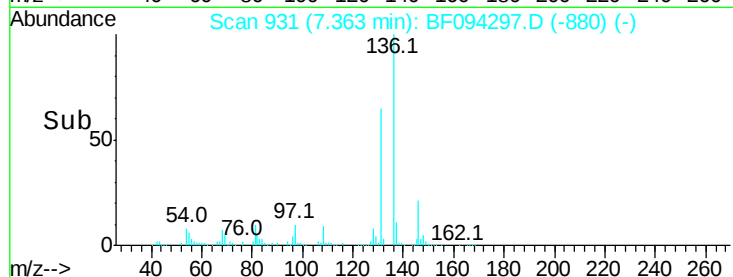
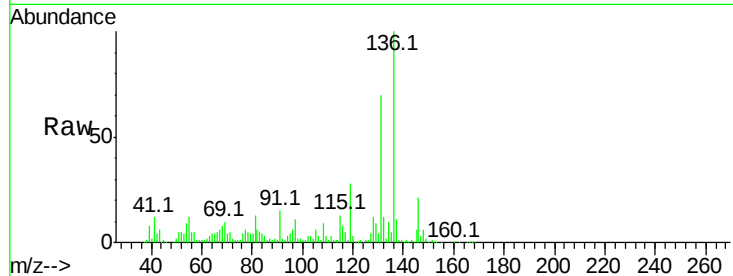




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 931
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

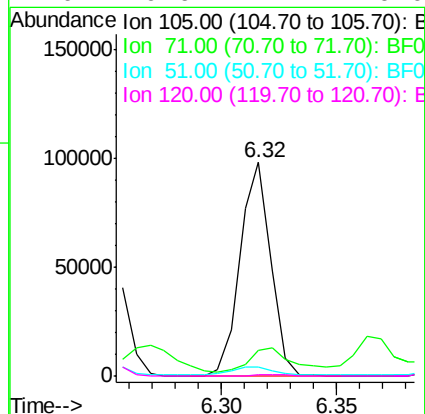
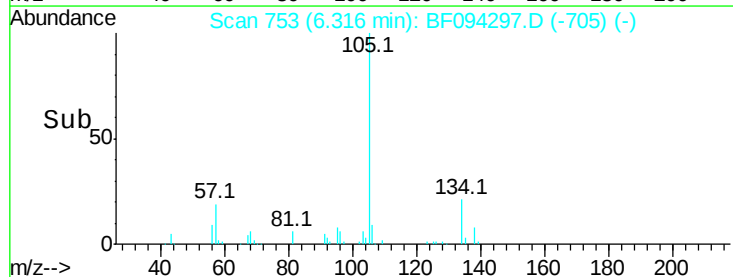
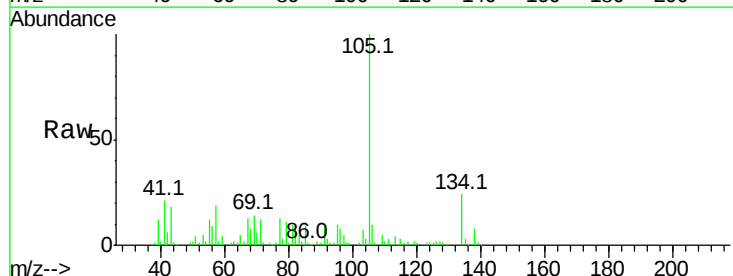
Instrument :
BNA_F
ClientSampleId :
TW-10

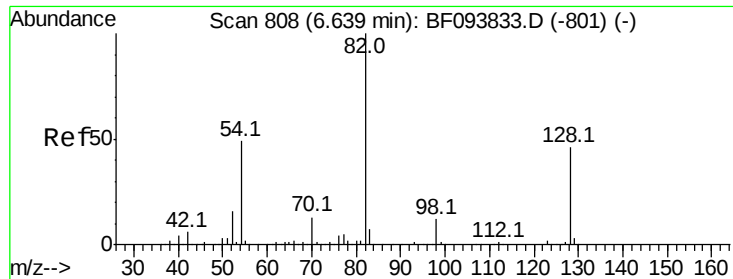
Tot Ion:136	Resp:	452810
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	8.8	4.9 7.3#
68	7.8	4.1 6.1#



#22
Acetophenone
Concen: 8.98 ng
RT: 6.32 min Scan# 753
Delta R.T. -0.02 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:105	Resp:	90656
Ion Ratio	Lower	Upper
105	100	
71	11.9	2.8 4.2#
51	4.3	30.7 46.1#
120	0.6	17.4 26.0#

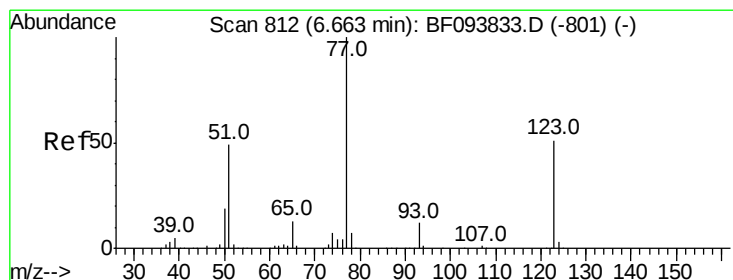
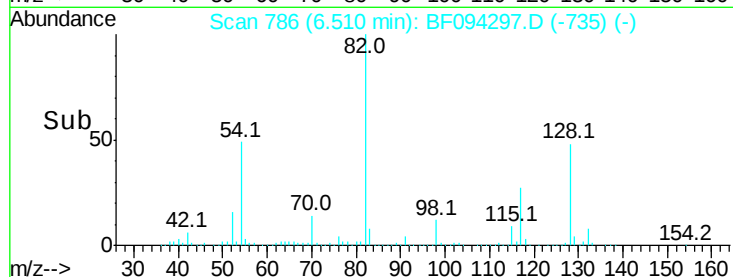
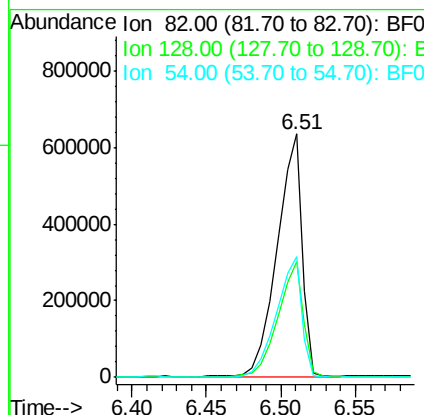
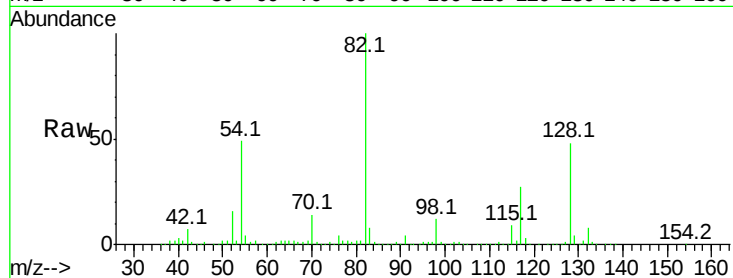




#23
Nitrobenzene-d5
Concen: 94.04 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

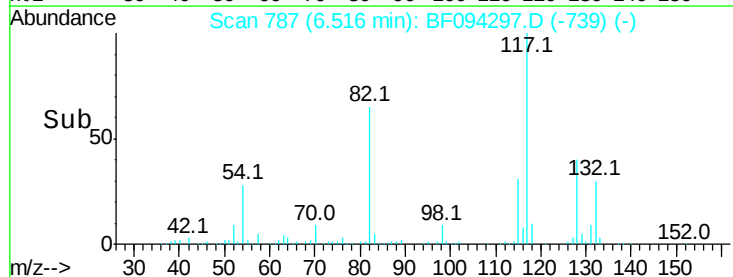
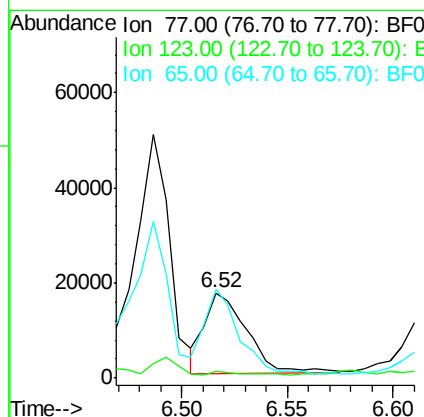
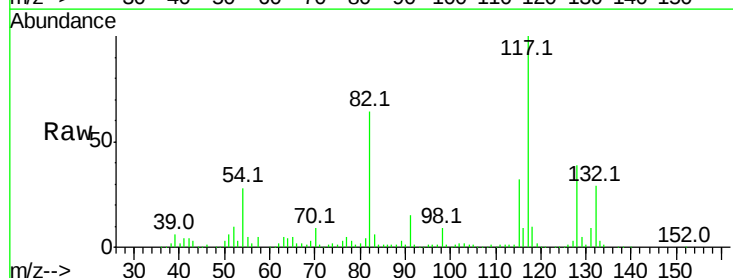
Instrument :
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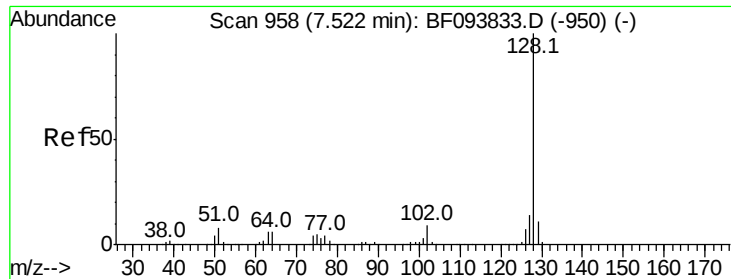
Tot Ion: 82 Resp: 746123
Ion Ratio Lower Upper
82 100
128 47.7 34.0 51.0
54 49.4 42.2 63.2



#24
Nitrobenzene
Concen: 3.06 ng
RT: 6.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion: 77 Resp: 23979
Ion Ratio Lower Upper
77 100
123 8.0 35.8 53.8#
65 103.9 10.6 15.8#

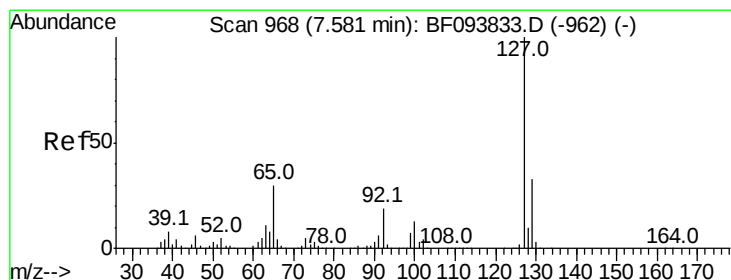
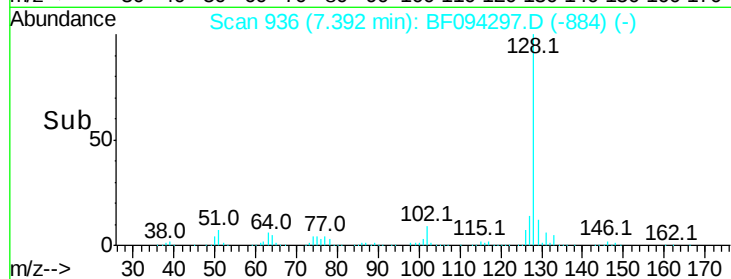
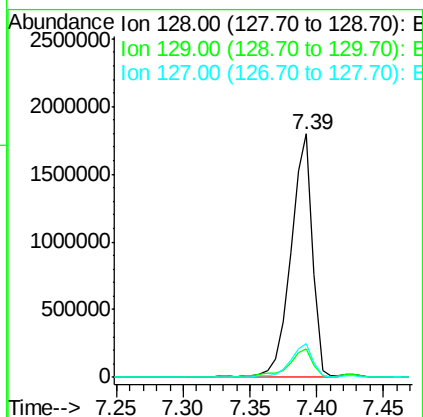
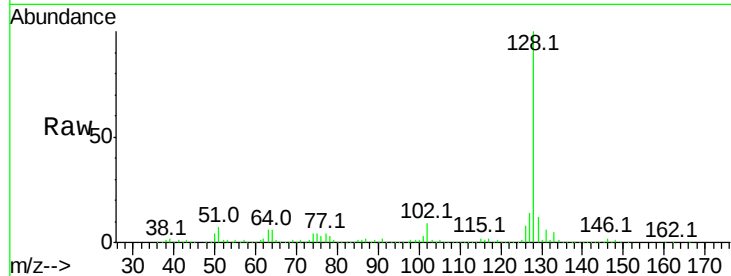




#31
Naphthalene
Concen: 92.73 ng
RT: 7.39 min Scan# 936
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

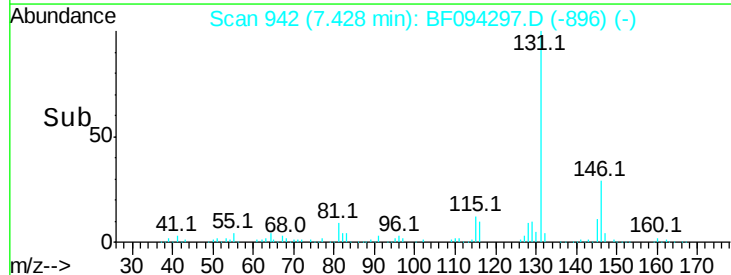
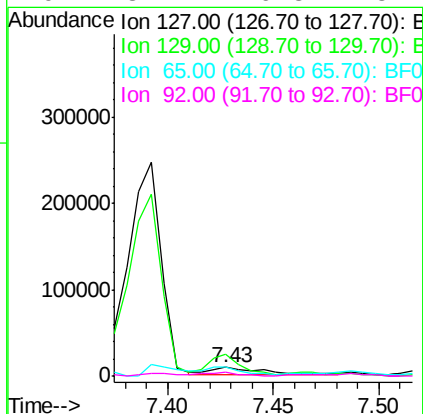
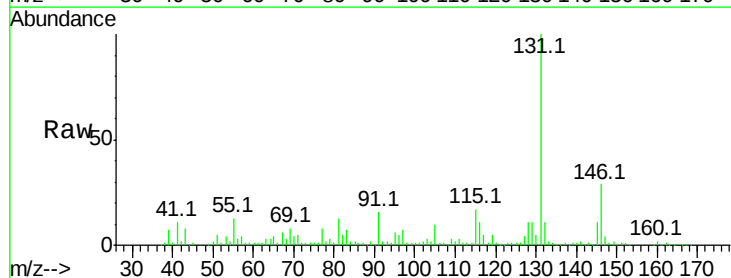
Instrument :
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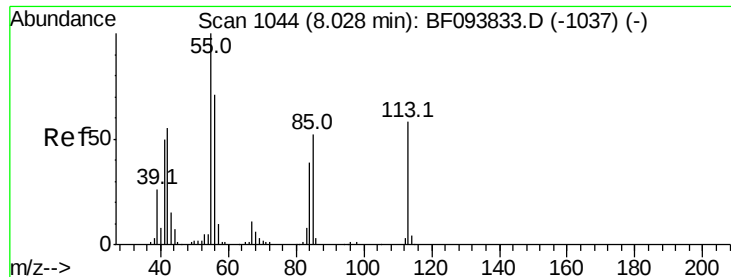
Tot Ion:128 Resp: 2018978
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.8 10.8 16.2



#33
4-Chloroaniline
Concen: 2.09 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:127 Resp: 18462
Ion Ratio Lower Upper
127 100
129 258.5 26.2 39.2#
65 103.8 27.8 41.8#
92 37.7 16.8 25.2#





#35

Caprolactam

Concen: 13.83 ng

RT: 7.92 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampled :

TW-10

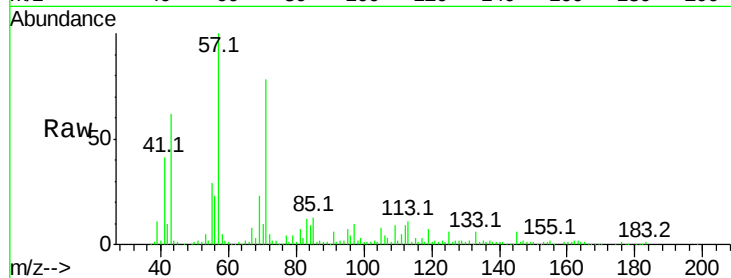
Tot Ion:113 Resp: 26508

Ion Ratio Lower Upper

113 100

55 267.2 150.2 190.2#

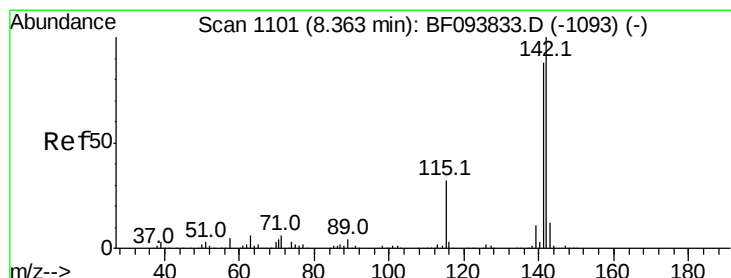
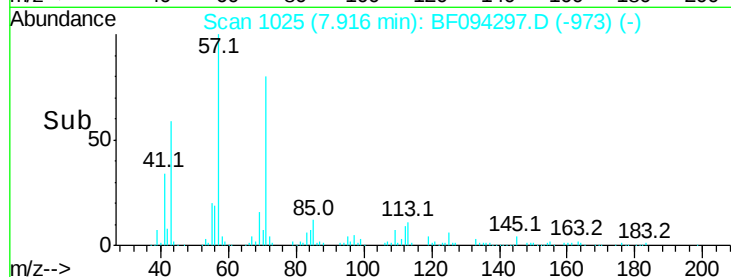
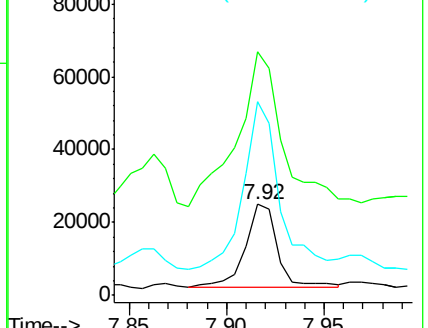
56 212.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 120.89 ng

RT: 8.24 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

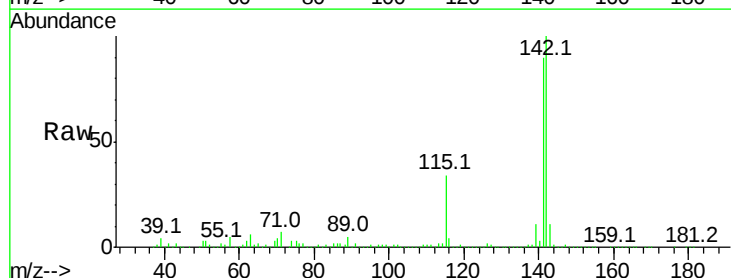
Tgt Ion:142 Resp: 1754539

Ion Ratio Lower Upper

142 100

141 89.6 71.3 106.9

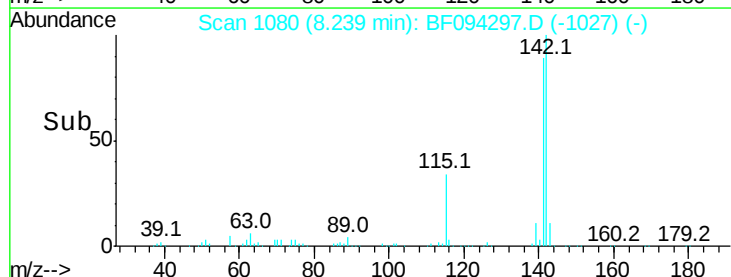
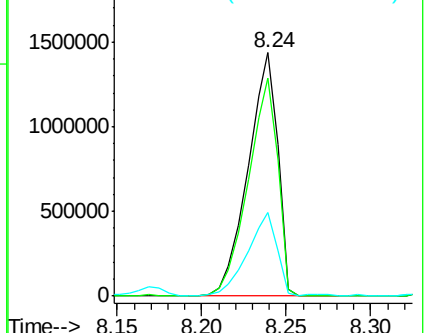
115 34.5 27.1 40.7

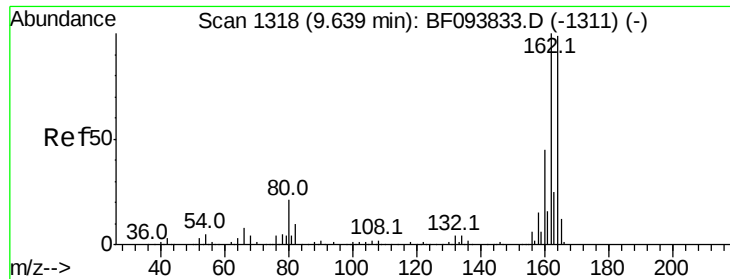


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

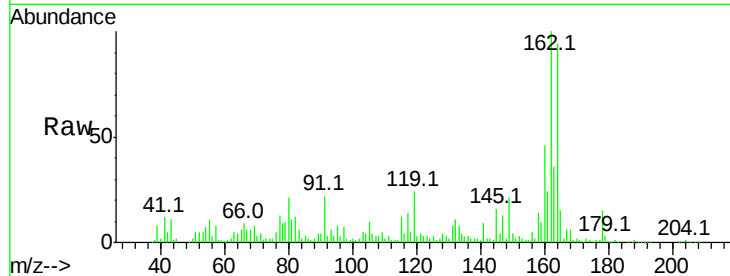




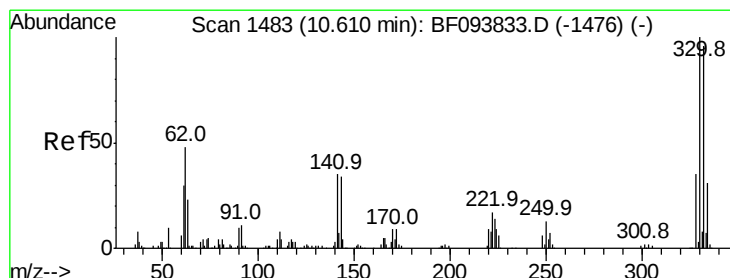
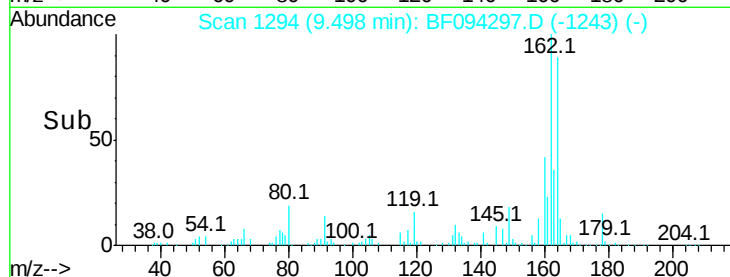
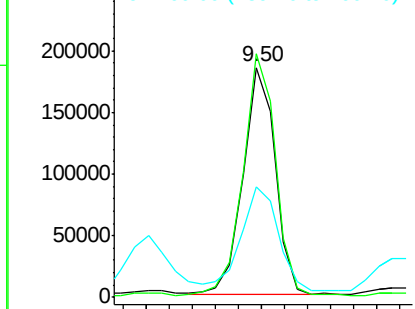
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

Instrument :
 BNA_F
 ClientSampleId :
 TW-10

Tot Ion:164 Resp: 177724
 Ion Ratio Lower Upper
 164 100
 162 106.1 82.6 123.8
 160 48.4 36.2 54.2

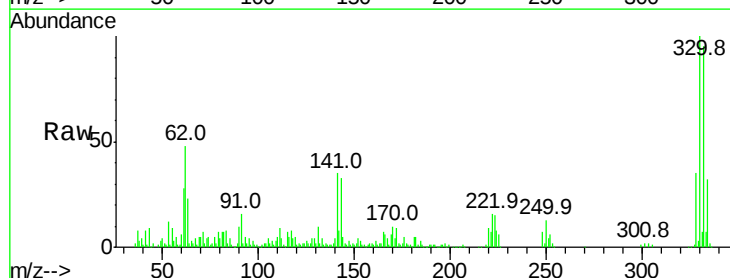


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

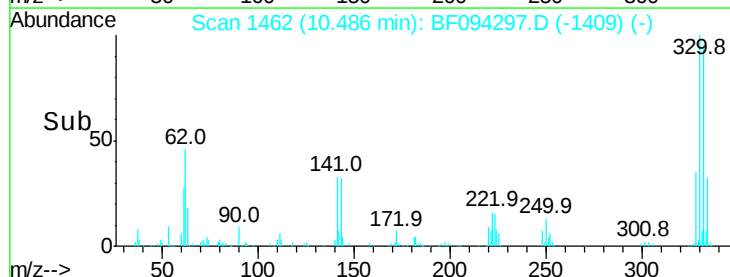
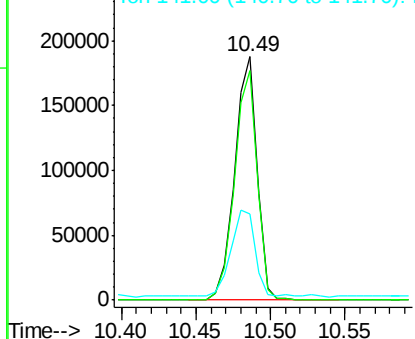


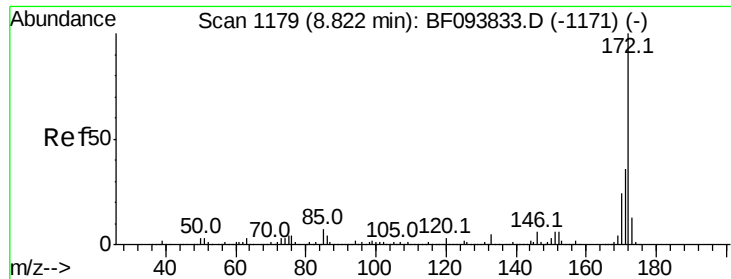
#41
 2,4,6-Tribromophenol
 Concen: 141.02 ng
 RT: 10.49 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

Tgt Ion:330 Resp: 198045
 Ion Ratio Lower Upper
 330 100
 332 95.8 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

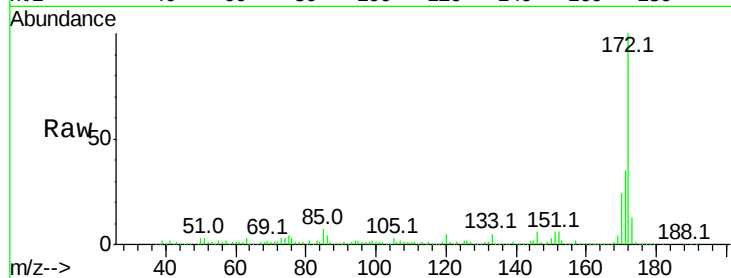




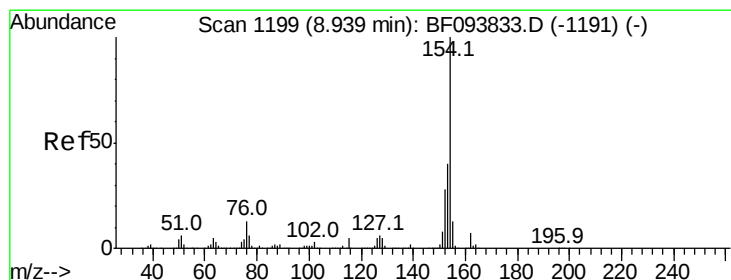
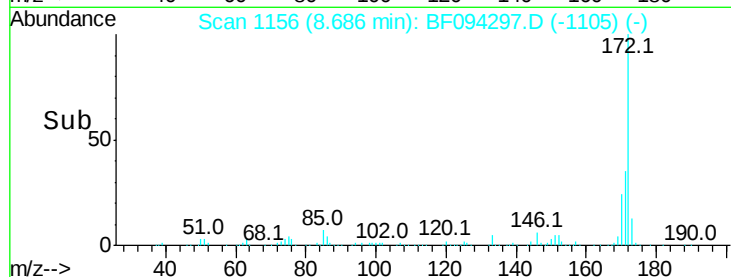
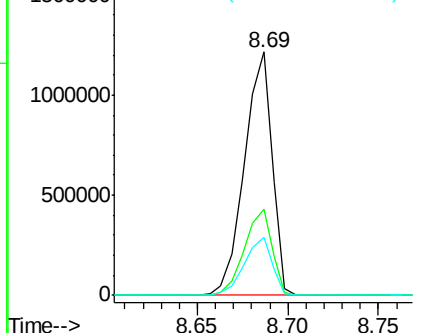
#44
2-Fluorobiphenyl
Concen: 110.54 ng
RT: 8.69 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tot Ion:172 Resp: 1288004
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.8 19.8 29.8

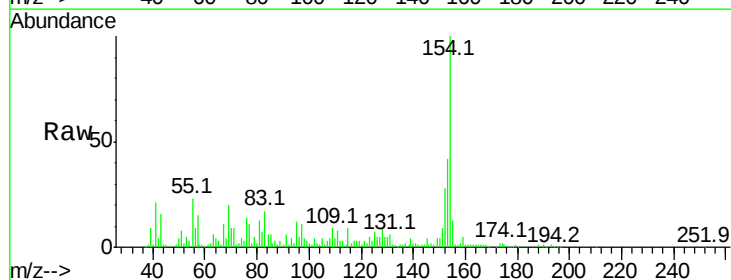


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

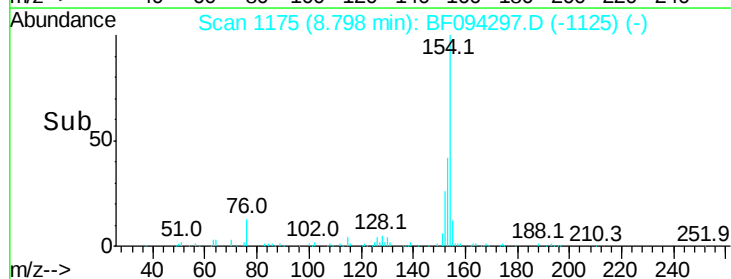
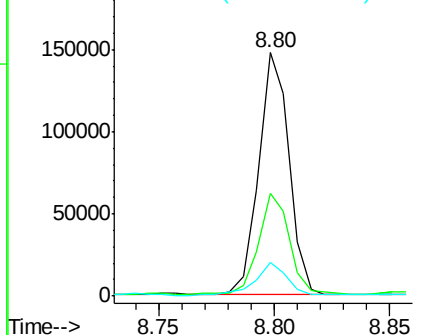


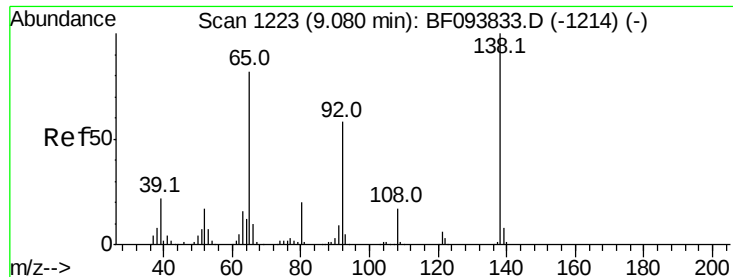
#45
1,1'-Biphenyl
Concen: 9.39 ng
RT: 8.80 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:154 Resp: 134655
Ion Ratio Lower Upper
154 100
153 42.3 21.2 61.2
76 13.6 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

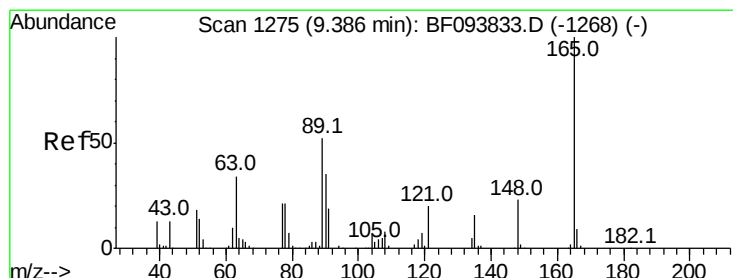
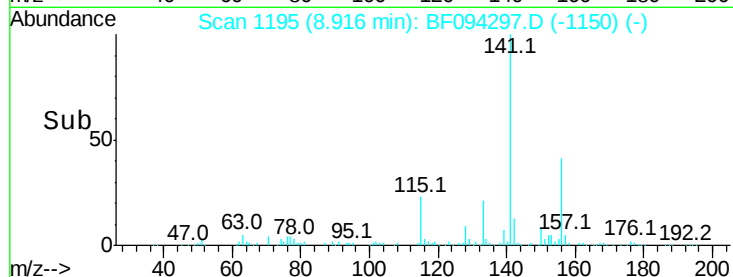
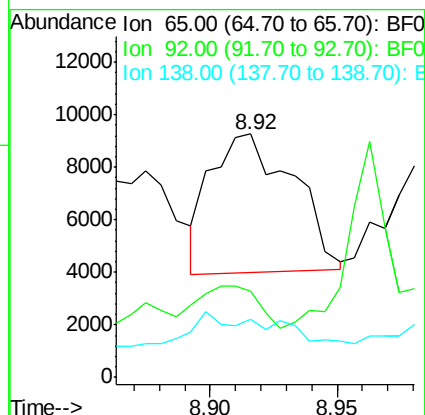
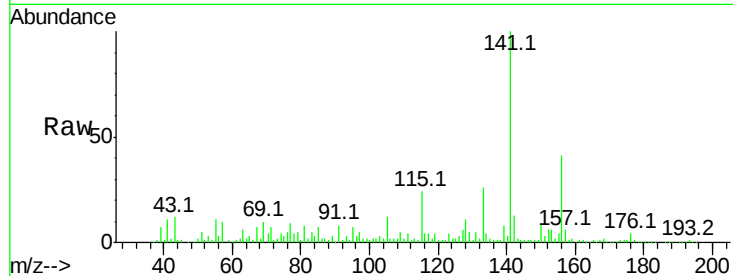




#47
2-Nitroaniline
Concen: 3.60 ng
RT: 8.92 min Scan# 1195
Delta R.T. -0.04 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

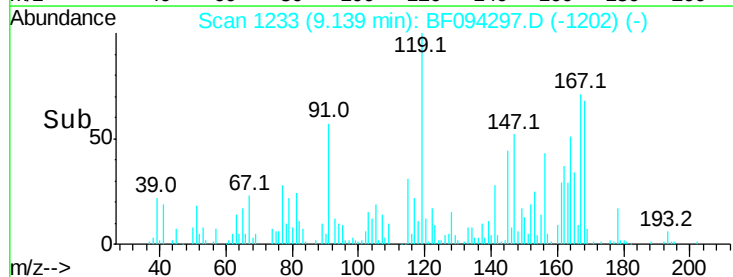
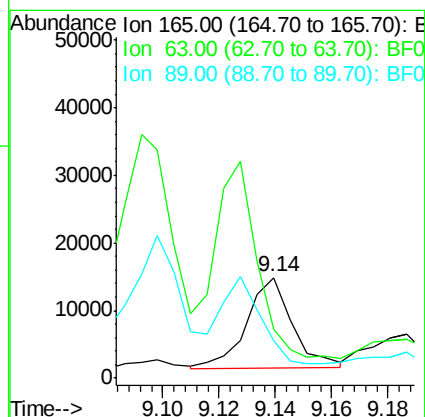
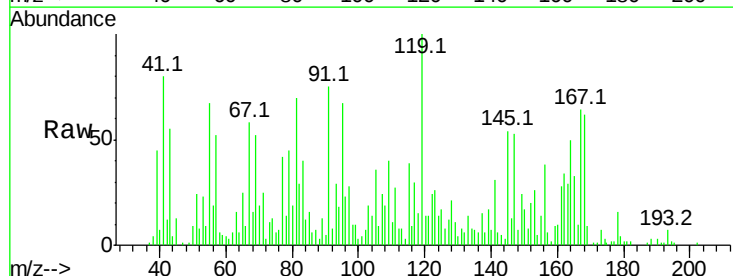
Instrument :
BNA_F
ClientSampled :
TW-10

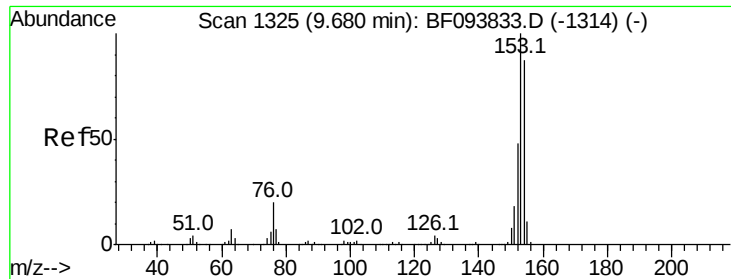
Tot Ion: 65 Resp: 11989
Ion Ratio Lower Upper
65 100
92 35.2 53.9 80.9#
138 23.6 78.8 118.2#



#50
2,6-Dinitrotoluene
Concen: 5.23 ng
RT: 9.14 min Scan# 1233
Delta R.T. -0.12 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion: 165 Resp: 15157
Ion Ratio Lower Upper
165 100
63 48.5 34.3 51.5
89 38.0 37.1 55.7





#51

Acenaphthene

Concen: 2.32 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampleId :

TW-10

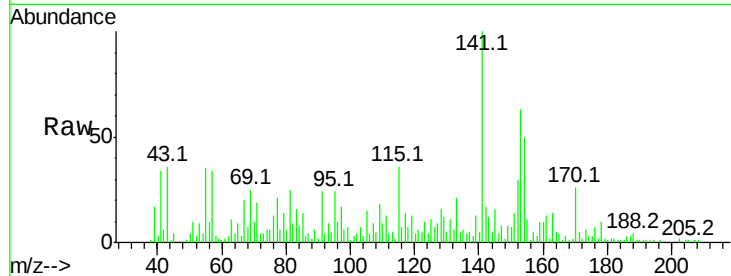
Tot Ion:154 Resp: 25204

Ion Ratio Lower Upper

154 100

153 126.6 90.5 135.7

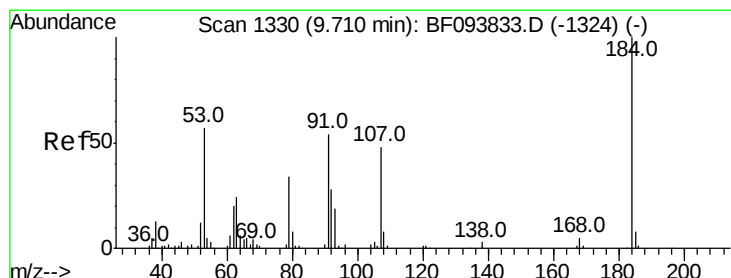
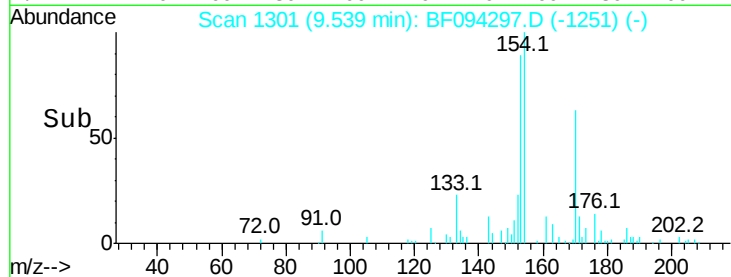
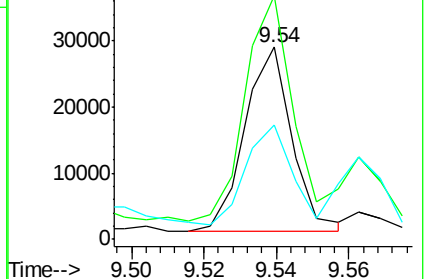
152 59.6 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 4.73 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

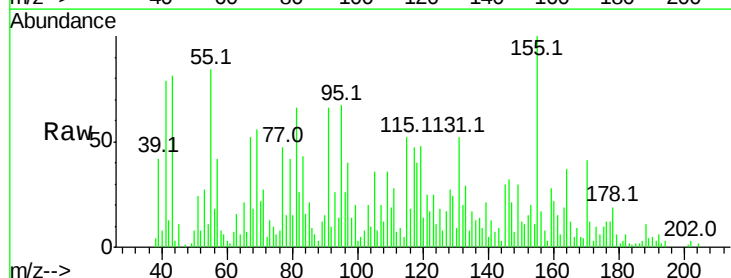
Tgt Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

63 1289.9 62.7 94.1#

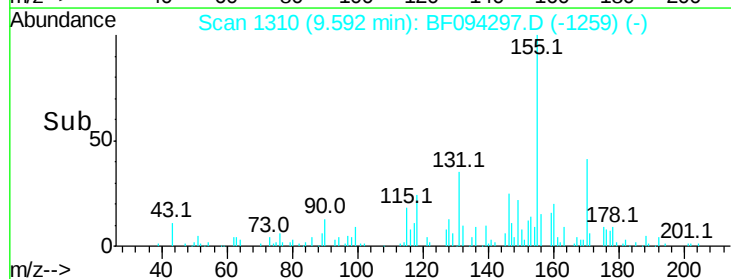
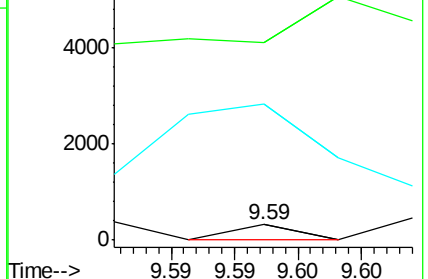
154 888.6 81.1 121.7#

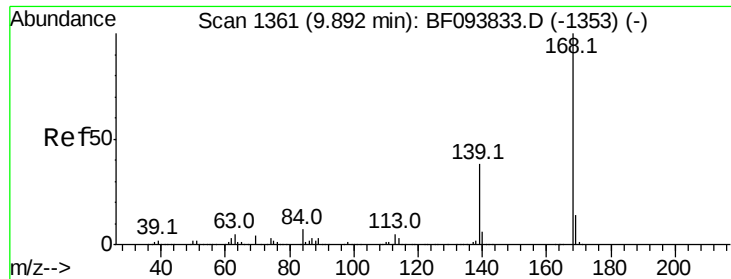


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

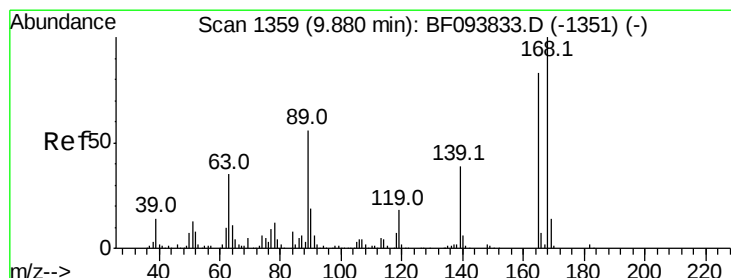
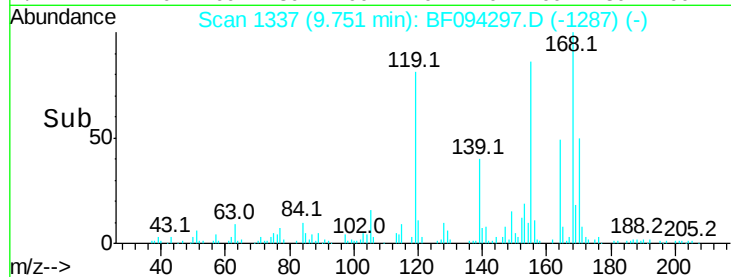
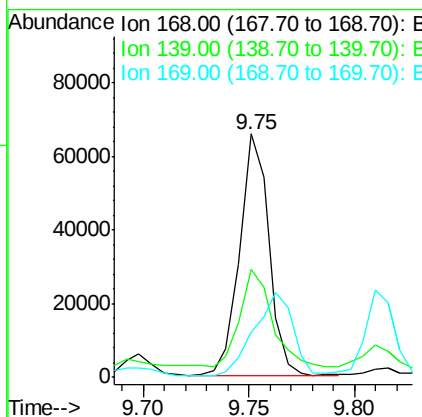
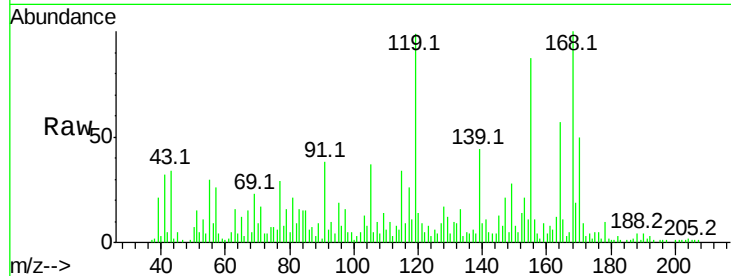




#54
Dibenzofuran
Concen: 4.26 ng
RT: 9.75 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

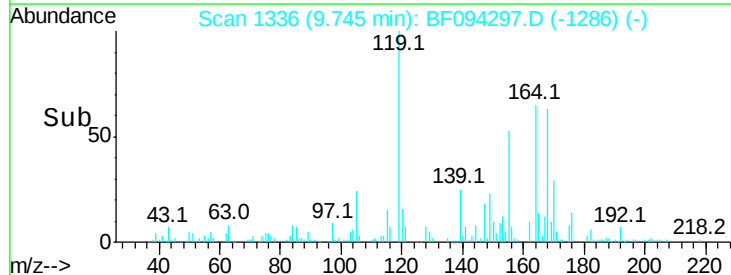
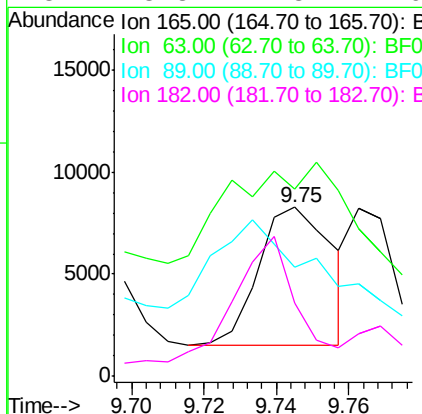
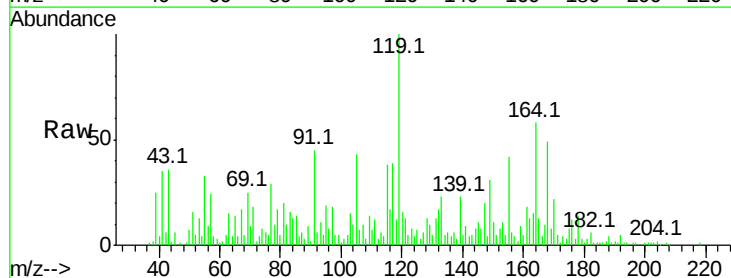
Instrument :
BNA_F
ClientSampleId :
TW-10

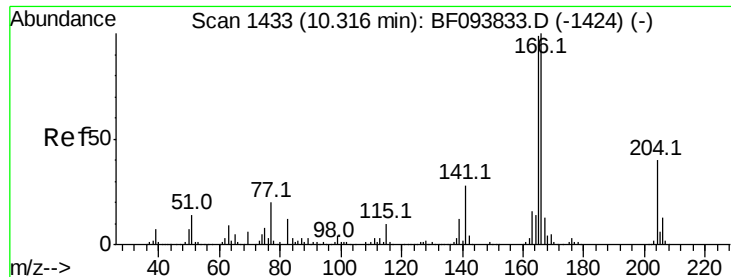
Tot Ion:168 Resp: 63041
Ion Ratio Lower Upper
168 100
139 44.3 30.6 45.8
169 18.6 10.8 16.2#



#56
2,4-Dinitrotoluene
Concen: 2.64 ng
RT: 9.75 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:165 Resp: 9598
Ion Ratio Lower Upper
165 100
63 110.8 25.4 38.0#
89 64.7 46.4 69.6
182 43.3 1.8 2.6#

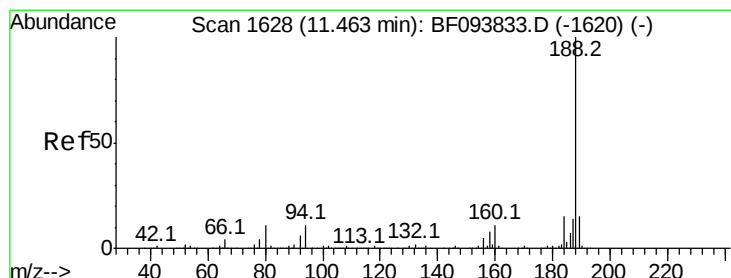
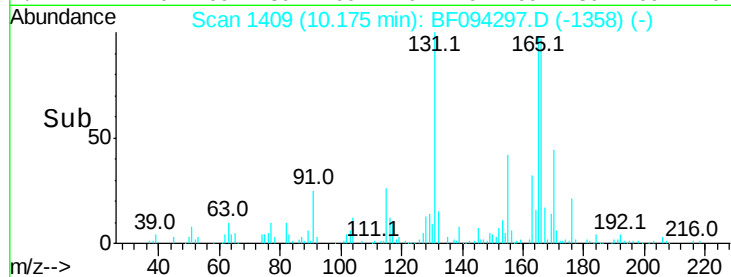
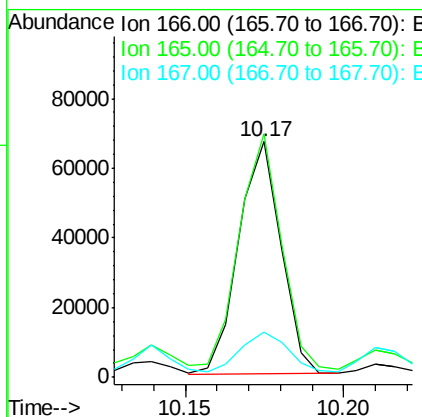
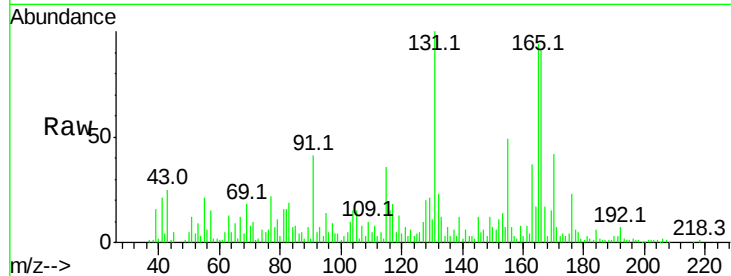




#57
 Fluorene
 Concen: 5.02 ng
 RT: 10.17 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

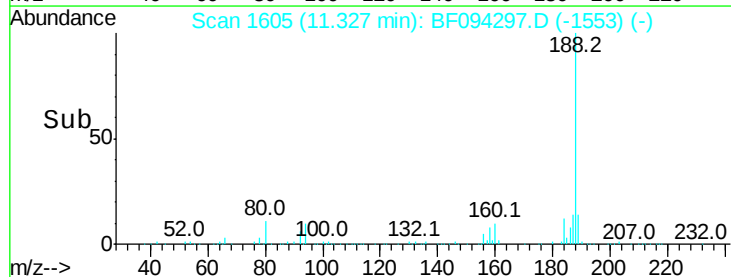
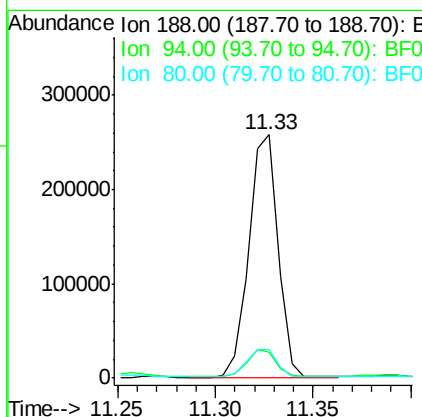
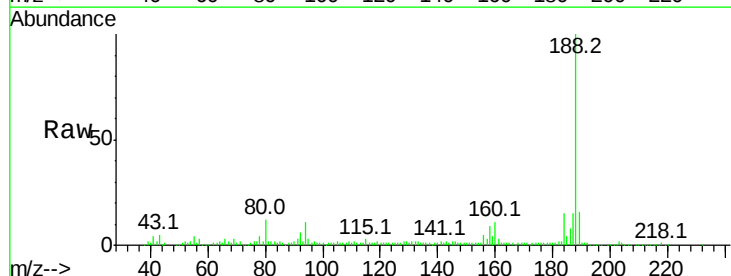
Instrument :
 BNA_F
 ClientSampleId :
 TW-10

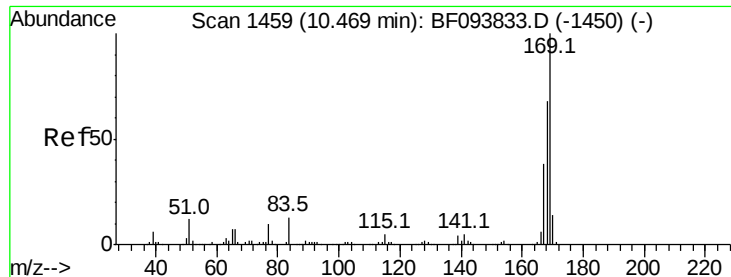
Tot Ion:166 Resp: 61678
 Ion Ratio Lower Upper
 166 100
 165 103.2 78.8 118.2
 167 19.1 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

Tgt Ion:188 Resp: 264880
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.5 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 2.48 ng

RT: 10.33 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampled :

TW-10

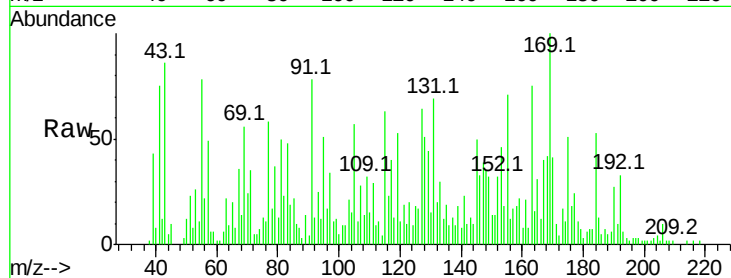
Tot Ion:169 Resp: 22717

Ion Ratio Lower Upper

169 100

168 42.3 53.2 79.8#

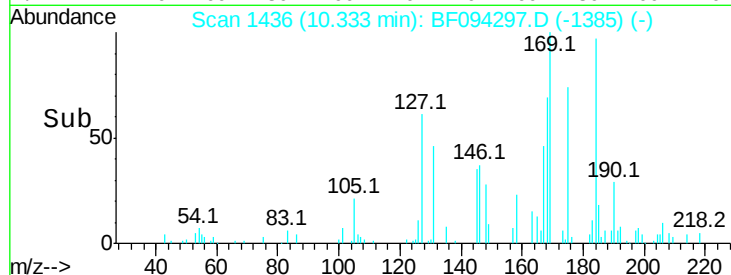
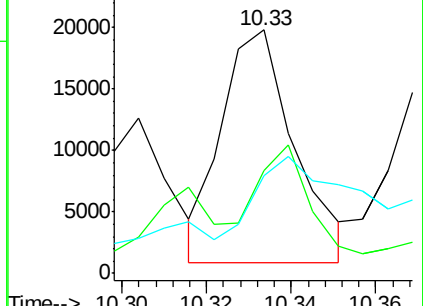
167 40.0 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 5.97 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

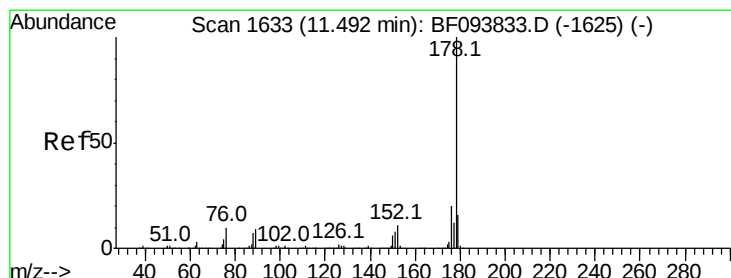
Tgt Ion:178 Resp: 87935

Ion Ratio Lower Upper

178 100

176 23.5 16.2 24.4

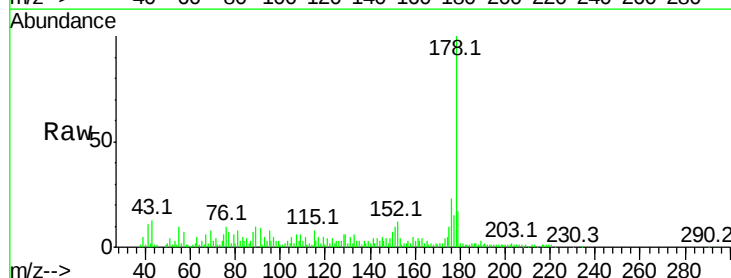
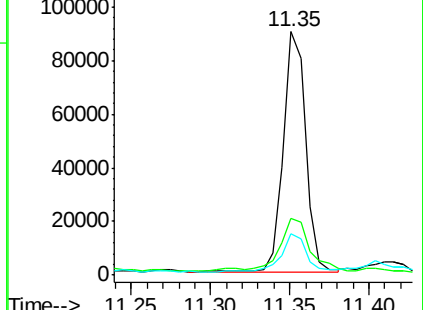
179 16.8 12.6 19.0

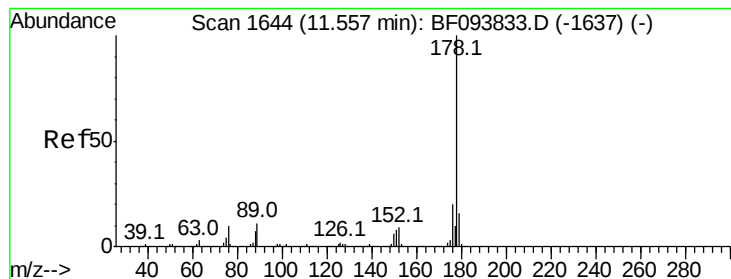


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.80 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.06 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

Instrument :

BNA_F

ClientSampleId :

TW-10

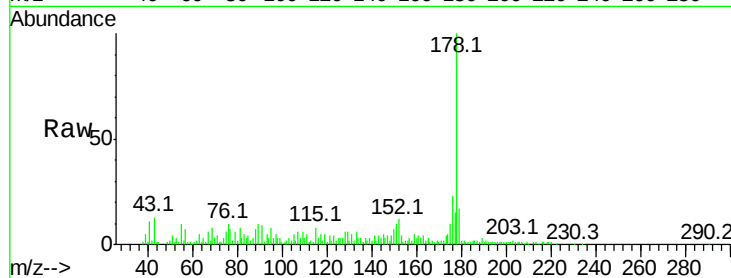
Tot Ion:178 Resp: 87935

Ion Ratio Lower Upper

178 100

176 23.5 15.8 23.8

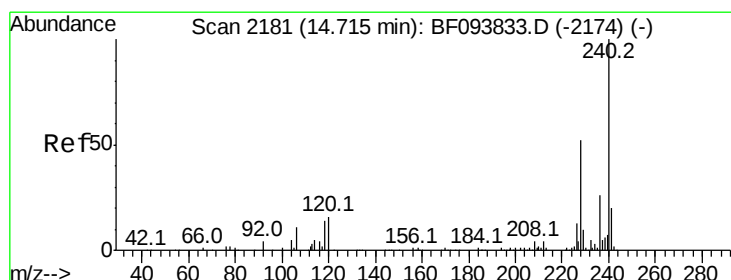
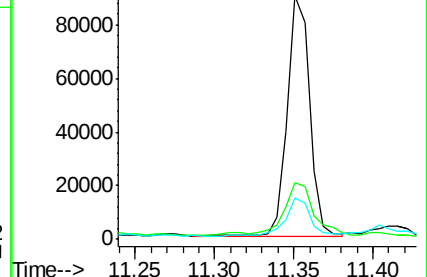
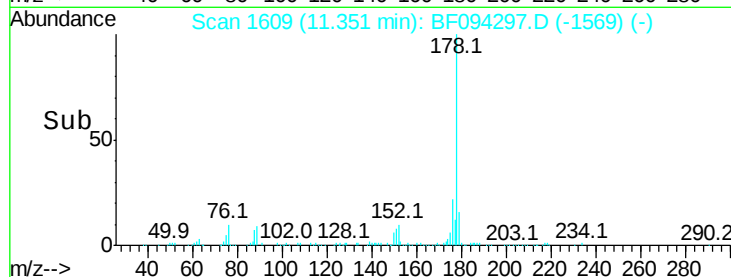
179 16.8 12.7 19.1



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: 14.57 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF094297.D

Acq: 8 Apr 2017 3:55

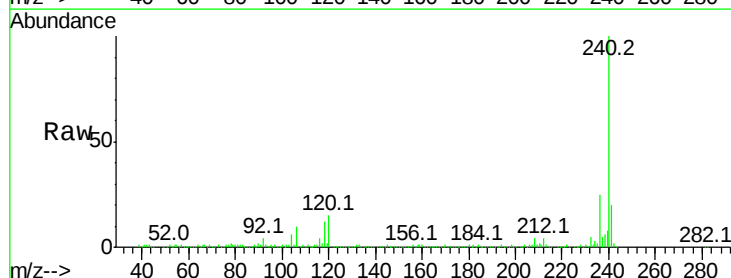
Tgt Ion:240 Resp: 261870

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

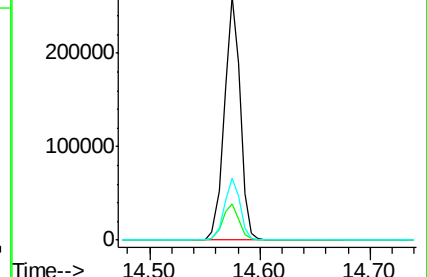
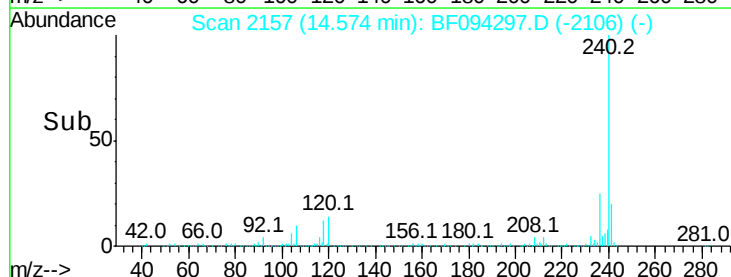
236 25.3 20.5 30.7

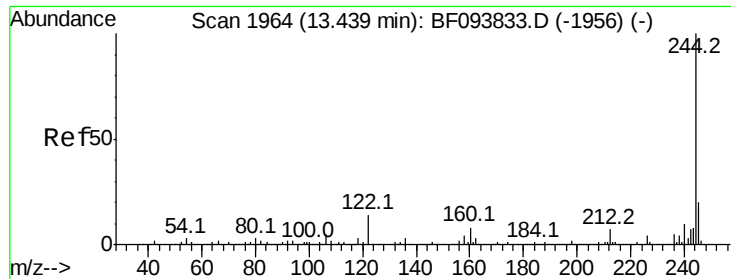


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

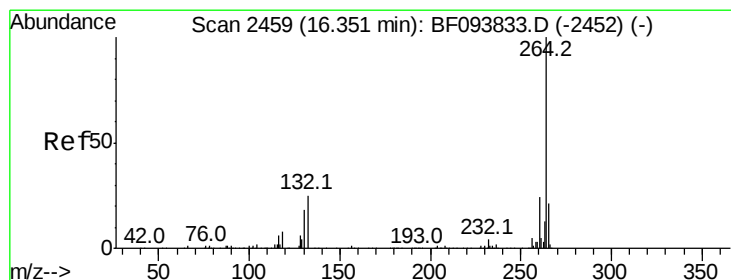
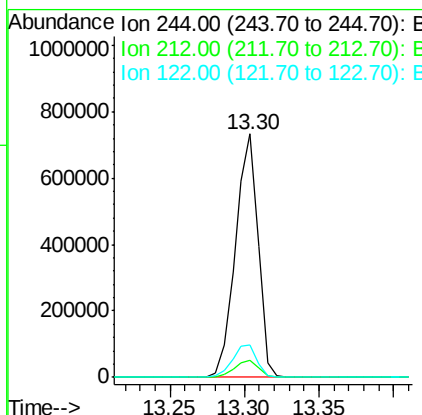
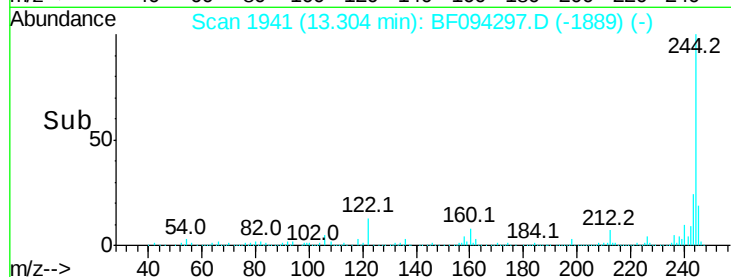
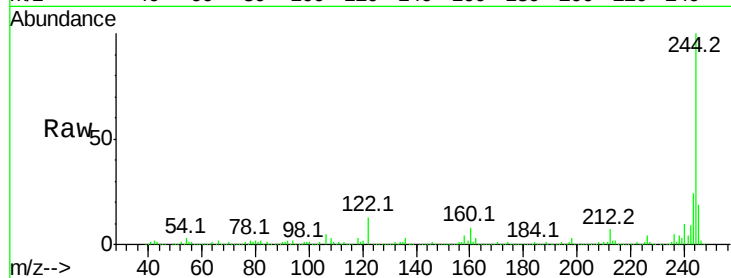




#78
 Terphenyl-d14
 Concen: 66.54 ng
 RT: 13.30 min Scan# 1941
 Delta R.T. 0.01 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

Instrument :
 BNA_F
 ClientSampleId :
 TW-10

Tot Ion:244 Resp: 777339
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BF094297.D
 Acq: 8 Apr 2017 3:55

Tgt Ion:264 Resp: 210740
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.6 17.2 25.8

