

Data Path : Z:\HPCHEM1\BNA F\Data\BF040717\
 Data File : BF094271.D
 Acq On : 7 Apr 2017 14:24
 Operator : SJ/MA
 Sample : I2528-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1

Quant Time: Apr 07 15:14:22 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

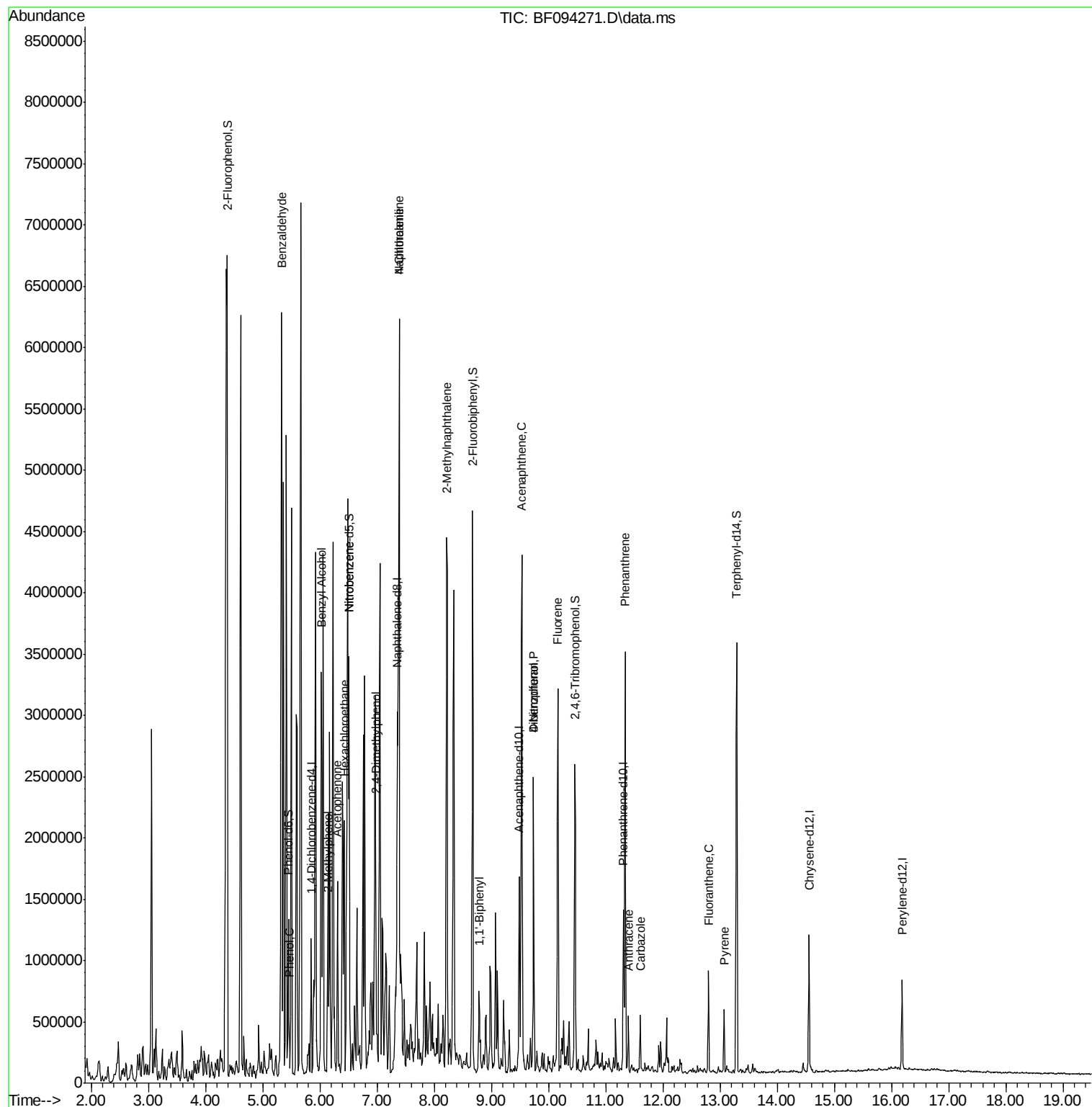
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.845	152	184577	20.00	ng	-0.01
21) Naphthalene-d8	7.351	136	690656	20.00	ng	-0.01
38) Acenaphthene-d10	9.486	164	338881	20.00	ng	-0.01
63) Phenanthrene-d10	11.310	188	583262	20.00	ng	-0.01
75) Chrysene-d12	14.557	240	430667	20.00	ng	-0.02
86) Perylene-d12	16.186	264	290850	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.387	112	462737	42.34	ng	0.00
7) Phenol-d6	5.457	99	499392	36.94	ng	0.00
23) Nitrobenzene-d5	6.504	82	955732	78.97	ng	0.00
41) 2,4,6-Tribromophenol	10.463	330	332856	124.30	ng	-0.01
44) 2-Fluorobiphenyl	8.675	172	1839587	82.80	ng	-0.01
78) Terphenyl-d14	13.292	244	1382139	71.94	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.334	77	382919	41.95	ng	# 1
10) Phenol	5.469	94	49178	3.20	ng	88
15) Benzyl Alcohol	6.028	79	24316	2.46	ng	# 45
17) 2-Methylphenol	6.157	107	53234	5.17	ng	# 82
18) Hexachloroethane	6.428	117	73035	15.23	ng	# 1
22) Acetophenone	6.310	105	658459	42.78	ng	# 50
24) Nitrobenzene	6.516	77	42731	3.58	ng	# 1
27) 2,4-Dimethylphenol	6.981	122	42865	4.37	ng	92
31) Naphthalene	7.386	128	3962939	119.33	ng	97
33) 4-Chloroaniline	7.386	127	571244	42.44	ng	# 31
37) 2-Methylnaphthalene	8.222	142	1710977	77.29	ng	100
45) 1,1'-Biophenyl	8.786	154	183959	6.73	ng	97
51) Acenaphthene	9.533	154	1172895	56.53	ng	99
54) Dibenzofuran	9.745	168	1187851	42.05	ng	98
55) 4-Nitrophenol	9.739	139	449597	88.54	ng	# 27
57) Fluorene	10.163	166	1077718	46.01	ng	99
70) Phenanthrene	11.345	178	1535077	47.31	ng	99
71) Anthracene	11.398	178	181011	5.42	ng	97
72) Carbazole	11.604	167	190945	5.57	ng	96
74) Fluoranthene	12.798	202	357509	10.76	ng	99
77) Pyrene	13.074	202	209355	6.70	ng	98

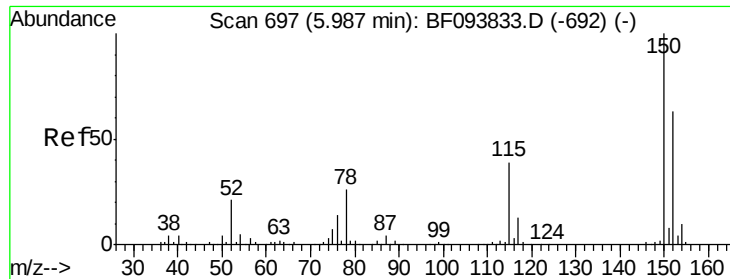
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF040717\
Data File : BF094271.D
Acq On : 7 Apr 2017 14:24
Operator : SJ/MA
Sample : I2528-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-1

Quant Time: Apr 07 15:14:22 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.845 min Scan# 67

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

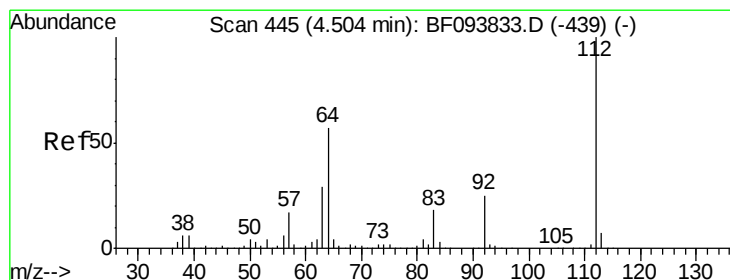
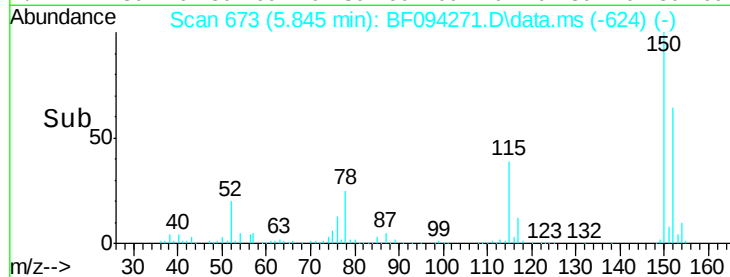
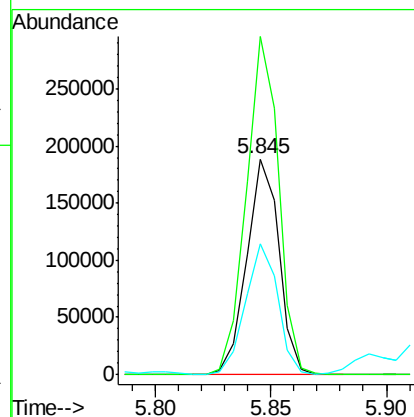
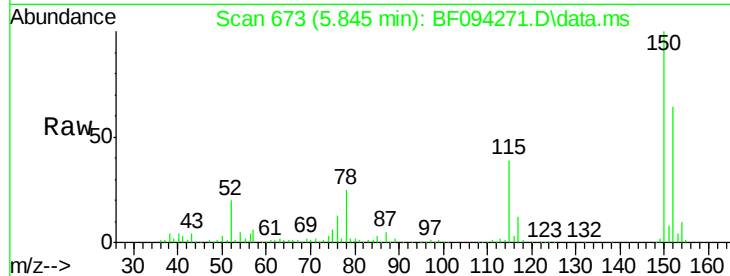
Tot Ion:152 Resp: 184577

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

115 60.7 52.2 78.2



#5

2-Fluorophenol

Concen: 42.34 ng

RT: 4.387 min Scan# 425

Delta R.T. -0.000 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

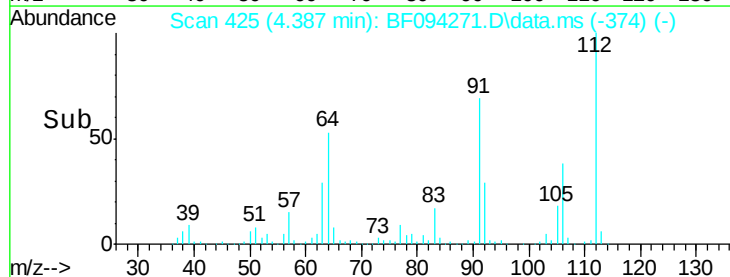
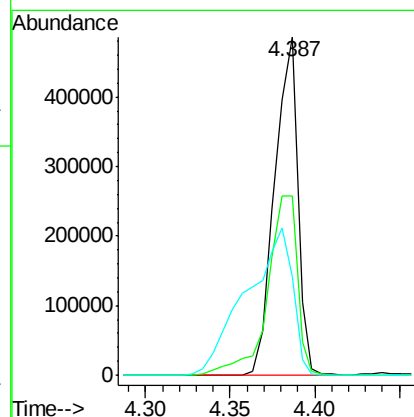
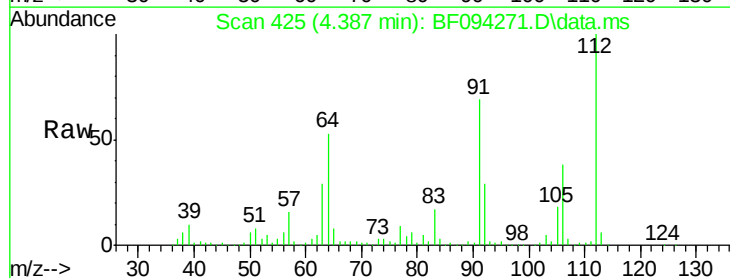
Tgt Ion:112 Resp: 462737

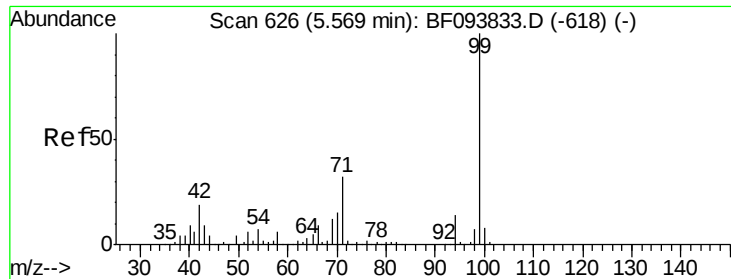
Ion Ratio Lower Upper

112 100

64 53.1 46.0 69.0

63 29.1 23.4 35.0





#7

Phenol-d6

Concen: 36.94 ng

RT: 5.457 min Scan# 60

Delta R.T. -0.006 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

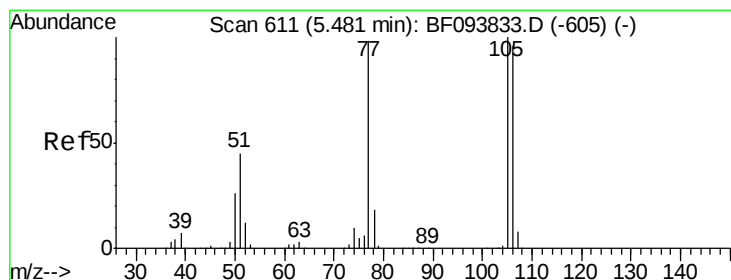
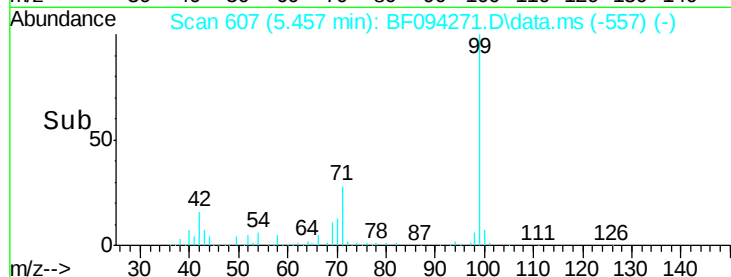
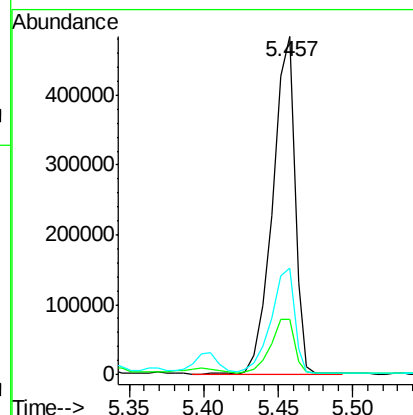
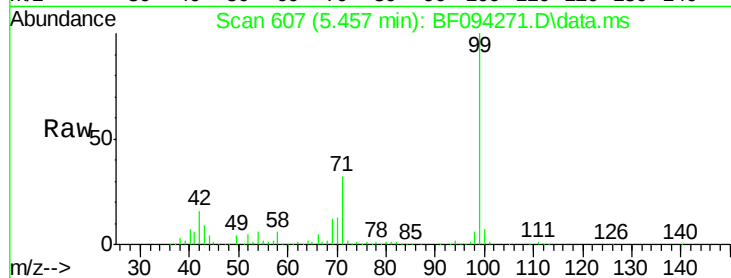
Tot Ion: 99 Resp: 499392

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 31.6 24.5 36.7



#9

Benzaldehyde

Concen: 41.95 ng

RT: 5.334 min Scan# 586

Delta R.T. -0.018 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

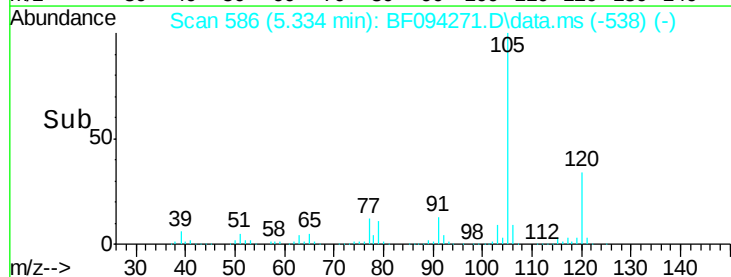
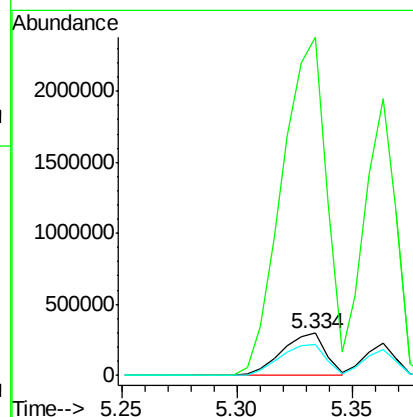
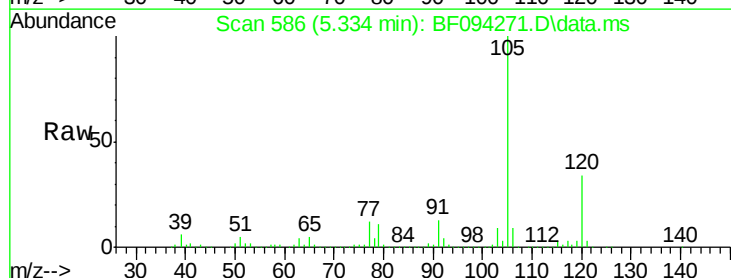
Tgt Ion: 77 Resp: 382919

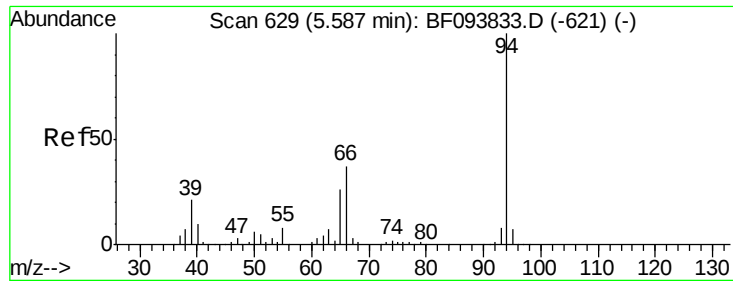
Ion Ratio Lower Upper

77 100

105 806.8 83.8 123.8#

106 74.8 79.1 119.1#





#10

Phenol

Concen: 3.20 ng

RT: 5.469 min Scan# 60

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

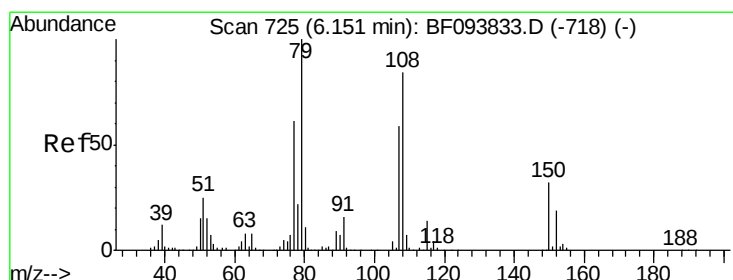
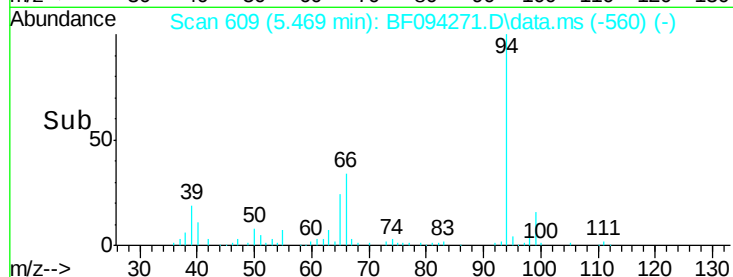
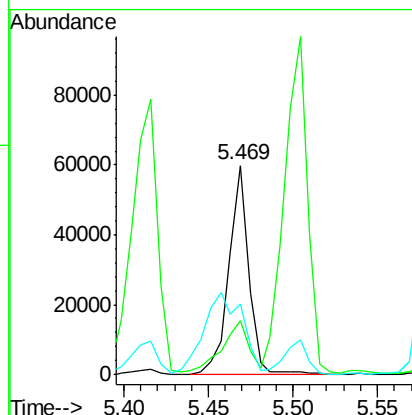
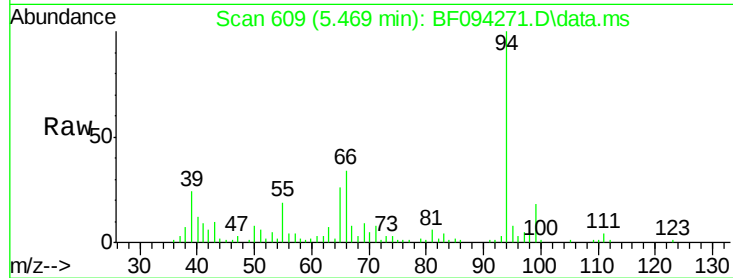
Tot Ion: 94 Resp: 49178

Ion Ratio Lower Upper

94 100

65 25.6 9.9 49.9

66 34.1 23.1 63.1



#15

Benzyl Alcohol

Concen: 2.46 ng

RT: 6.028 min Scan# 704

Delta R.T. -0.000 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

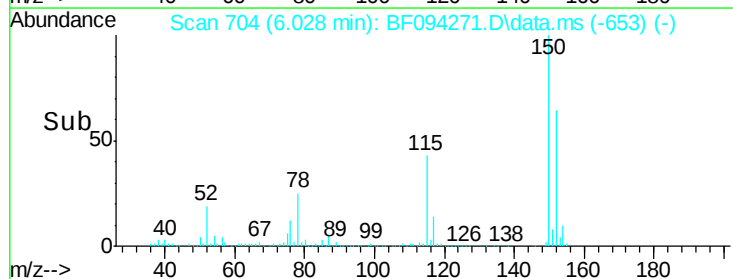
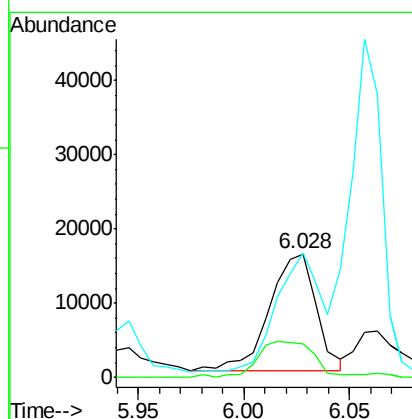
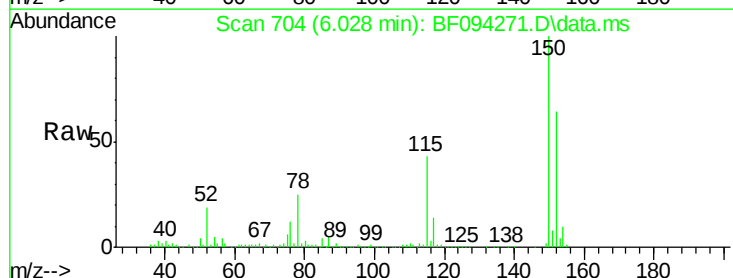
Tgt Ion: 79 Resp: 24316

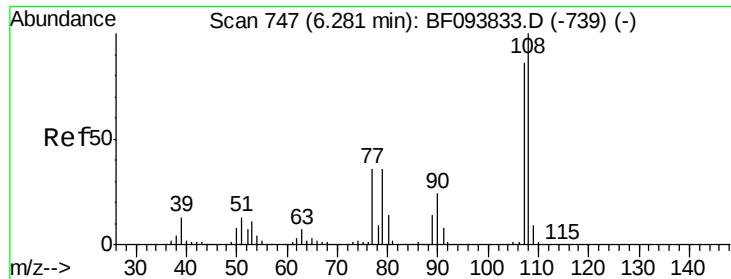
Ion Ratio Lower Upper

79 100

108 27.6 63.4 95.0#

77 100.4 49.2 73.8#

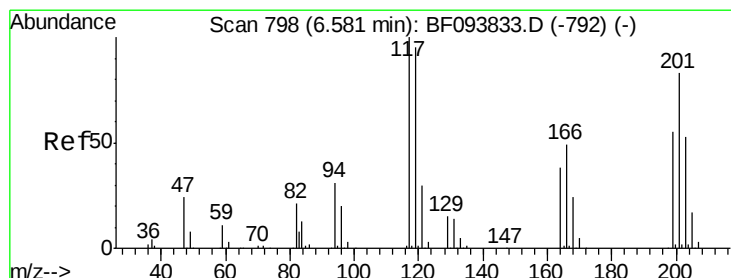
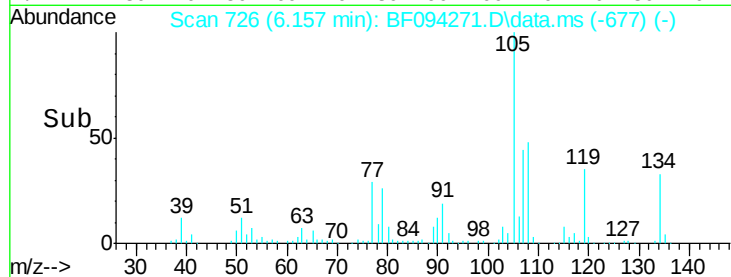
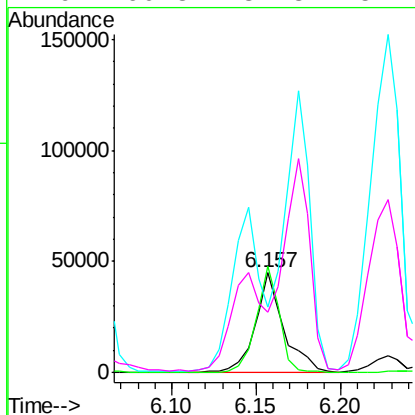
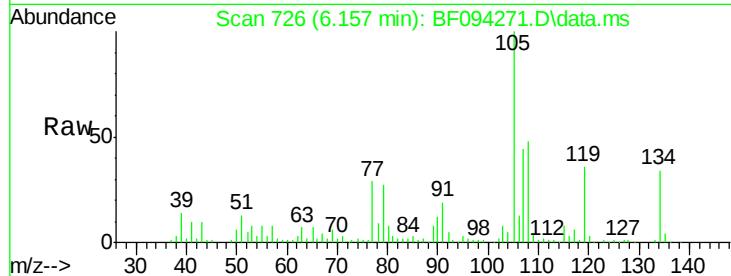




#17
2-Methylphenol
Concen: 5.17 ng
RT: 6.157 min Scan# 72
Delta R.T. -0.012 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

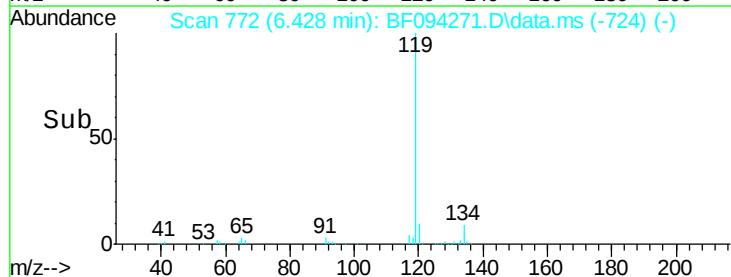
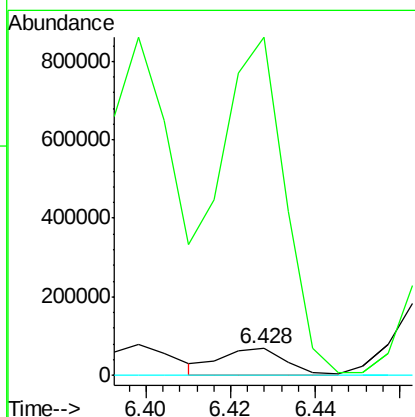
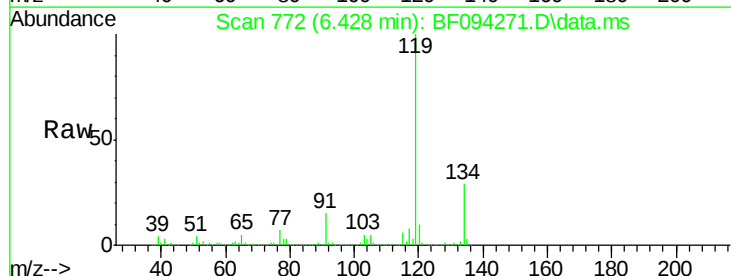
Instrument :
BNA_F
ClientSampleId :
TW-1

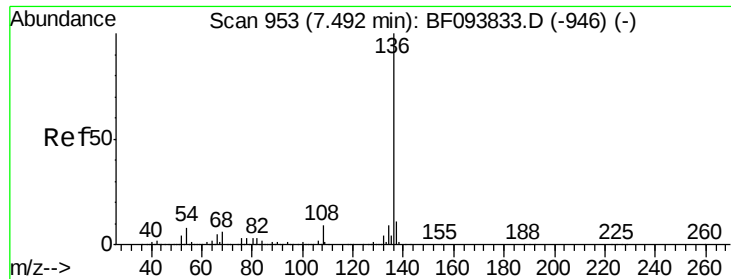
Tot Ion	Ratio	Lower	Upper
107	100		
108	107.3	93.4	140.0
77	65.8	35.8	53.6#
79	60.8	34.8	52.2#



#18
Hexachloroethane
Concen: 15.23 ng
RT: 6.428 min Scan# 772
Delta R.T. -0.018 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	1278.7	77.4	116.0#
201	0.0	94.6	141.8#

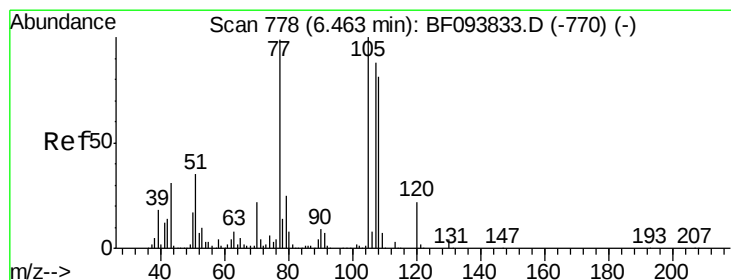
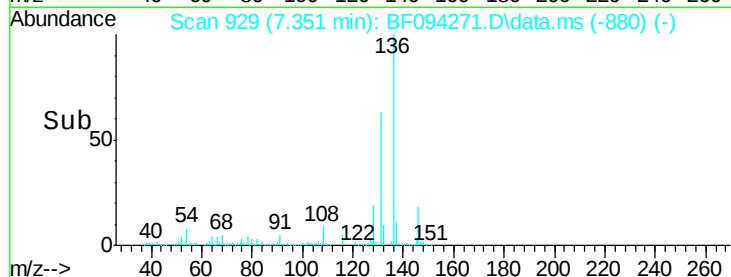
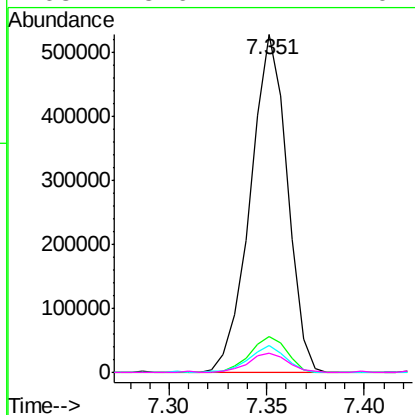
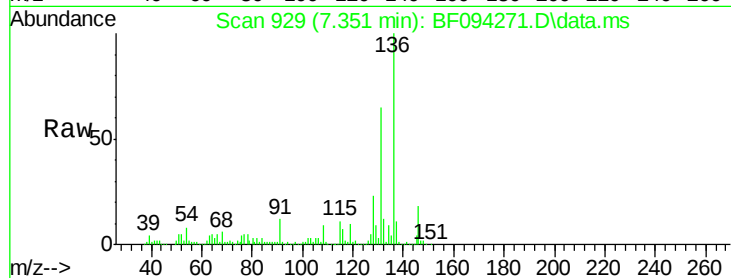




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.351 min Scan# 92
Delta R.T. -0.012 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

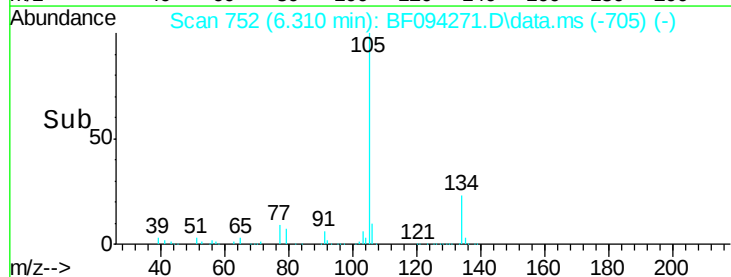
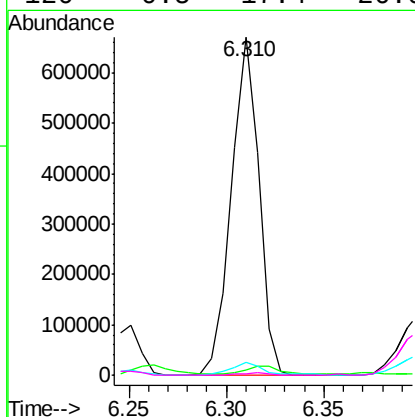
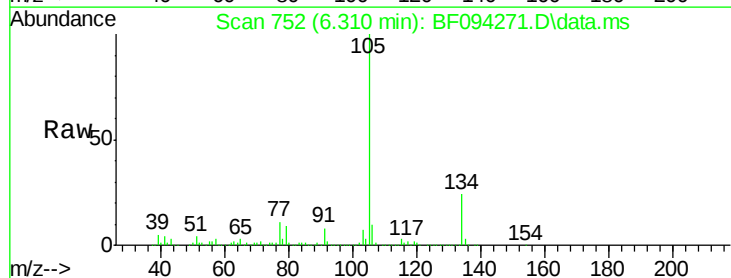
Instrument :
BNA_F
ClientSampleId :
TW-1

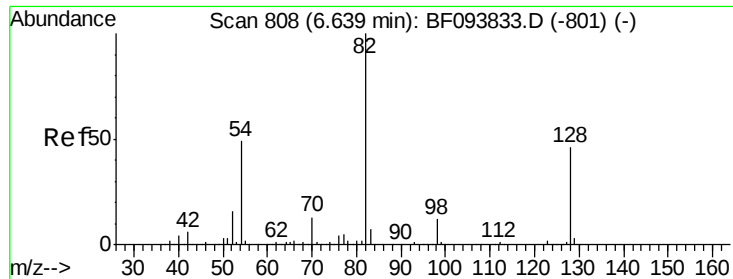
Tot Ion:136	Resp: 690656
Ion Ratio	Lower Upper
136 100	
137 10.6	8.5 12.7
54 7.9	4.9 7.3#
68 5.6	4.1 6.1



#22
Acetophenone
Concen: 42.78 ng
RT: 6.310 min Scan# 752
Delta R.T. -0.024 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:105	Resp: 658459
Ion Ratio	Lower Upper
105 100	
71 1.7	2.8 4.2#
51 3.7	30.7 46.1#
120 0.5	17.4 26.0#

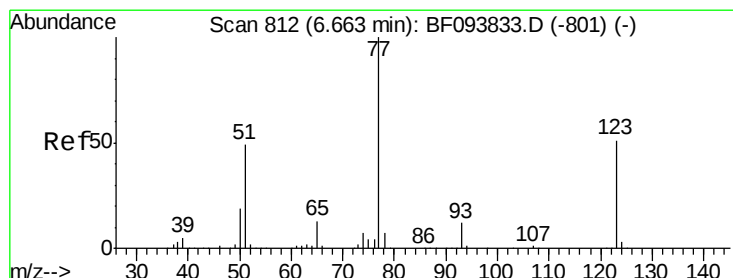
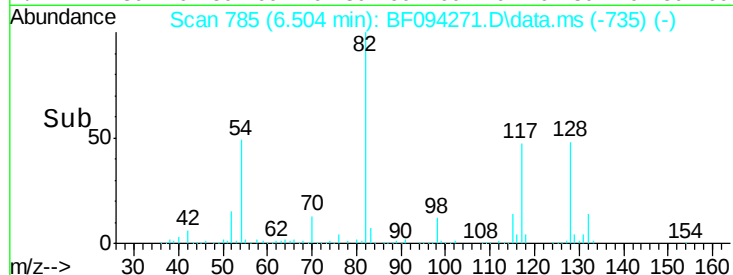
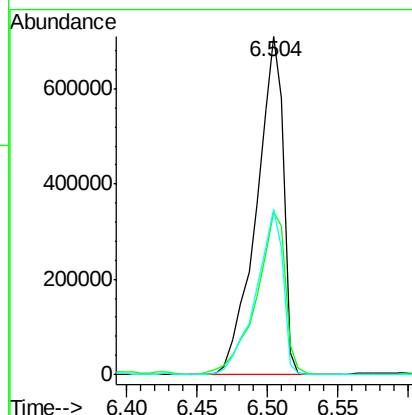
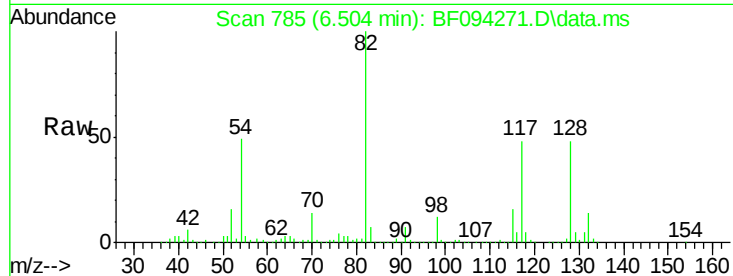




#23
Nitrobenzene-d5
Concen: 78.97 ng
RT: 6.504 min Scan# 78
Delta R.T. -0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

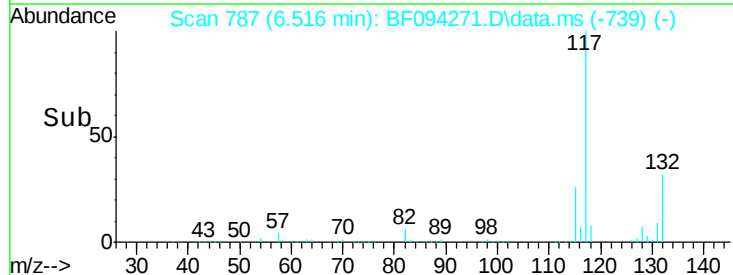
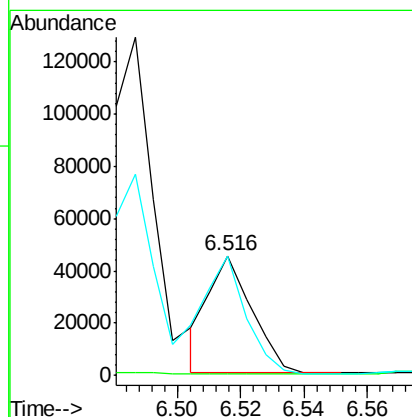
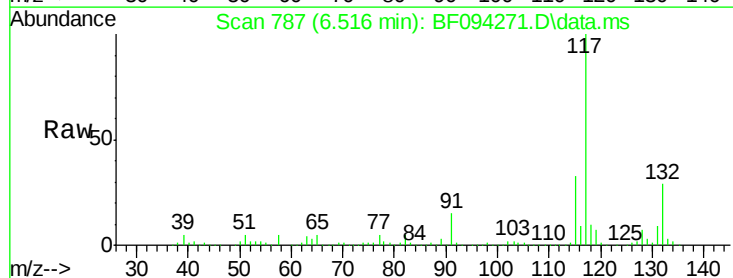
Instrument :
BNA_F
ClientSampleId :
TW-1

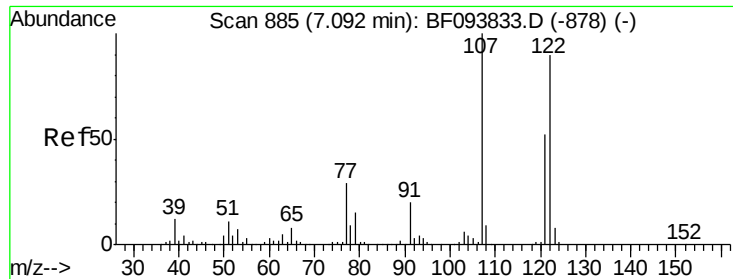
Tot Ion: 82 Resp: 955732
Ion Ratio Lower Upper
82 100
128 48.3 34.0 51.0
54 49.1 42.2 63.2



#24
Nitrobenzene
Concen: 3.58 ng
RT: 6.516 min Scan# 787
Delta R.T. -0.018 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion: 77 Resp: 42731
Ion Ratio Lower Upper
77 100
123 1.1 35.8 53.8#
65 99.8 10.6 15.8#

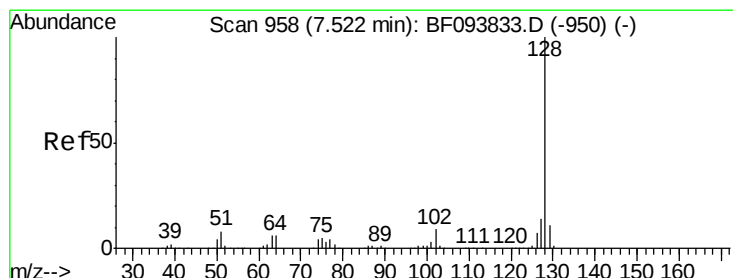
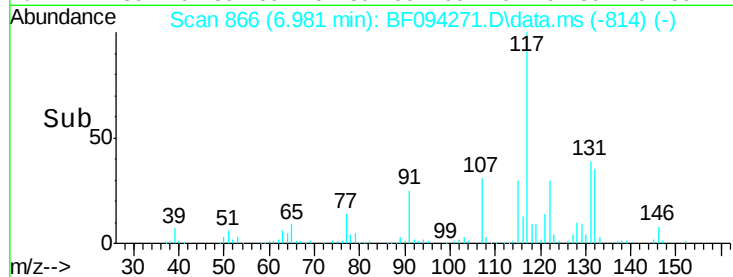
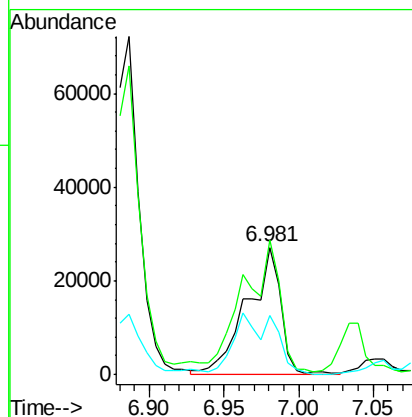
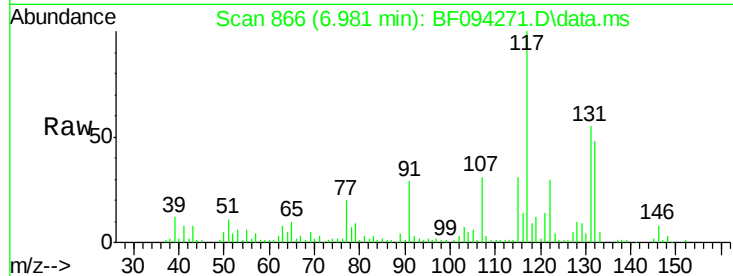




#27
2,4-Dimethylphenol
Concen: 4.37 ng
RT: 6.981 min Scan# 86
Delta R.T. 0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

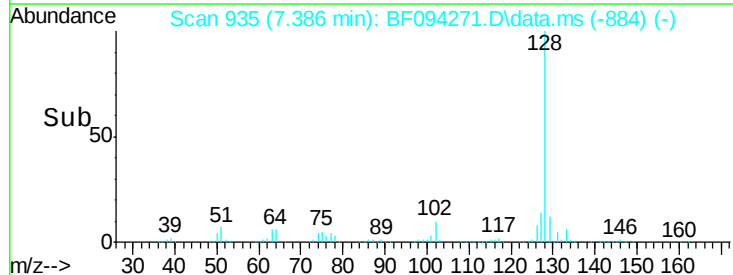
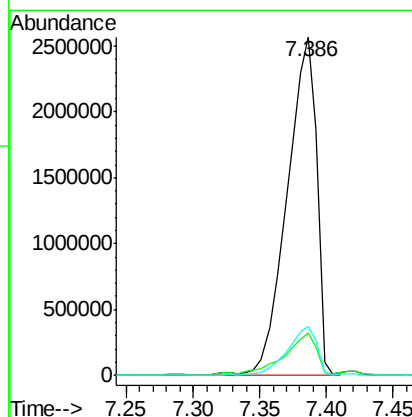
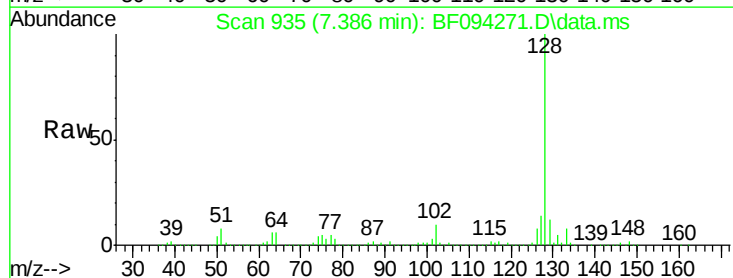
Instrument :
BNA_F
ClientSampled :
TW-1

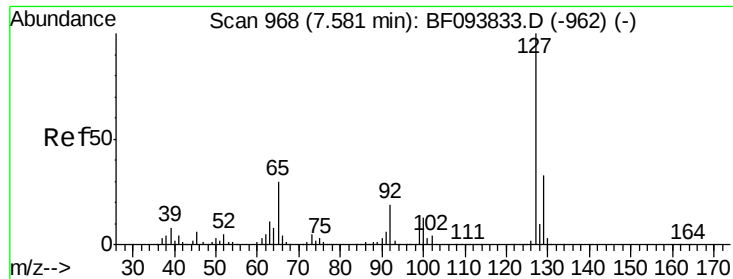
Tot Ion:122 Resp: 42865
Ion Ratio Lower Upper
122 100
107 105.6 89.2 133.8
121 46.7 45.2 67.8



#31
Naphthalene
Concen: 119.33 ng
RT: 7.386 min Scan# 935
Delta R.T. -0.000 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:128 Resp: 3962939
Ion Ratio Lower Upper
128 100
129 12.4 9.0 13.6
127 14.4 10.8 16.2

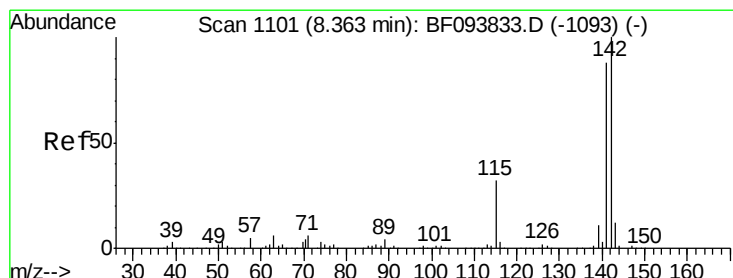
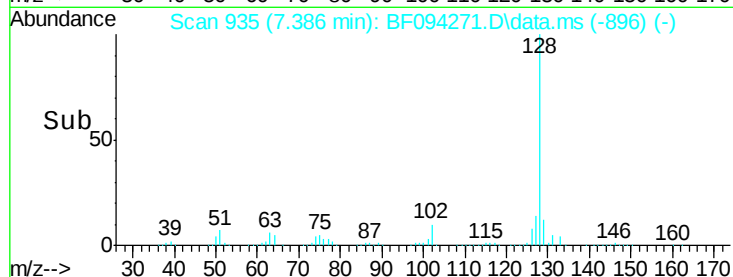
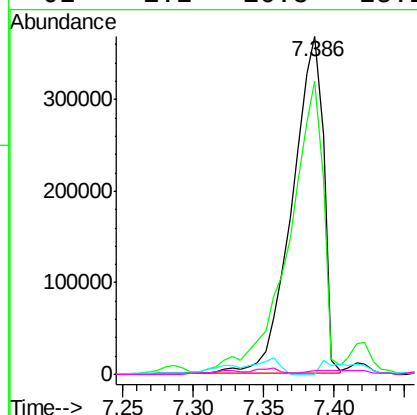
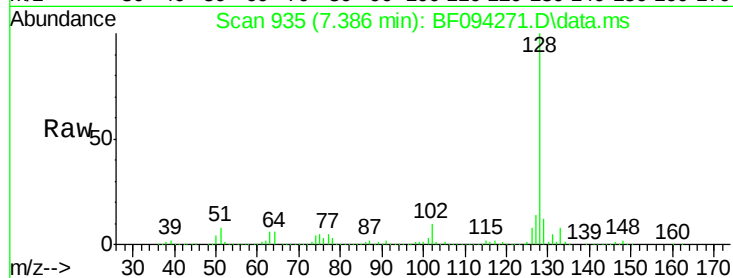




#33
4-Chloroaniline
Concen: 42.44 ng
RT: 7.386 min Scan# 93
Delta R.T. -0.071 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

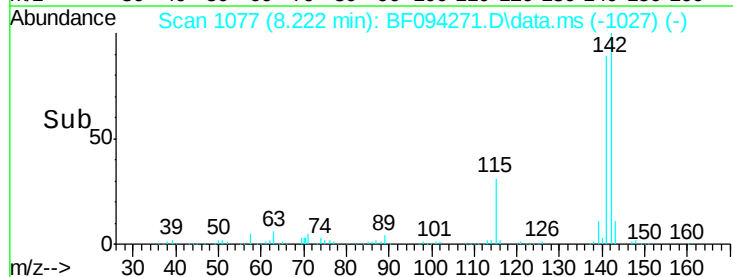
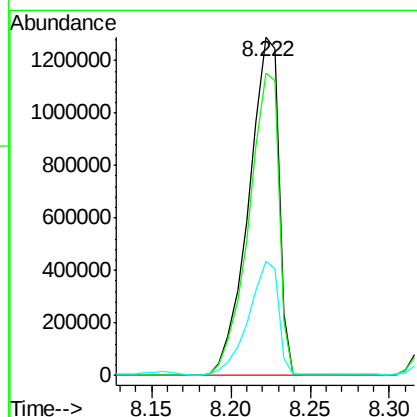
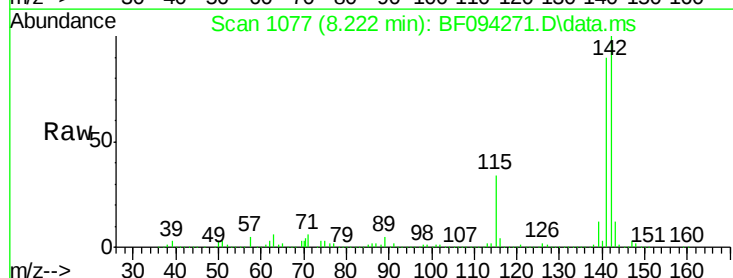
Instrument :
BNA_F
ClientSampleId :
TW-1

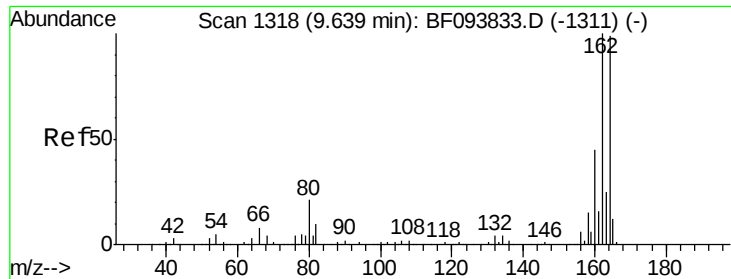
Tot Ion:127	Resp:	571244
Ion Ratio	Lower	Upper
127	100	
129	86.7	26.2 39.2#
65	0.0	27.8 41.8#
92	1.2	16.8 25.2#



#37
2-Methylnaphthalene
Concen: 77.29 ng
RT: 8.222 min Scan# 1077
Delta R.T. -0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:142	Resp:	1710977
Ion Ratio	Lower	Upper
142	100	
141	89.5	71.3 106.9
115	33.8	27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.486 min Scan# 12

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

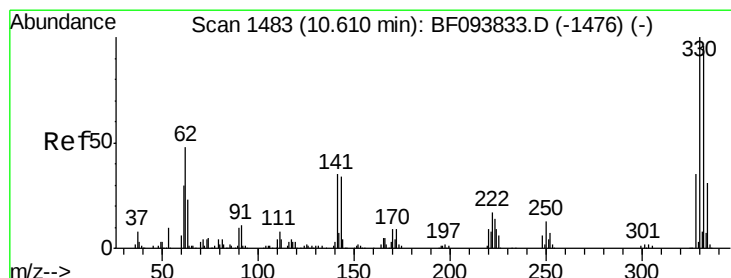
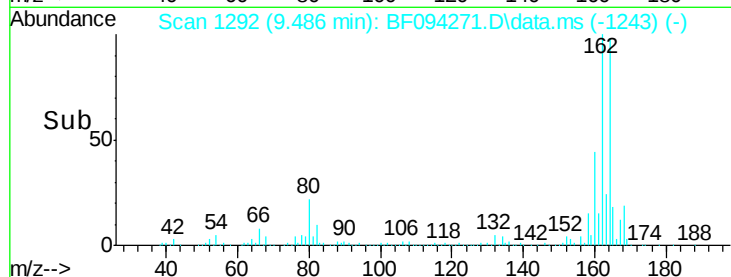
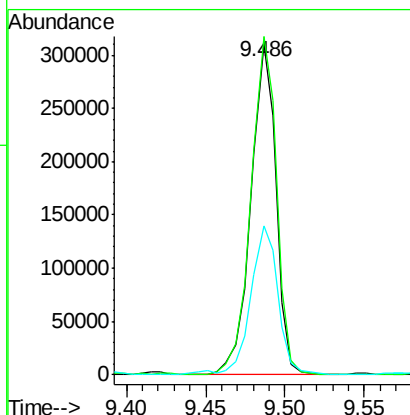
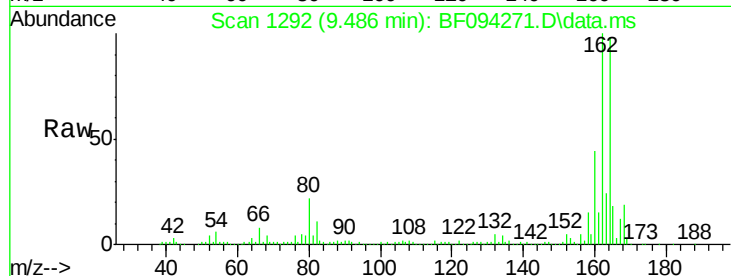
Tot Ion:164 Resp: 338881

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

160 45.2 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 124.30 ng

RT: 10.463 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

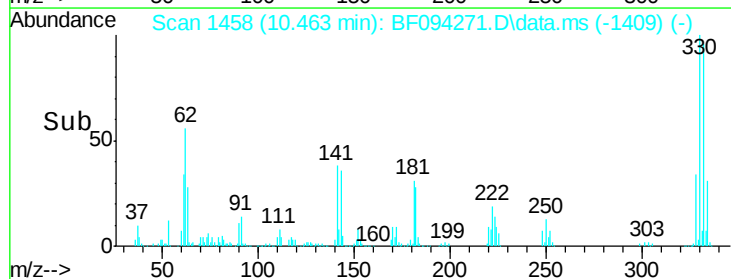
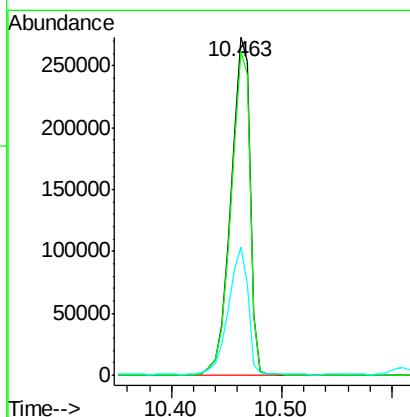
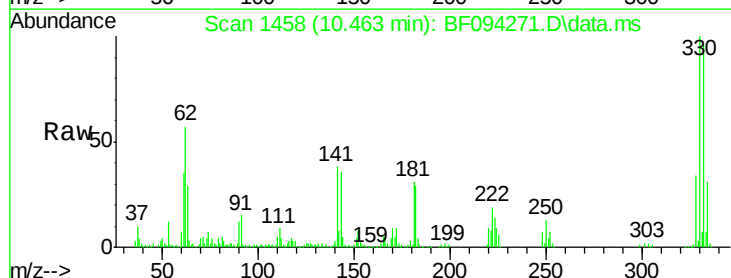
Tgt Ion:330 Resp: 332856

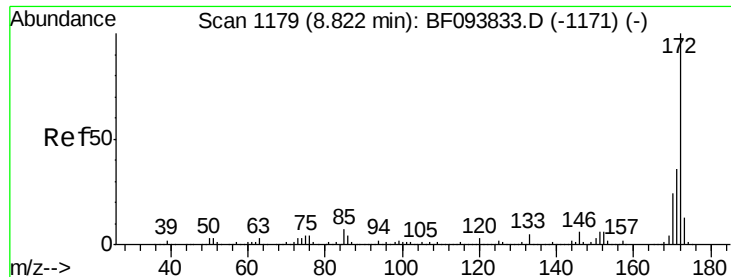
Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 38.3 31.4 47.2

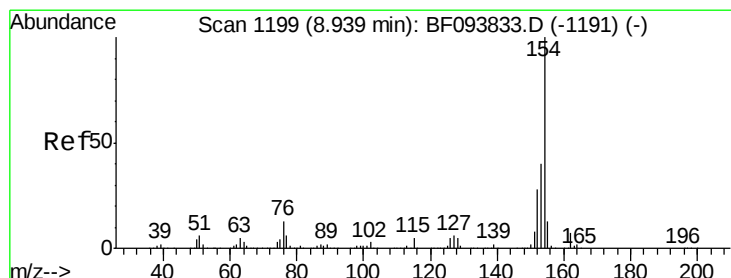
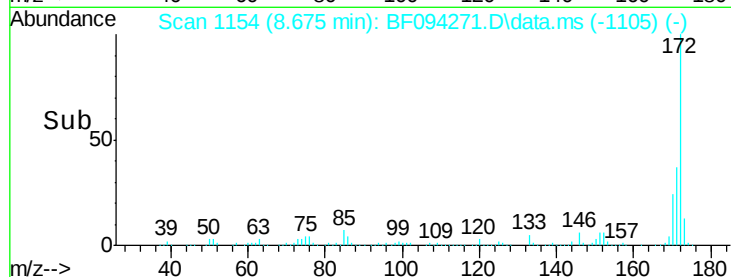
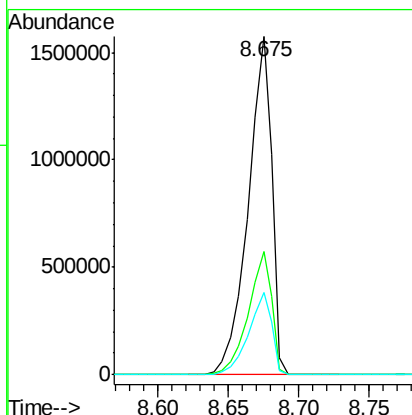
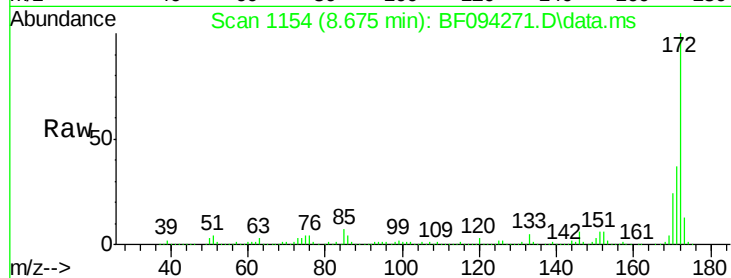




#44
2-Fluorobiphenyl
Concen: 82.80 ng
RT: 8.675 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

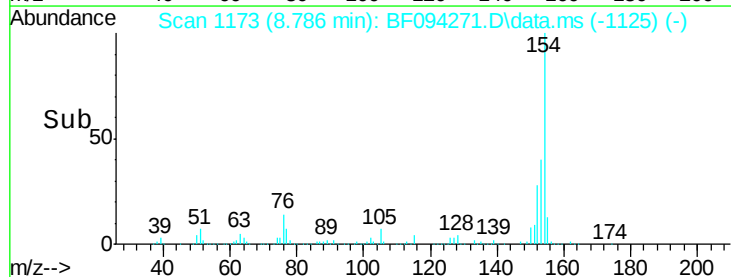
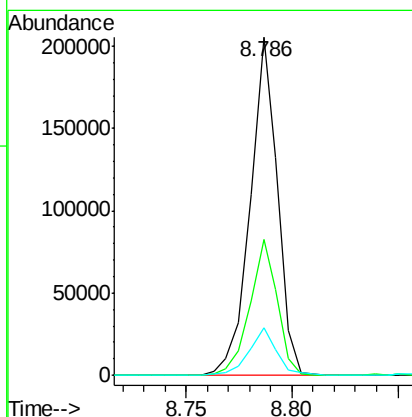
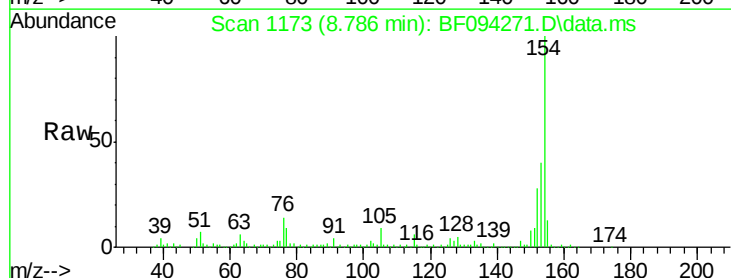
Instrument :
BNA_F
ClientSampleId :
TW-1

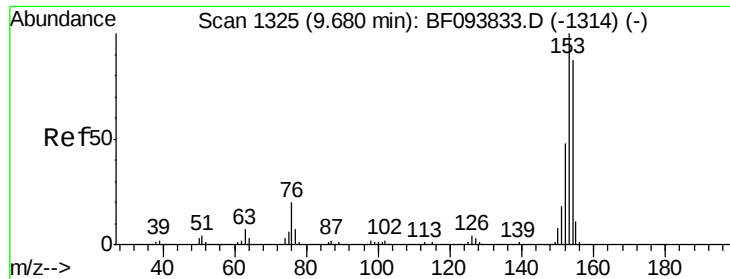
Tot Ion:172 Resp: 1839587
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.2 19.8 29.8



#45
1,1'-Biphenyl
Concen: 6.73 ng
RT: 8.786 min Scan# 1173
Delta R.T. -0.018 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:154 Resp: 183959
Ion Ratio Lower Upper
154 100
153 40.2 21.2 61.2
76 14.0 0.0 29.9





#51

Acenaphthene

Concen: 56.53 ng

RT: 9.533 min Scan# 13

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

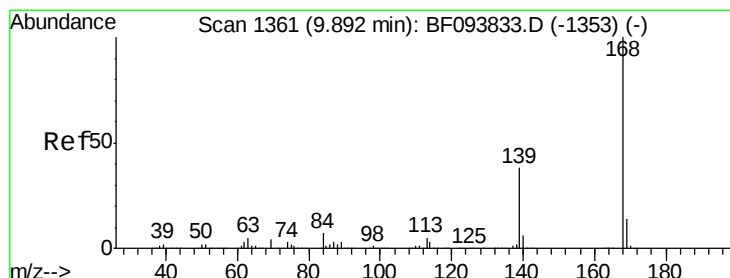
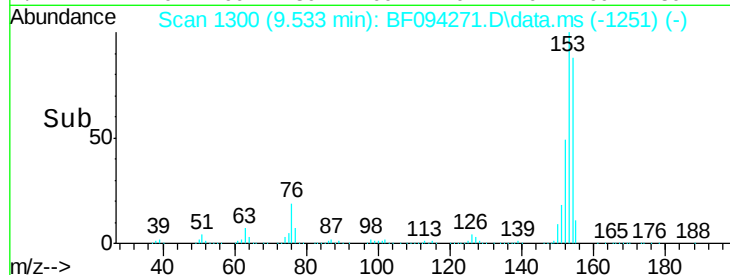
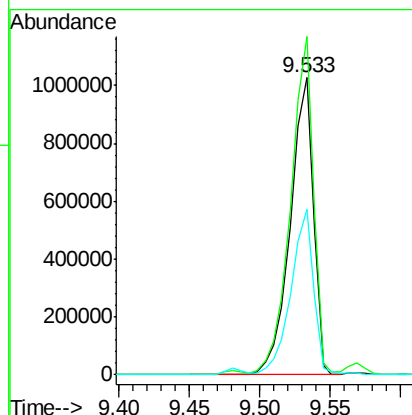
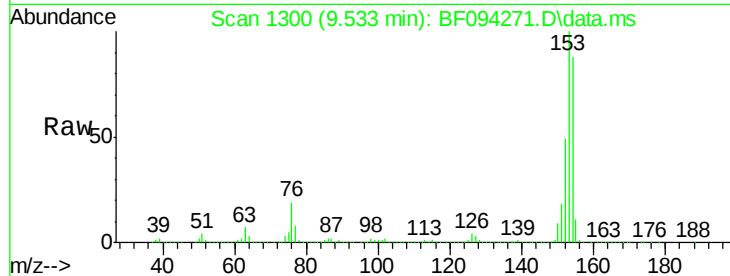
Tot Ion:154 Resp: 1172895

Ion Ratio Lower Upper

154 100

153 113.8 90.5 135.7

152 55.7 43.6 65.4



#54

Dibenzofuran

Concen: 42.05 ng

RT: 9.745 min Scan# 1336

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

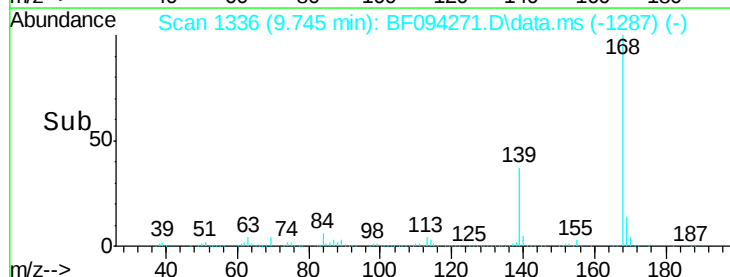
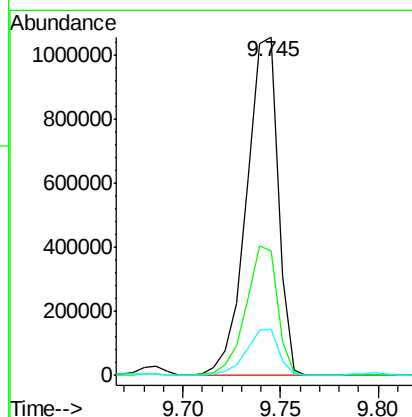
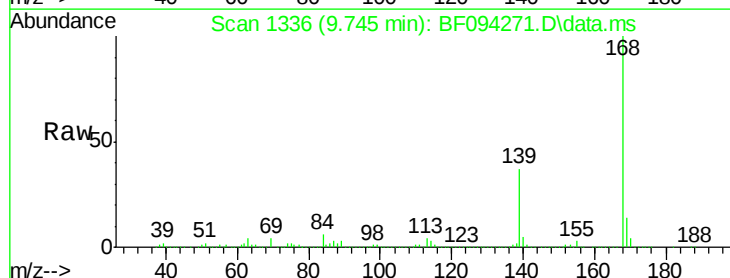
Tgt Ion:168 Resp: 1187851

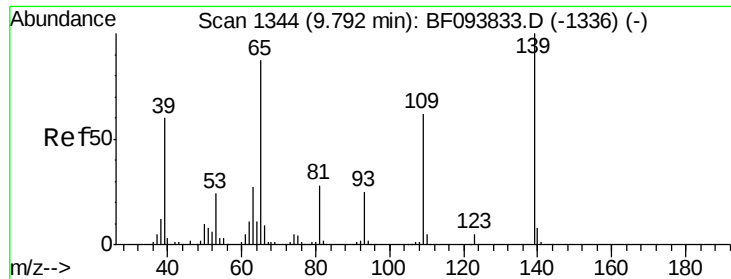
Ion Ratio Lower Upper

168 100

139 36.7 30.6 45.8

169 13.6 10.8 16.2





#55

4-Nitrophenol

Concen: 88.54 ng

RT: 9.739 min Scan# 13

Delta R.T. 0.047 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

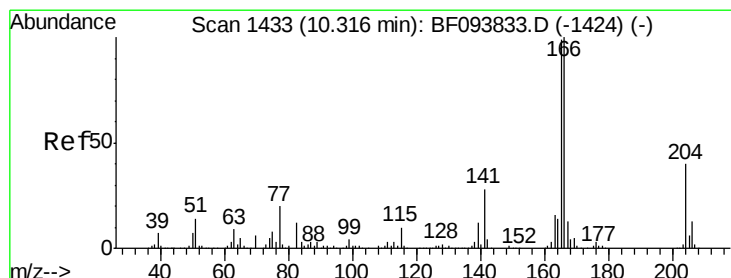
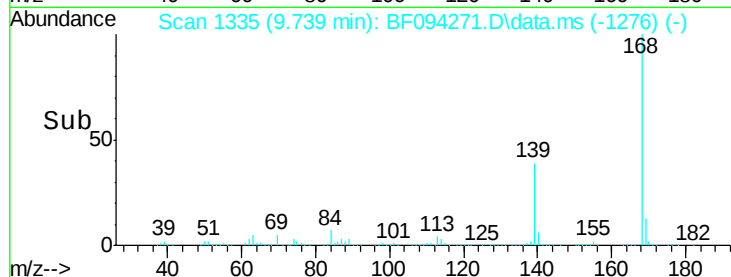
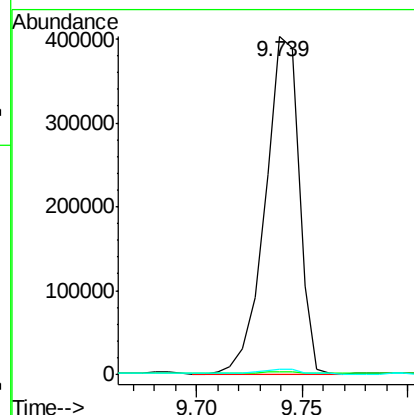
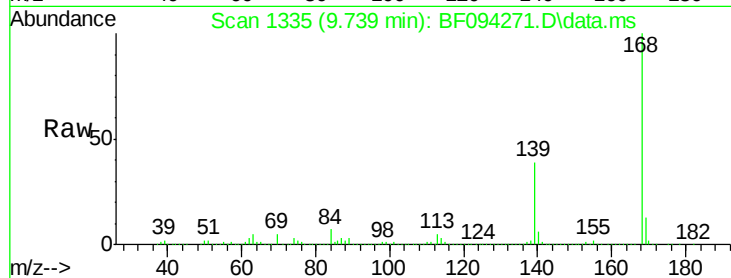
Tot Ion:139 Resp: 449597

Ion Ratio Lower Upper

139 100

109 1.0 34.1 74.1#

65 1.5 31.4 71.4#



#57

Fluorene

Concen: 46.01 ng

RT: 10.163 min Scan# 1407

Delta R.T. -0.012 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

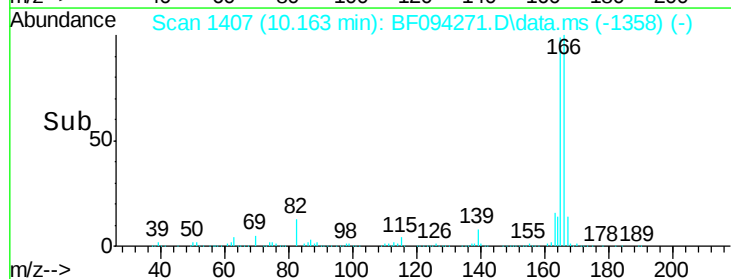
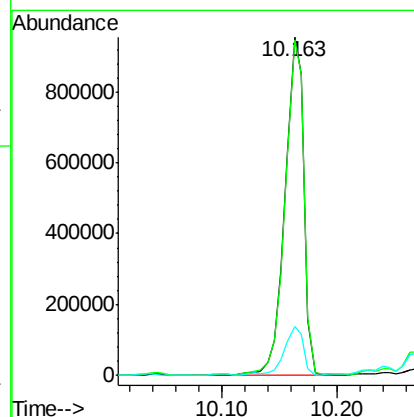
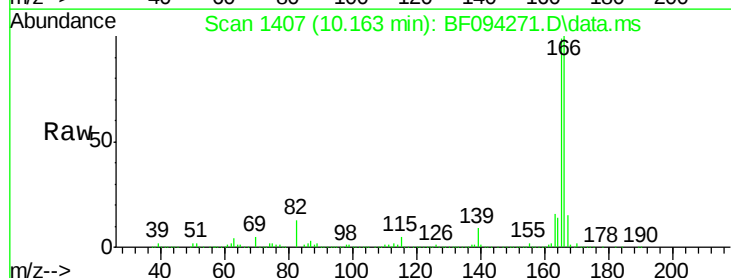
Tgt Ion:166 Resp: 1077718

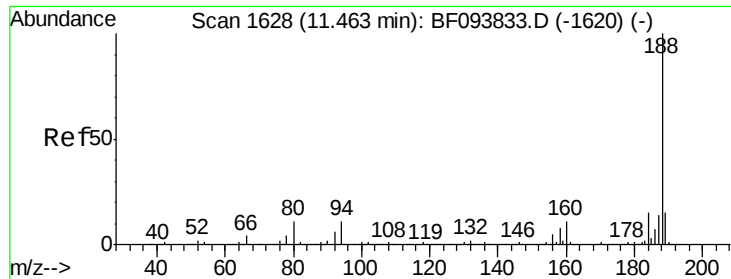
Ion Ratio Lower Upper

166 100

165 99.2 78.8 118.2

167 14.5 10.6 16.0

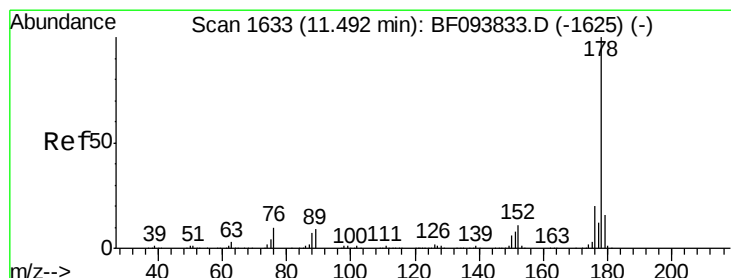
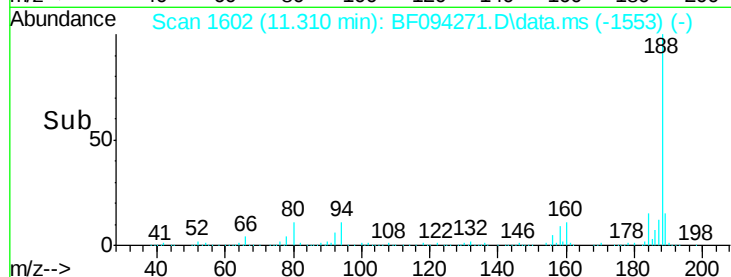
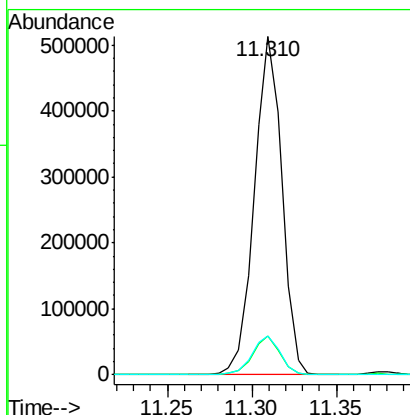
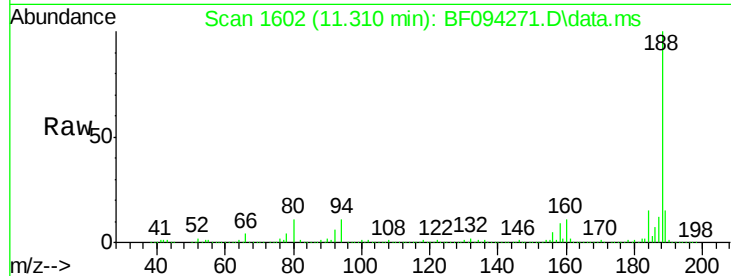




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

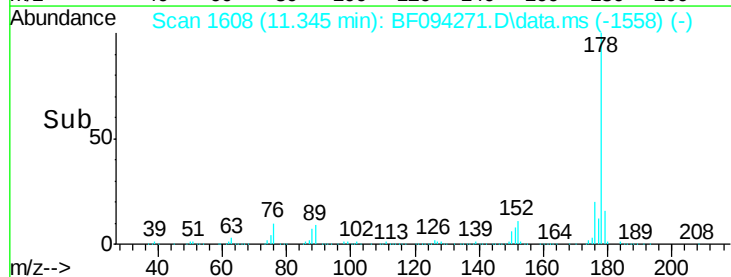
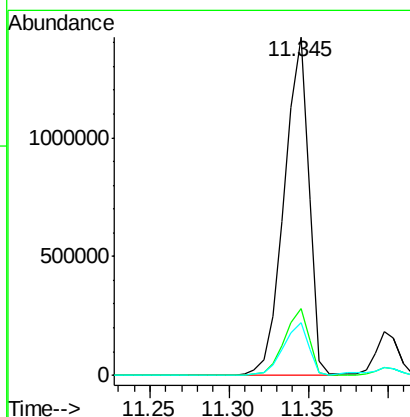
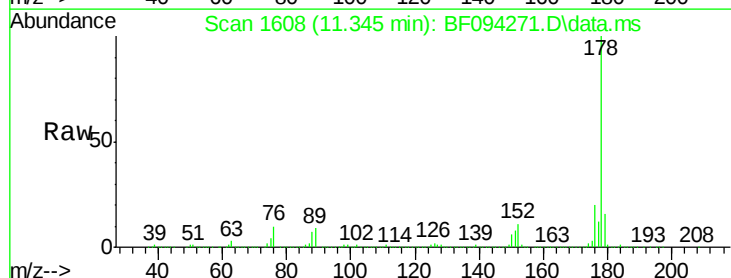
Instrument :
BNA_F
ClientSampleId :
TW-1

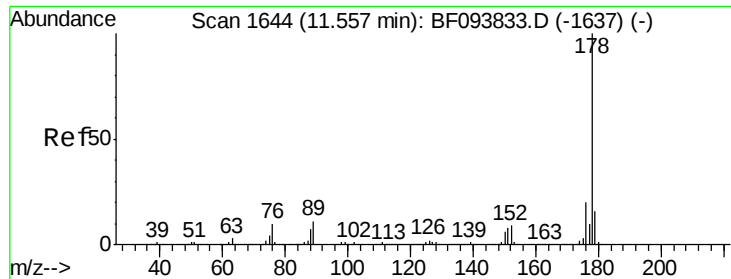
Tot Ion:188 Resp: 583262
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.5 10.2 15.2



#70
Phenanthrene
Concen: 47.31 ng
RT: 11.345 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:178 Resp: 1535077
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 15.7 12.6 19.0

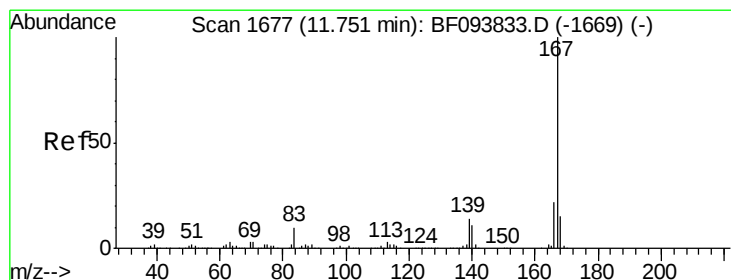
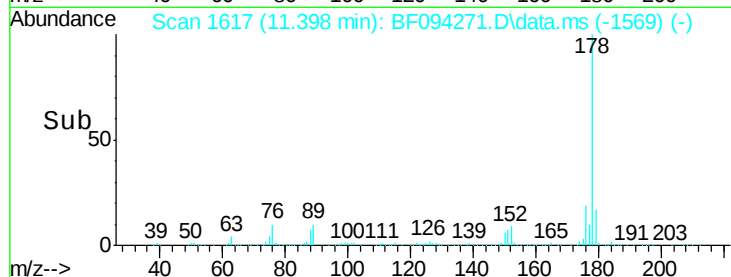
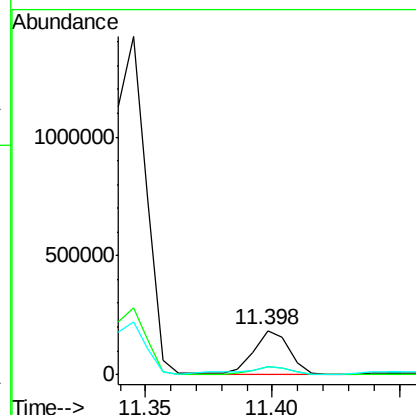
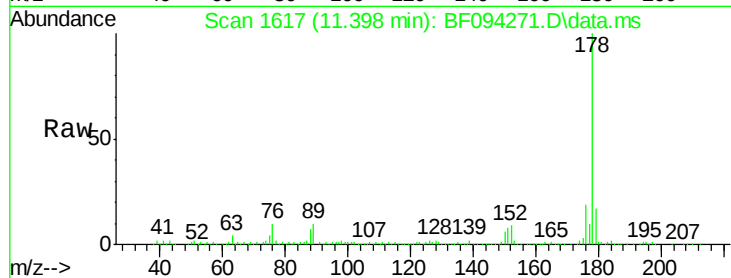




#71
 Anthracene
 Concen: 5.42 ng
 RT: 11.398 min Scan# 1644
 Delta R.T. -0.018 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

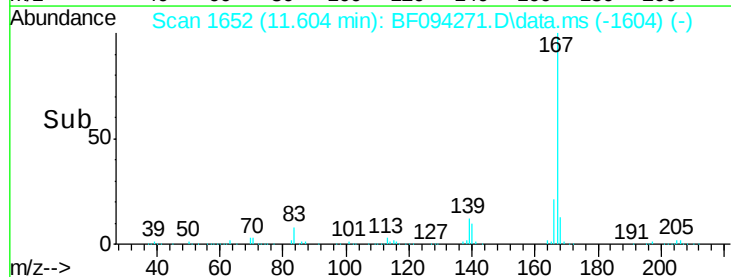
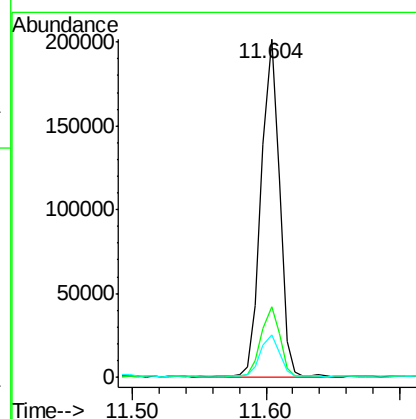
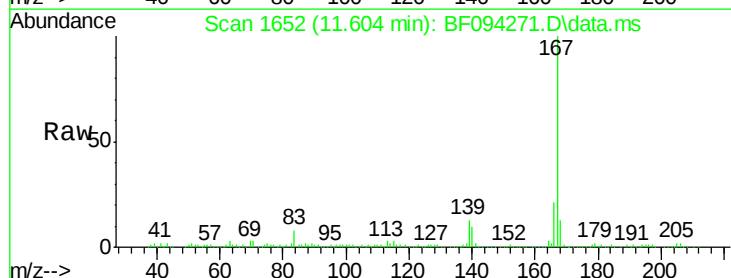
Instrument :
 BNA_F
 ClientSampleId :
 TW-1

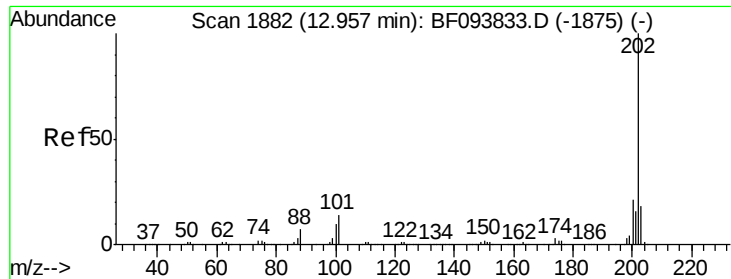
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.4	12.7	19.1



#72
 Carbazole
 Concen: 5.57 ng
 RT: 11.604 min Scan# 1652
 Delta R.T. -0.018 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.1	27.1
139	12.6	11.7	17.5





#74

Fluoranthene

Concen: 10.76 ng

RT: 12.798 min Scan# 18

Delta R.T. -0.018 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

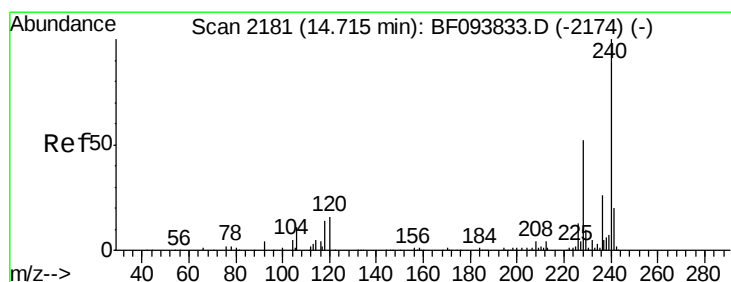
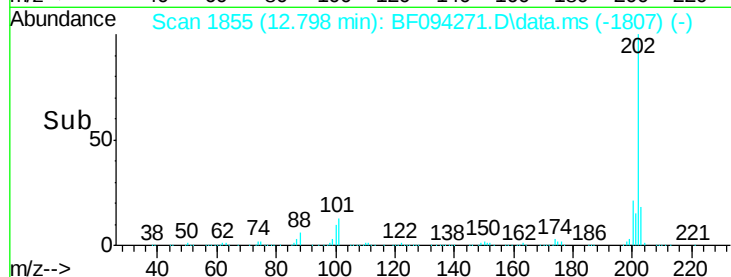
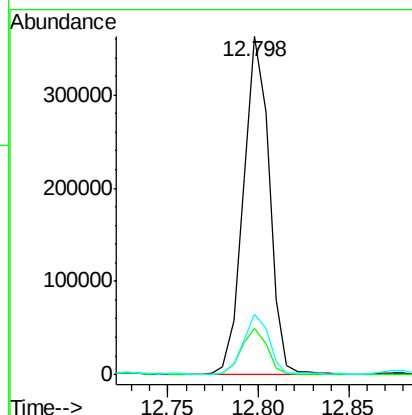
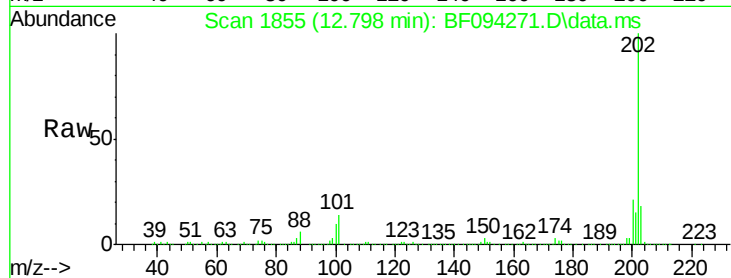
Tot Ion:202 Resp: 357509

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

203 17.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.557 min Scan# 2154

Delta R.T. -0.018 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

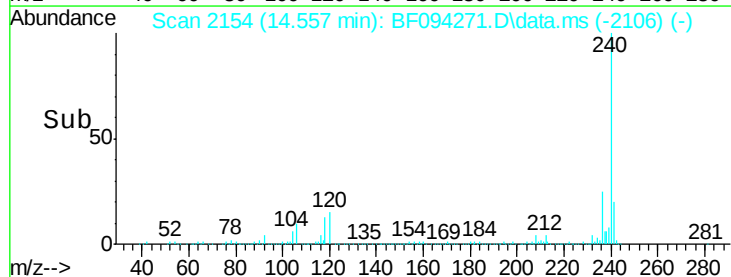
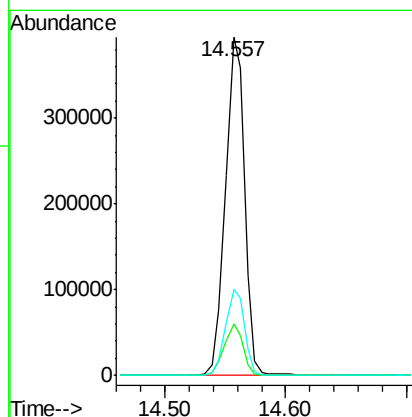
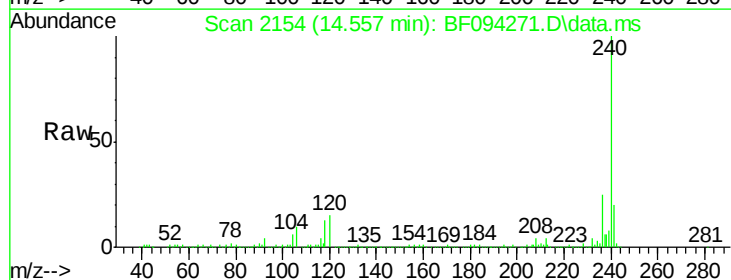
Tgt Ion:240 Resp: 430667

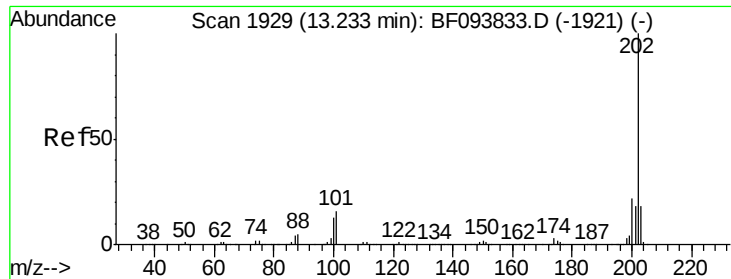
Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

236 25.3 20.5 30.7

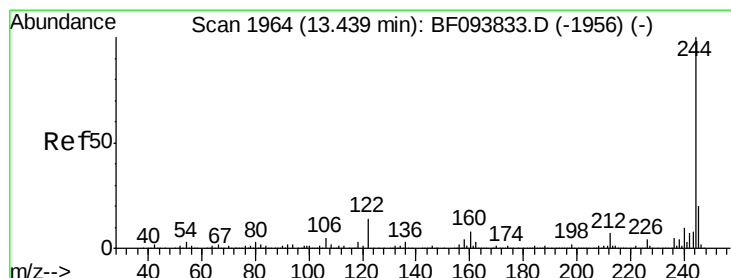
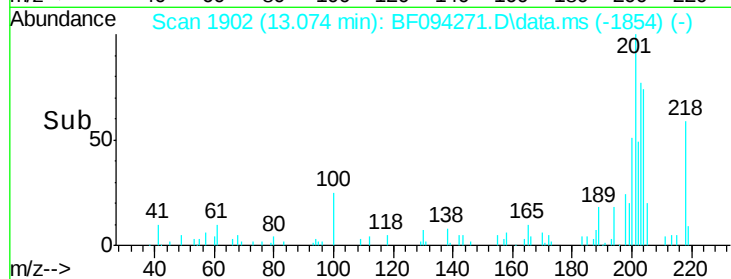
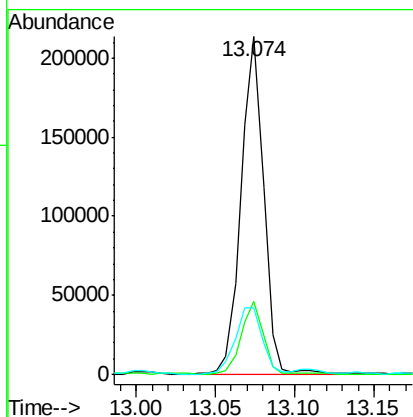
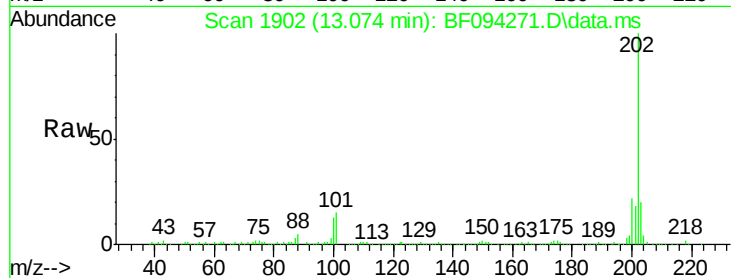




#77
Pvrene
Concen: 6.70 ng
RT: 13.074 min Scan# 1929
Delta R.T. -0.018 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

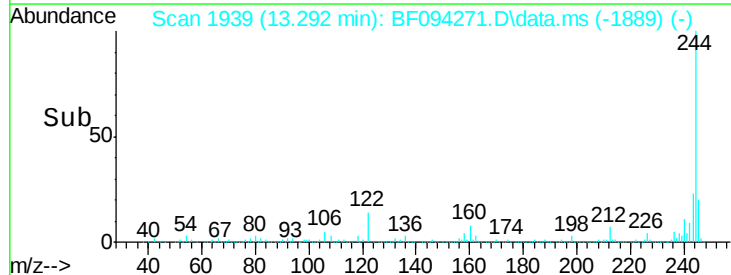
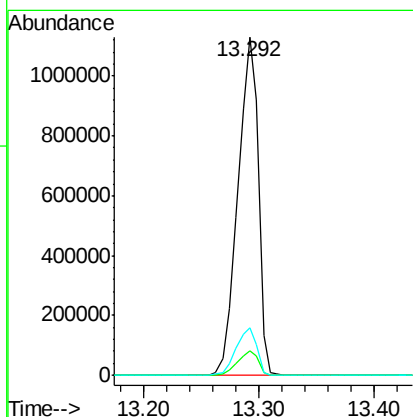
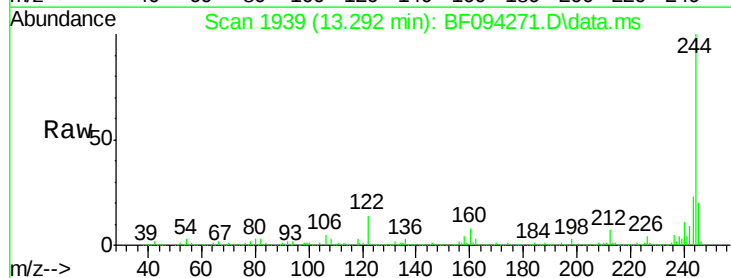
Instrument :
BNA_F
ClientSampleId :
TW-1

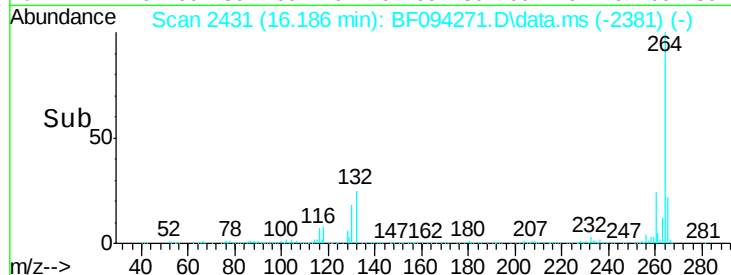
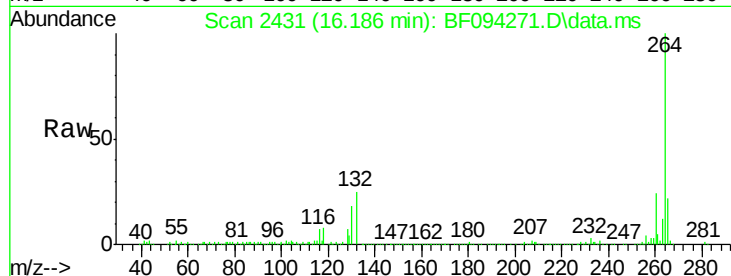
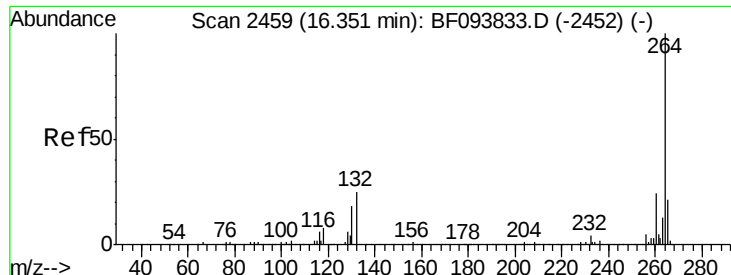
Tot Ion:	202	Resp:	209355
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	19.8	14.4	21.6



#78
Terphenyl-d14
Concen: 71.94 ng
RT: 13.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:	244	Resp:	1382139
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	14.1	10.3	15.5





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.186 min Scan# 24
Delta R.T. -0.006 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Instrument :
BNA_F
ClientSampleId :
TW-1

Tot Ion:	264	Resp:	290850
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.5	17.2	25.8

