

Data Path : Z:\HPCHEM1\BNA F\Data\BF040717\
 Data File : BF094272.D
 Acq On : 7 Apr 2017 14:51
 Operator : SJ/MA
 Sample : I2528-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-6

Quant Time: Apr 07 15:14:37 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

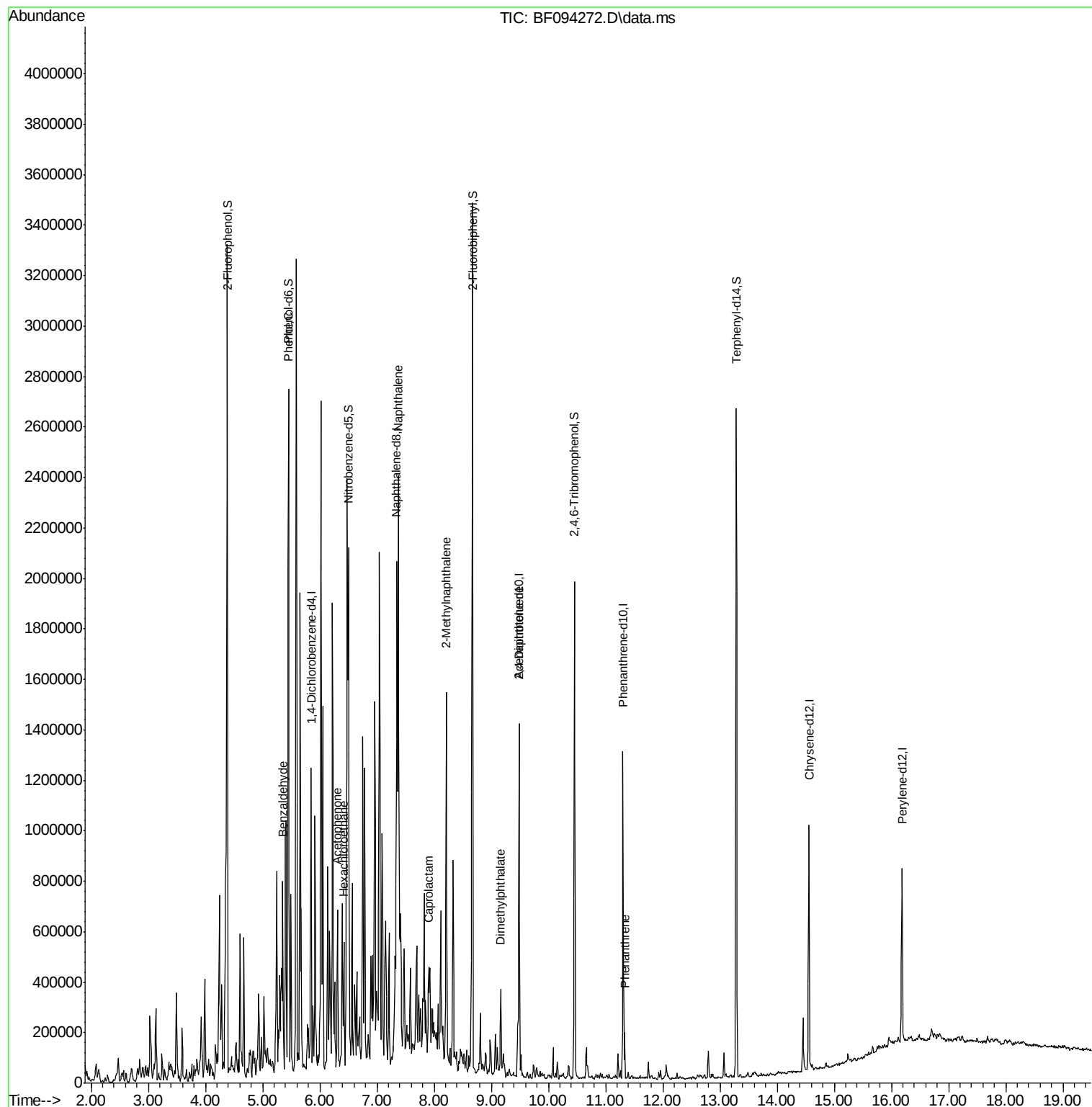
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.845	152	176402	20.00	ng	-0.01
21) Naphthalene-d8	7.345	136	678738	20.00	ng	-0.02
38) Acenaphthene-d10	9.486	164	317925	20.00	ng	-0.01
63) Phenanthrene-d10	11.304	188	532033	20.00	ng	-0.02
75) Chrysene-d12	14.557	240	351832	20.00	ng	-0.02
86) Perylene-d12	16.186	264	278775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.381	112	975506	93.40	ng	0.00
7) Phenol-d6	5.451	99	1239459	95.93	ng	-0.01
23) Nitrobenzene-d5	6.498	82	737688	62.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.457	330	246466	98.10	ng	-0.02
44) 2-Fluorobiphenyl	8.669	172	1259694	60.43	ng	-0.02
78) Terphenyl-d14	13.286	244	921862	58.73	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.351	77	27418	3.14	ng	# 1
10) Phenol	5.463	94	88462	6.02	ng	94
18) Hexachloroethane	6.422	117	16095	3.51	ng	# 1
22) Acetophenone	6.304	105	196471	12.99	ng	# 49
31) Naphthalene	7.375	128	902048	27.64	ng	100
35) Caprolactam	7.904	113	6102	2.12	ng	# 1
37) 2-Methylnaphthalene	8.216	142	444724	20.44	ng	99
49) Dimethylphthalate	9.163	163	150811	6.67	ng	99
56) 2,4-Dinitrotoluene	9.481	165	41467	6.37	ng	# 34
70) Phenanthrene	11.333	178	66565	2.25	ng	96

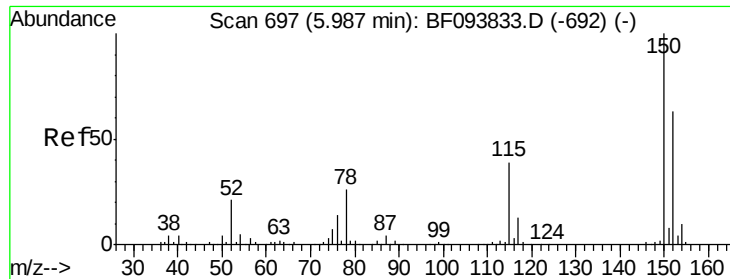
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.845 min Scan# 67

Delta R.T. -0.012 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

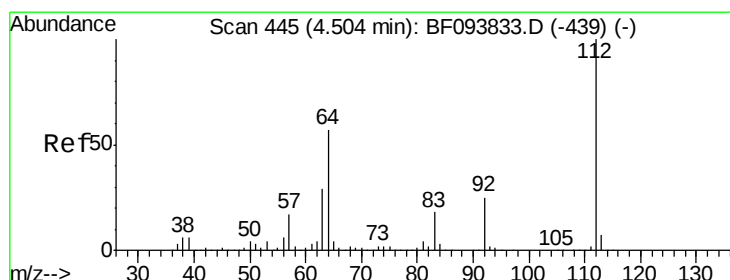
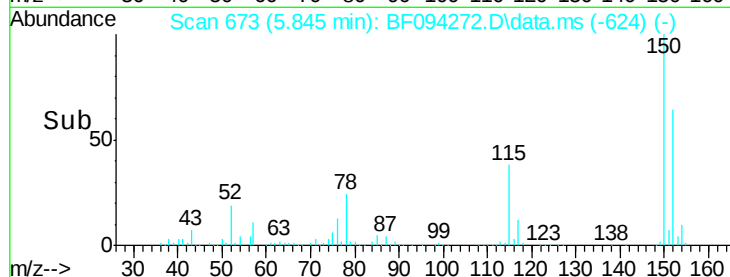
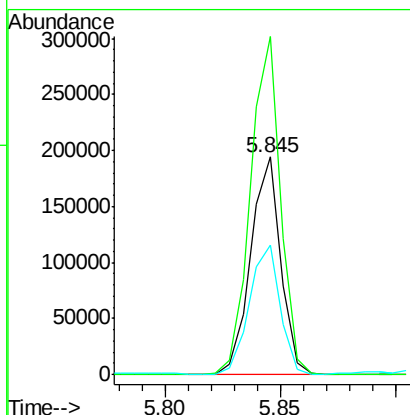
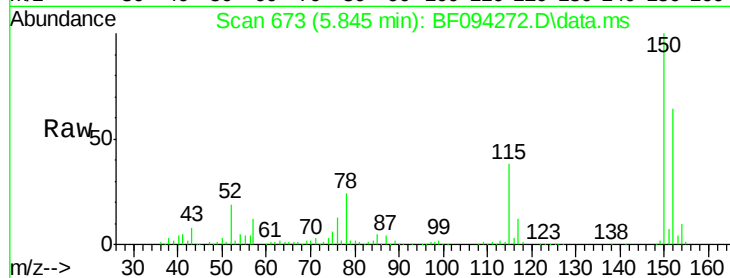
Tot Ion:152 Resp: 176402

Ion Ratio Lower Upper

152 100

150 155.5 126.2 189.2

115 59.8 52.2 78.2



#5

2-Fluorophenol

Concen: 93.40 ng

RT: 4.381 min Scan# 424

Delta R.T. -0.006 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

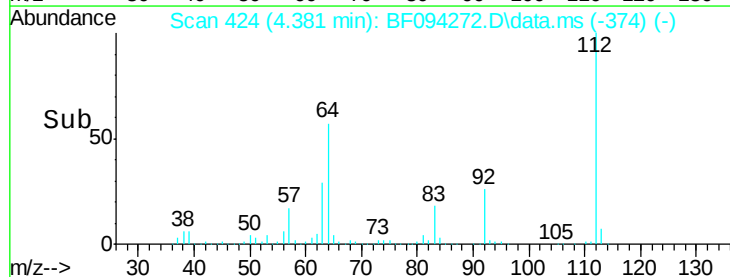
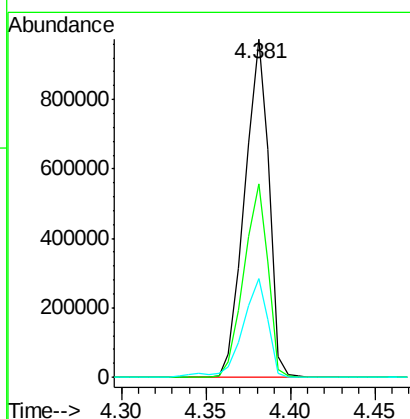
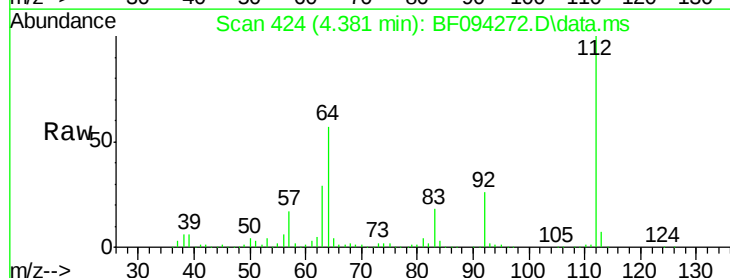
Tgt Ion:112 Resp: 975506

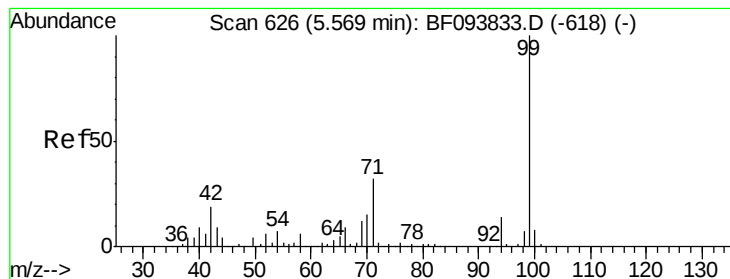
Ion Ratio Lower Upper

112 100

64 57.1 46.0 69.0

63 29.3 23.4 35.0





#7

Phenol-d6

Concen: 95.93 ng

RT: 5.451 min Scan# 60

Delta R.T. -0.012 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampled :

TS-6

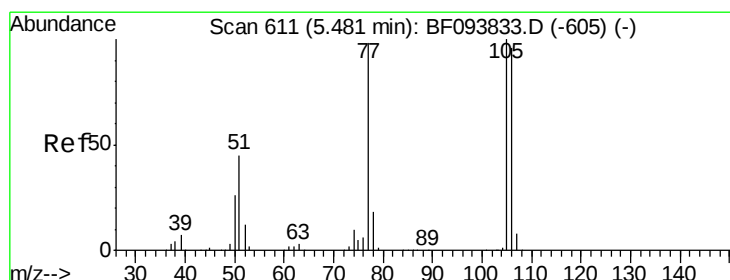
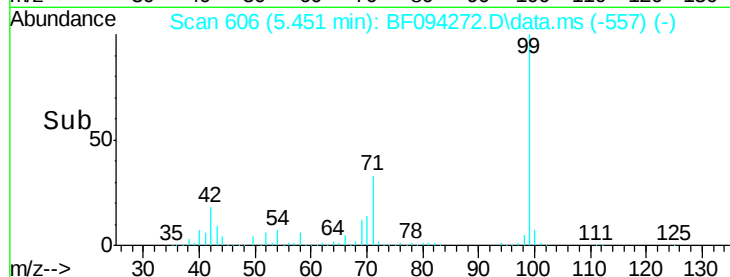
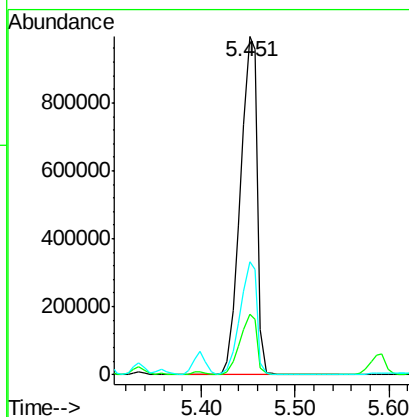
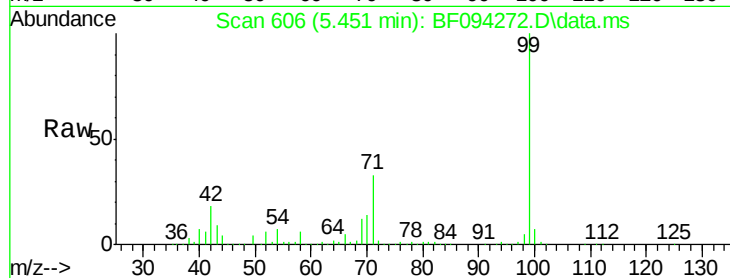
Tot Ion: 99 Resp: 1239459

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

71 33.5 24.5 36.7



#9

Benzaldehyde

Concen: 3.14 ng

RT: 5.351 min Scan# 589

Delta R.T. -0.000 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

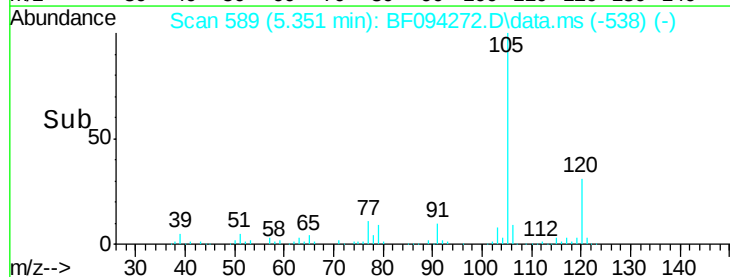
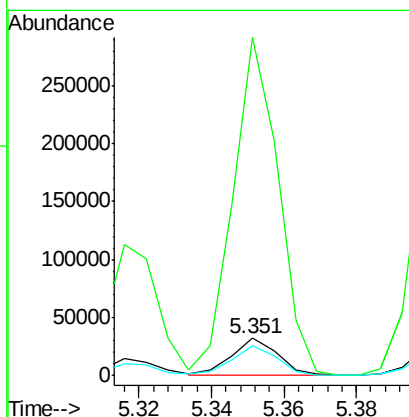
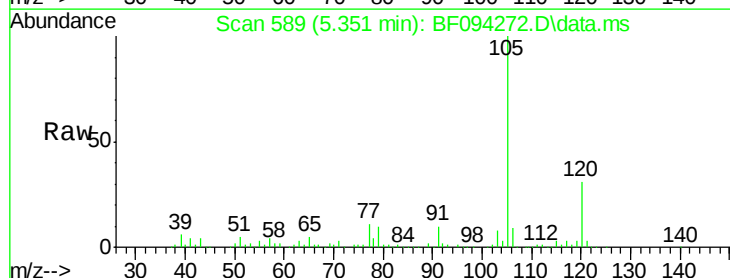
Tgt Ion: 77 Resp: 27418

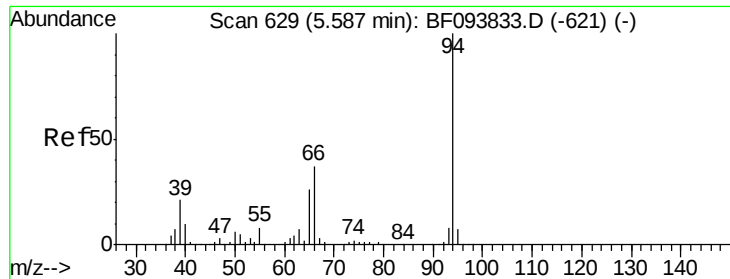
Ion Ratio Lower Upper

77 100

105 909.2 83.8 123.8#

106 80.4 79.1 119.1





#10

Phenol

Concen: 6.02 ng

RT: 5.463 min Scan# 60

Delta R.T. -0.018 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

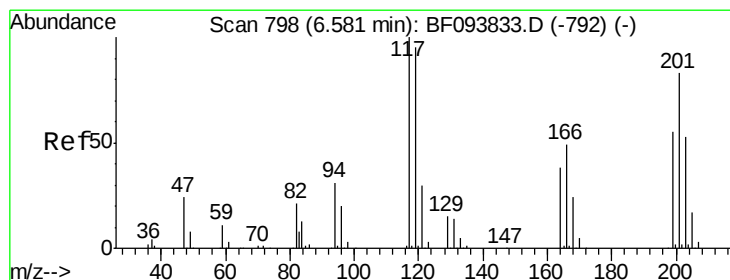
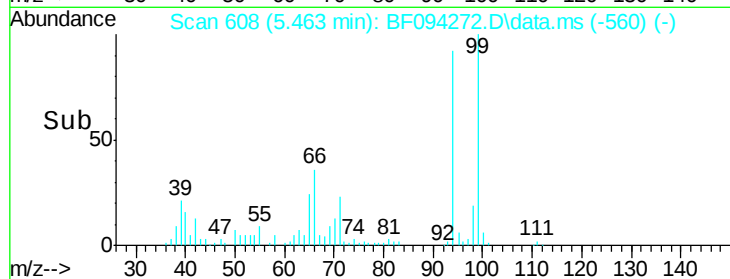
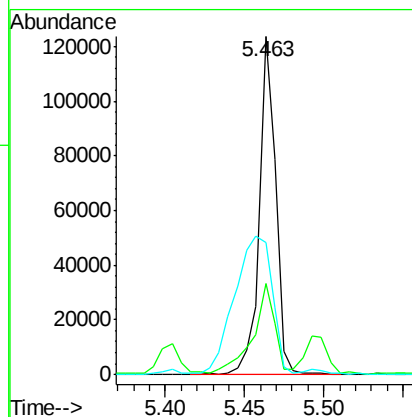
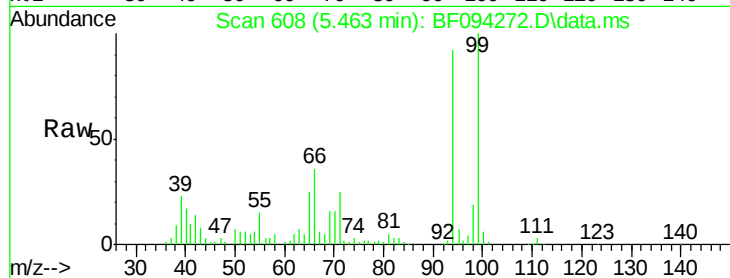
Tot Ion: 94 Resp: 88462

Ion Ratio Lower Upper

94 100

65 26.9 9.9 49.9

66 39.2 23.1 63.1



#18

Hexachloroethane

Concen: 3.51 ng

RT: 6.422 min Scan# 771

Delta R.T. -0.024 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

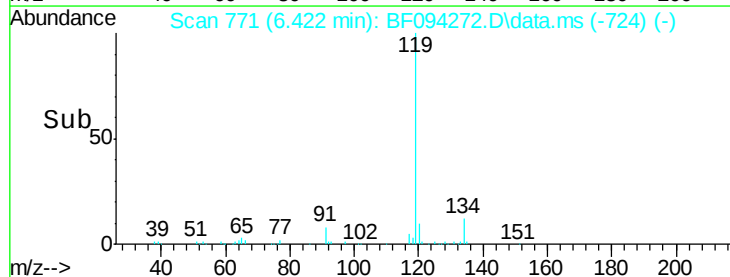
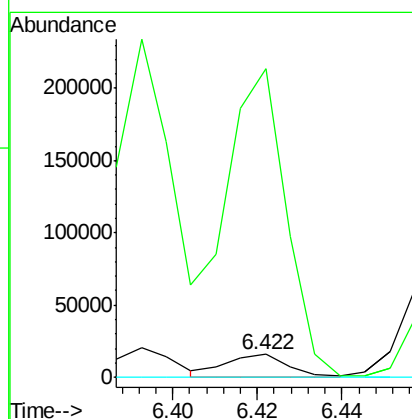
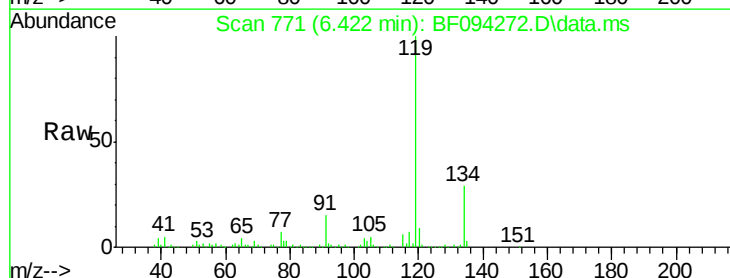
Tgt Ion: 117 Resp: 16095

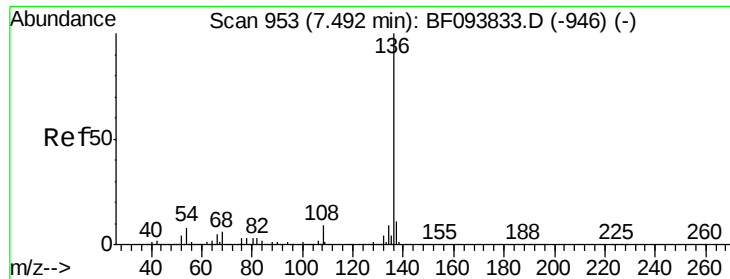
Ion Ratio Lower Upper

117 100

119 1340.9 77.4 116.0#

201 0.0 94.6 141.8#

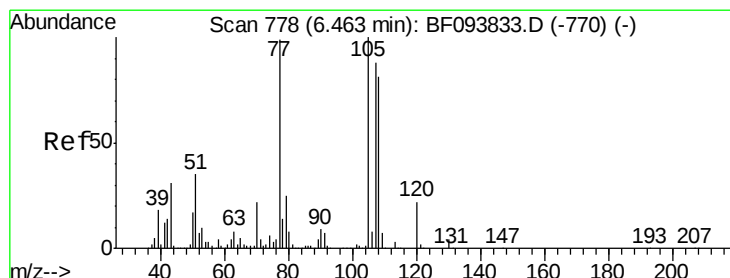
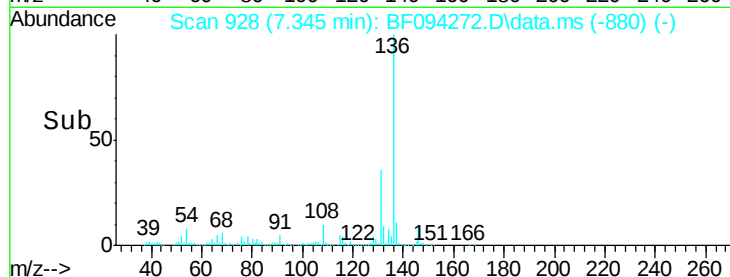
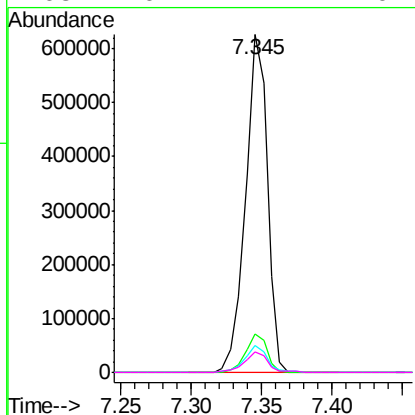
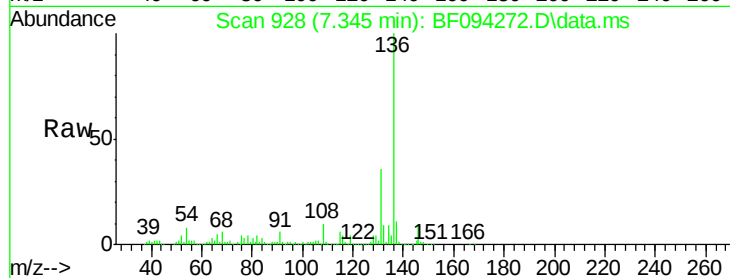




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.345 min Scan# 92
Delta R.T. -0.018 min
Lab File: BF094272.D
Acq: 7 Apr 2017 14:51

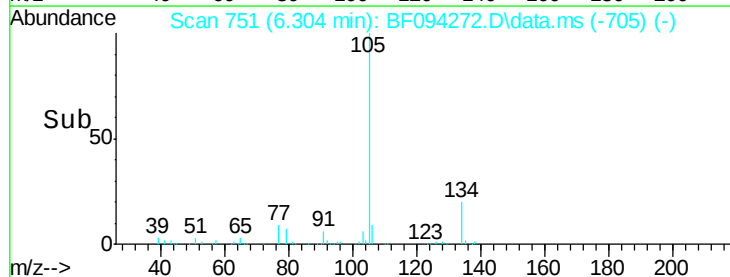
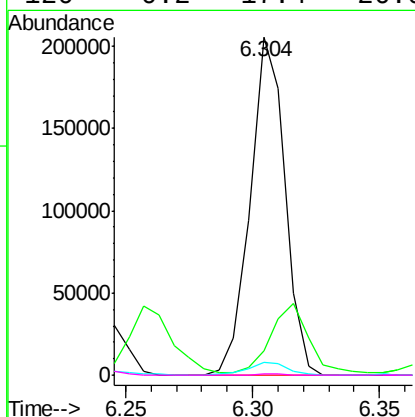
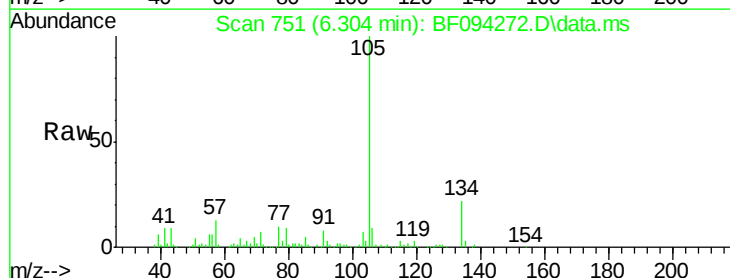
Instrument :
BNA_F
ClientSampleId :
TS-6

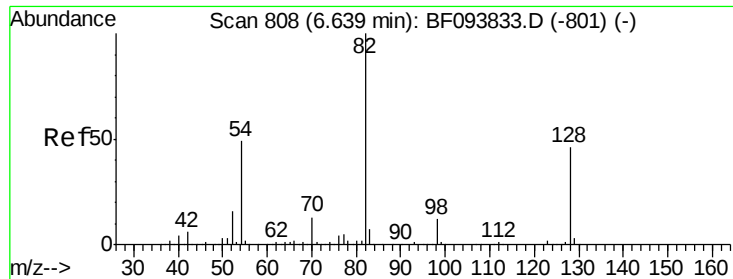
Tot Ion:136	Resp: 678738
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 7.9	4.9 7.3#
68 6.2	4.1 6.1#



#22
Acetophenone
Concen: 12.99 ng
RT: 6.304 min Scan# 751
Delta R.T. -0.029 min
Lab File: BF094272.D
Acq: 7 Apr 2017 14:51

Tgt Ion:105	Resp: 196471
Ion Ratio	Lower Upper
105 100	
71 7.2	2.8 4.2#
51 3.8	30.7 46.1#
120 0.2	17.4 26.0#

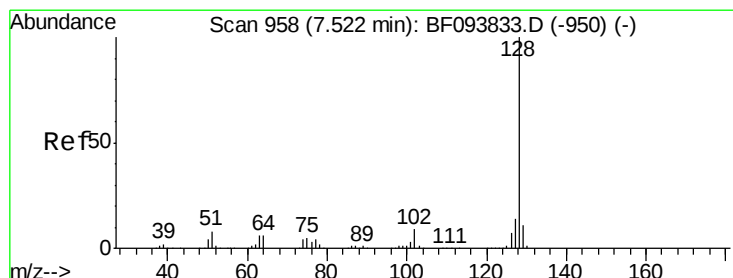
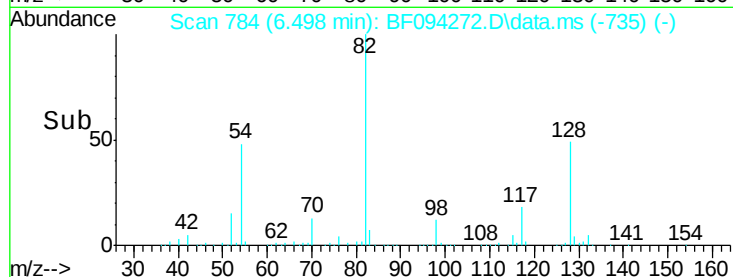
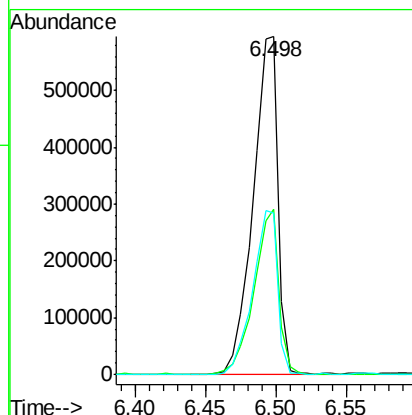
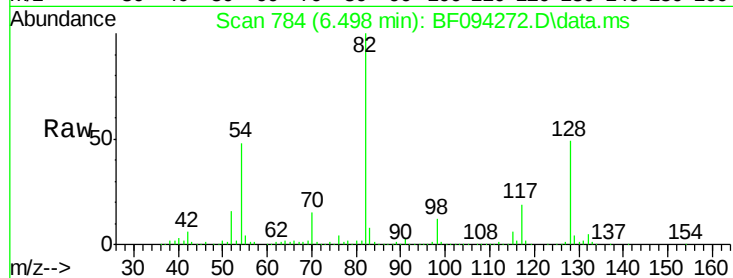




#23
 Nitrobenzene-d5
 Concen: 62.03 ng
 RT: 6.498 min Scan# 78
 Delta R.T. -0.012 min
 Lab File: BF094272.D
 Acq: 7 Apr 2017 14:51

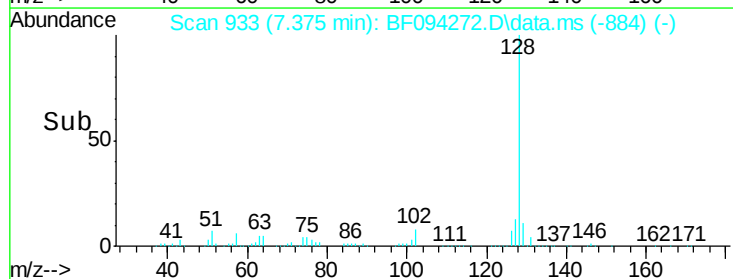
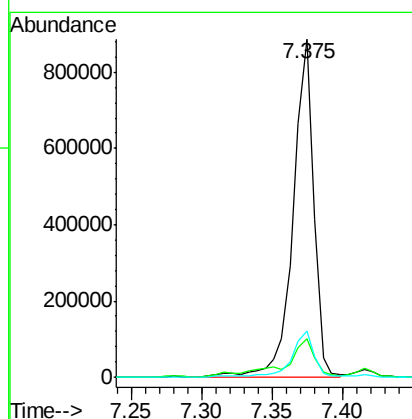
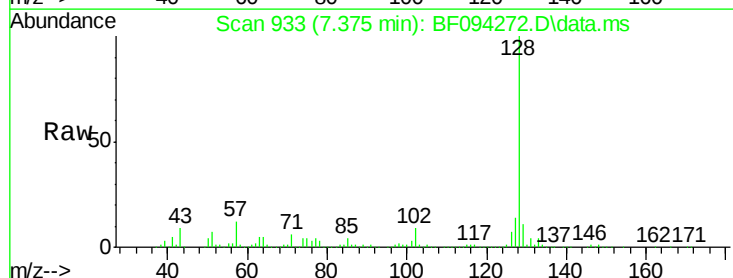
Instrument :
 BNA_F
 ClientSampleId :
 TS-6

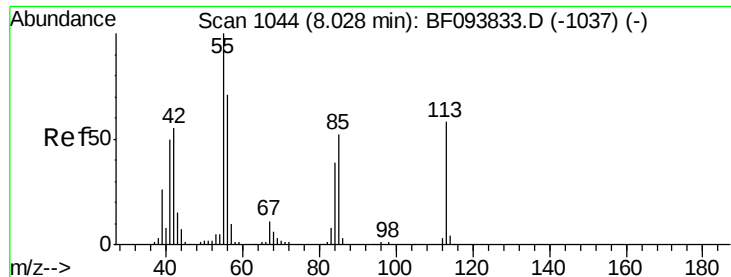
Tot Ion: 82 Resp: 737688
 Ion Ratio Lower Upper
 82 100
 128 48.9 34.0 51.0
 54 47.8 42.2 63.2



#31
 Naphthalene
 Concen: 27.64 ng
 RT: 7.375 min Scan# 933
 Delta R.T. -0.012 min
 Lab File: BF094272.D
 Acq: 7 Apr 2017 14:51

Tgt Ion: 128 Resp: 902048
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.0 13.6
 127 13.6 10.8 16.2





#35

Caprolactam

Concen: 2.12 ng

RT: 7.904 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

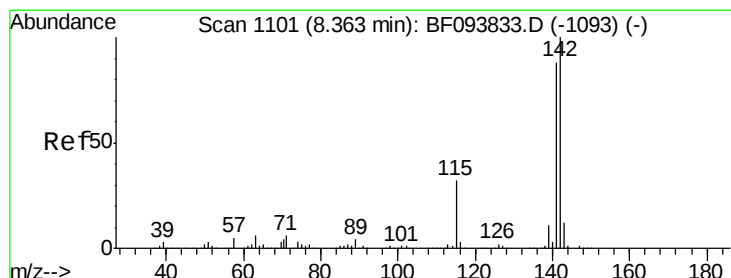
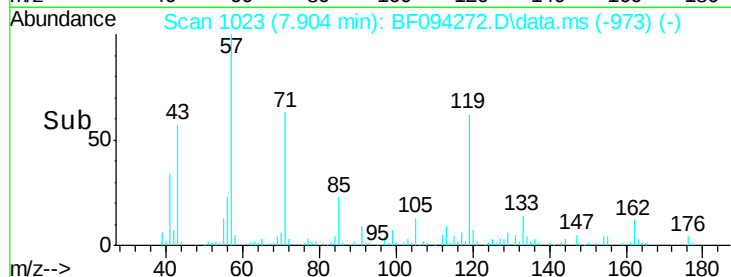
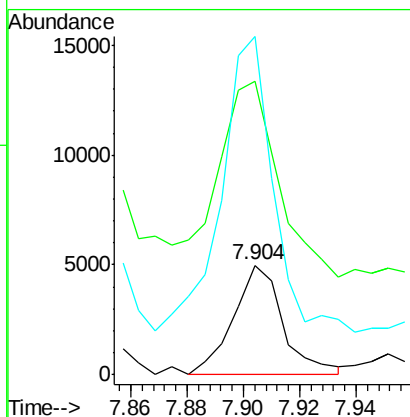
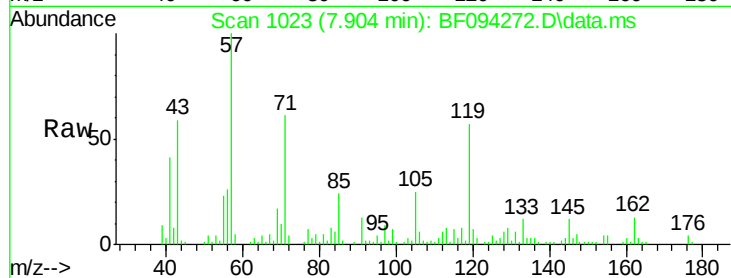
Tot Ion:113 Resp: 6102

Ion Ratio Lower Upper

113 100

55 268.6 150.2 190.2#

56 309.8 107.8 147.8#



#37

2-Methylnaphthalene

Concen: 20.44 ng

RT: 8.216 min Scan# 1076

Delta R.T. -0.012 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

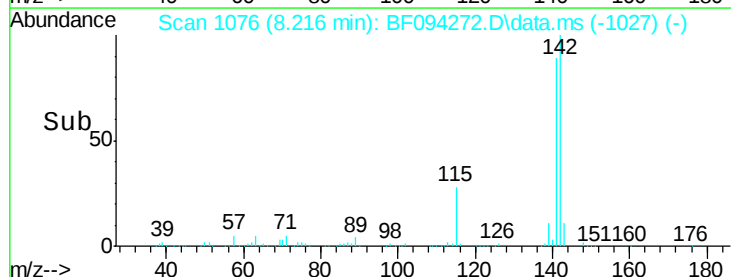
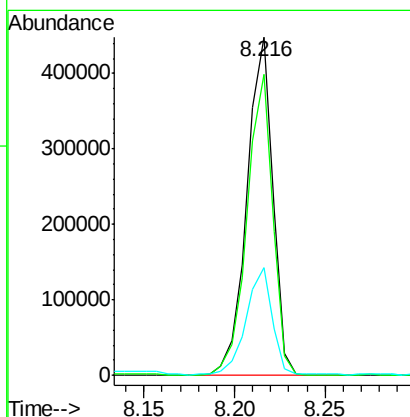
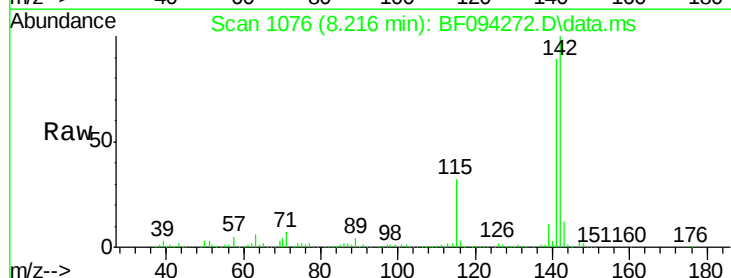
Tgt Ion:142 Resp: 444724

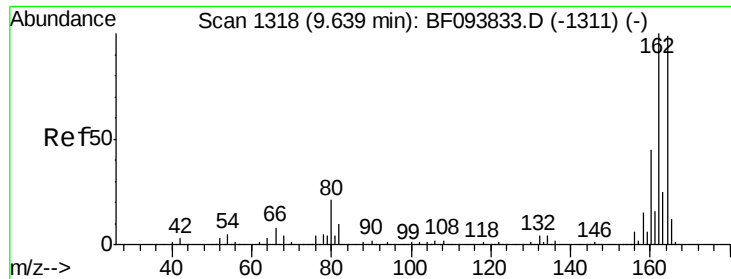
Ion Ratio Lower Upper

142 100

141 89.2 71.3 106.9

115 32.0 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: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

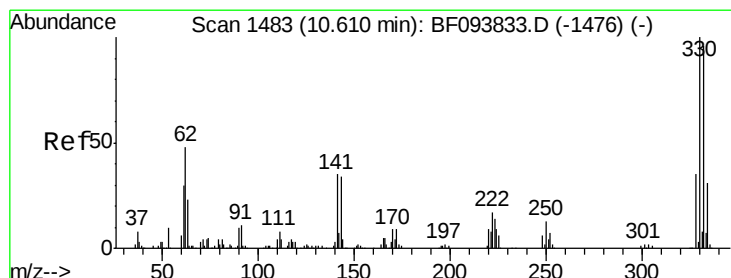
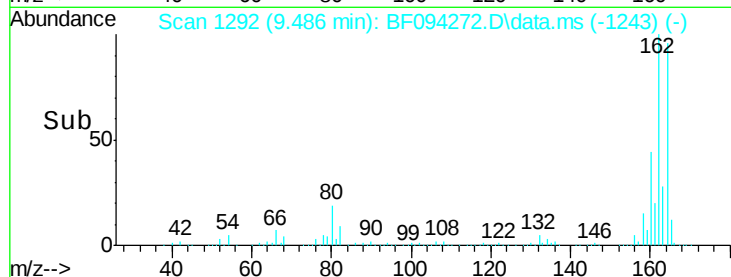
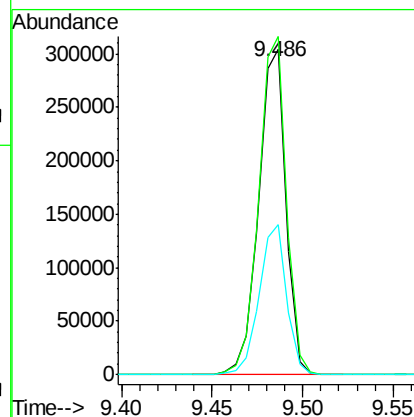
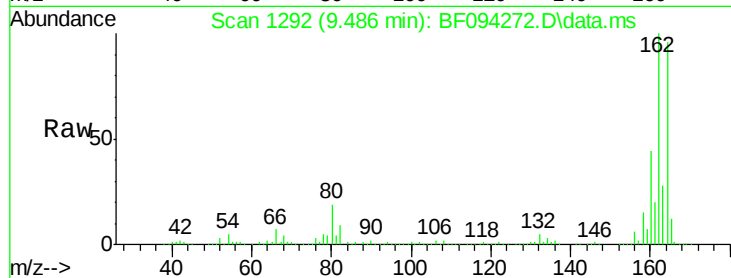
Tot Ion:164 Resp: 317925

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

160 46.2 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 98.10 ng

RT: 10.457 min Scan# 1457

Delta R.T. -0.018 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

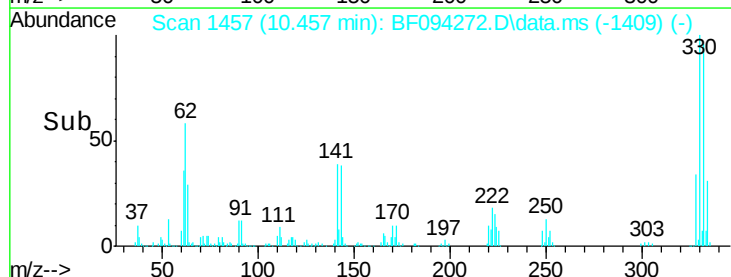
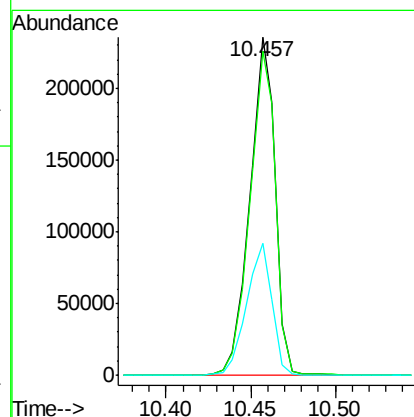
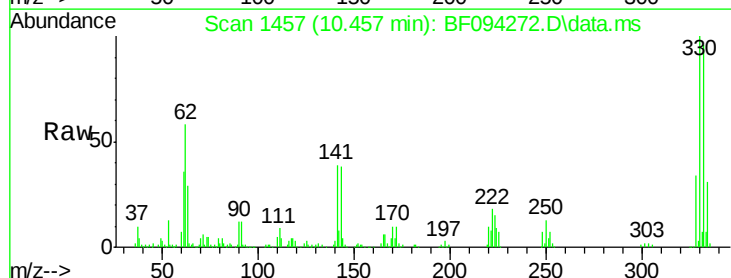
Tgt Ion:330 Resp: 246466

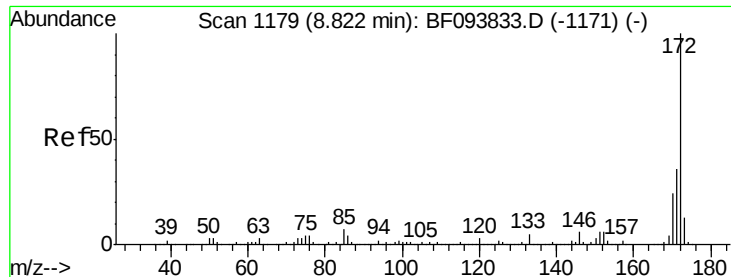
Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

141 39.4 31.4 47.2

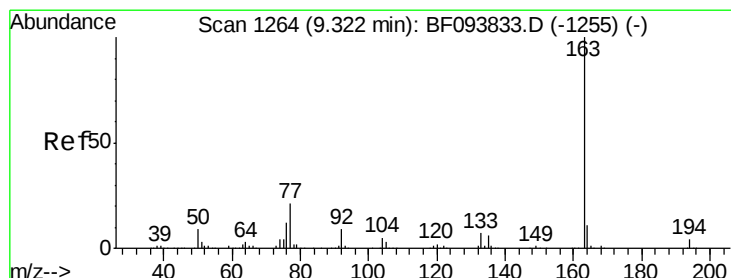
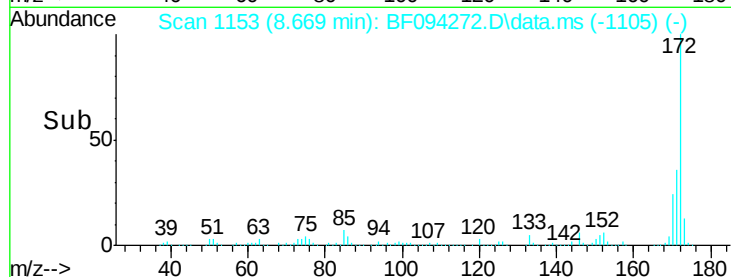
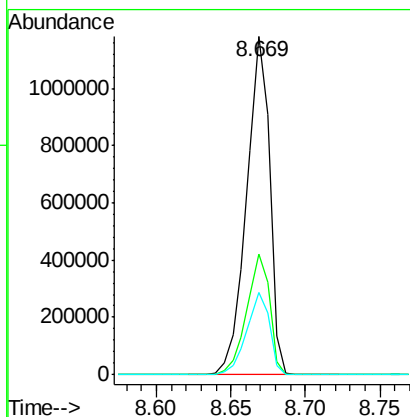
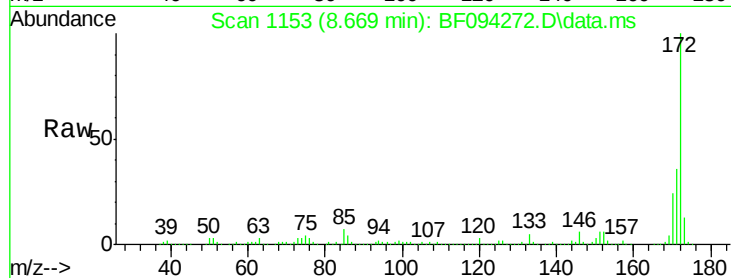




#44
2-Fluorobiphenyl
Concen: 60.43 ng
RT: 8.669 min Scan# 1179
Delta R.T. -0.018 min
Lab File: BF094272.D
Acq: 7 Apr 2017 14:51

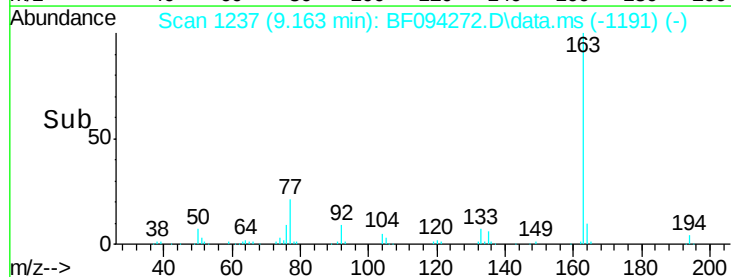
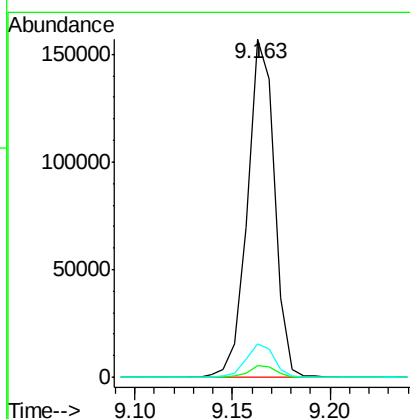
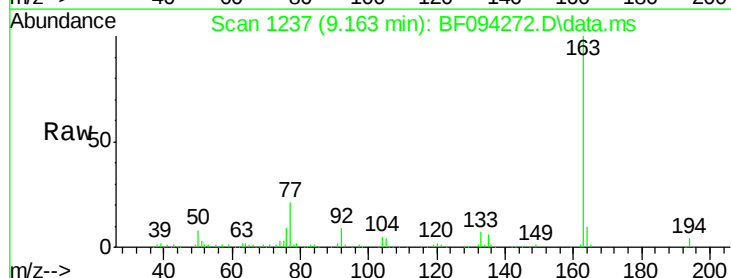
Instrument :
BNA_F
ClientSampled :
TS-6

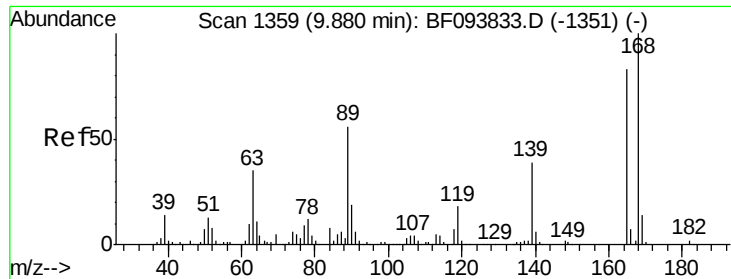
Tot Ion:172 Resp: 1259694
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 6.67 ng
RT: 9.163 min Scan# 1237
Delta R.T. -0.029 min
Lab File: BF094272.D
Acq: 7 Apr 2017 14:51

Tgt Ion:163 Resp: 150811
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.9 8.4 12.6

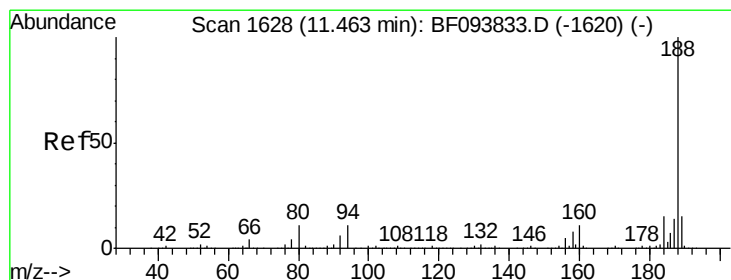
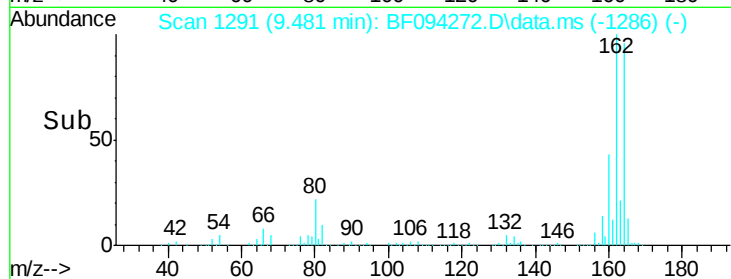
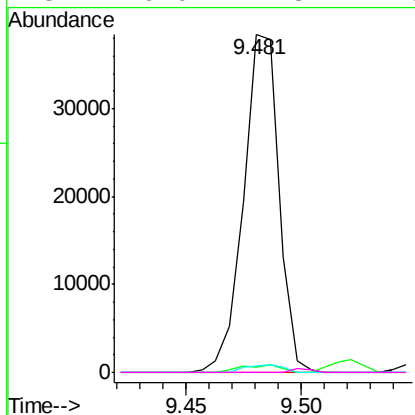
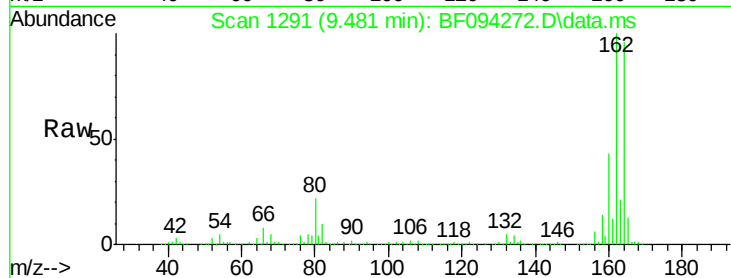




#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.481 min Scan# 12
 Delta R.T. -0.271 min
 Lab File: BF094272.D
 Acq: 7 Apr 2017 14:51

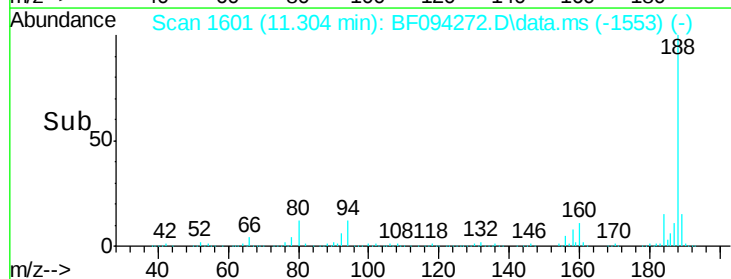
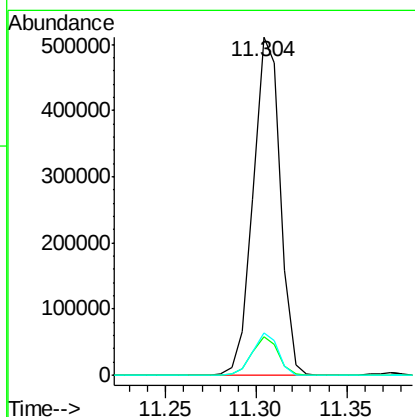
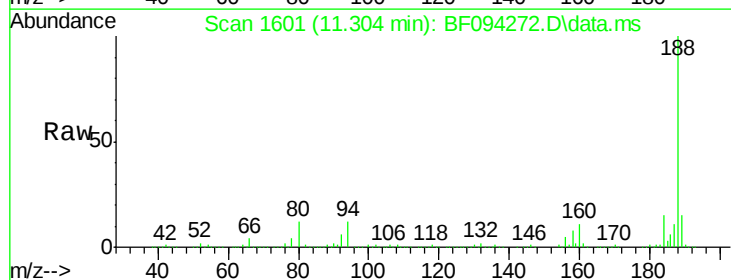
Instrument :
 BNA_F
 ClientSampleId :
 TS-6

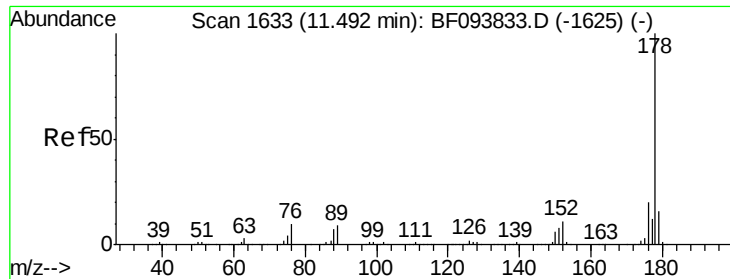
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.304 min Scan# 1601
 Delta R.T. -0.018 min
 Lab File: BF094272.D
 Acq: 7 Apr 2017 14:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.4	10.2	15.2





#70

Phenanthrene

Concen: 2.25 ng

RT: 11.333 min Scan# 16

Delta R.T. -0.018 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

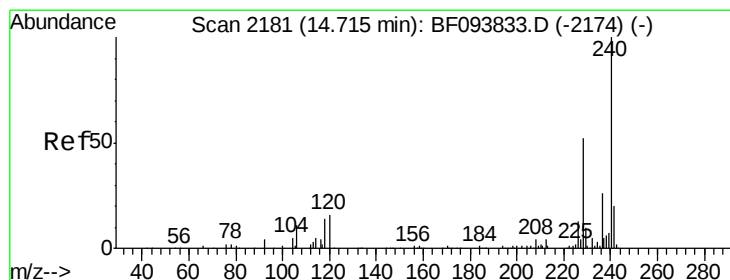
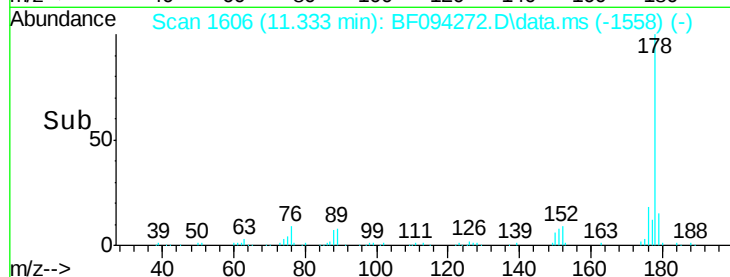
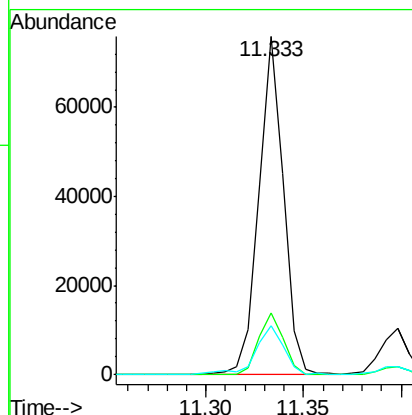
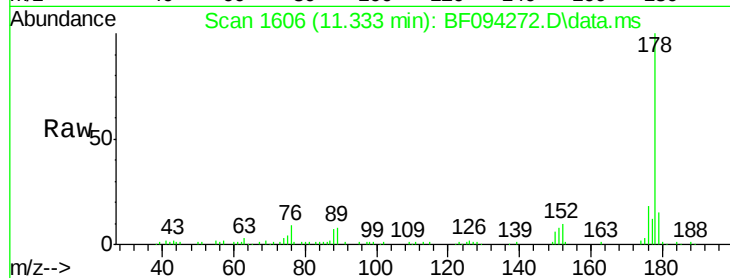
Tot Ion:178 Resp: 66565

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.4

179 14.5 12.6 19.0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.557 min Scan# 2154

Delta R.T. -0.018 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

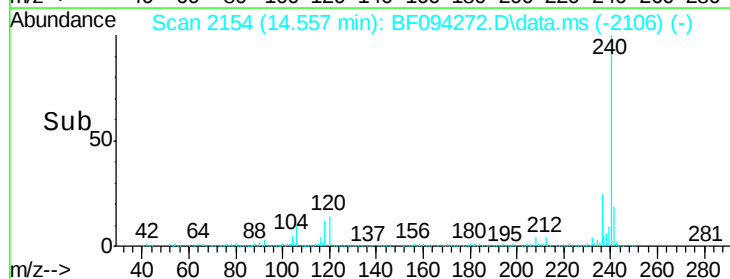
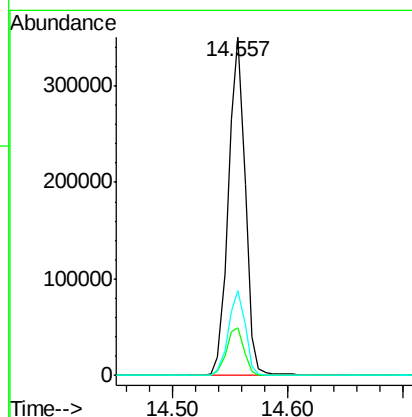
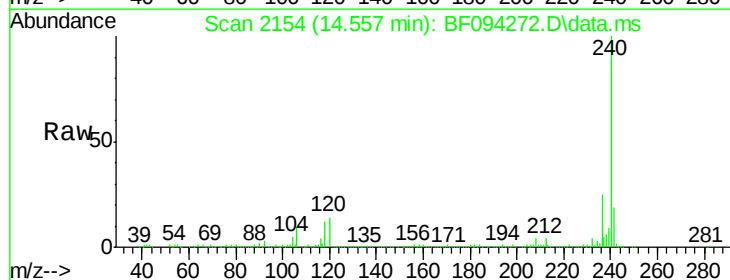
Tgt Ion:240 Resp: 351832

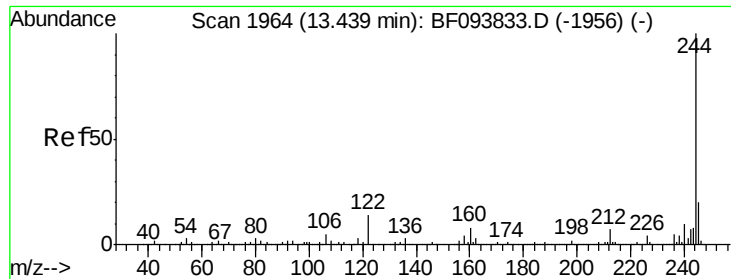
Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

236 25.2 20.5 30.7





#78

Terphenyl-d14

Concen: 58.73 ng

RT: 13.286 min Scan# 19

Delta R.T. -0.012 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Instrument :

BNA_F

ClientSampleId :

TS-6

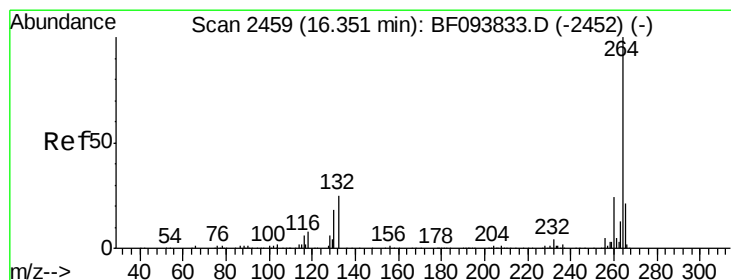
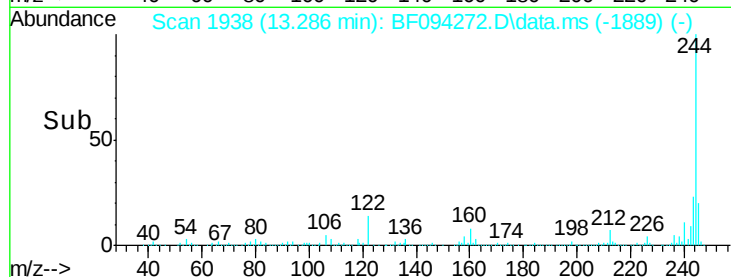
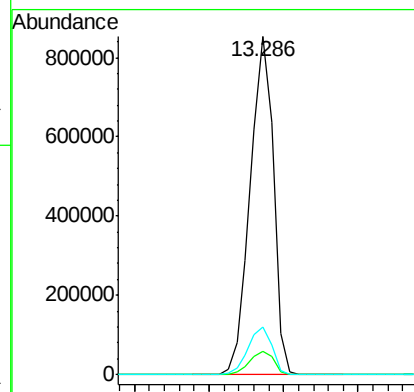
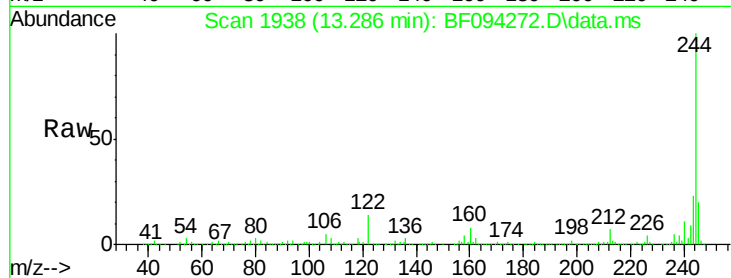
Tot Ion:244 Resp: 921862

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 14.2 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.186 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BF094272.D

Acq: 7 Apr 2017 14:51

Tgt Ion:264 Resp: 278775

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 20.5 17.2 25.8

