

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093909.D
 Acq On : 24 Mar 2017 15:34
 Operator : SJ/MA
 Sample : I2367-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-NSW

Quant Time: Mar 25 00:25:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

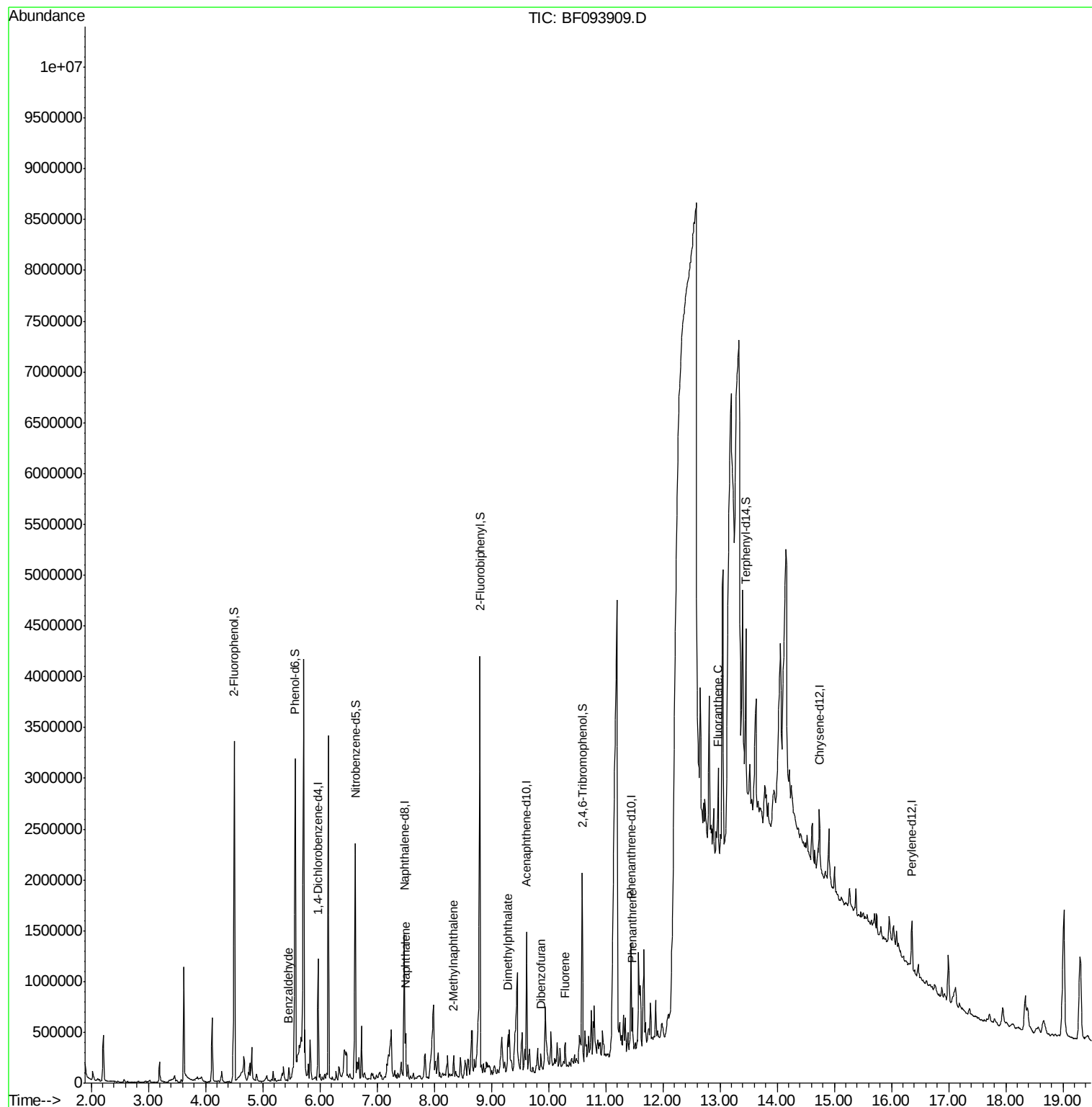
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	175582	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	661611	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	262427	20.00	ng	-0.02
63) Phenanthrene-d10	11.45	188	382951	20.00	ng	-0.02
75) Chrysene-d12	14.74	240	296947	20.00	ng	0.02
86) Perylene-d12	16.36	264	232031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1212118	116.60	ng	0.00
7) Phenol-d6	5.57	99	1467583	114.12	ng	0.00
23) Nitrobenzene-d5	6.62	82	898334	77.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	234946	113.30	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1498381	87.09	ng	-0.02
78) Terphenyl-d14	13.45	244	761749	57.50	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.46	77	25028	2.88	ng	95
31) Naphthalene	7.50	128	133580	4.20	ng	99
37) 2-Methylnaphthalene	8.34	142	60373	2.85	ng	98
49) Dimethylphthalate	9.29	163	141015	7.56	ng	98
54) Dibenzofuran	9.87	168	47345	2.16	ng	# 97
57) Fluorene	10.29	166	45915	2.53	ng	# 94
70) Phenanthrene	11.47	178	143339	6.73	ng	98
74) Fluoranthene	12.96	202	57420	2.63	ng	# 71

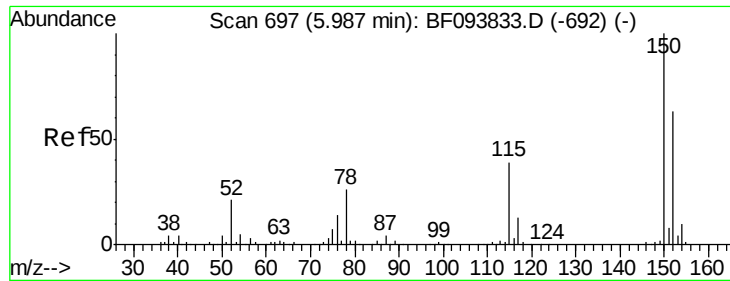
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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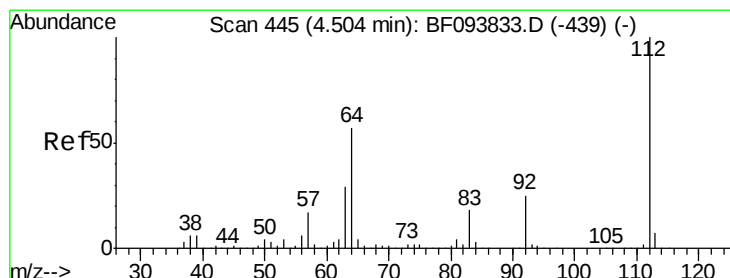
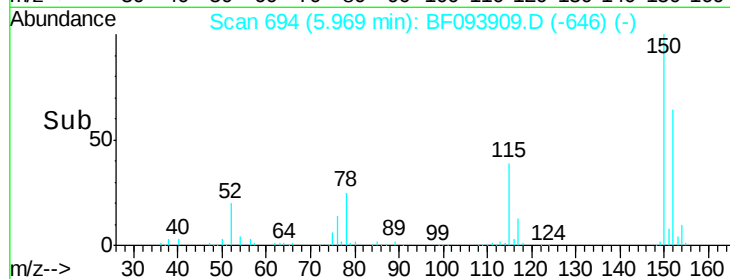
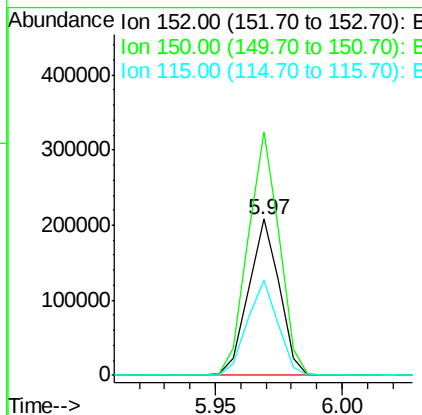
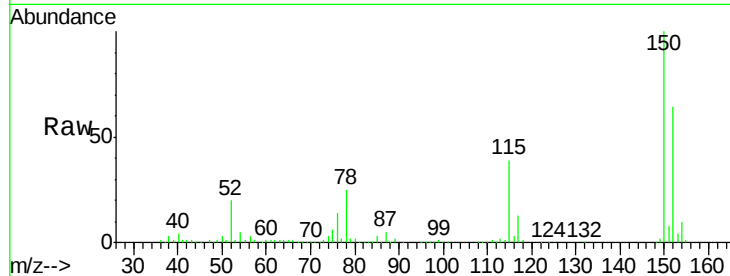


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Instrument :
BNA_F
ClientSampleId :
E2-BB10-NSW

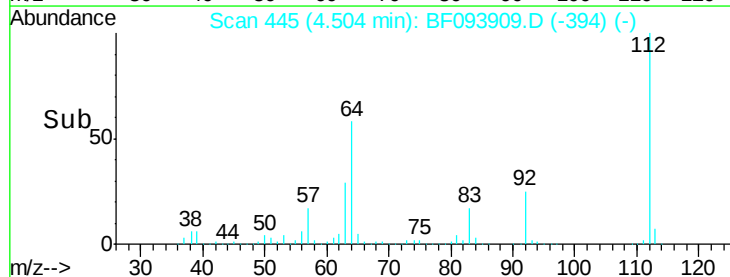
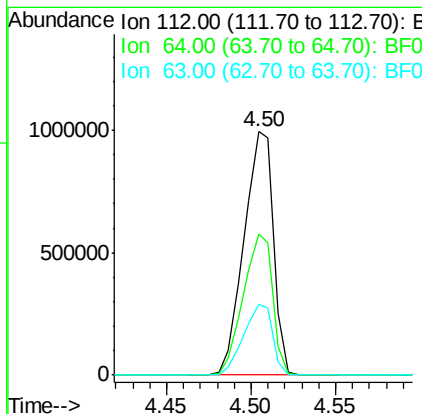
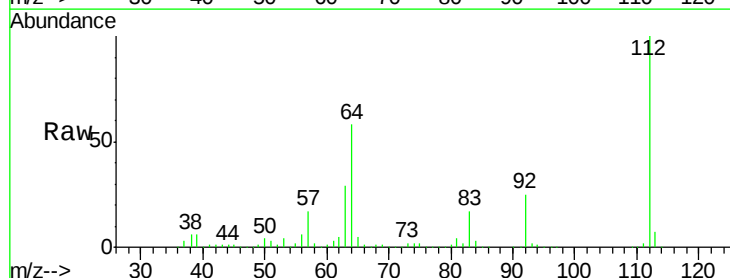
Tot Ion:152 Resp: 175582
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 60.9 52.2 78.2

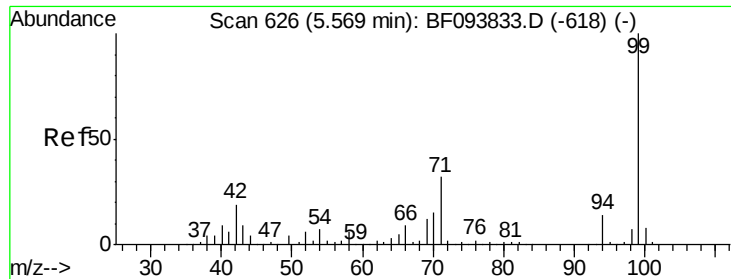


#5

2-Fluorophenol
Concen: 116.60 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Tgt Ion:112 Resp: 1212118
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 29.2 23.4 35.0





#7

Phenol-d6

Concen: 114.12 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

Instrument :

BNA_F

ClientSampleId :

E2-BB10-NSW

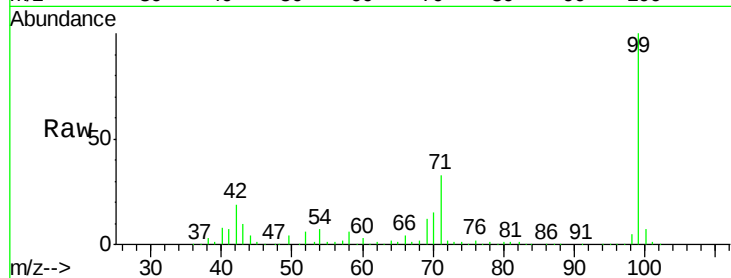
Tot Ion: 99 Resp: 1467583

Ion Ratio Lower Upper

99 100

42 18.9 13.5 20.3

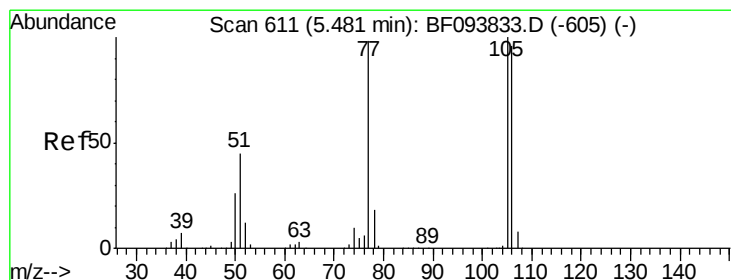
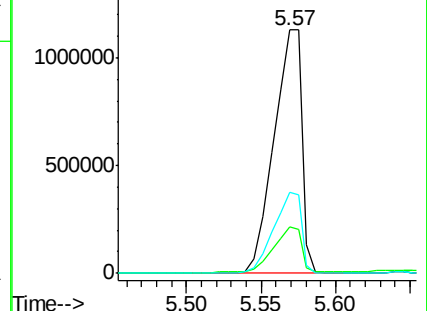
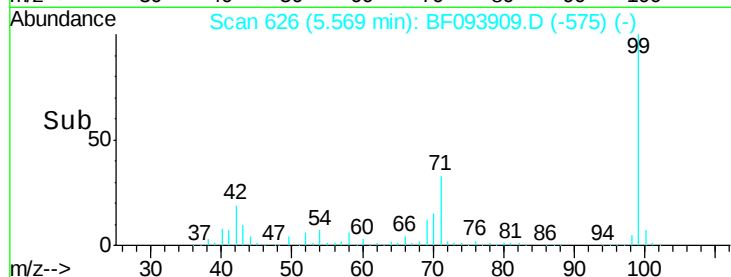
71 33.5 24.5 36.7



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: 2.88 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

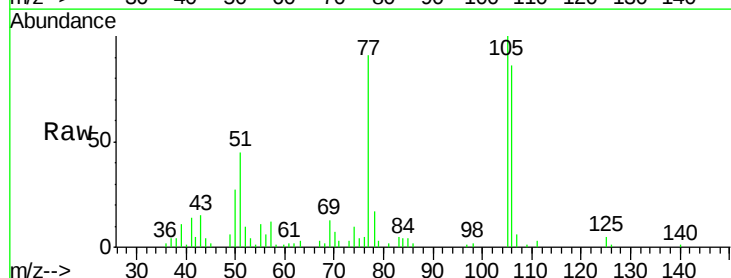
Tgt Ion: 77 Resp: 25028

Ion Ratio Lower Upper

77 100

105 109.7 83.8 123.8

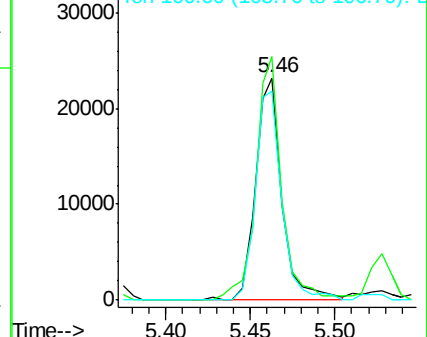
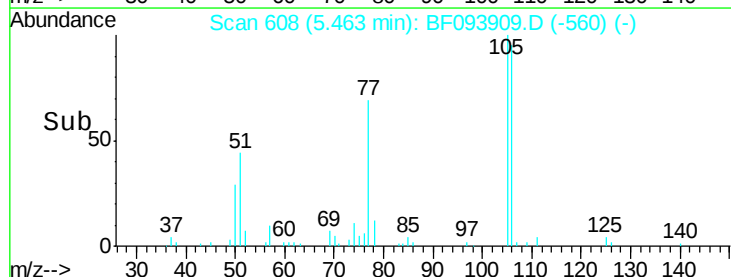
106 94.4 79.1 119.1

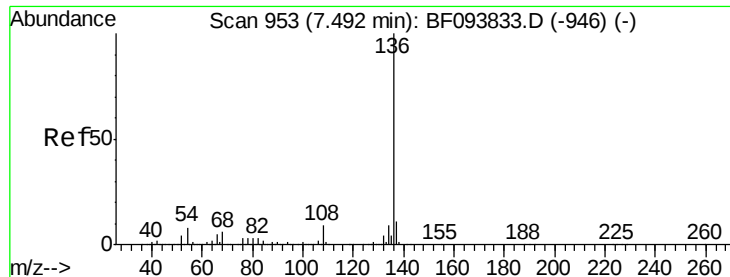


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

Instrument :

BNA_F

ClientSampleId :

E2-BB10-NSW

Tot Ion:136 Resp: 661611

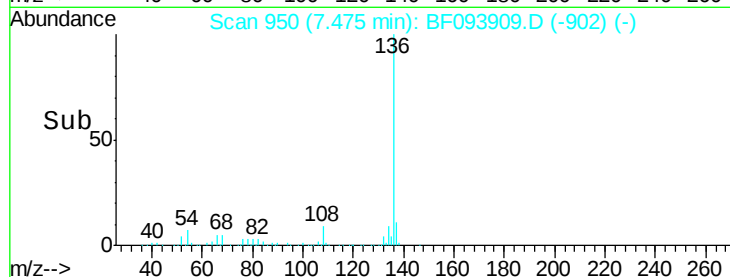
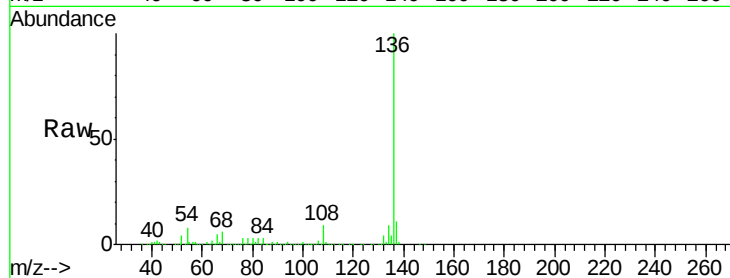
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.7 4.9 7.3#

68 5.7 4.1 6.1

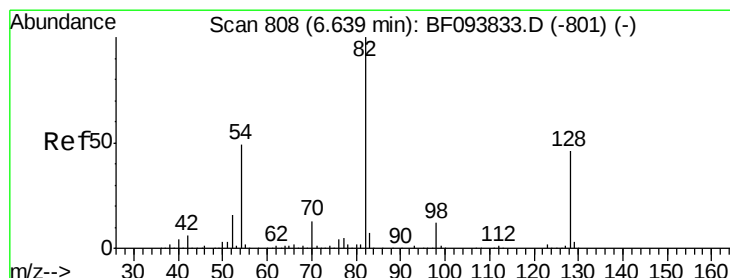
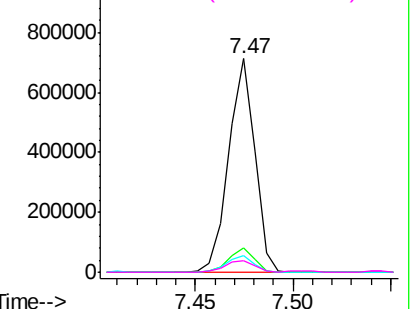


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.49 ng

RT: 6.62 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

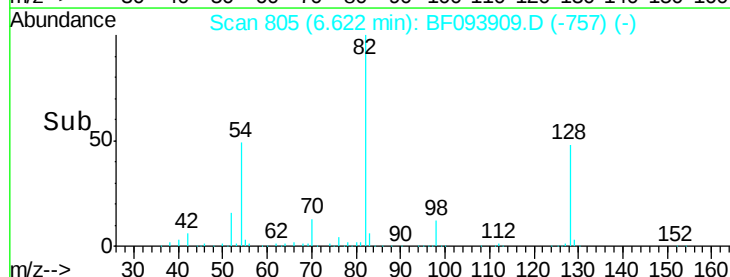
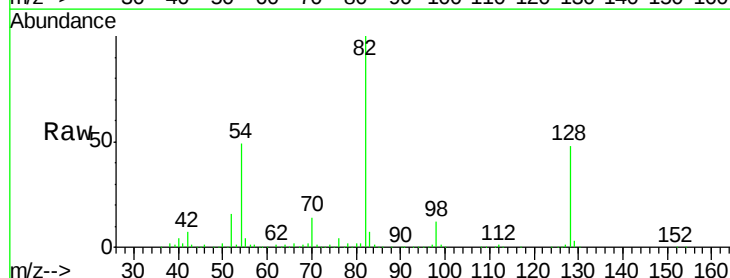
Tgt Ion: 82 Resp: 898334

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

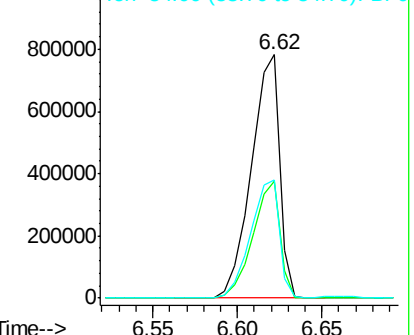
54 48.8 42.2 63.2

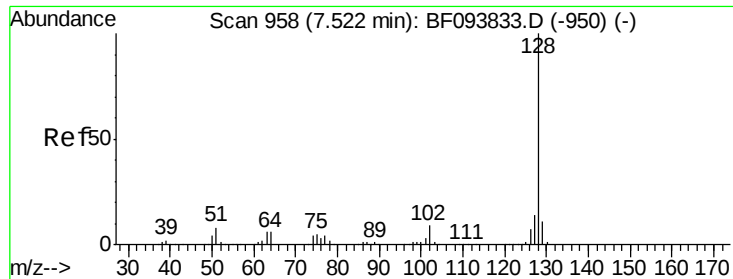


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

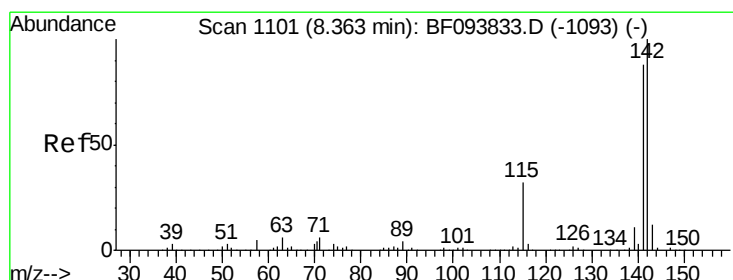
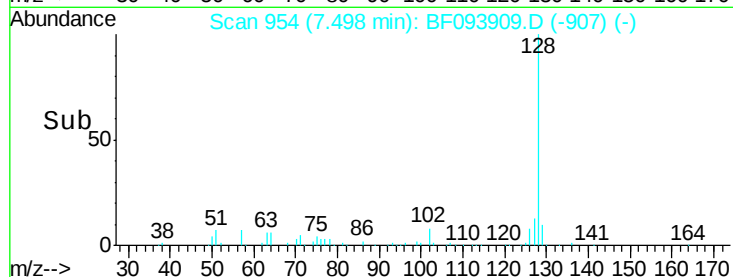
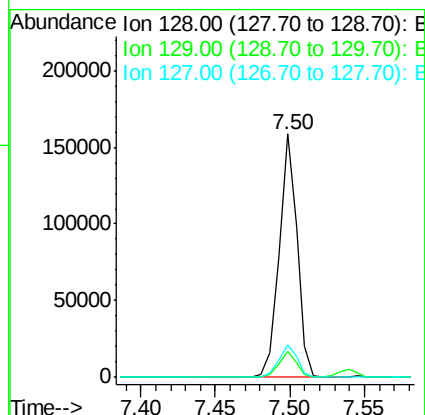
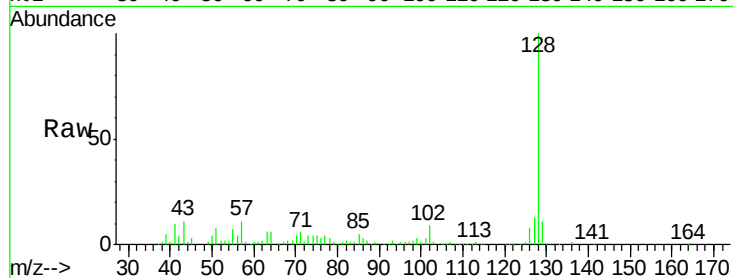




#31
Naphthalene
Concen: 4.20 ng
RT: 7.50 min Scan# 954
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

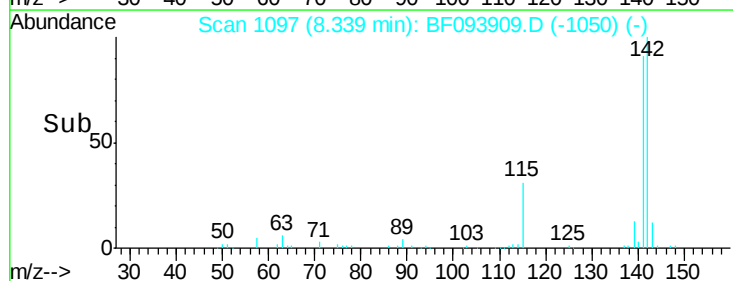
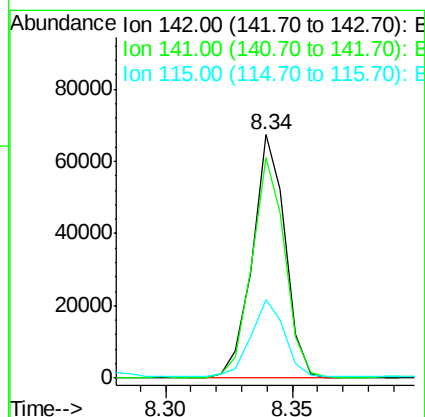
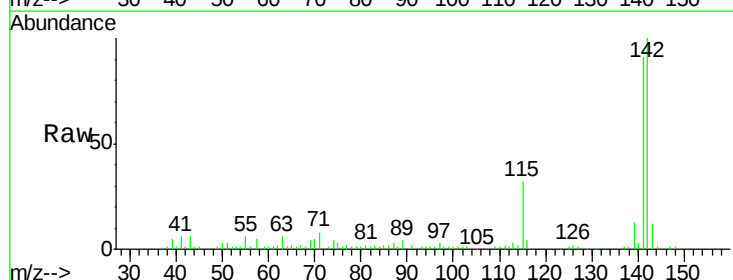
Instrument :
BNA_F
ClientSampleId :
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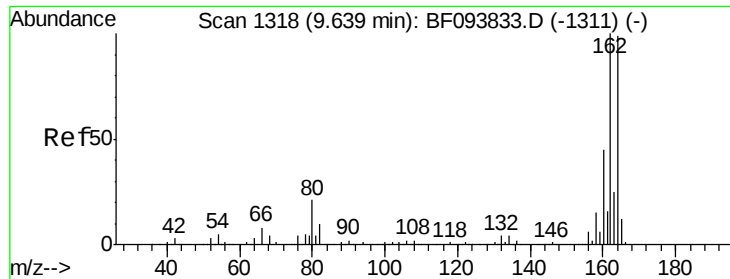
Tot Ion:128 Resp: 133580
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.4 10.8 16.2



#37
2-Methylnaphthalene
Concen: 2.85 ng
RT: 8.34 min Scan# 1097
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Tgt Ion:142 Resp: 60373
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9
115 32.4 27.1 40.7

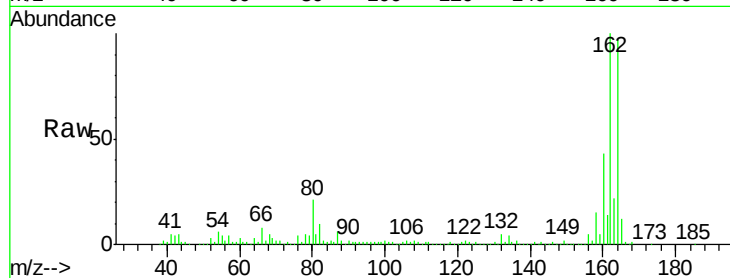




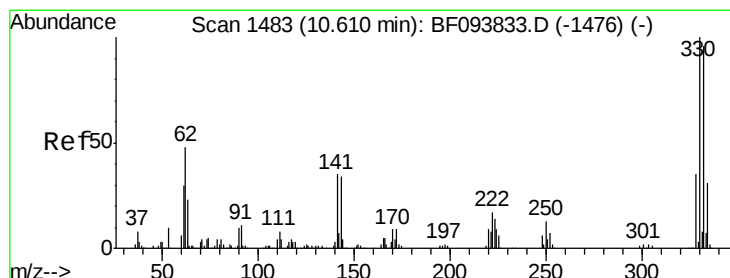
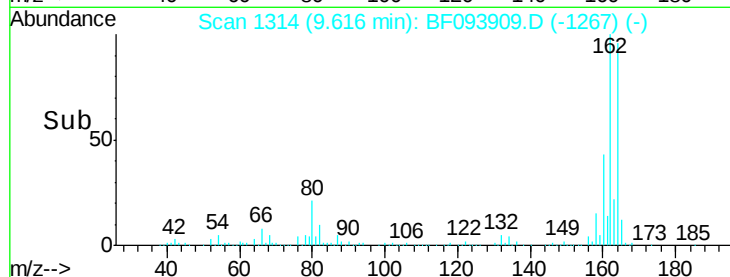
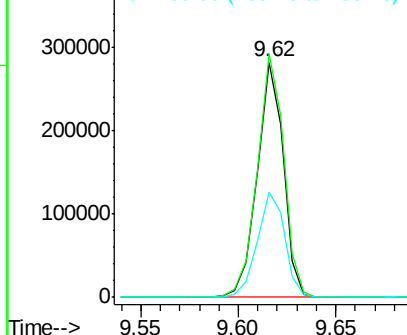
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Instrument :
BNA_F
ClientSampleId :
E2-BB10-NSW

Tot Ion:164 Resp: 262427
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 45.0 36.2 54.2

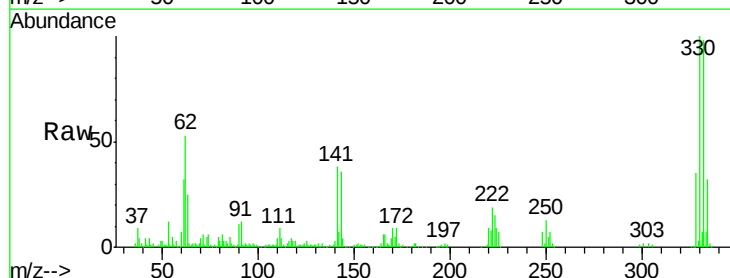


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

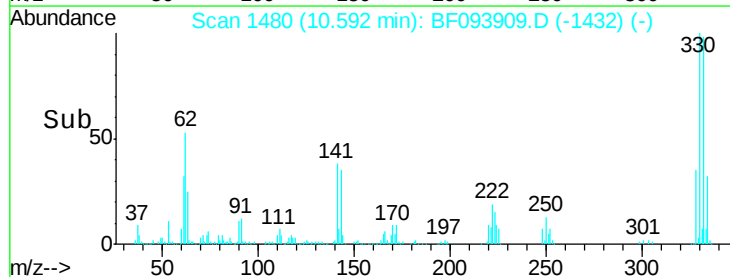
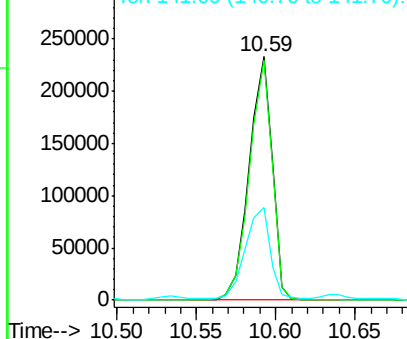


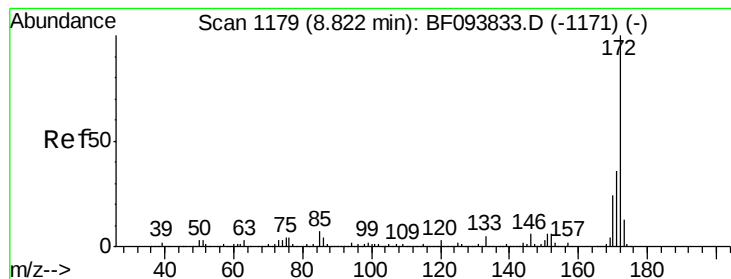
#41
2,4,6-Tribromophenol
Concen: 113.30 ng
RT: 10.59 min Scan# 1480
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Tgt Ion:330 Resp: 234946
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 40.6 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: 87.09 ng

RT: 8.80 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

Instrument :

BNA_F

ClientSampleId :

E2-BB10-NSW

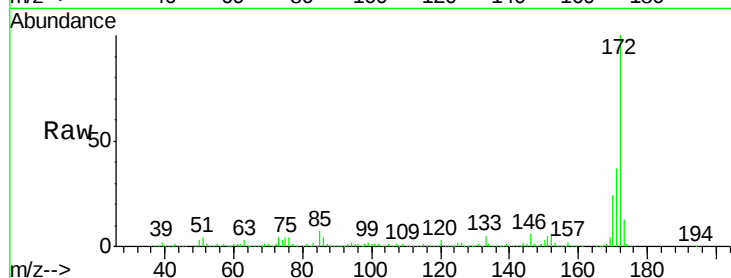
Tot Ion:172 Resp: 1498381

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

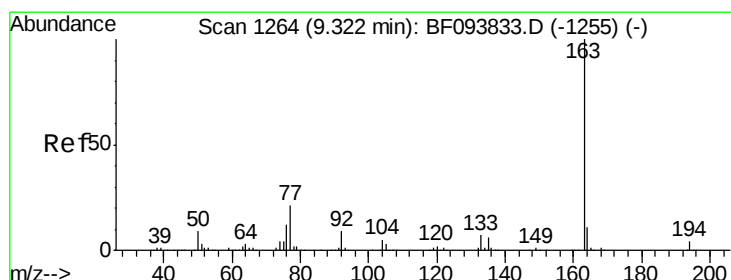
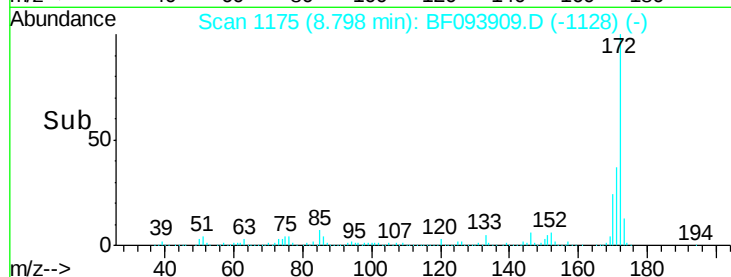
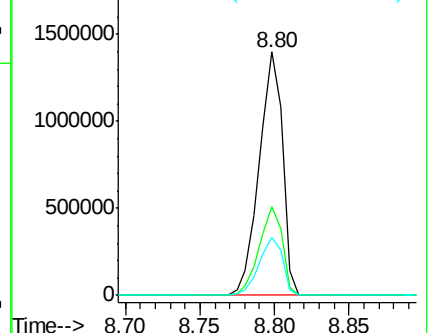
170 24.0 19.8 29.8



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



#49

Dimethylphthalate

Concen: 7.56 ng

RT: 9.29 min Scan# 1259

Delta R.T. -0.03 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

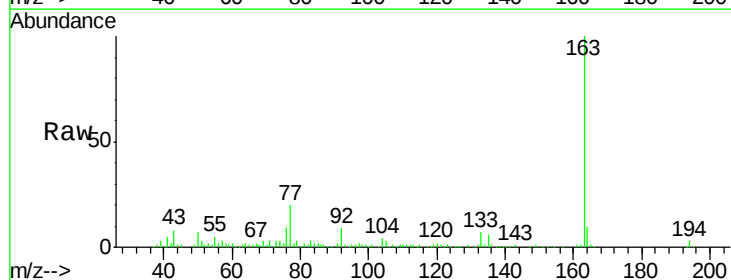
Tgt Ion:163 Resp: 141015

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

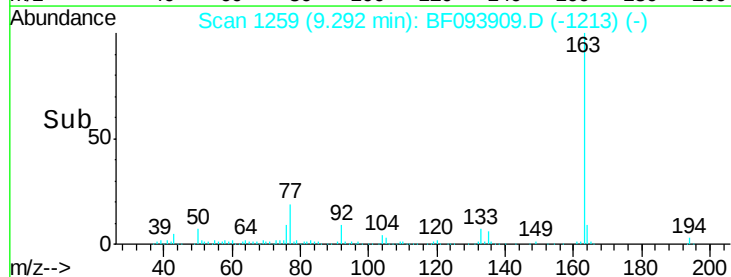
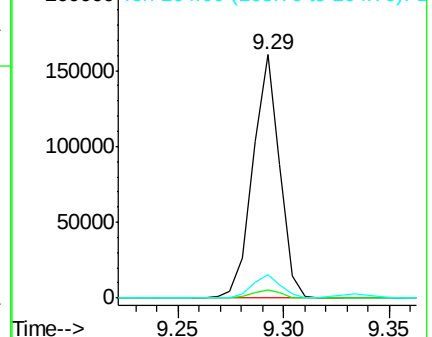
164 9.7 8.4 12.6

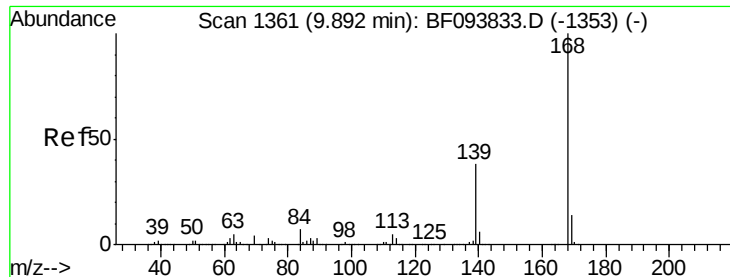


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzenofuran

Concen: 2.16 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

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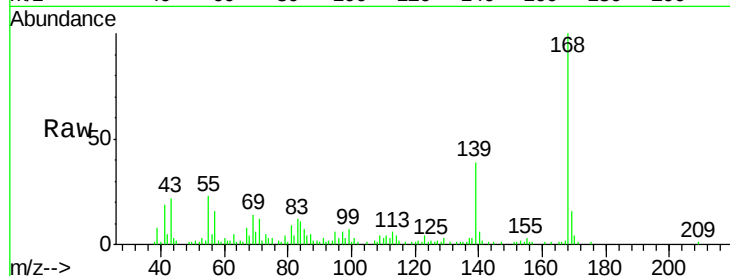
Tot Ion:168 Resp: 47345

Ion Ratio Lower Upper

168 100

139 38.8 30.6 45.8

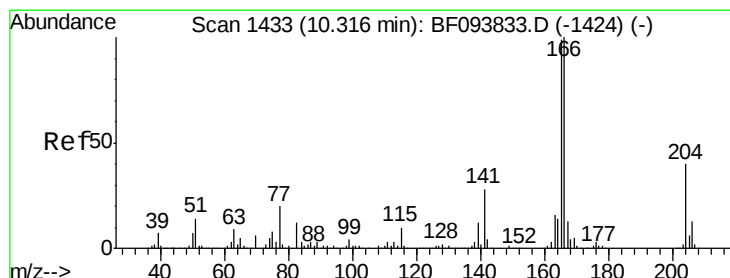
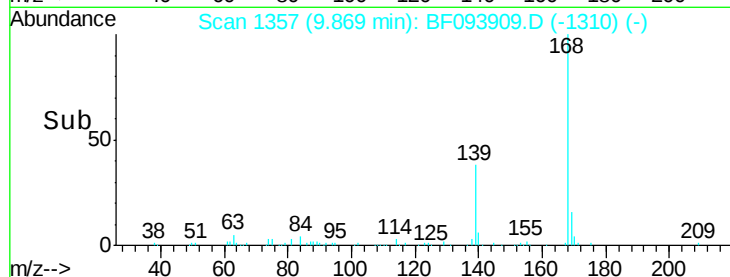
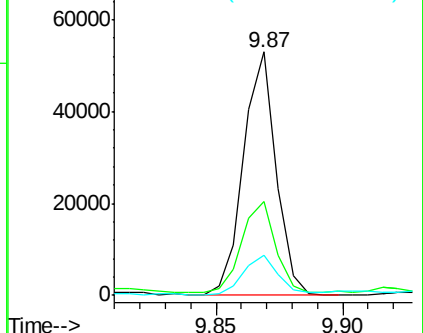
169 16.2 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 2.53 ng

RT: 10.29 min Scan# 1428

Delta R.T. -0.03 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

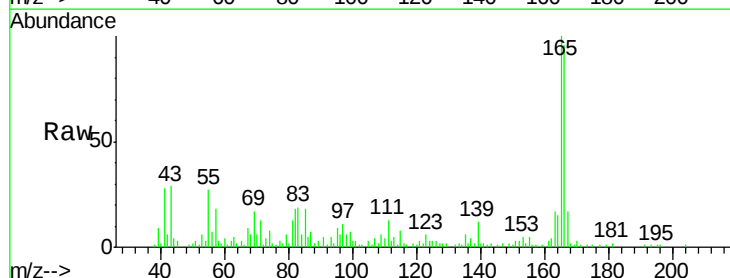
Tgt Ion:166 Resp: 45915

Ion Ratio Lower Upper

166 100

165 104.0 78.8 118.2

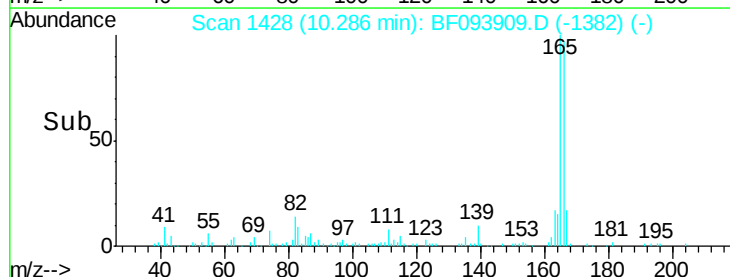
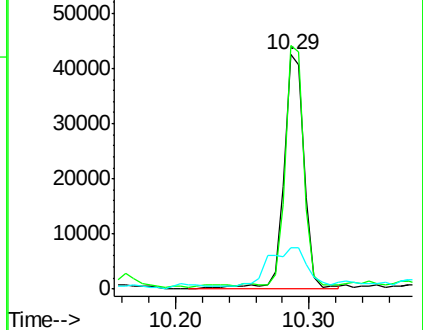
167 17.8 10.6 16.0#

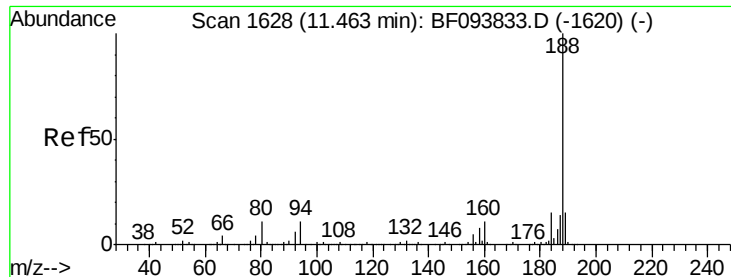


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

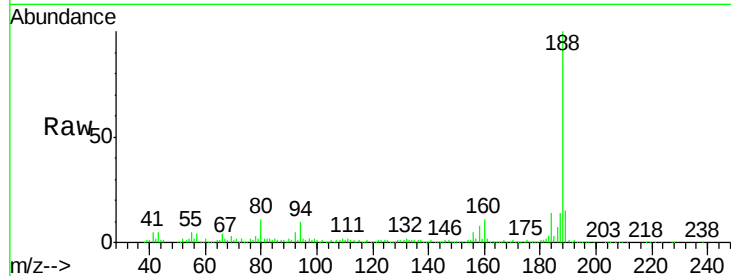




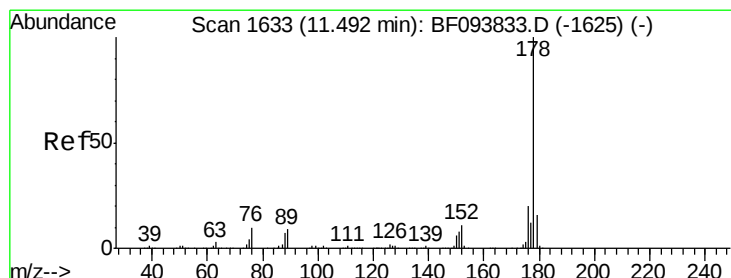
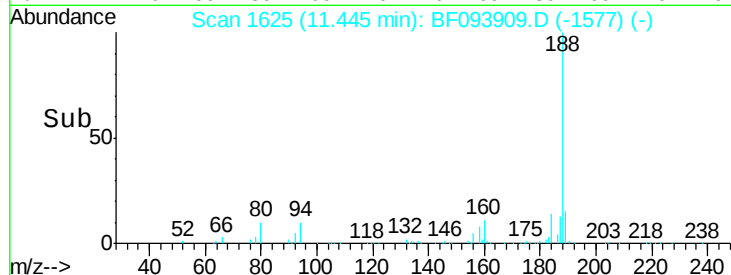
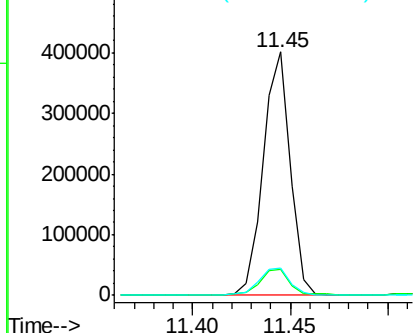
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1625
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Instrument :
BNA_F
ClientSampleId :
E2-BB10-NSW

Tot Ion:188 Resp: 382951
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.2 10.2 15.2

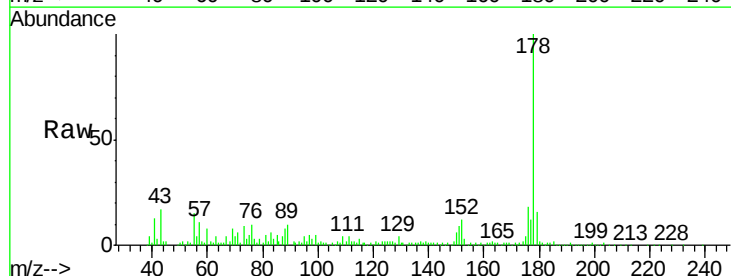


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

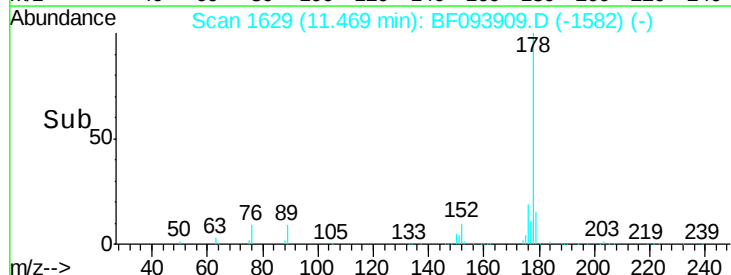
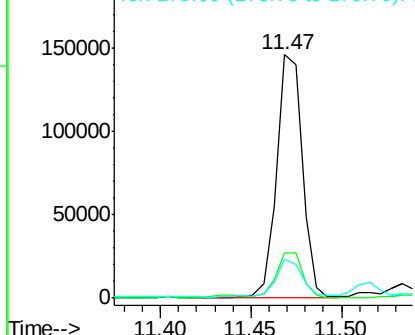


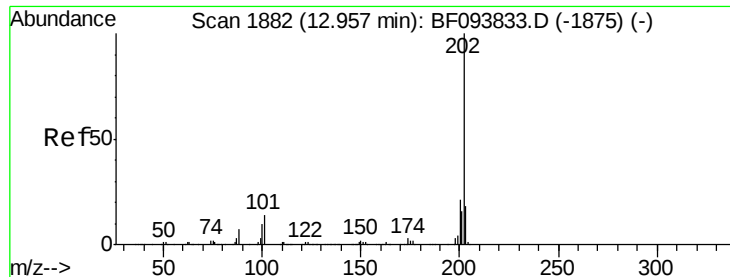
#70
Phenanthrene
Concen: 6.73 ng
RT: 11.47 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BF093909.D
Acq: 24 Mar 2017 15:34

Tgt Ion:178 Resp: 143339
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.7 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





#74

Fluoranthene

Concen: 2.63 ng

RT: 12.96 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

Instrument :

BNA_F

ClientSampleId :

E2-BB10-NSW

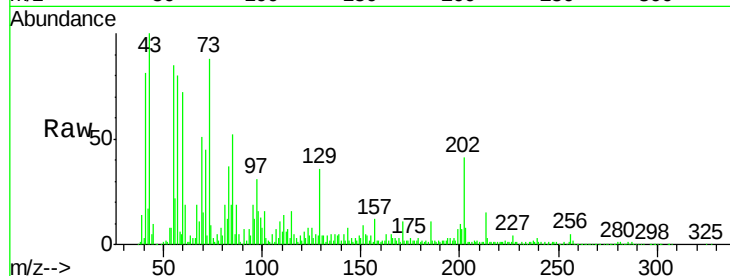
Tot Ion:202 Resp: 57420

Ion Ratio Lower Upper

202 100

101 37.9 0.0 33.2#

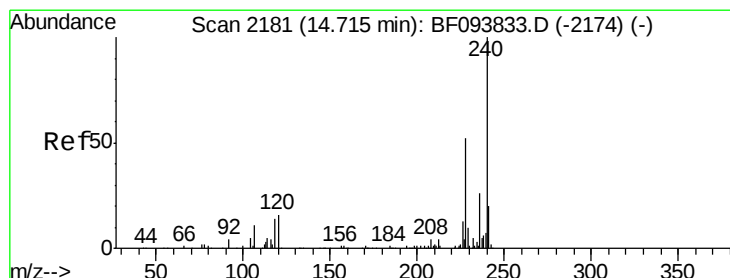
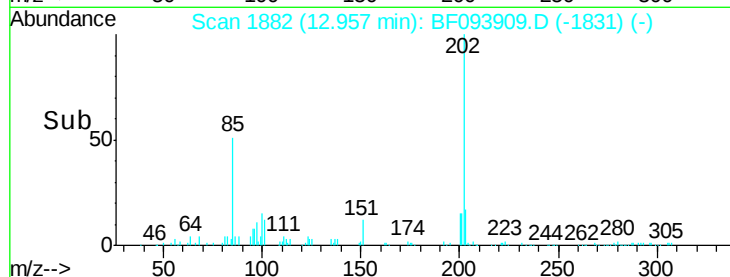
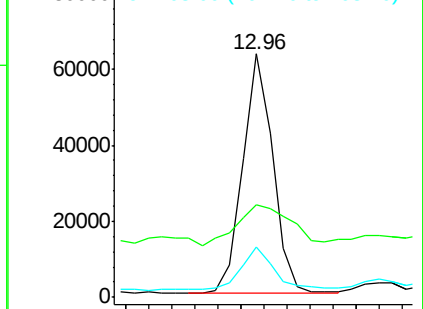
203 20.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.74 min Scan# 2185

Delta R.T. 0.02 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

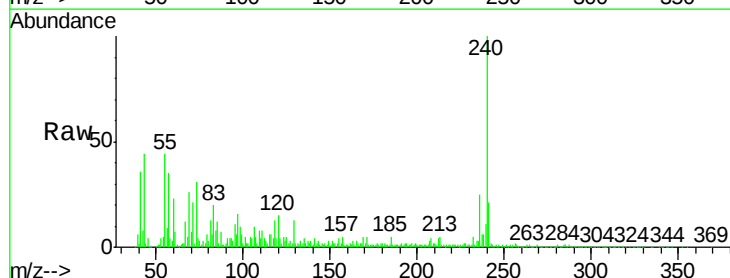
Tgt Ion:240 Resp: 296947

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

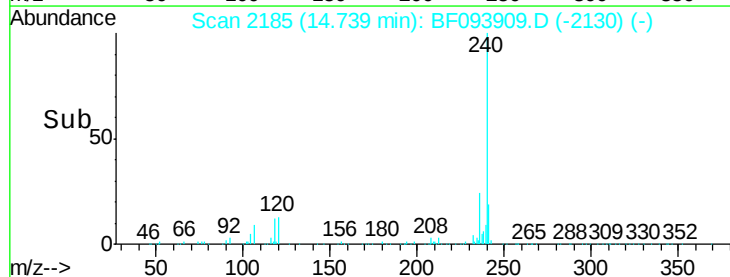
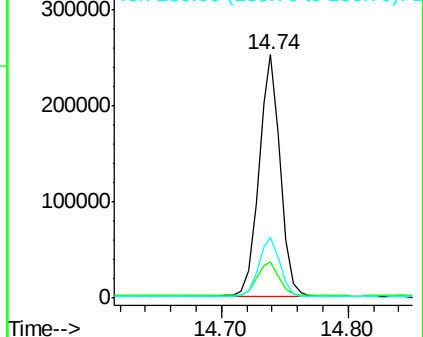
236 24.6 20.5 30.7

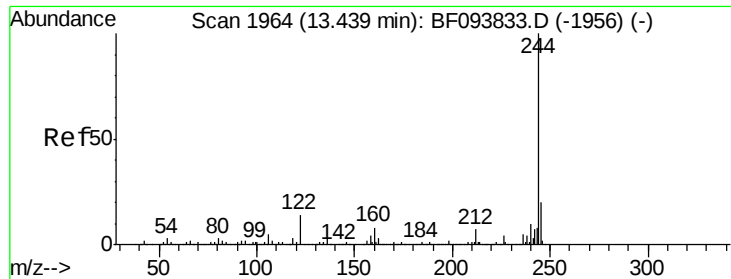


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 57.50 ng

RT: 13.45 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

Instrument :

BNA_F

ClientSampleId :

E2-BB10-NSW

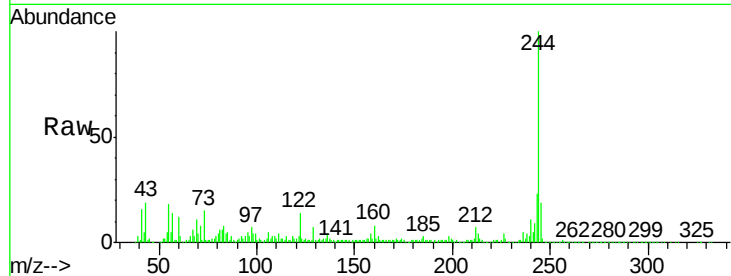
Tot Ion:244 Resp: 761749

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

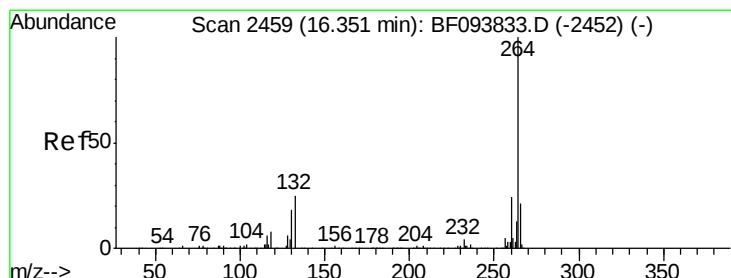
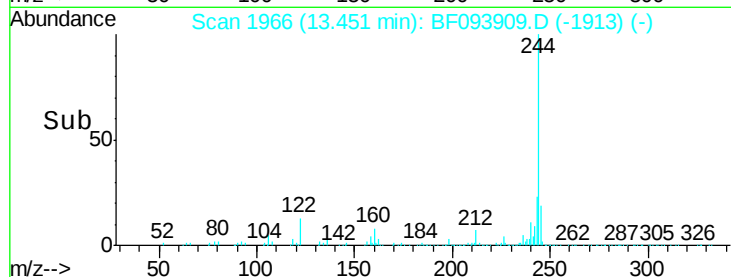
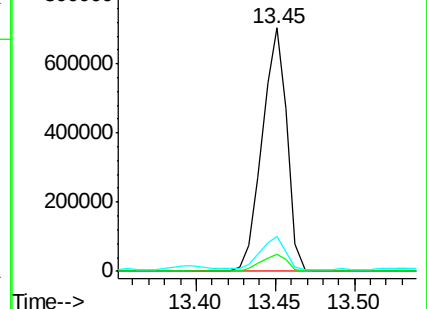
122 14.3 10.3 15.5



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: 16.36 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BF093909.D

Acq: 24 Mar 2017 15:34

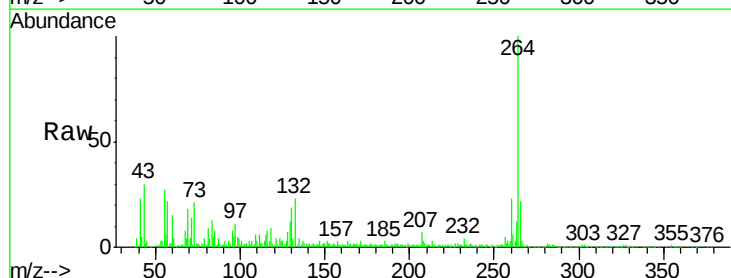
Tgt Ion:264 Resp: 232031

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.9 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

