

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093355.D
 Acq On : 3 Mar 2017 11:33
 Operator : SJ/MA
 Sample : I2057-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20B-23

Quant Time: Mar 03 16:15:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

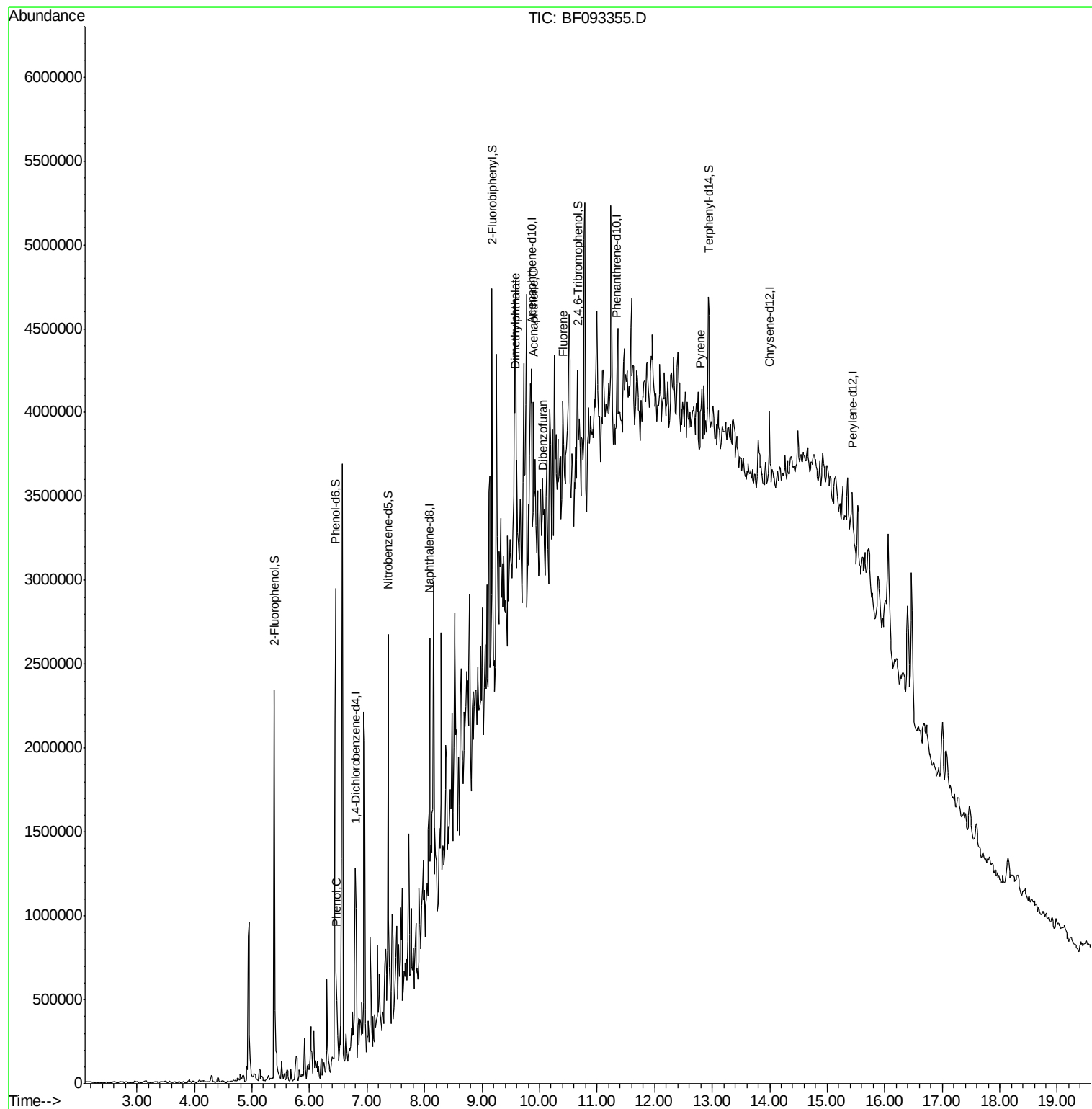
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155402	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	577876	20.00	ng	-0.06
38) Acenaphthene-d10	9.86	164	239764	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	340258	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	245490	20.00	ng	-0.02
86) Perylene-d12	15.44	264	234018	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1034392	114.20	ng	-0.06
7) Phenol-d6	6.45	99	1374091	117.90	ng	-0.03
23) Nitrobenzene-d5	7.37	82	752853	72.55	ng	-0.06
41) 2,4,6-Tribromophenol	10.66	330	185060	106.72	ng	-0.02
44) 2-Fluorobiphenyl	9.17	172	1033886	78.12	ng	-0.05
78) Terphenyl-d14	12.93	244	615582	58.92	ng	-0.03
Target Compounds						
10) Phenol	6.46	94	58982	4.33	ng	Qvalue 80
49) Dimethylphthalate	9.57	163	165153	10.23	ng	# 92
51) Acenaphthene	9.89	154	49066	3.50	ng	# 62
54) Dibenzofuran	10.06	168	45766	2.44	ng	# 75
57) Fluorene	10.41	166	117385	8.13	ng	# 78
77) Pyrene	12.80	202	126155	6.87	ng	# 90

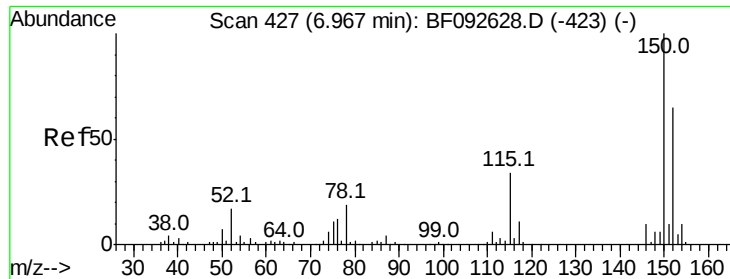
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampleId :

20B-23

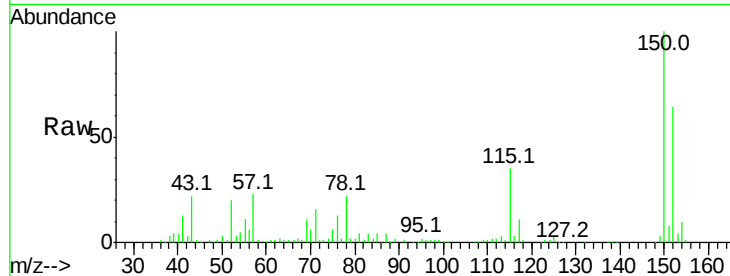
Tot Ion:152 Resp: 155402

Ion Ratio Lower Upper

152 100

150 155.6 124.9 187.3

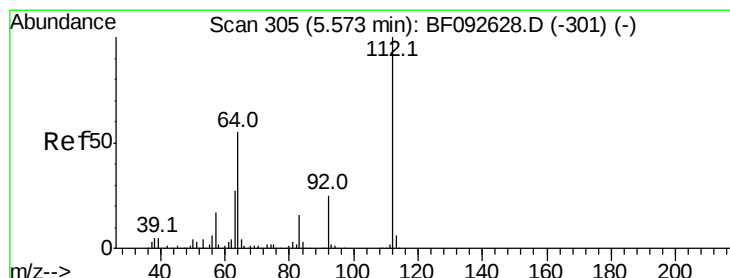
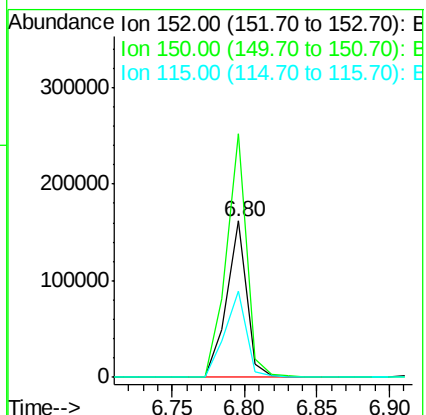
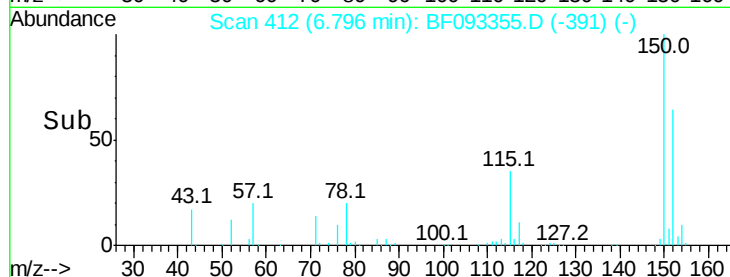
115 54.9 46.0 69.0



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: 114.20 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

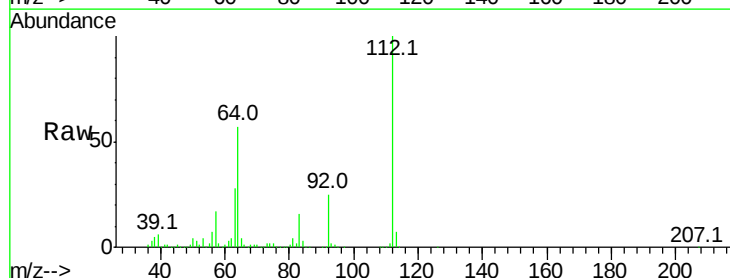
Tgt Ion:112 Resp: 1034392

Ion Ratio Lower Upper

112 100

64 57.0 46.1 69.1

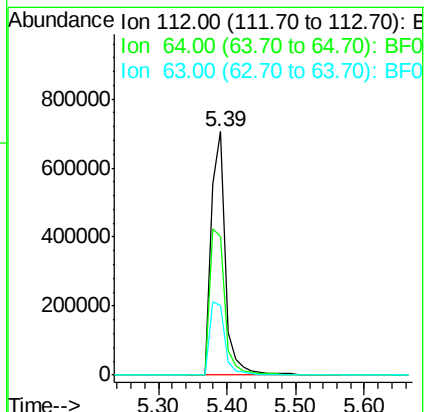
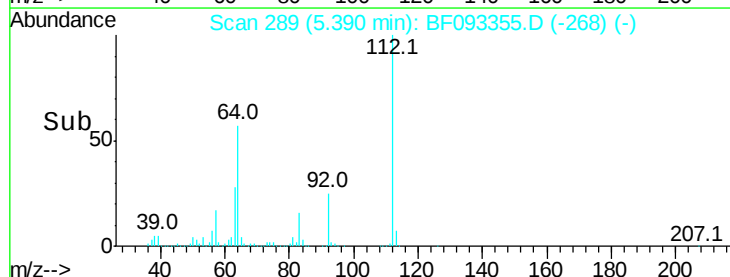
63 28.5 23.8 35.6

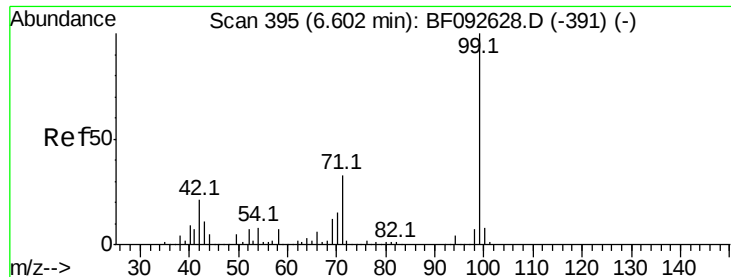


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.90 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampleId :

20B-23

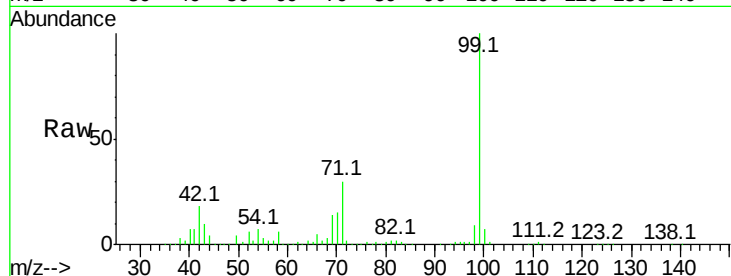
Tot Ion: 99 Resp: 1374091

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

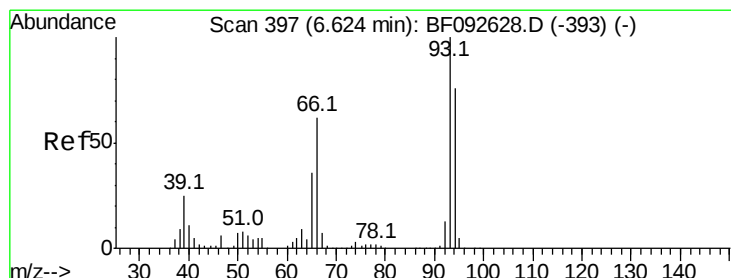
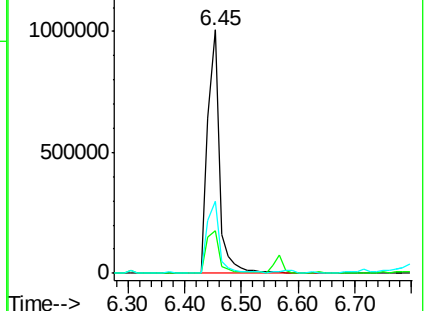
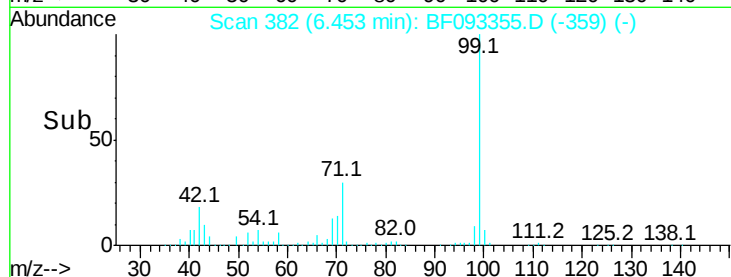
71 29.6 27.5 41.3



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: 4.33 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

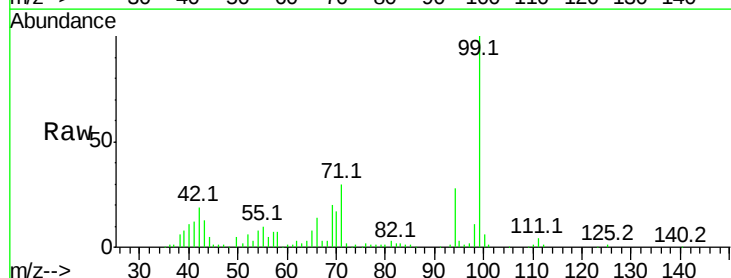
Tgt Ion: 94 Resp: 58982

Ion Ratio Lower Upper

94 100

65 28.1 21.4 61.4

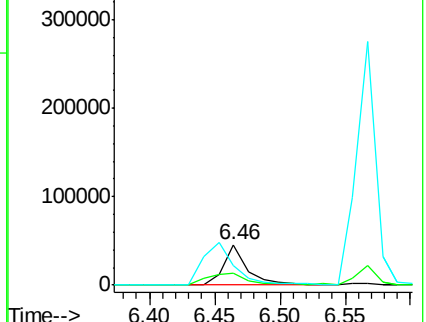
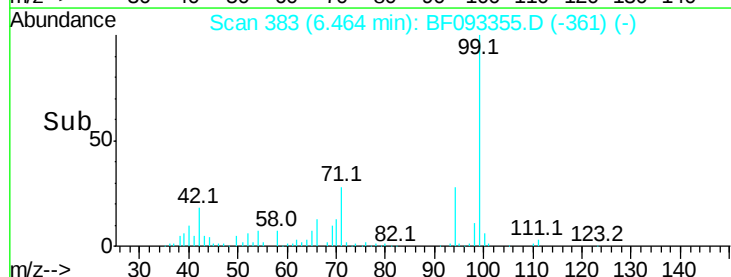
66 48.8 44.0 84.0

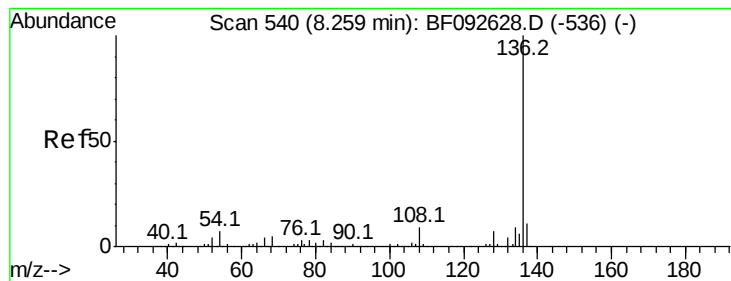


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampled :

20B-23

Tot Ion:136 Resp: 577876

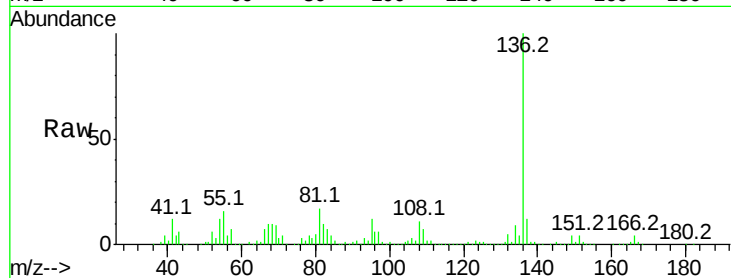
Ion Ratio Lower Upper

136 100

137 12.2 8.4 12.6

54 12.4 4.5 6.7#

68 10.2 3.6 5.4#

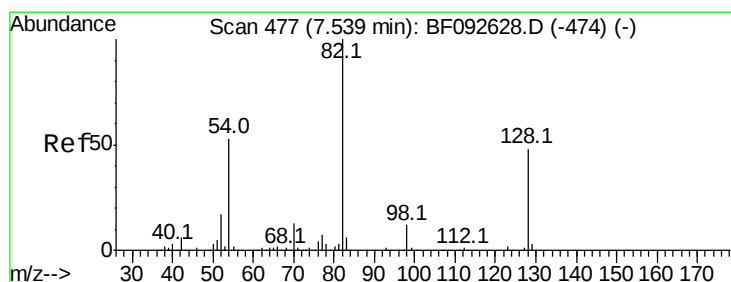
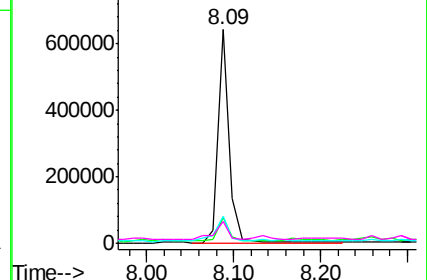
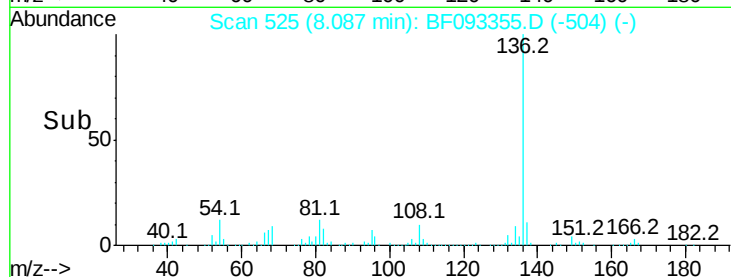


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.55 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.06 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

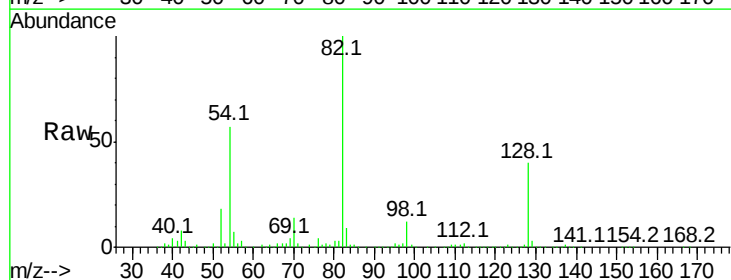
Tgt Ion: 82 Resp: 752853

Ion Ratio Lower Upper

82 100

128 40.4 34.6 52.0

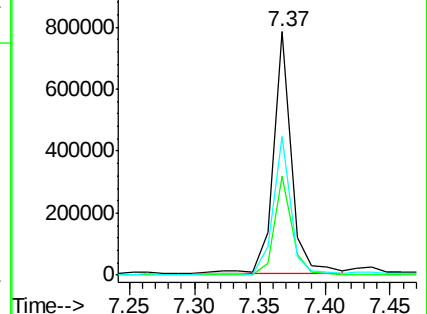
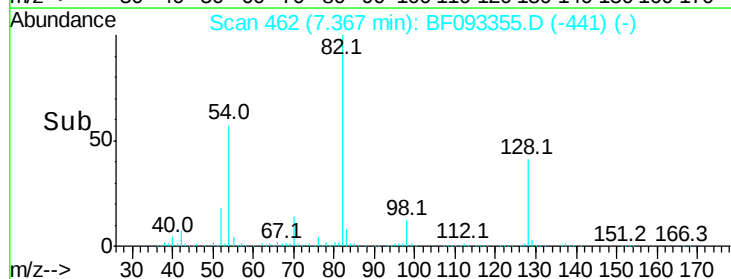
54 57.1 39.5 59.3

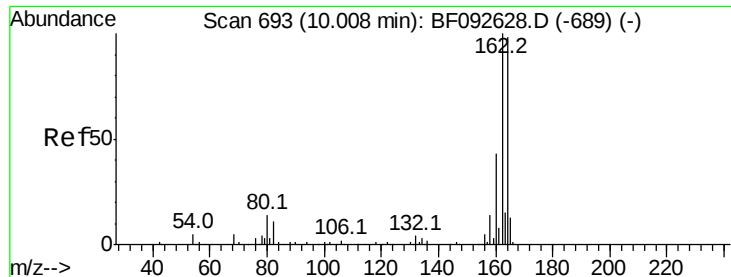


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

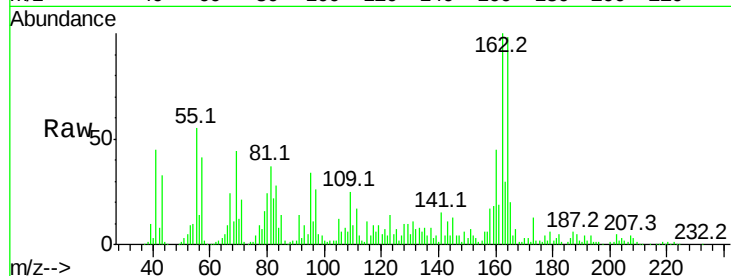




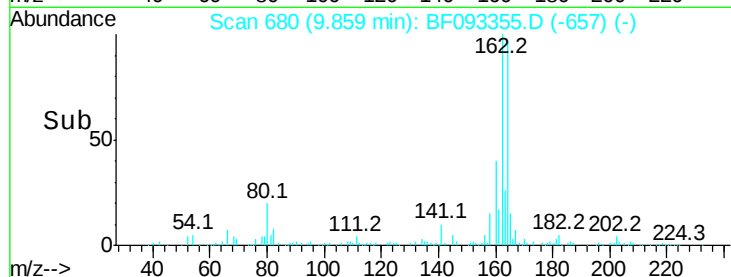
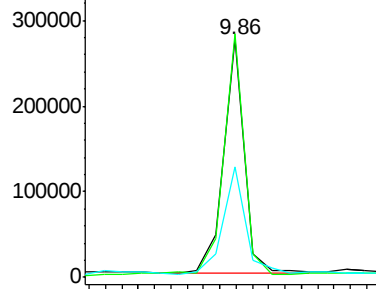
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF093355.D
Acq: 3 Mar 2017 11:33

Instrument :
BNA_F
ClientSampled :
20B-23

Tot Ion:164 Resp: 239764
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 46.1 36.9 55.3

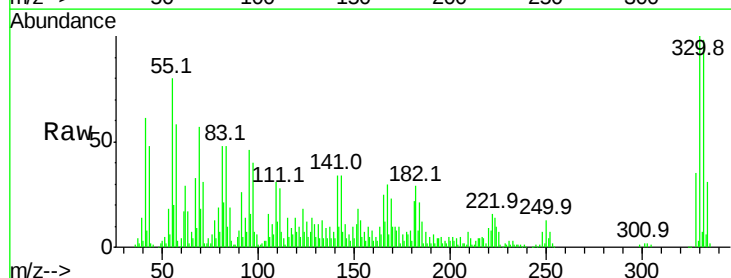


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

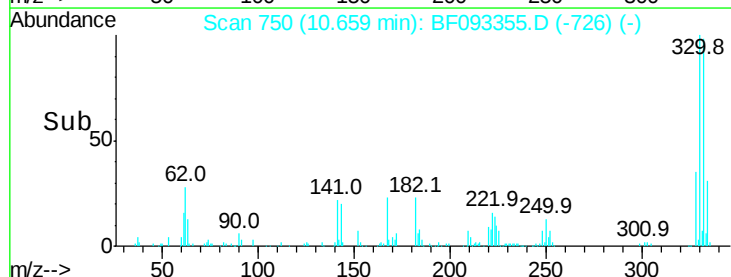
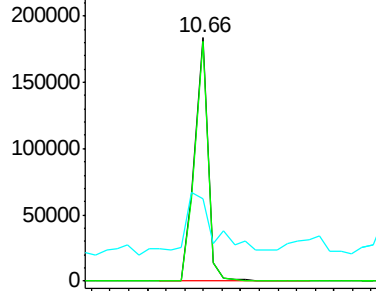


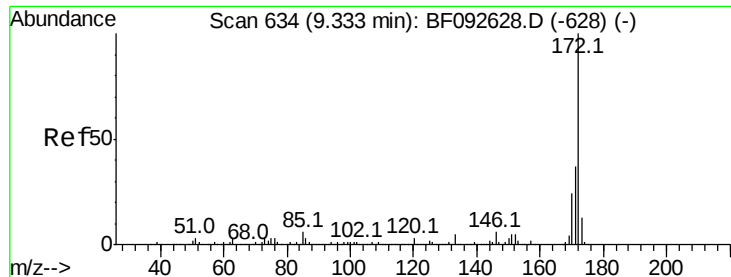
#41
2,4,6-Tribromophenol
Concen: 106.72 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF093355.D
Acq: 3 Mar 2017 11:33

Tgt Ion:330 Resp: 185060
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.2
141 58.0 34.1 51.1#



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: 78.12 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.05 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampled :

20B-23

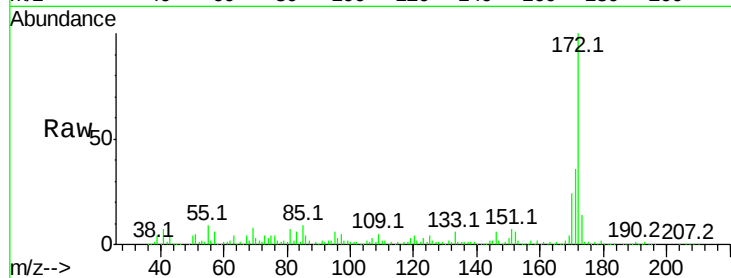
Tot Ion:172 Resp: 1033886

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

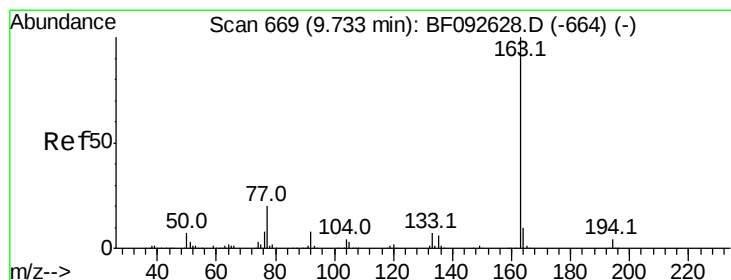
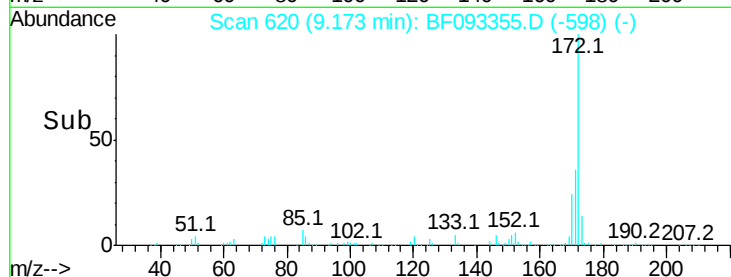
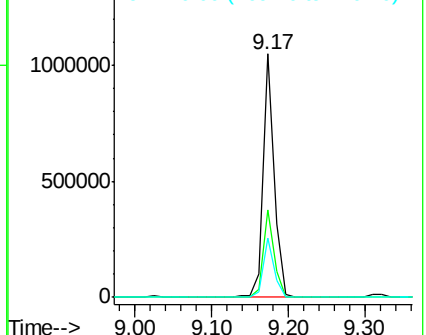
170 24.1 20.2 30.4



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: 10.23 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

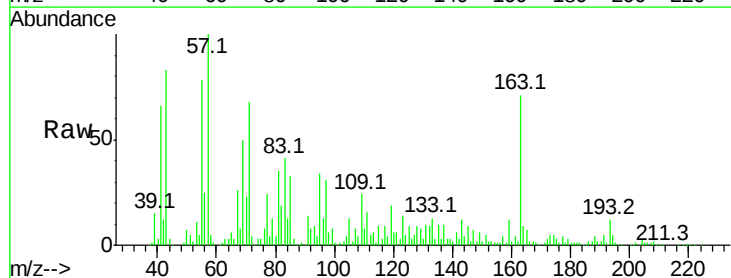
Tgt Ion:163 Resp: 165153

Ion Ratio Lower Upper

163 100

194 7.5 3.0 4.4#

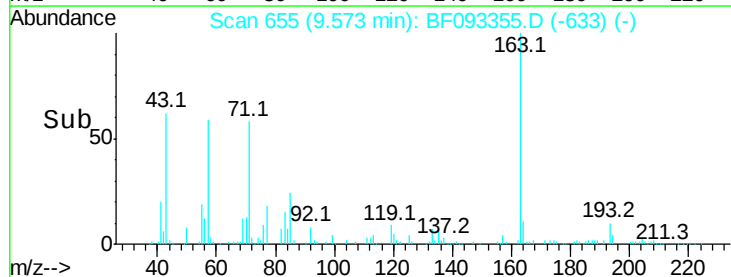
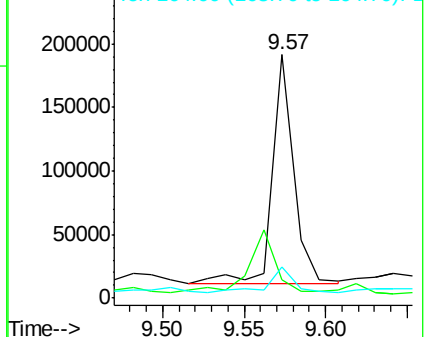
164 12.6 8.0 12.0#

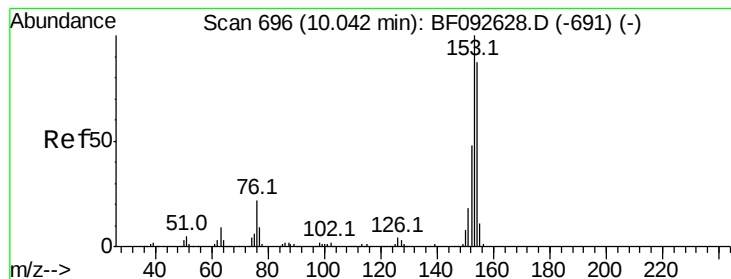


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.50 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampled :

20B-23

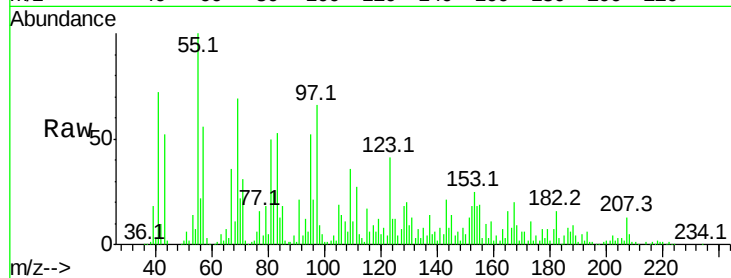
Tot Ion:154 Resp: 49066

Ion Ratio Lower Upper

154 100

153 136.5 88.6 133.0#

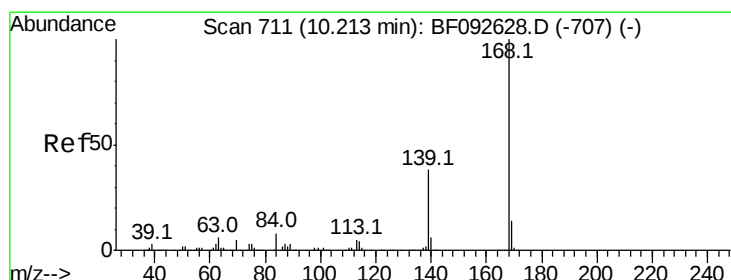
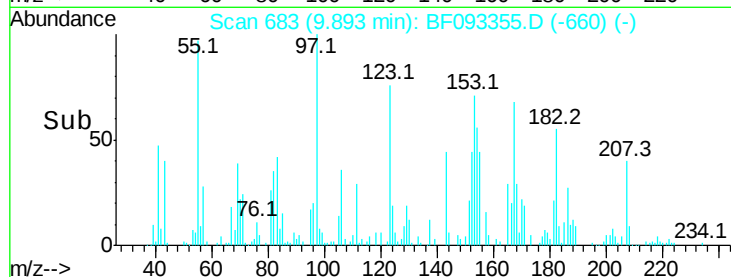
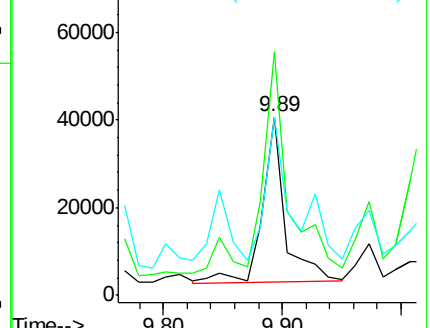
152 100.0 41.6 62.4#



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



#54

Dibenzofuran

Concen: 2.44 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

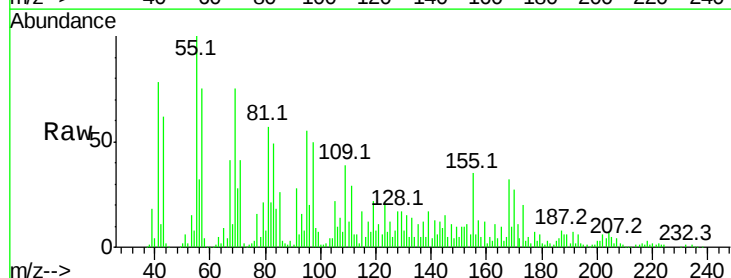
Tgt Ion:168 Resp: 45766

Ion Ratio Lower Upper

168 100

139 52.7 32.6 49.0#

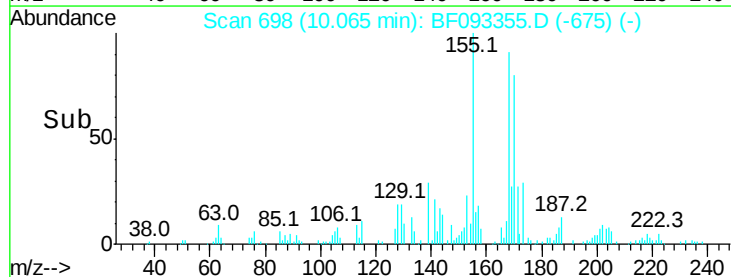
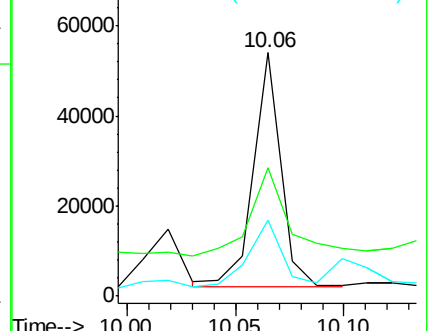
169 31.4 11.3 16.9#

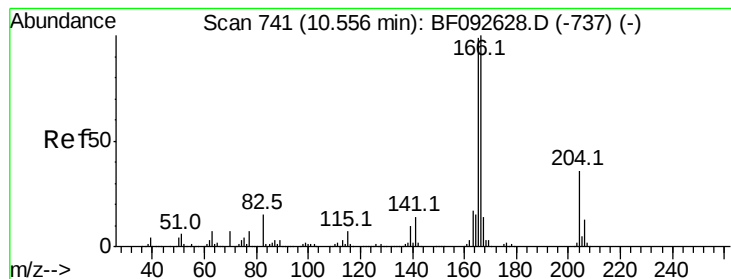


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.13 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampleId :

20B-23

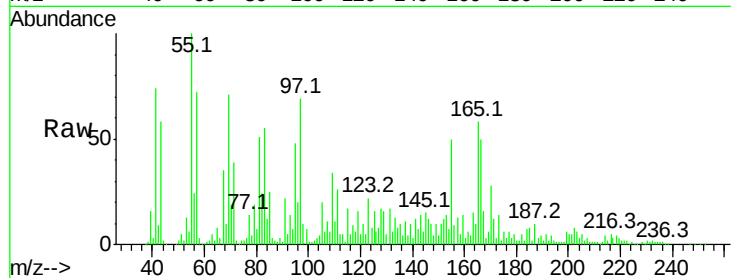
Tot Ion:166 Resp: 117385

Ion Ratio Lower Upper

166 100

165 115.4 77.8 116.8

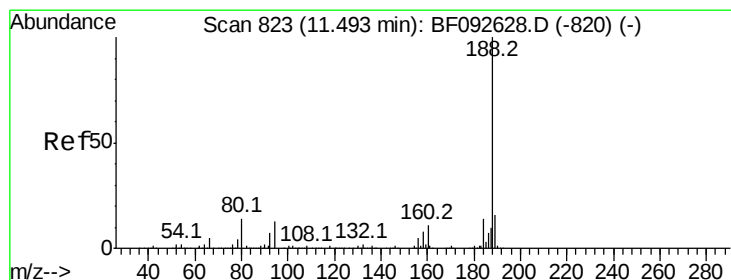
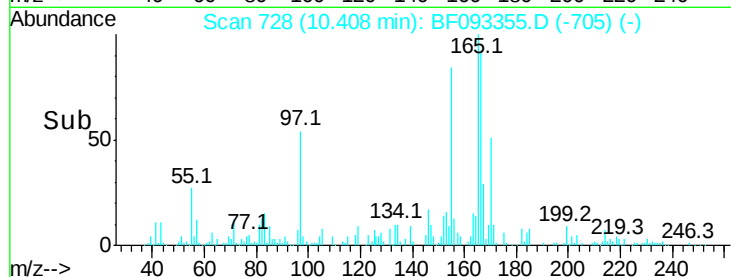
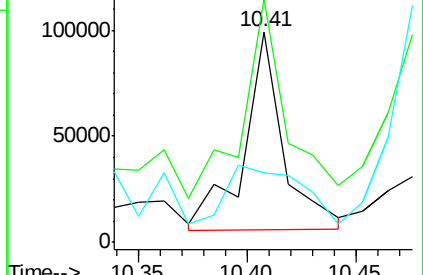
167 32.9 10.8 16.2#



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: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

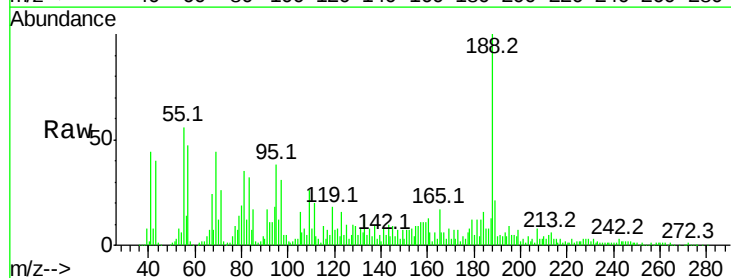
Tgt Ion:188 Resp: 340258

Ion Ratio Lower Upper

188 100

94 18.4 10.0 15.0#

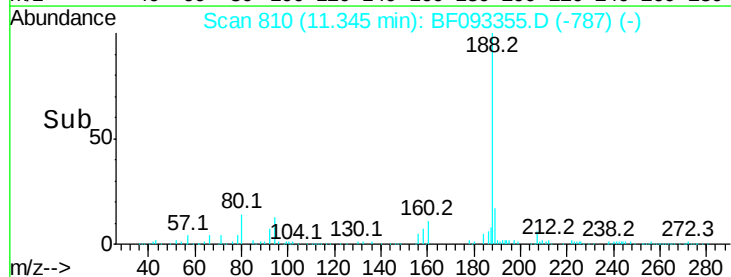
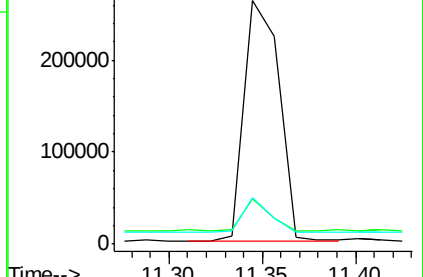
80 18.9 11.2 16.8#

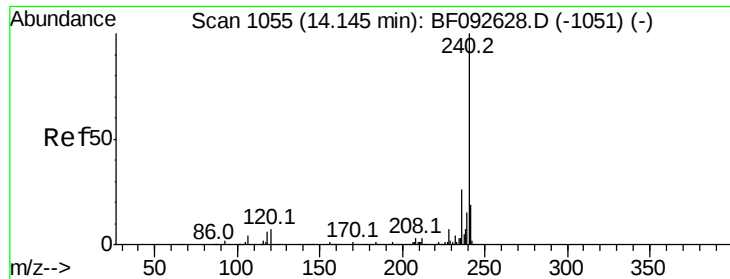


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampleId :

20B-23

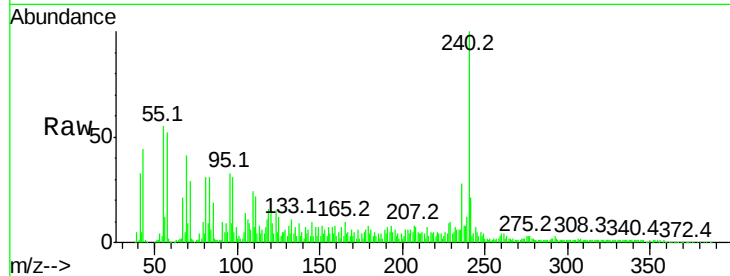
Tot Ion:240 Resp: 245490

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

236 28.0 20.9 31.3



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

300000

250000

200000

150000

100000

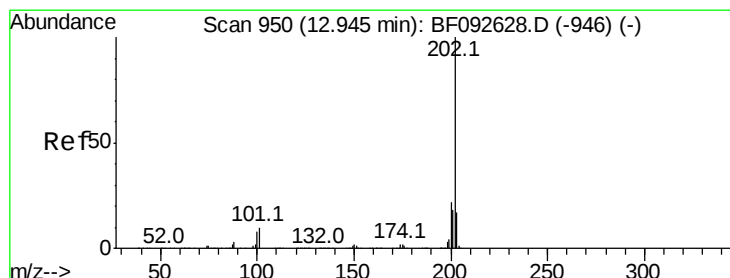
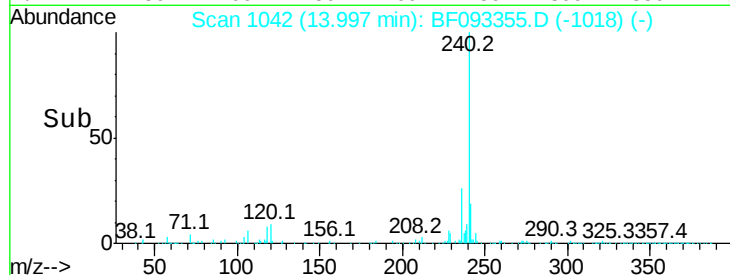
50000

0

14.00

13.80 13.90 14.00 14.10

Time-->



#77

Pyrene

Concen: 6.87 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

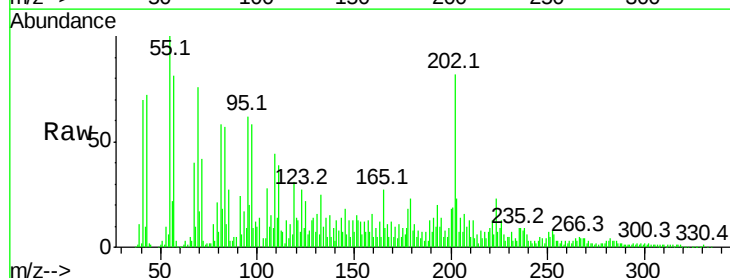
Tgt Ion:202 Resp: 126155

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

203 28.2 14.7 22.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

150000

100000

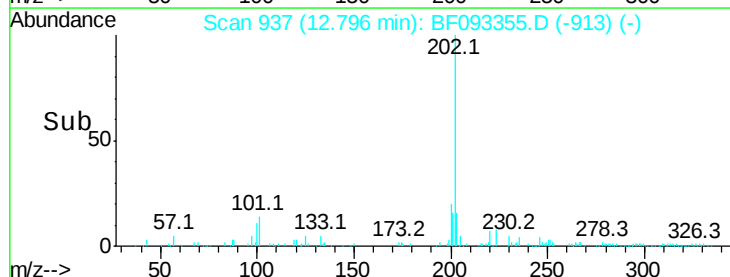
50000

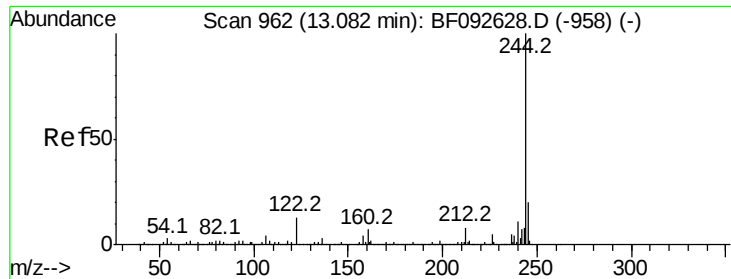
0

12.80

12.75 12.80 12.85

Time-->





#78

Terphenyl-d14

Concen: 58.92 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

Instrument :

BNA_F

ClientSampleId :

20B-23

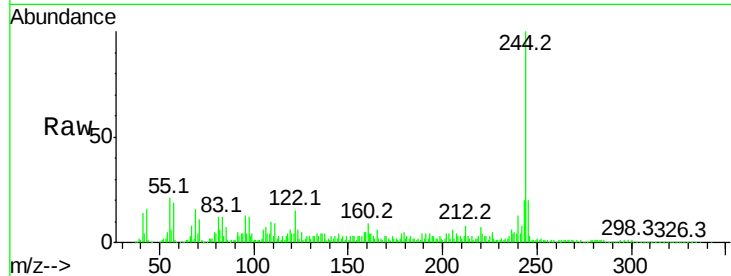
Tot Ion:244 Resp: 615582

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

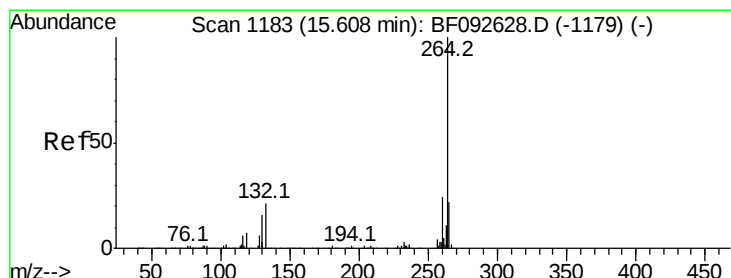
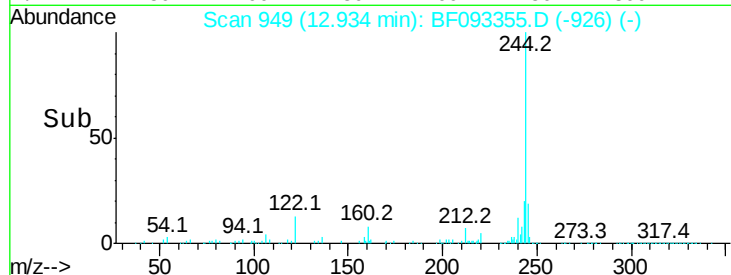
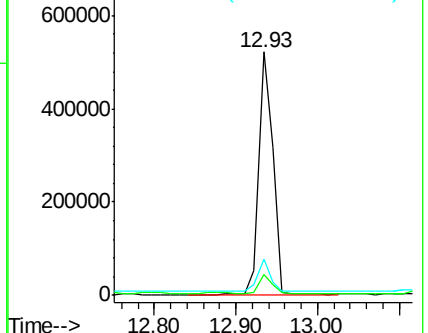
122 14.8 11.4 17.2



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: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093355.D

Acq: 3 Mar 2017 11:33

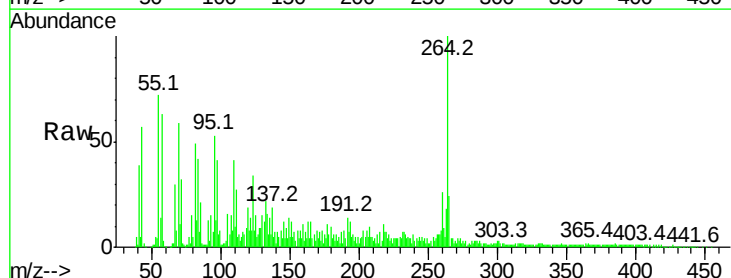
Tgt Ion:264 Resp: 234018

Ion Ratio Lower Upper

264 100

260 26.0 19.2 28.8

265 24.3 17.4 26.0



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

