

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099108.D
 Acq On : 5 Oct 2017 17:30
 Operator : SJ/JU
 Sample : I5526-02DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

Quant Time: Oct 05 18:30:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

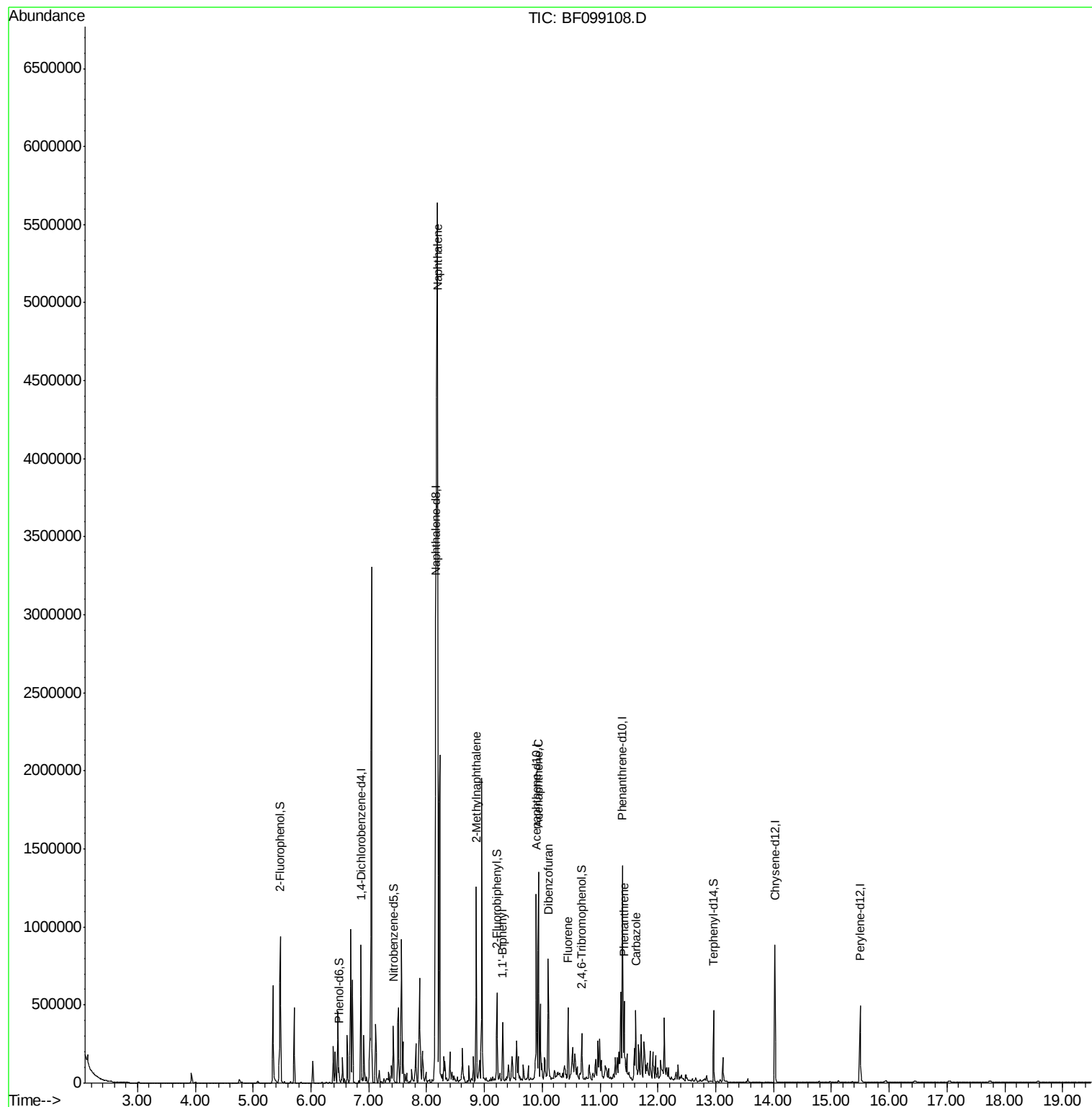
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	127207	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	469866	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	242953	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	422602	20.00	ng	0.00
75) Chrysene-d12	14.03	240	300994	20.00	ng	0.00
86) Perylene-d12	15.50	264	214947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	38463	4.81	ng	0.00
7) Phenol-d6	6.48	99	30049	3.05	ng	-0.02
23) Nitrobenzene-d5	7.42	82	71392	9.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	21497	10.81	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	152208	10.46	ng	-0.01
78) Terphenyl-d14	12.96	244	124566	9.41	ng	-0.01
Target Compounds						
31) Naphthalene	8.19	128	5982640	271.102	ng	98
37) 2-Methylnaphthalene	8.86	142	304834	21.249	ng	99
45) 1,1'-Biphenyl	9.32	154	113843	5.452	ng	97
51) Acenaphthene	9.93	154	256184	16.851	ng	99
54) Dibenzofuran	10.10	168	260029	12.846	ng	99
57) Fluorene	10.45	166	109408	6.725	ng	98
70) Phenanthrene	11.41	178	127979	5.658	ng	98
72) Carbazole	11.62	167	106702	4.708	ng	99

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

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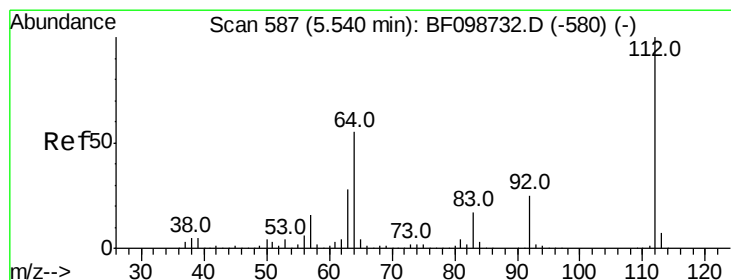
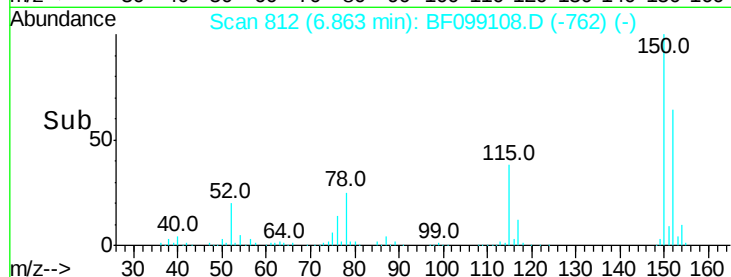
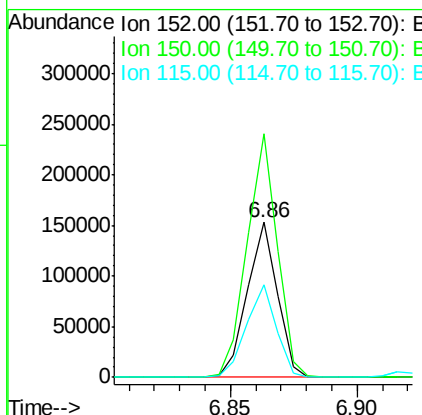
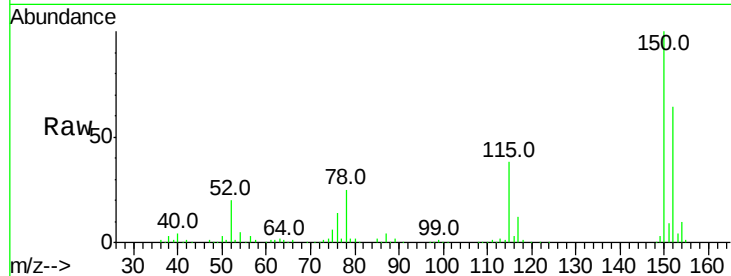


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

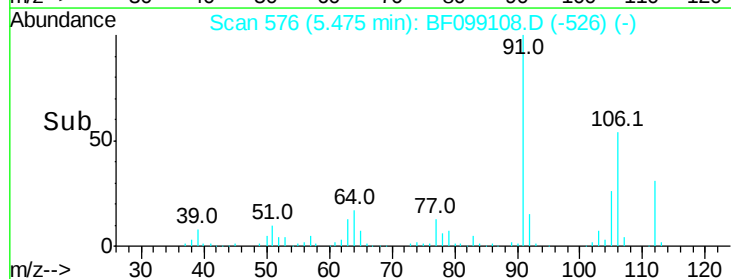
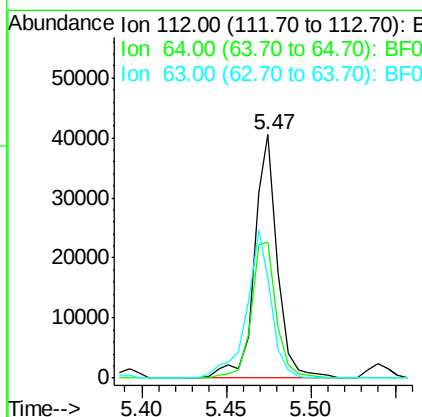
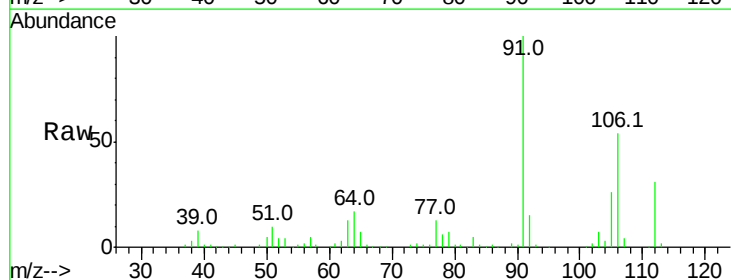
Tot Ion:152 Resp: 127207
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 60.0 50.1 75.1

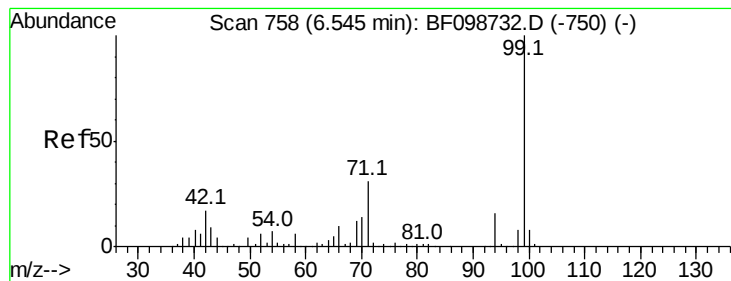


#5

2-Fluorophenol
 Concen: 4.813 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:112 Resp: 38463
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.9 71.9
 63 41.4 23.7 35.5#





#7

Phenol-d6

Concen: 3.048 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

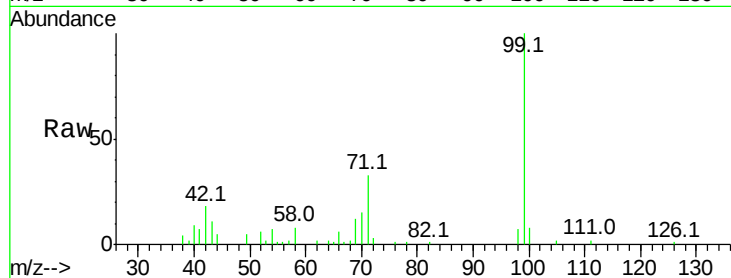
Tot Ion: 99 Resp: 30049

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

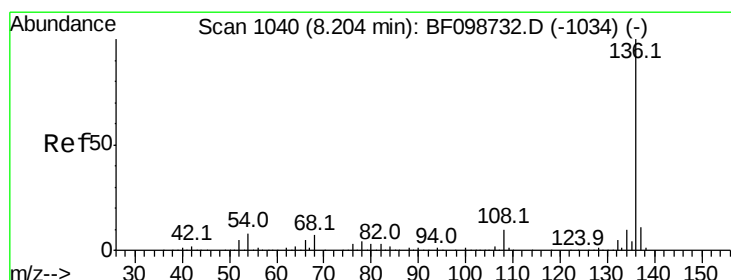
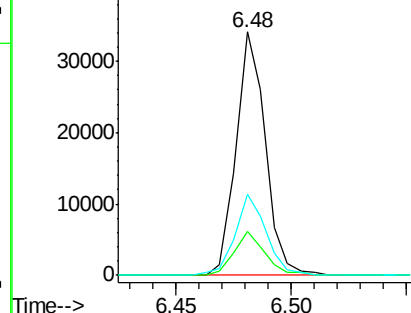
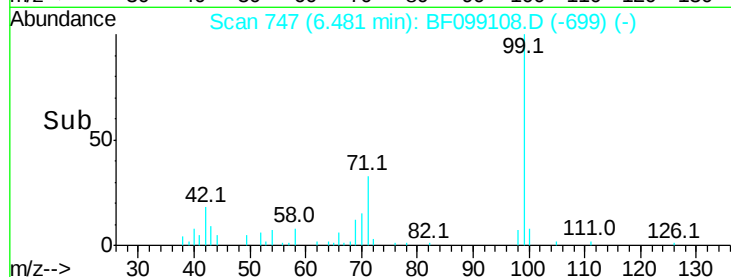
71 33.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Tgt Ion: 136 Resp: 469866

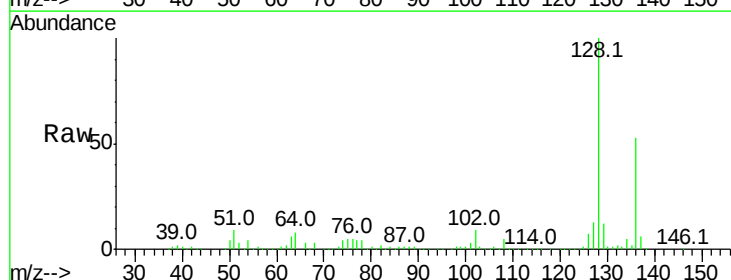
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.2 5.0 7.4

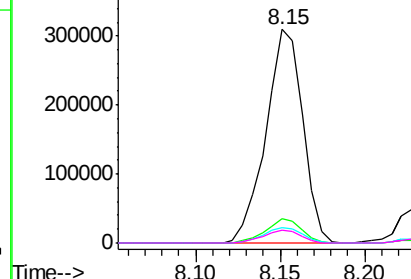
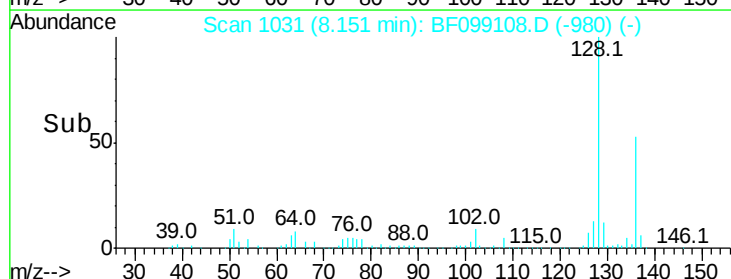


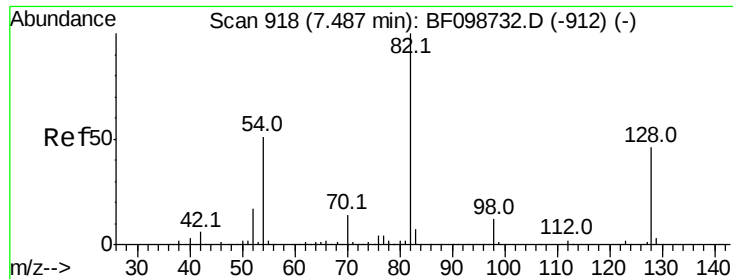
Abundance Ion 136.00 (135.70 to 136.70): E

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

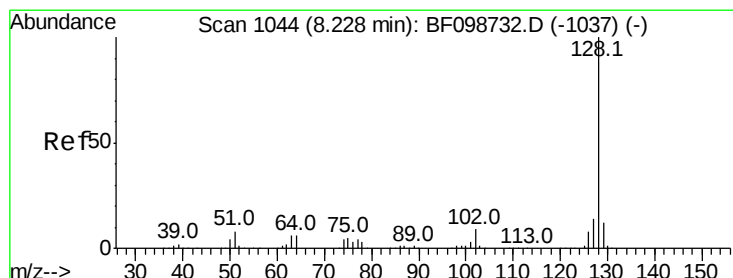
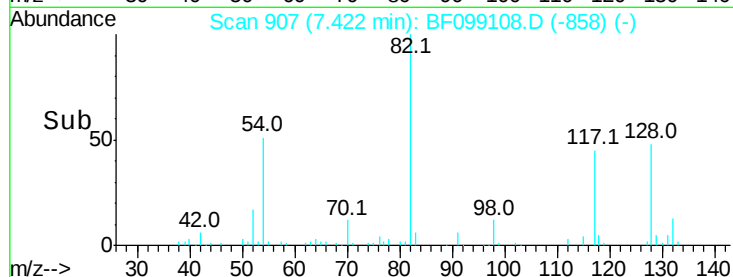
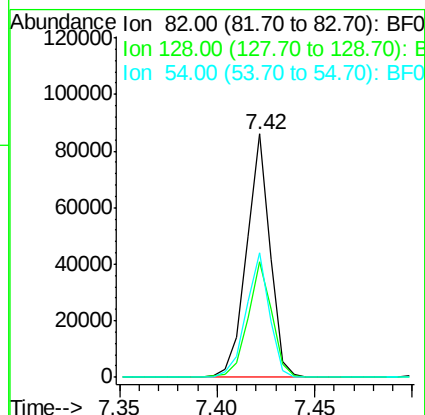
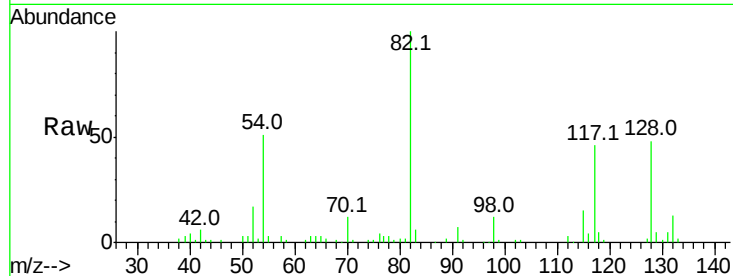




#23
 Nitrobenzene-d5
 Concen: 9.744 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

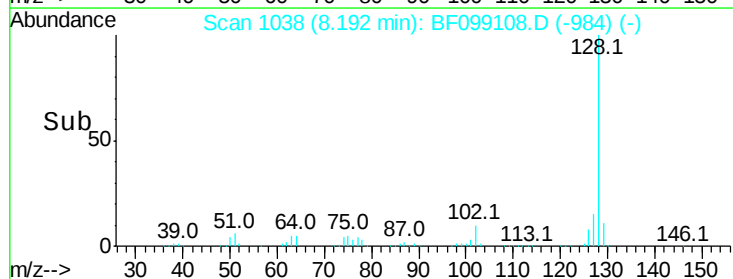
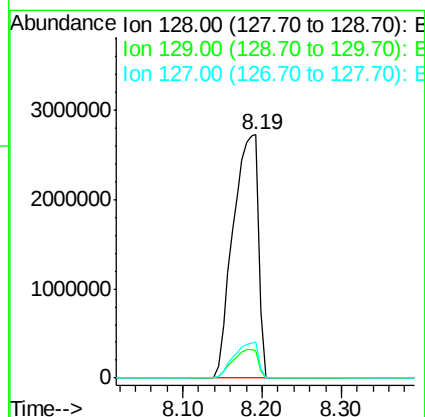
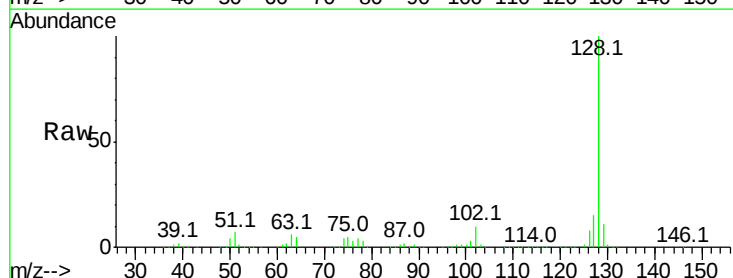
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

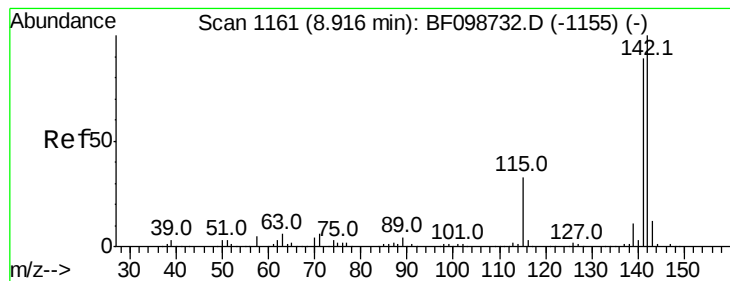
Tot Ion: 82 Resp: 71392
 Ion Ratio Lower Upper
 82 100
 128 47.6 36.1 54.1
 54 51.2 41.4 62.2



#31
 Naphthalene
 Concen: 271.102 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. 0.02 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:128 Resp: 5982640
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 14.7 10.9 16.3





#37

2-Methylnaphthalene

Concen: 21.249 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

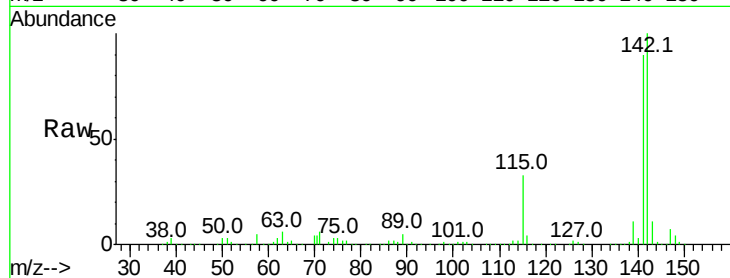
Tot Ion:142 Resp: 304834

Ion Ratio Lower Upper

142 100

141 89.8 70.8 106.2

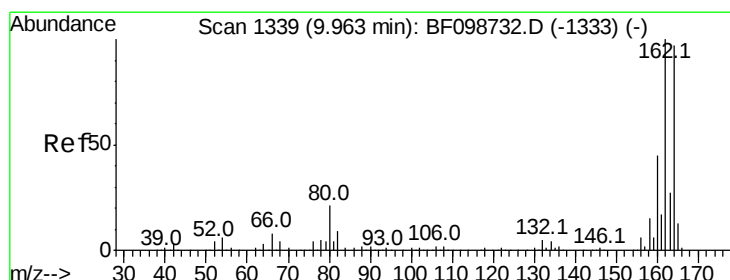
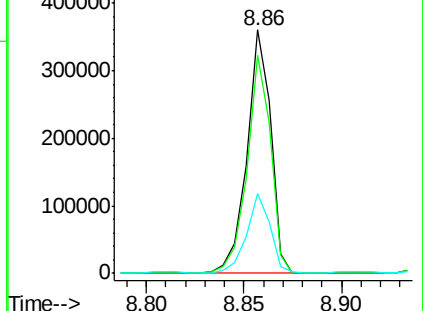
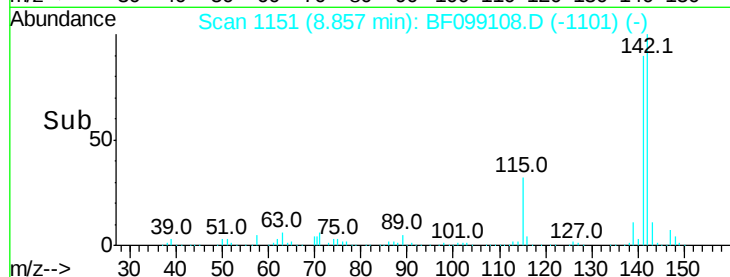
115 32.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

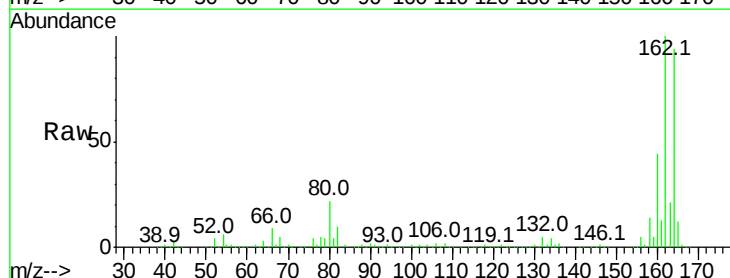
Tgt Ion:164 Resp: 242953

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

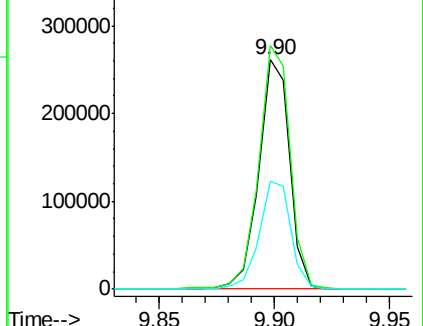
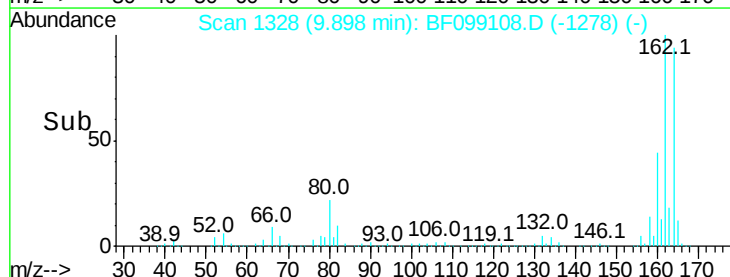
160 47.1 38.3 57.5

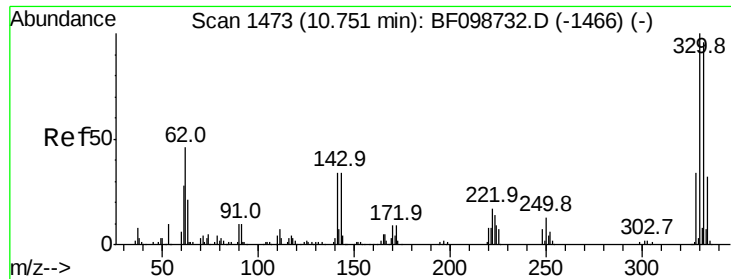


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

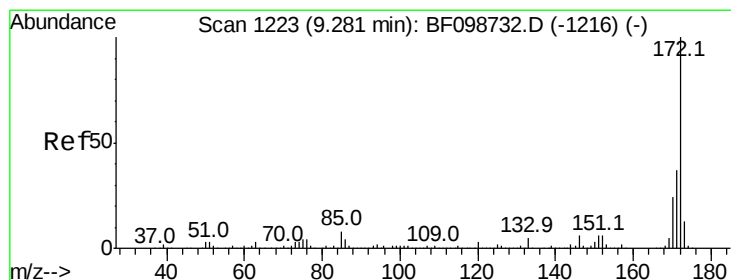
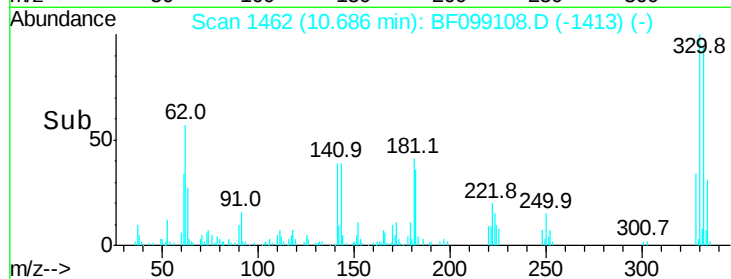
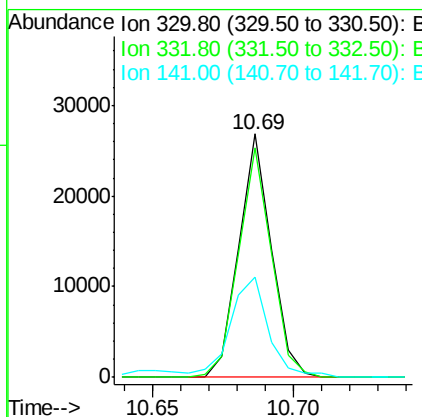
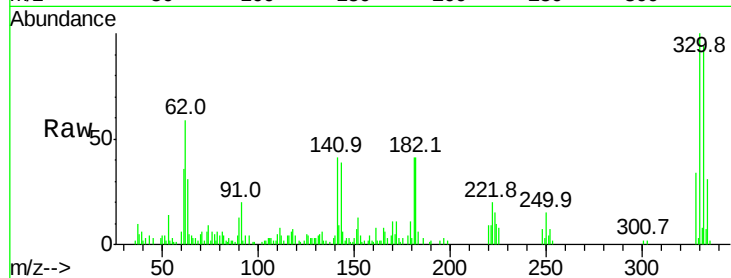




#41
 2,4,6-Tribromophenol
 Concen: 10.813 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

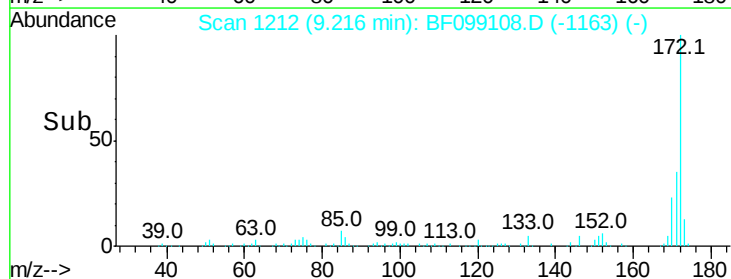
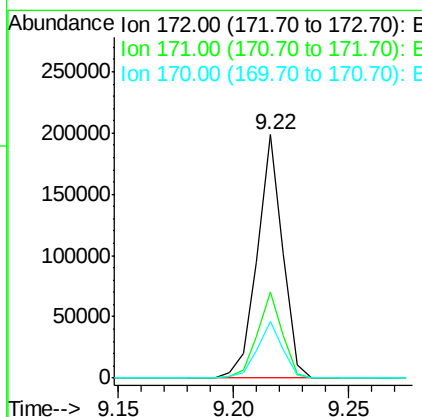
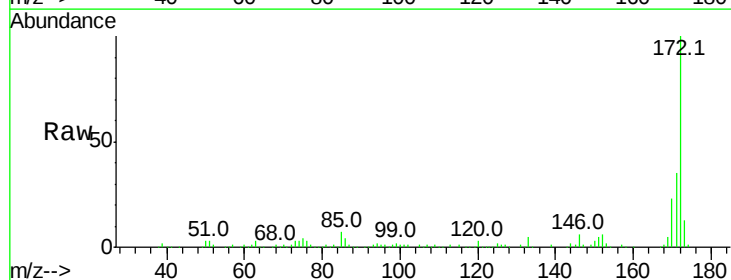
Instrument :
 BNA_F
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 QNWP8-MW30D-GWDL

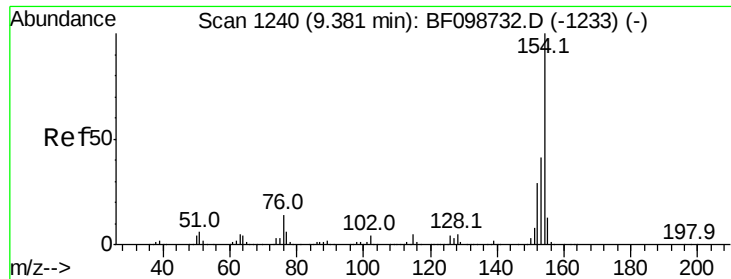
Tot Ion:330 Resp: 21497
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 48.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 10.459 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099108.D
 Acq: 5 Oct 2017 17:30

Tgt Ion:172 Resp: 152208
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.1 19.6 29.4

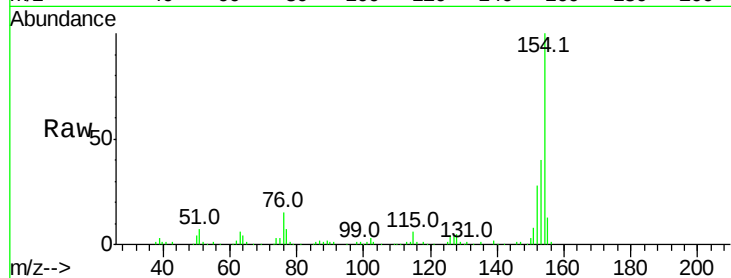




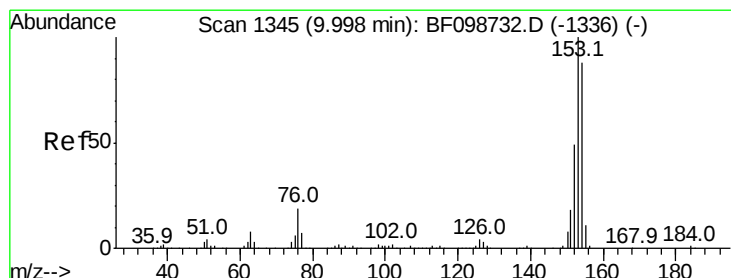
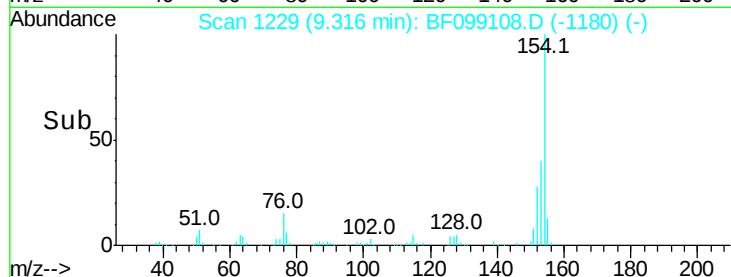
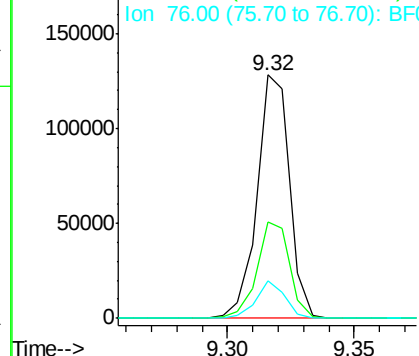
#45
1,1'-Biphenyl
Concen: 5.452 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF099108.D
Acq: 5 Oct 2017 17:30

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tot Ion:154 Resp: 113843
Ion Ratio Lower Upper
154 100
153 39.5 21.3 61.3
76 15.2 0.0 34.0

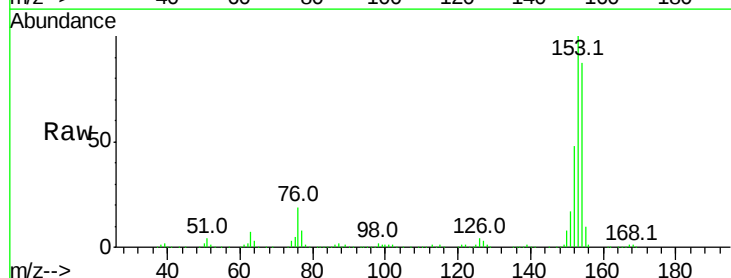


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

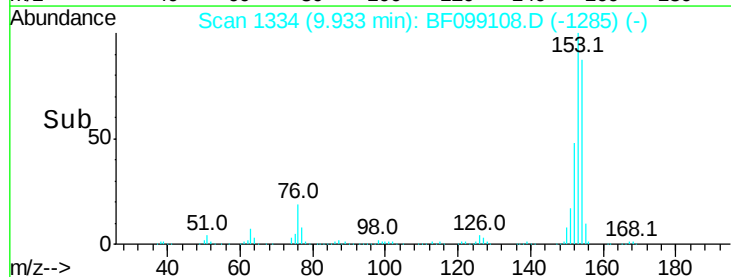
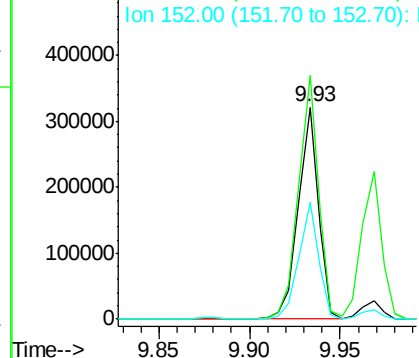


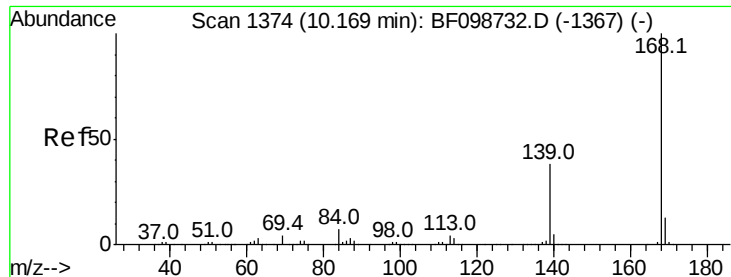
#51
Acenaphthene
Concen: 16.851 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF099108.D
Acq: 5 Oct 2017 17:30

Tgt Ion:154 Resp: 256184
Ion Ratio Lower Upper
154 100
153 114.8 91.2 136.8
152 54.9 43.8 65.8



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: 12.846 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

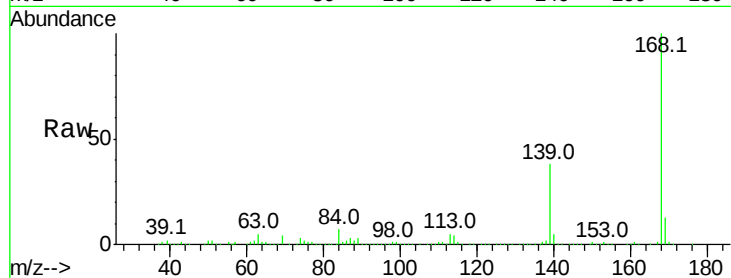
Tot Ion:168 Resp: 260029

Ion Ratio Lower Upper

168 100

139 38.1 30.1 45.1

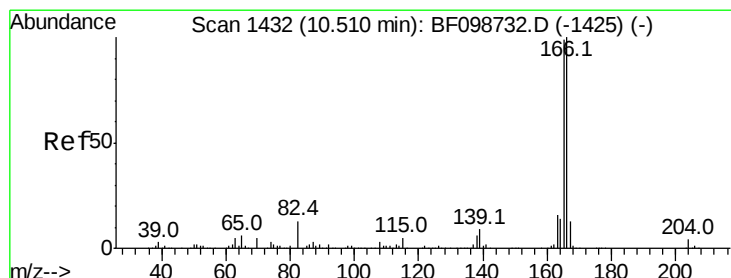
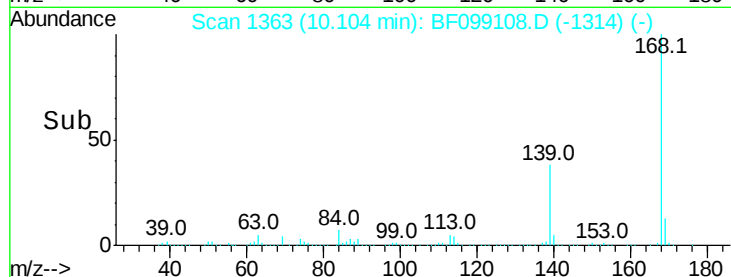
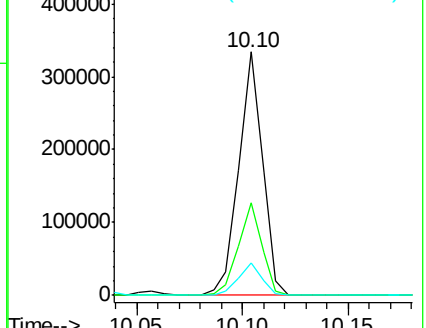
169 13.4 10.9 16.3



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: 6.725 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

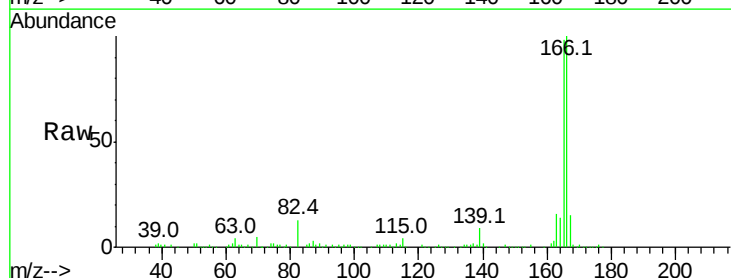
Tgt Ion:166 Resp: 109408

Ion Ratio Lower Upper

166 100

165 98.0 79.8 119.8

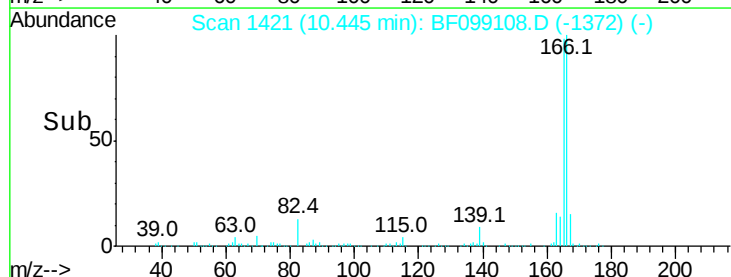
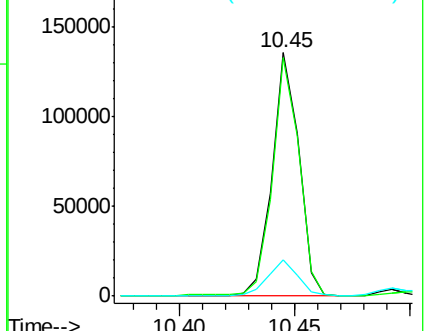
167 14.9 10.6 16.0

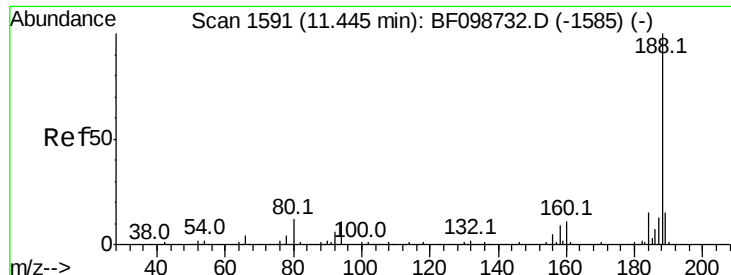


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

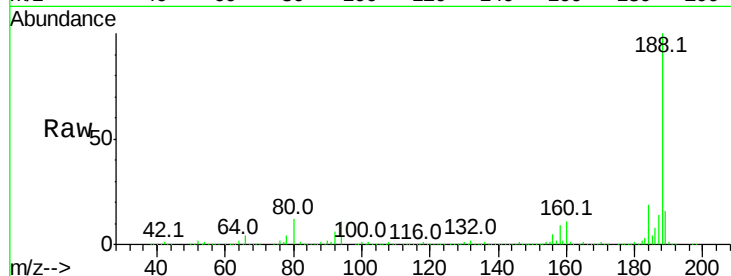
Tot Ion:188 Resp: 422602

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

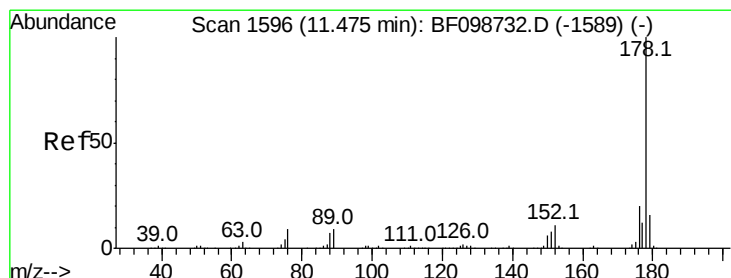
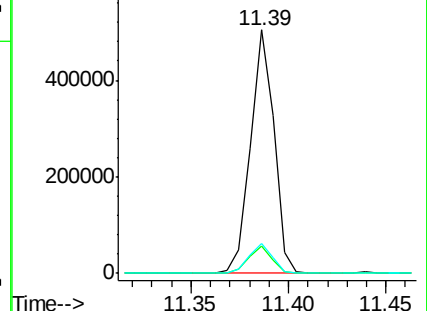
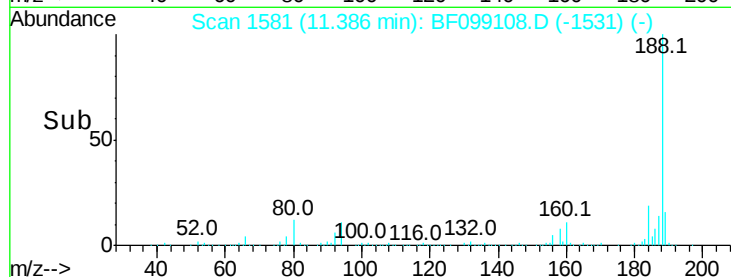
80 12.2 9.2 13.8



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



#70

Phenanthrene

Concen: 5.658 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

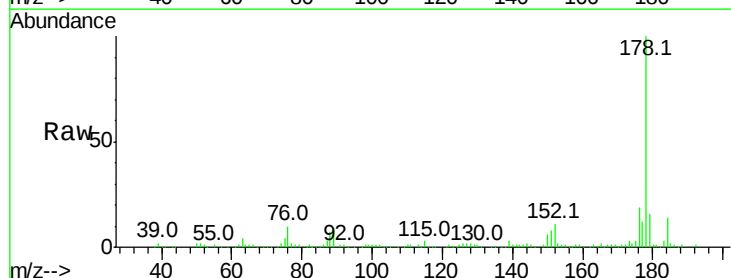
Tgt Ion:178 Resp: 127979

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

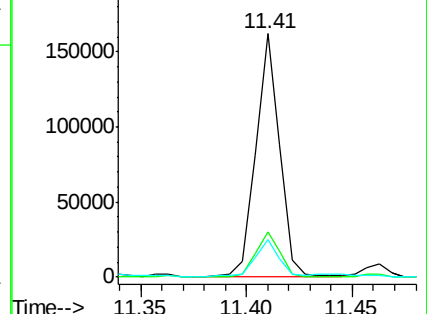
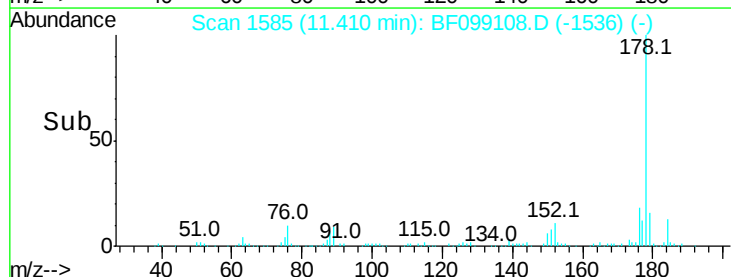
179 15.5 13.0 19.6

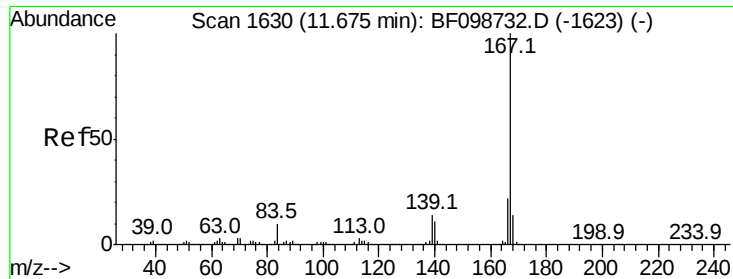


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.708 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

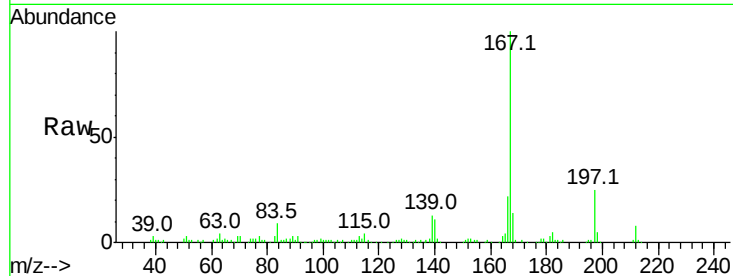
Tot Ion:167 Resp: 106702

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

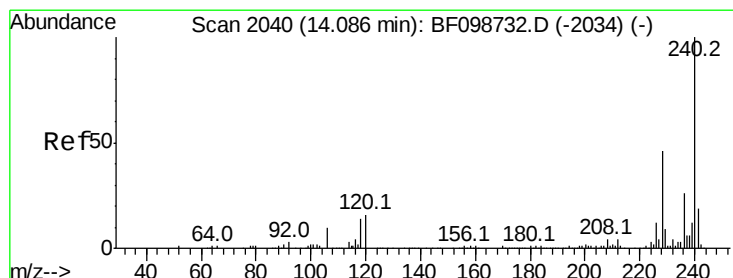
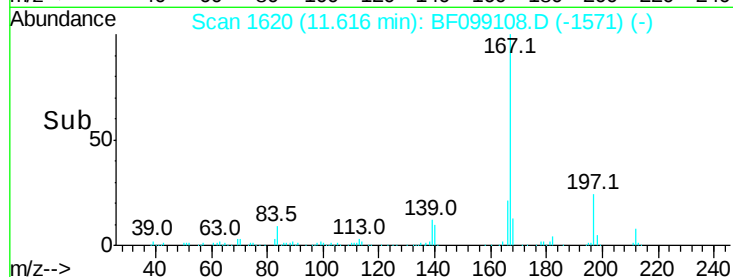
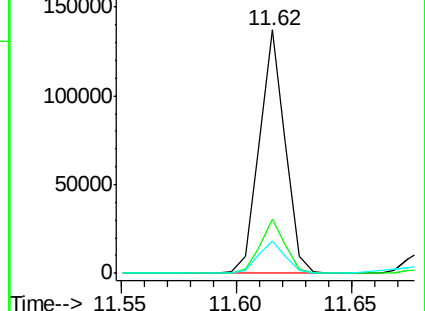
139 13.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

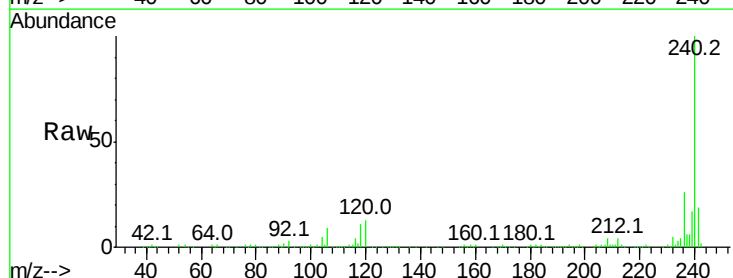
Tgt Ion:240 Resp: 300994

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

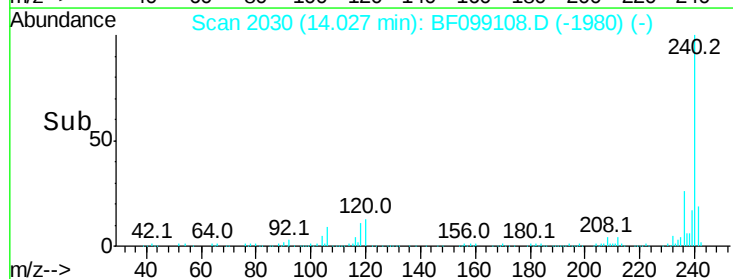
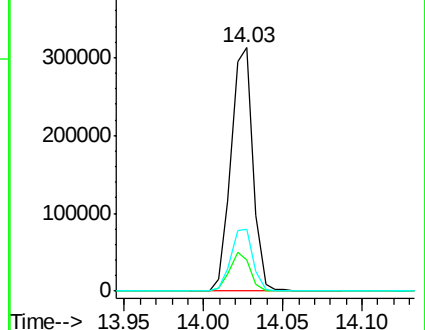
236 25.5 20.7 31.1

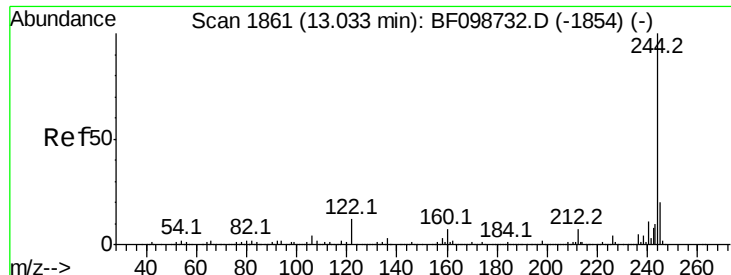


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 9.412 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30D-GWDL

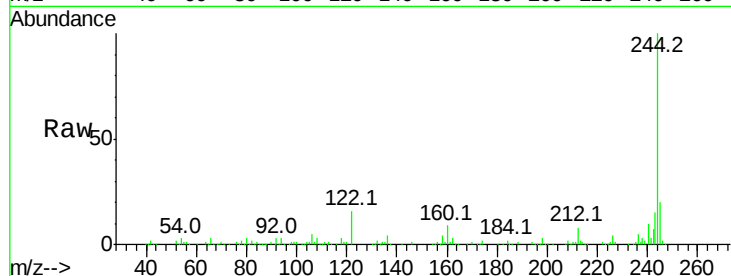
Tot Ion:244 Resp: 124566

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

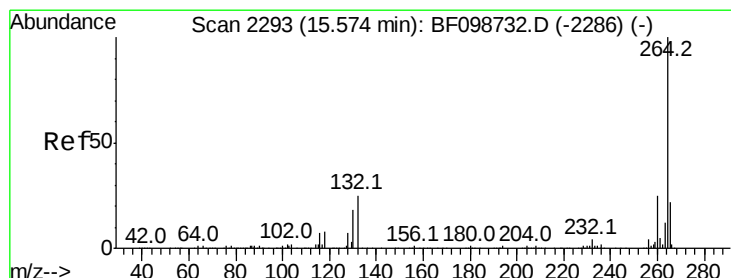
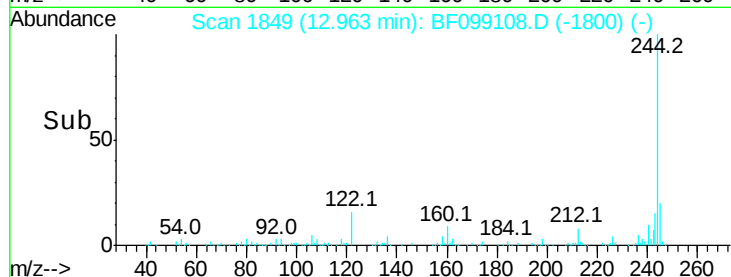
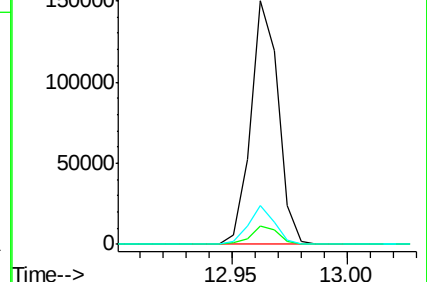
122 16.2 11.0 16.4



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: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099108.D

Acq: 5 Oct 2017 17:30

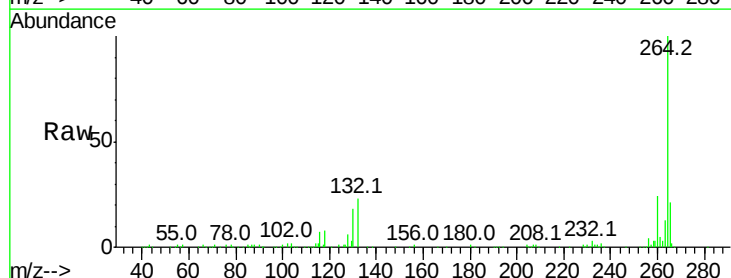
Tgt Ion:264 Resp: 214947

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.0 17.5 26.3



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

