

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099076.D
 Acq On : 4 Oct 2017 19:36
 Operator : SJ/JU
 Sample : I5526-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Oct 05 12:43:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	132692	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	554134	20.00	ng	-0.05
38) Acenaphthene-d10	9.90	164	248962	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	424293	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	255343	20.00	ng	-0.06
86) Perylene-d12	15.50	264	227270	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	563695	67.63	ng	-0.06
7) Phenol-d6	6.49	99	448798	43.65	ng	-0.05
23) Nitrobenzene-d5	7.43	82	779621	90.23	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	236530	116.11	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1353413	90.75	ng	-0.06
78) Terphenyl-d14	12.97	244	1047168	93.27	ng	-0.06

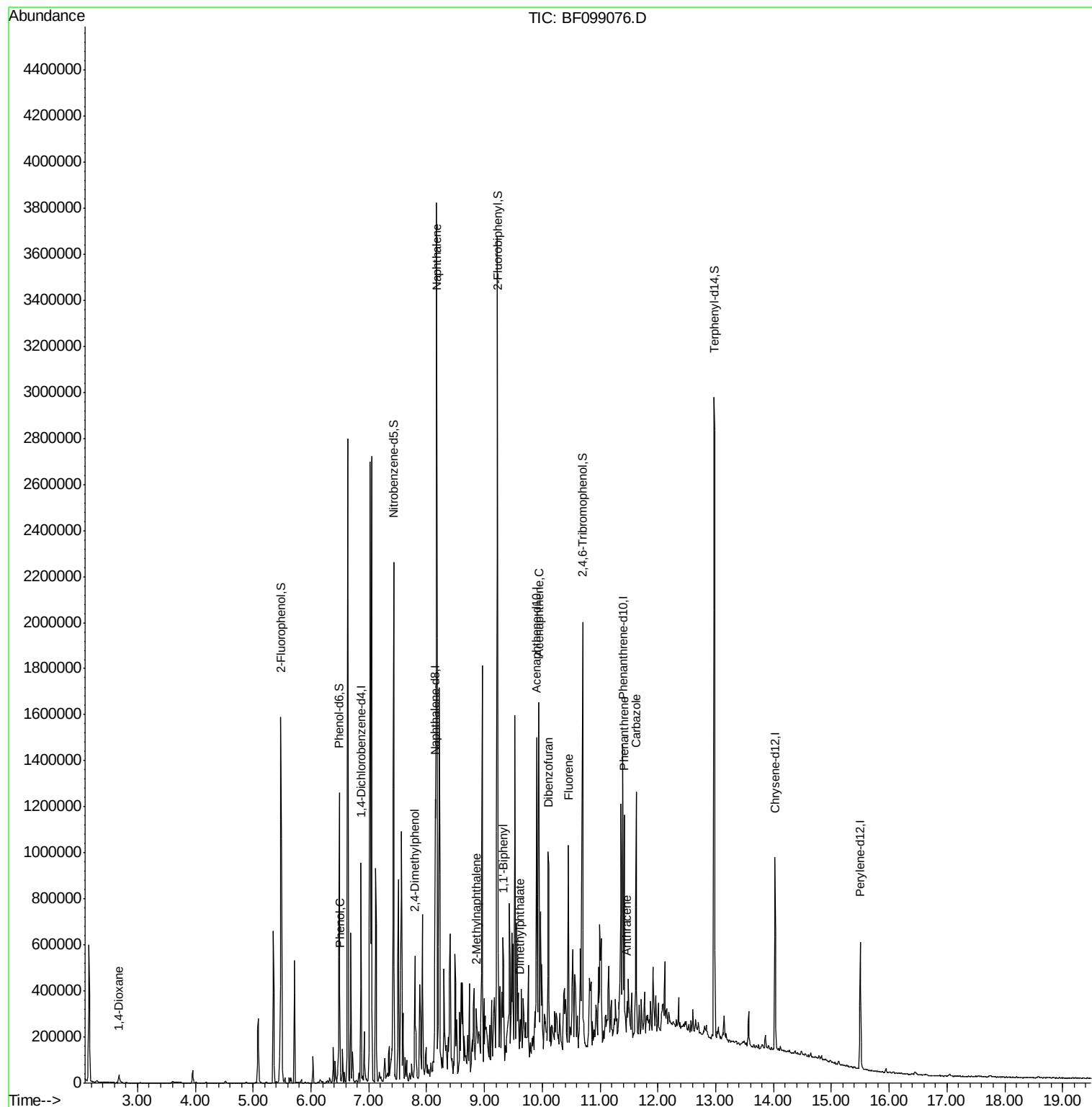
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.67	88	17967	4.512	ng	# 95
10) Phenol	6.50	94	39096	3.400	ng	94
27) 2,4-Dimethylphenol	7.80	122	97918	11.000	ng	98
31) Naphthalene	8.17	128	1954596	75.103	ng	99
37) 2-Methylnaphthalene	8.86	142	45443	2.686	ng	95
45) 1,1'-Biphenyl	9.32	154	110207	5.151	ng	98
49) Dimethylphthalate	9.62	163	38642	2.056	ng	97
51) Acenaphthene	9.94	154	339952	21.822	ng	99
54) Dibenzofuran	10.11	168	322841	15.564	ng	97
57) Fluorene	10.45	166	222647	13.355	ng	98
70) Phenanthrene	11.42	178	313927	13.823	ng	98
71) Anthracene	11.46	178	49600	2.134	ng	98
72) Carbazole	11.62	167	312962	13.753	ng	99

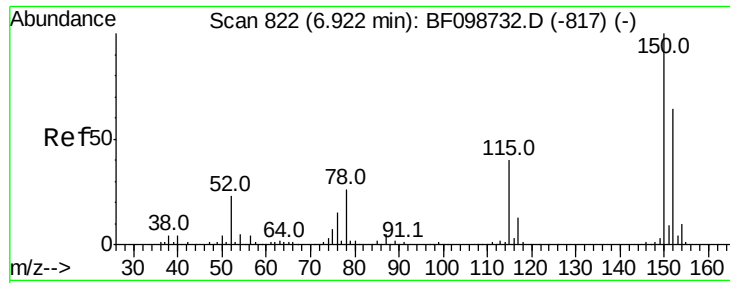
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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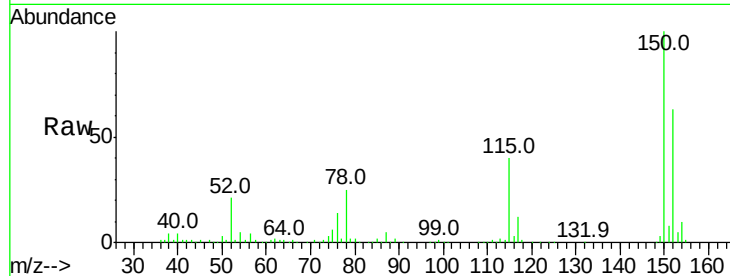


#1

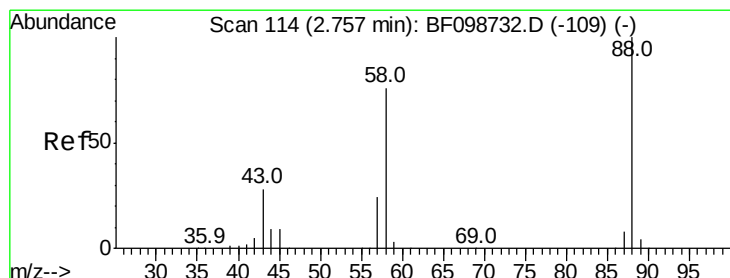
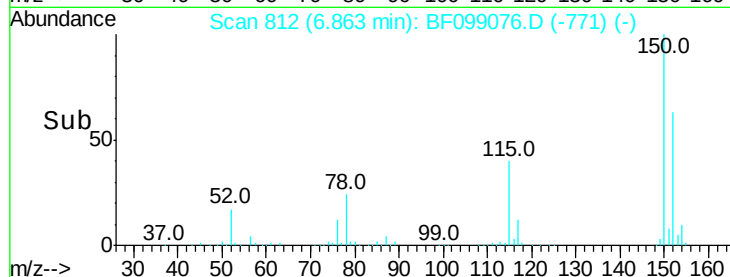
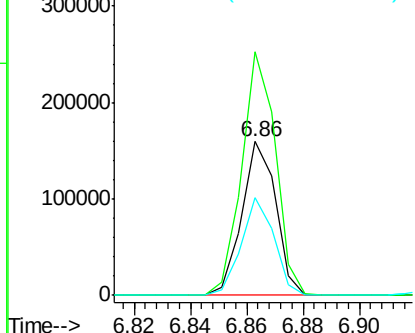
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:152 Resp: 132692
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 63.4 50.1 75.1



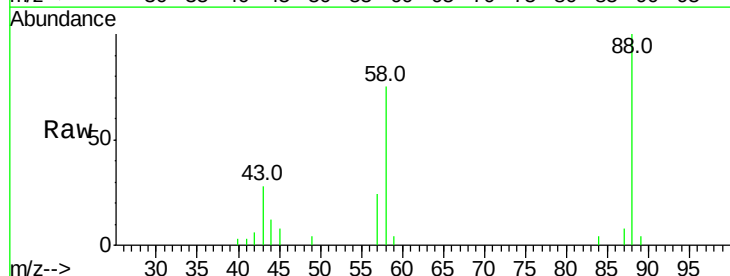
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



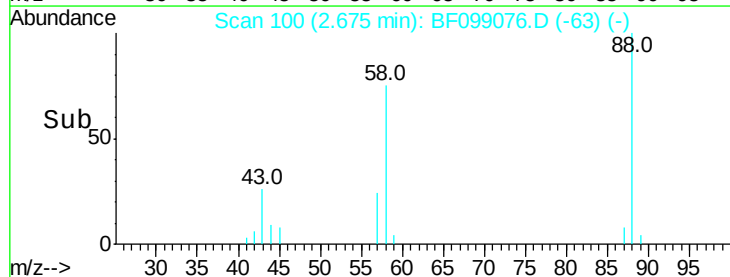
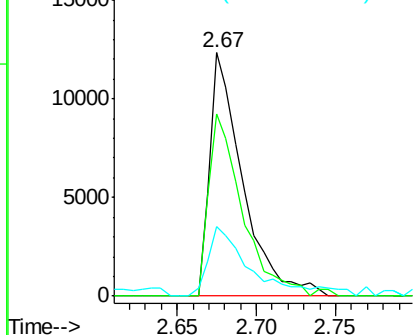
#2

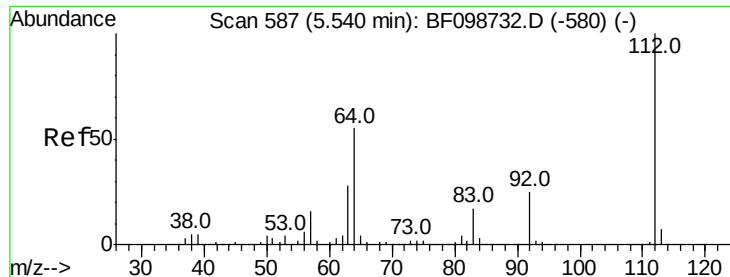
1,4-Dioxane
Concen: 4.512 ng
RT: 2.67 min Scan# 100
Delta R.T. -0.08 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Tgt Ion: 88 Resp: 17967
Ion Ratio Lower Upper
88 100
58 76.2 62.6 93.8
43 37.6 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 67.626 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

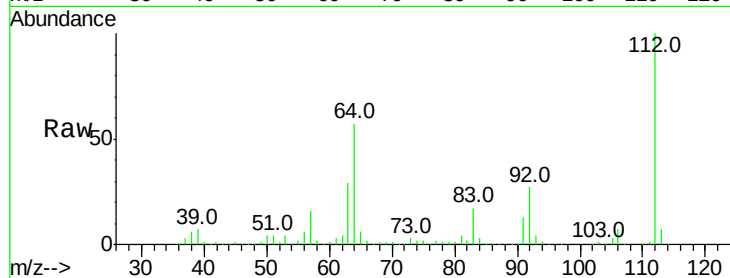
Tot Ion:112 Resp: 563695

Ion Ratio Lower Upper

112 100

64 57.4 47.9 71.9

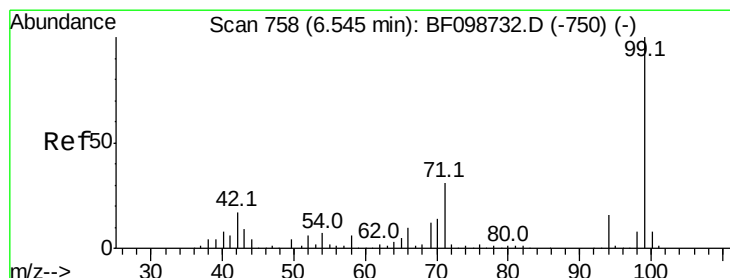
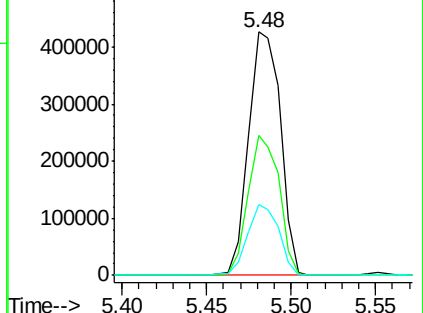
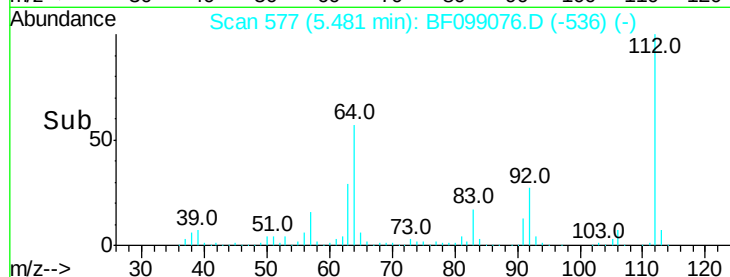
63 29.3 23.7 35.5



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: 43.646 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

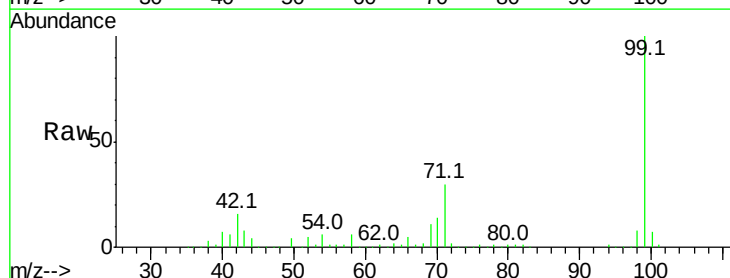
Tgt Ion: 99 Resp: 448798

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

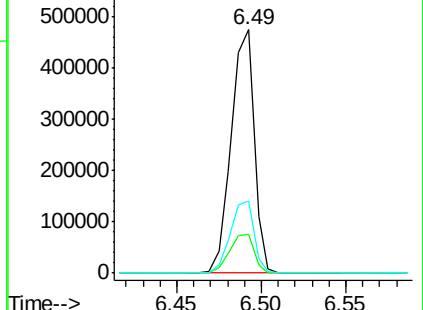
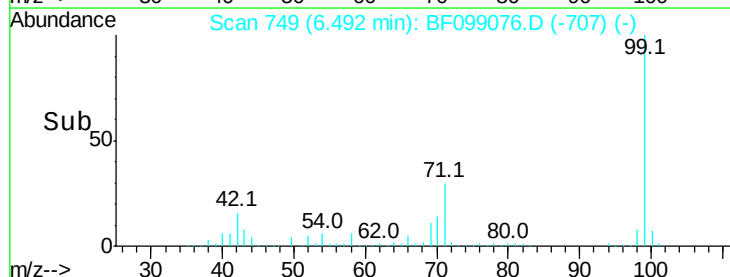
71 29.6 25.4 38.0

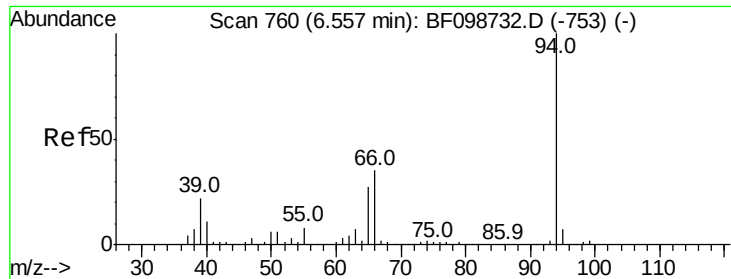


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

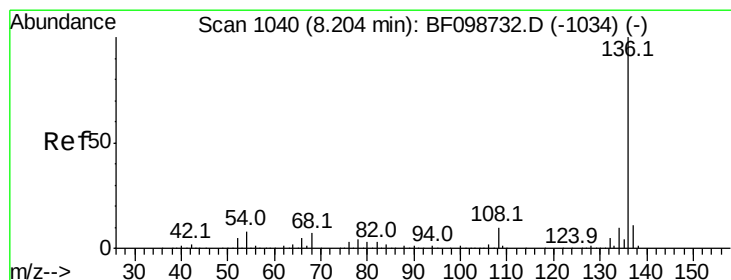
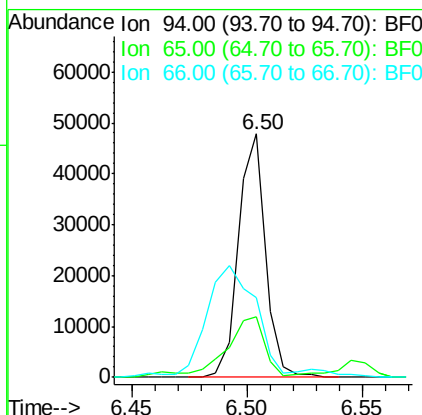
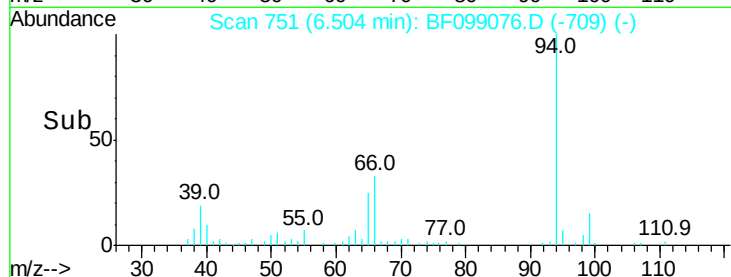
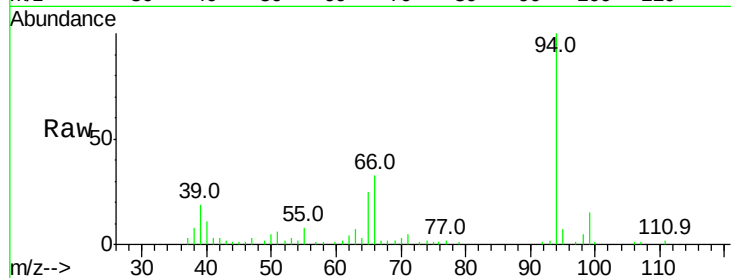




#10
Phenol
Concen: 3.400 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.05 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

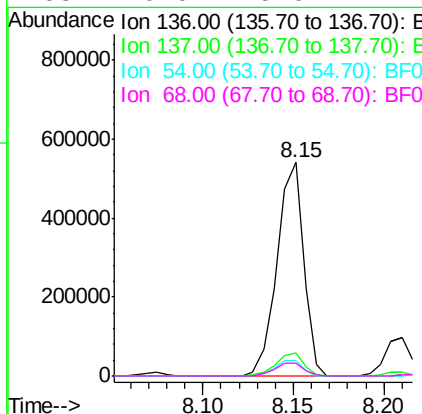
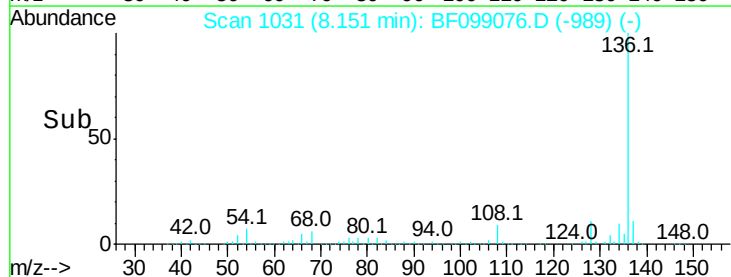
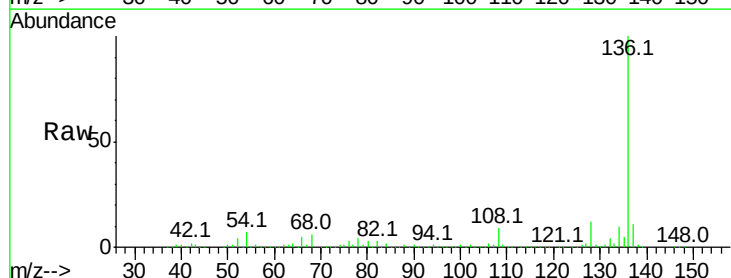
Instrument :
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ClientSampleId :
QNWP8-MW27S-GW

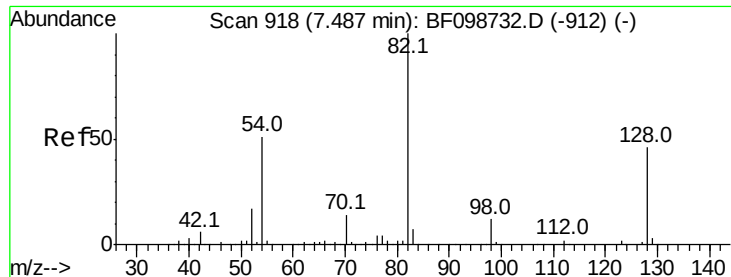
Tot Ion: 94 Resp: 39096
Ion Ratio Lower Upper
94 100
65 25.1 7.9 47.9
66 32.7 16.2 56.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Tgt Ion: 136 Resp: 554134
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.1 6.6 9.8
68 6.0 5.0 7.4

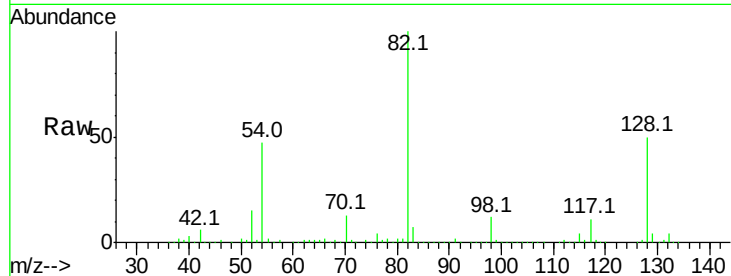




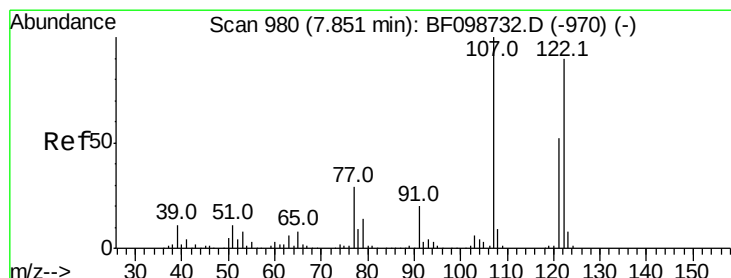
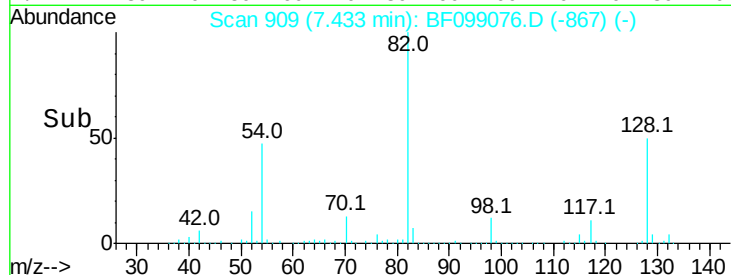
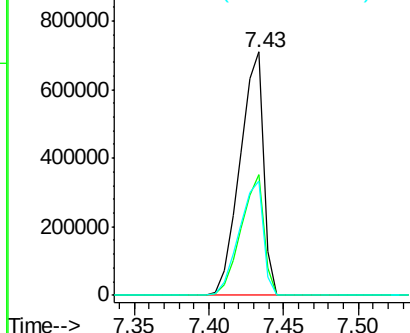
#23
Nitrobenzene-d5
Concen: 90.226 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion: 82 Resp: 779621
Ion Ratio Lower Upper
82 100
128 49.8 36.1 54.1
54 46.9 41.4 62.2

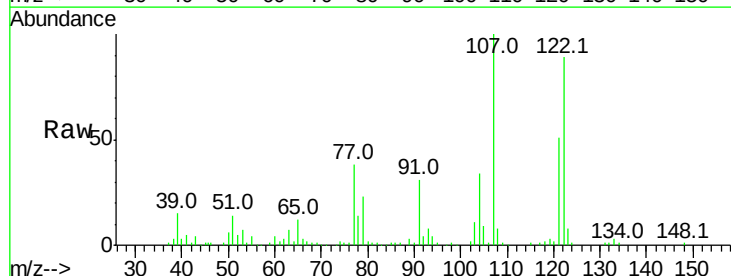


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

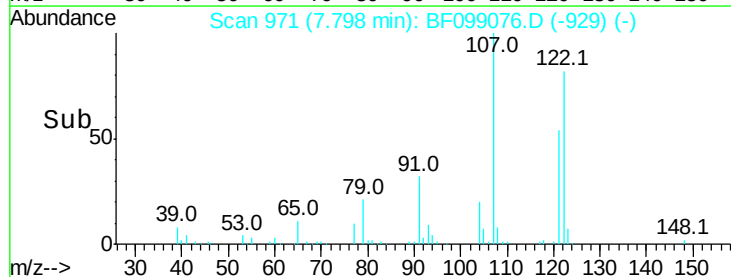
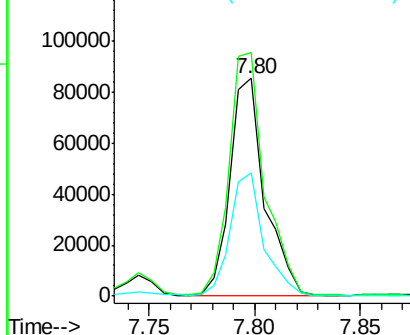


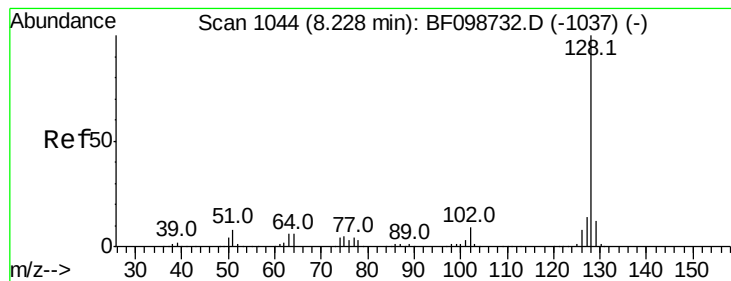
#27
2,4-Dimethylphenol
Concen: 11.000 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.05 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Tgt Ion:122 Resp: 97918
Ion Ratio Lower Upper
122 100
107 111.8 91.2 136.8
121 56.6 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 75.103 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

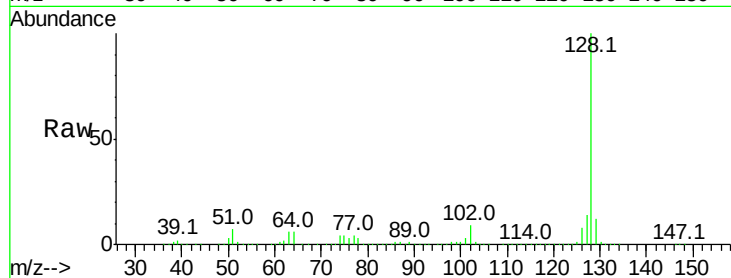
Tot Ion:128 Resp: 1954596

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

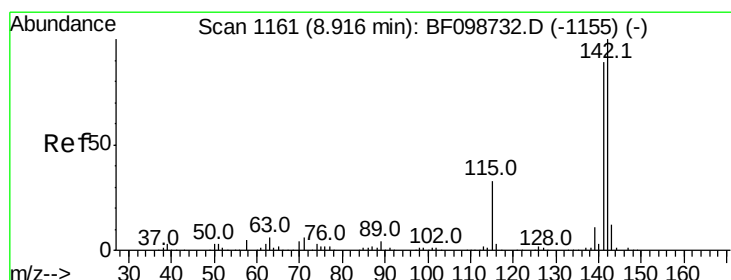
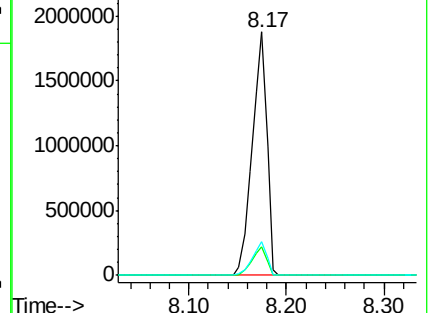
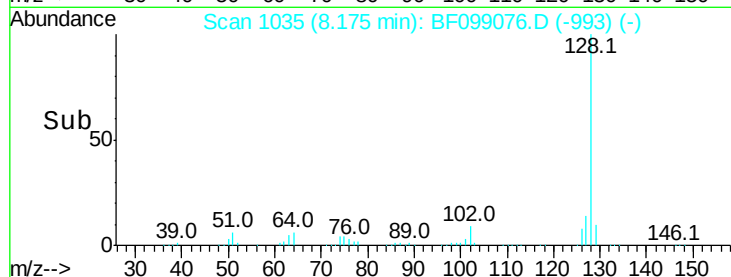
127 13.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.686 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

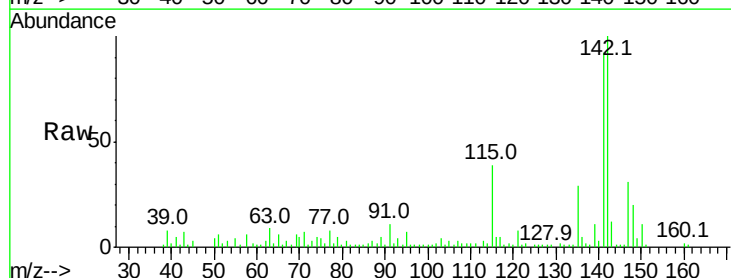
Tgt Ion:142 Resp: 45443

Ion Ratio Lower Upper

142 100

141 91.7 70.8 106.2

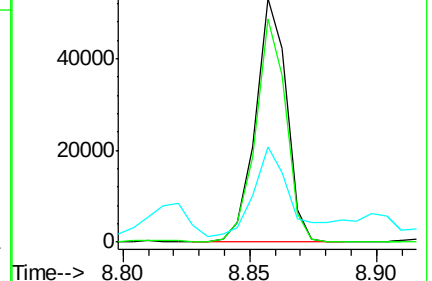
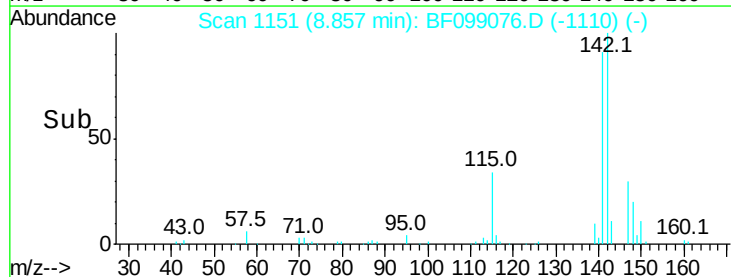
115 38.9 26.1 39.1

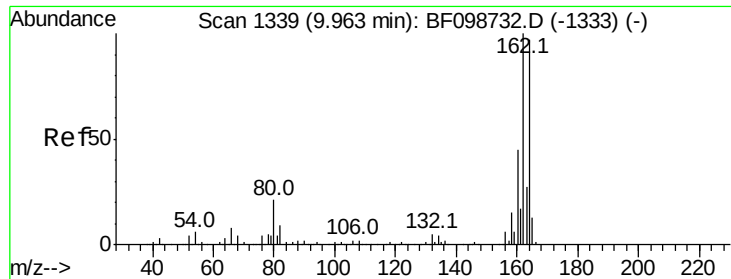


Abundance Ion 142.00 (141.70 to 142.70): E

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# 1329

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

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QNWP8-MW27S-GW

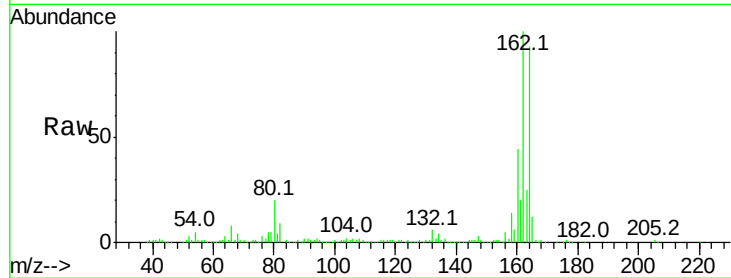
Tot Ion:164 Resp: 248962

Ion Ratio Lower Upper

164 100

162 107.0 86.1 129.1

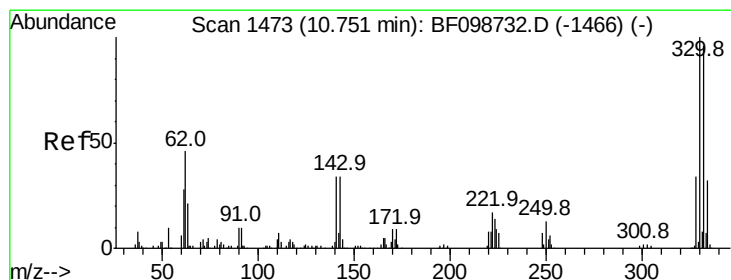
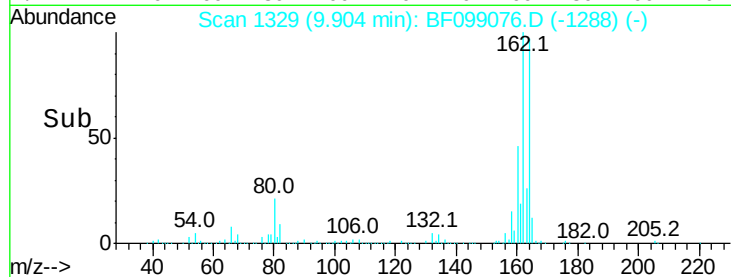
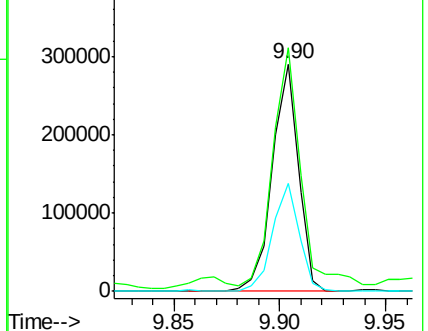
160 47.6 38.3 57.5



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: 116.106 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

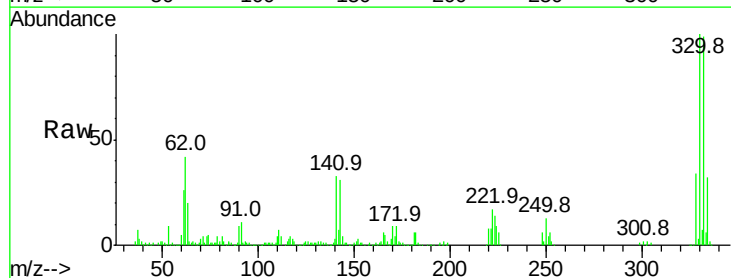
Tgt Ion:330 Resp: 236530

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

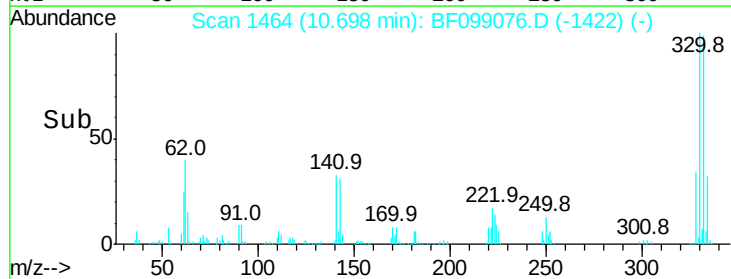
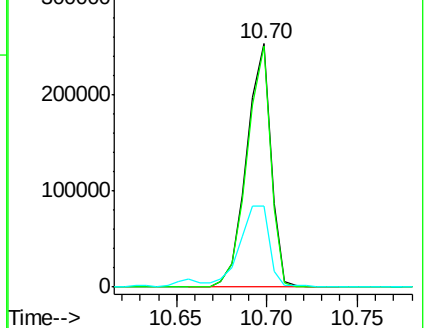
141 39.3 29.9 44.9

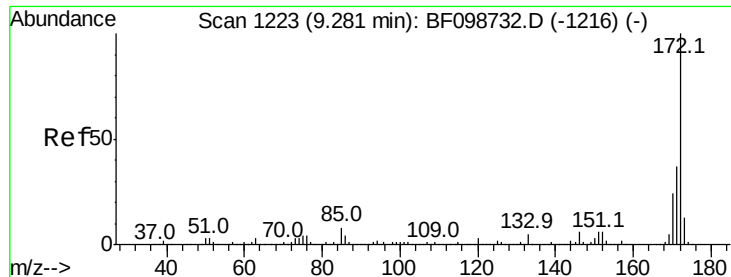


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.753 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

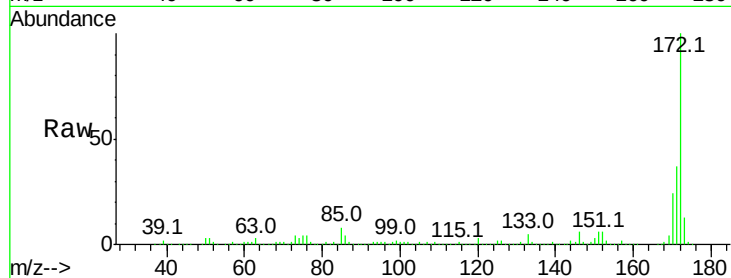
BNA_F

ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:172 Resp: 1353413

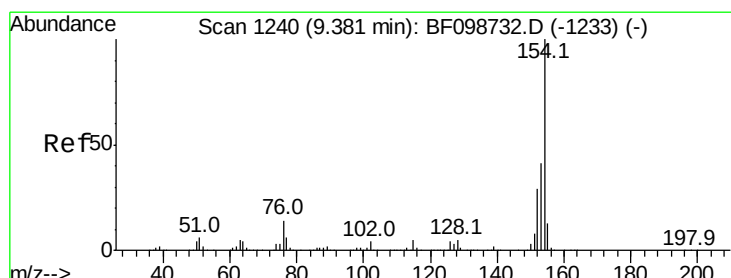
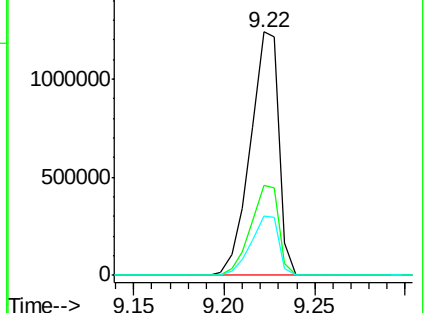
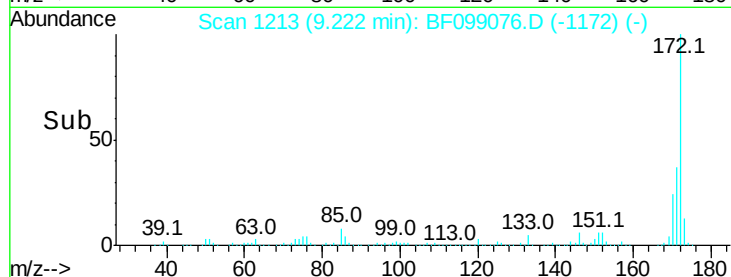
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.2	19.6	29.4



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



#45

1,1'-Biphenyl

Concen: 5.151 ng

RT: 9.32 min Scan# 1230

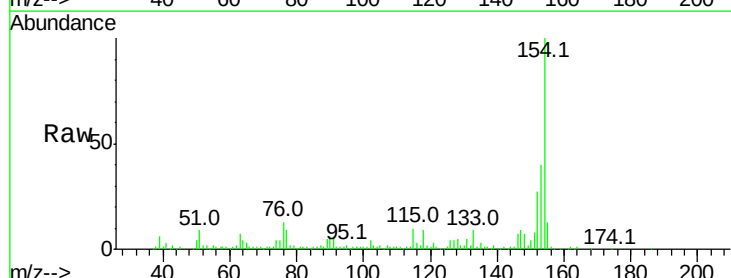
Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Tgt Ion:154 Resp: 110207

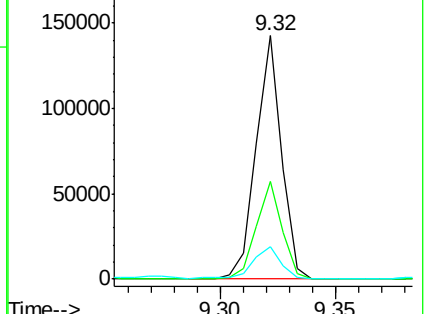
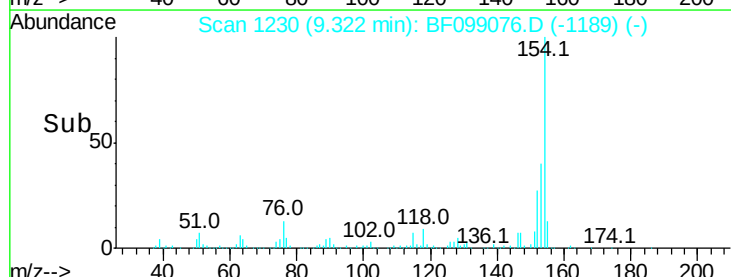
Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.3	61.3
76	13.5	0.0	34.0

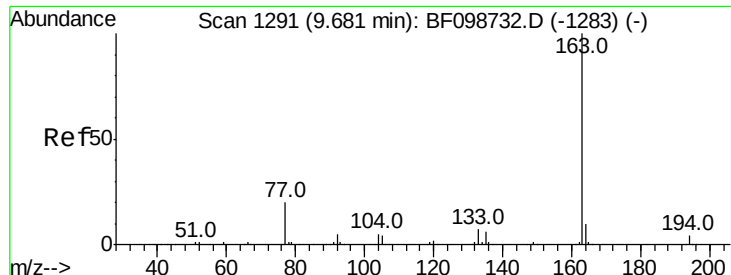


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

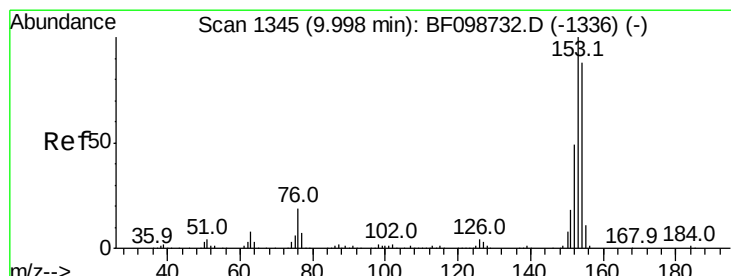
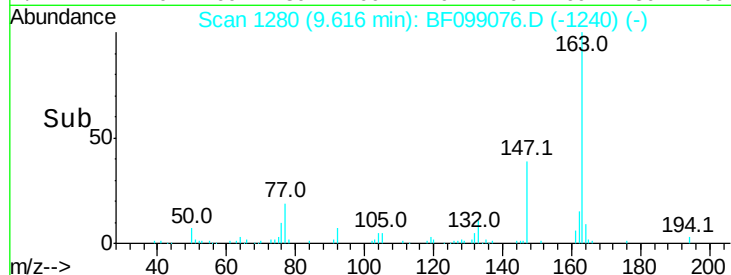
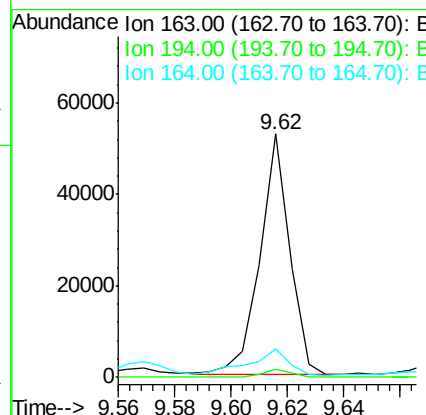
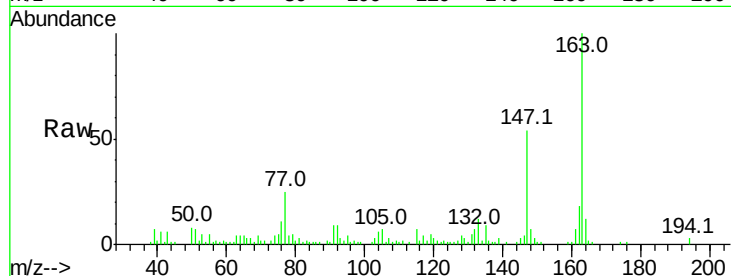




#49
Dimethylphthalate
Concen: 2.056 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.06 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

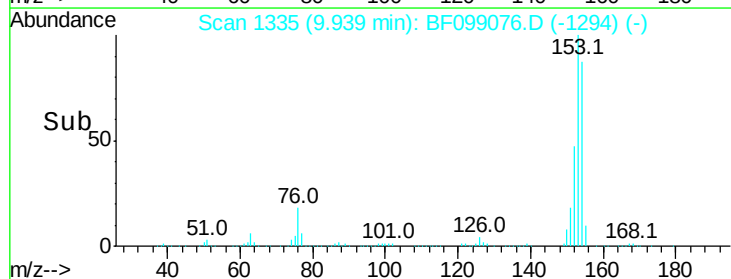
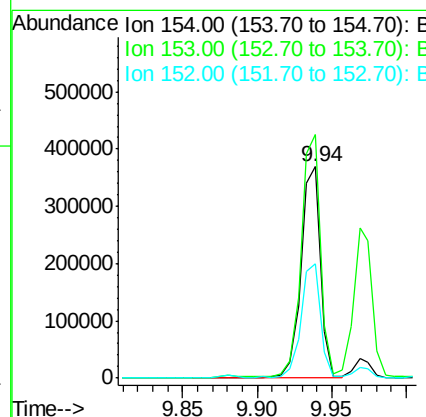
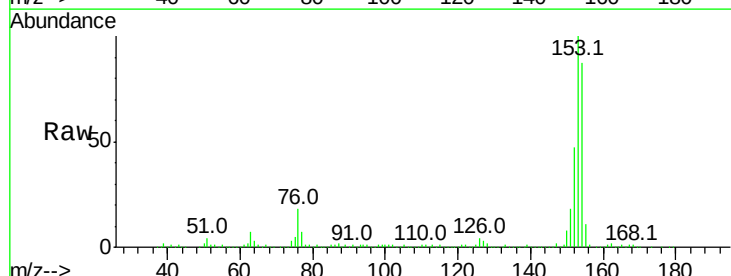
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

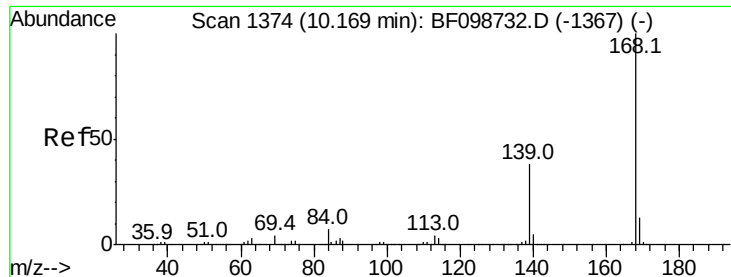
Tot Ion:163 Resp: 38642
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 11.6 8.2 12.2



#51
Acenaphthene
Concen: 21.822 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.06 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Tgt Ion:154 Resp: 339952
Ion Ratio Lower Upper
154 100
153 115.4 91.2 136.8
152 54.3 43.8 65.8





#54

Dibenzenofuran

Concen: 15.564 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

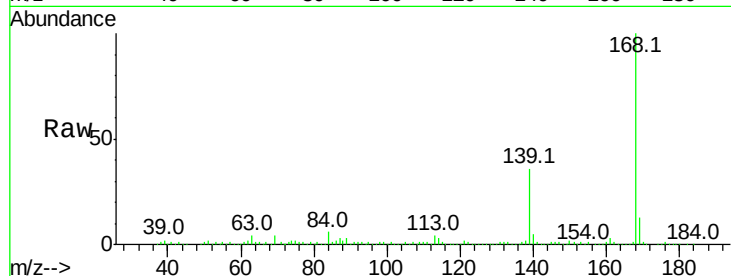
Tot Ion:168 Resp: 322841

Ion Ratio Lower Upper

168 100

139 35.9 30.1 45.1

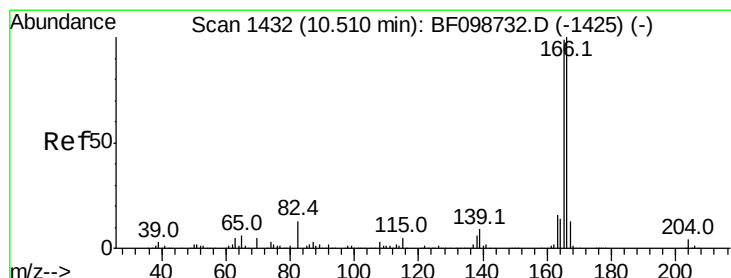
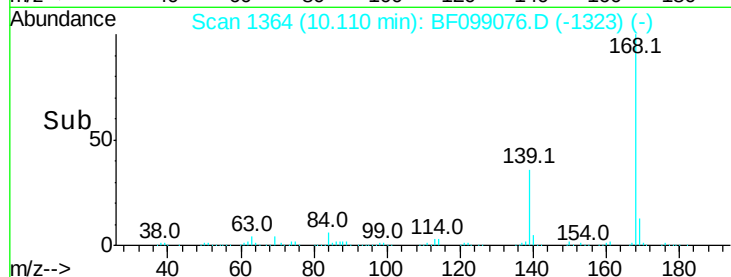
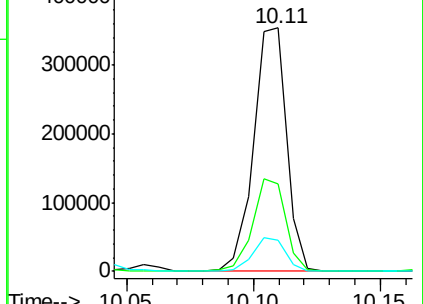
169 12.7 10.9 16.3



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: 13.355 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

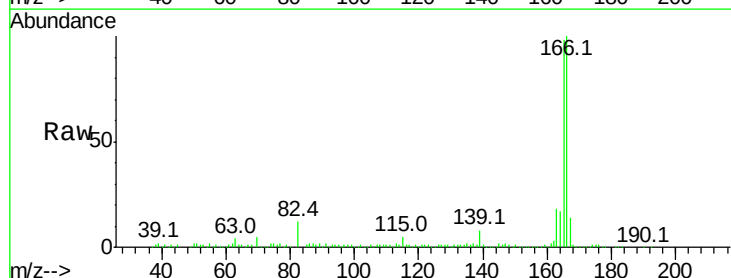
Tgt Ion:166 Resp: 222647

Ion Ratio Lower Upper

166 100

165 97.8 79.8 119.8

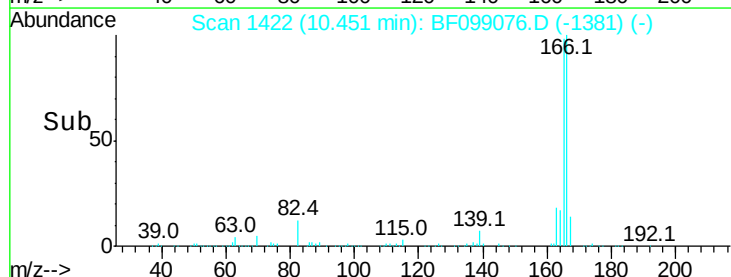
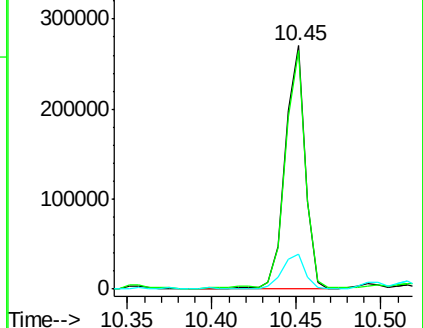
167 14.4 10.6 16.0

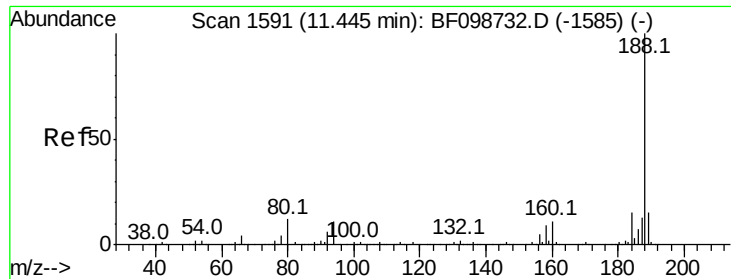


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

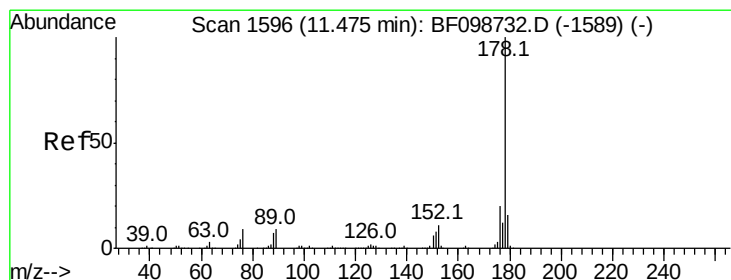
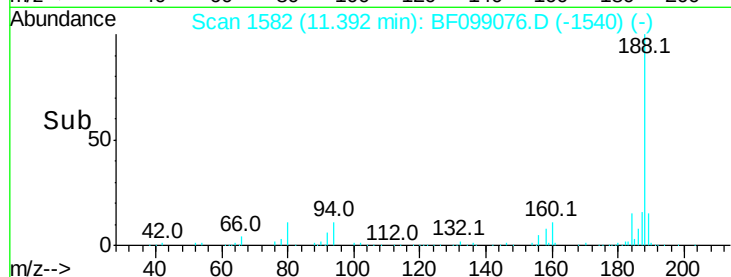
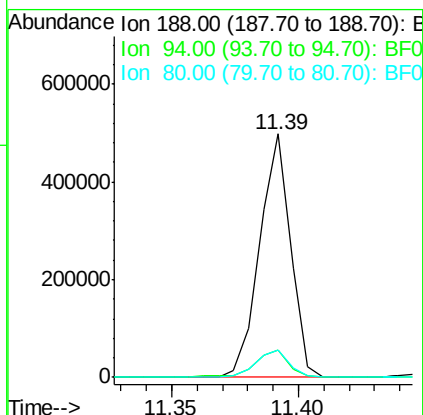
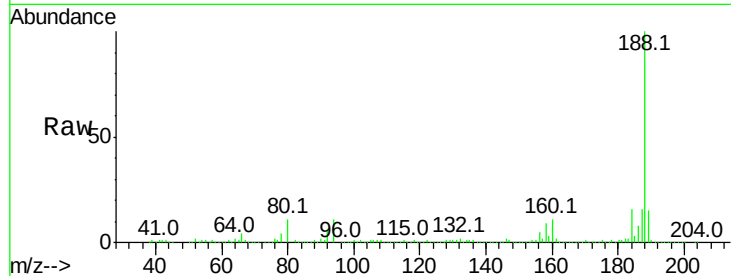




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

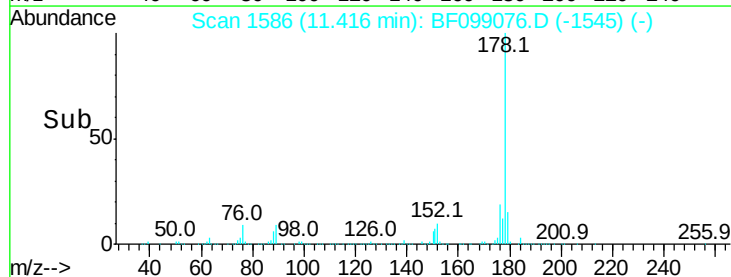
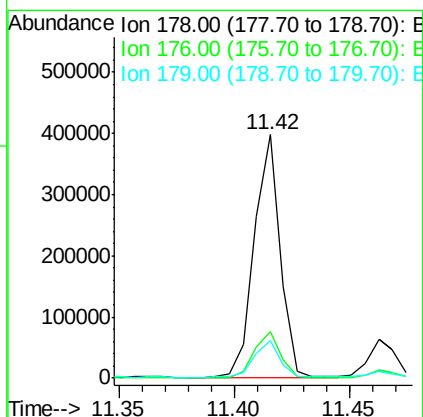
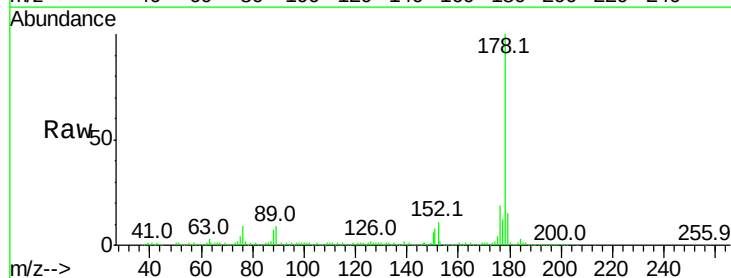
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

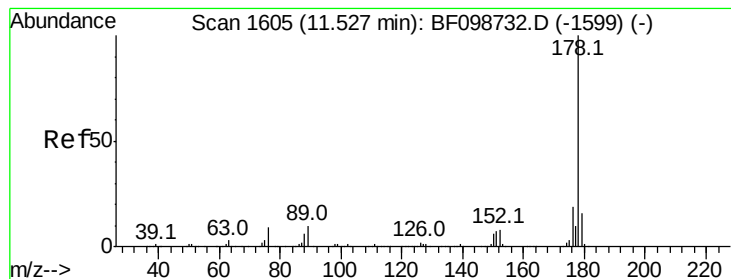
Tot Ion:188 Resp: 424293
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 13.823 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099076.D
Acq: 4 Oct 2017 19:36

Tgt Ion:178 Resp: 313927
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.4 13.0 19.6





#71

Anthracene

Concen: 2.134 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

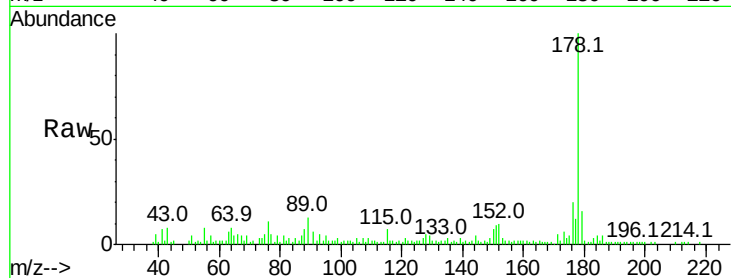
Tot Ion:178 Resp: 49600

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

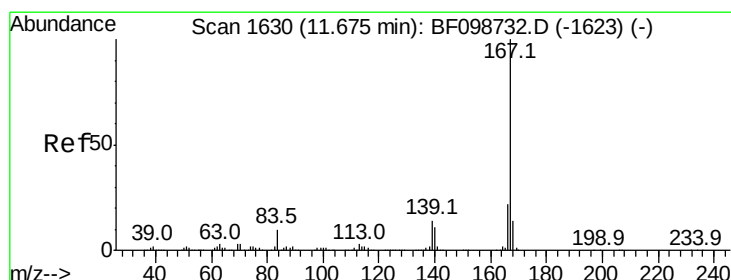
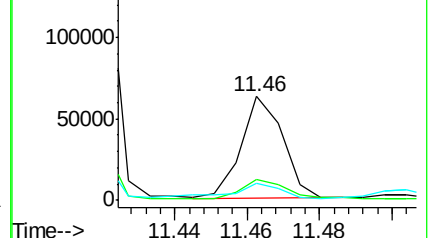
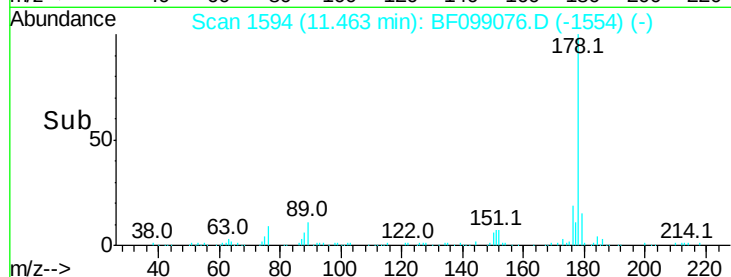
179 16.1 12.6 19.0



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



#72

Carbazole

Concen: 13.753 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.05 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

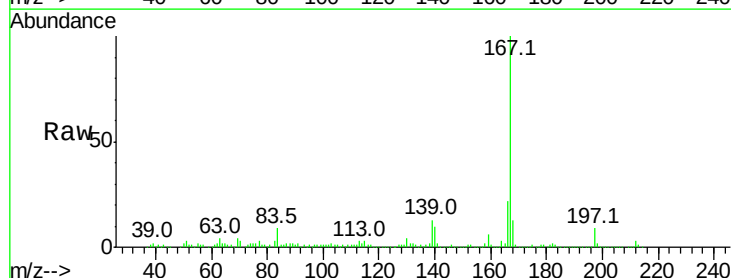
Tgt Ion:167 Resp: 312962

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

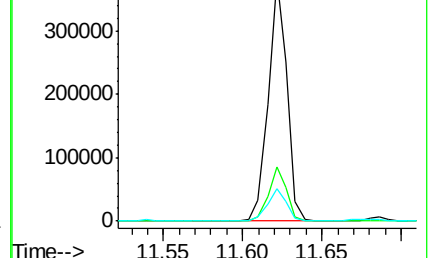
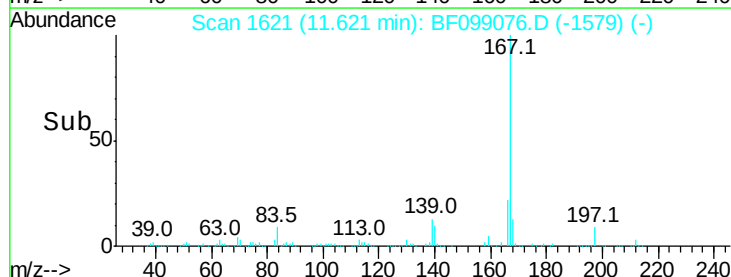
139 13.3 10.9 16.3

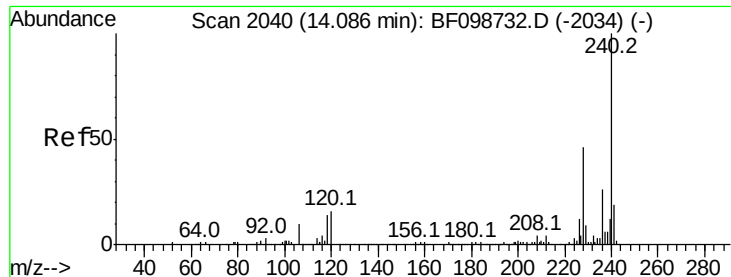


Abundance Ion 167.00 (166.70 to 167.70): E

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. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

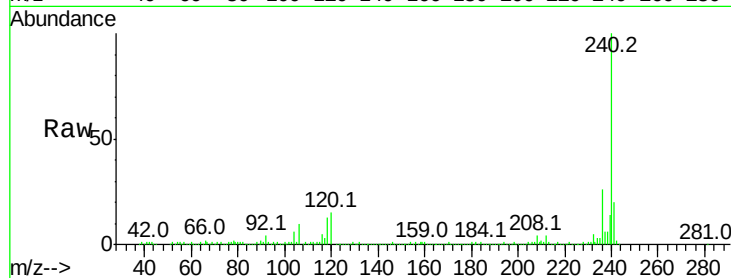
Tot Ion:240 Resp: 255343

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

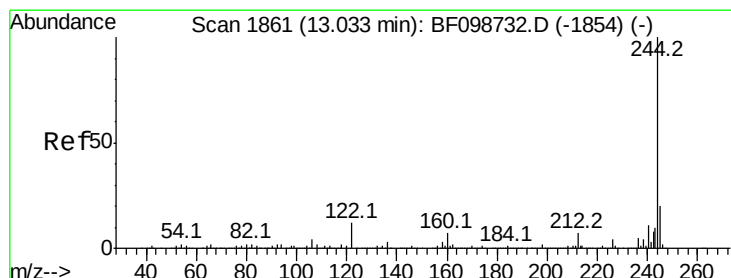
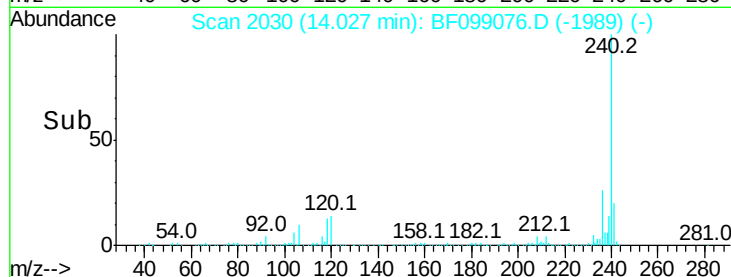
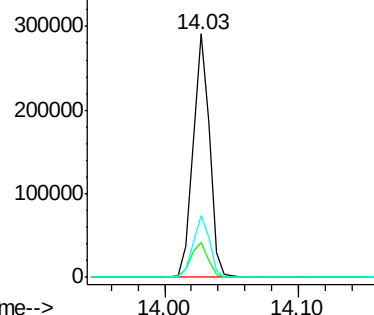
236 25.6 20.7 31.1



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: 93.266 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099076.D

Acq: 4 Oct 2017 19:36

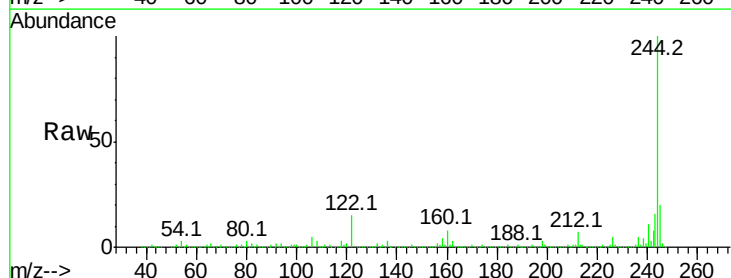
Tgt Ion:244 Resp: 1047168

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

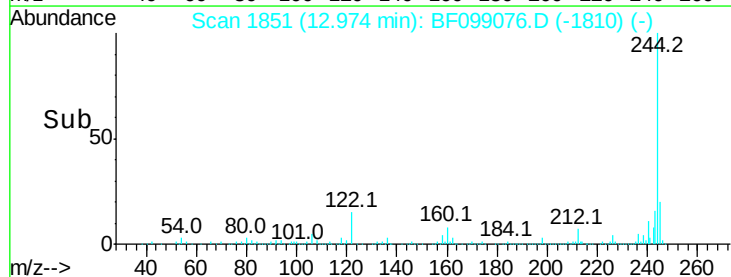
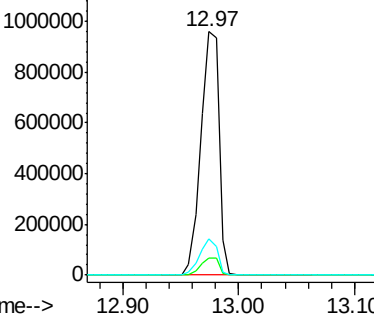
122 14.8 11.0 16.4

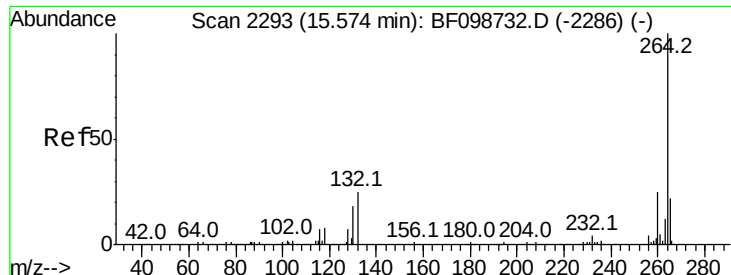


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

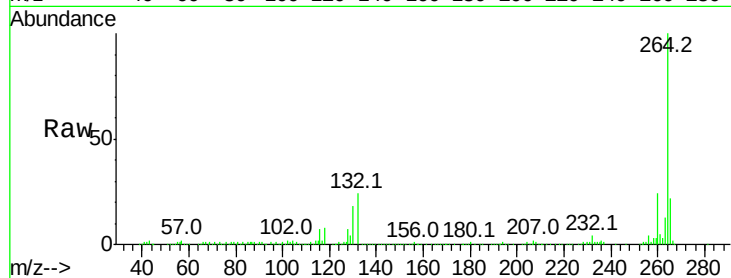




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.07 min
 Lab File: BF099076.D
 Acq: 4 Oct 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion:	264	Resp:	227270
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	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

