

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038796.D
 Acq On : 21 Dec 2018 21:25
 Operator : JU/SJ
 Sample : J6492-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW26S-GW

Quant Time: Dec 22 03:24:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	25324	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	112636	20.00	ng	0.03
39) Acenaphthene-d10	14.70	164	70261	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	156524	20.00	ng	0.00
76) Chrysene-d12	21.73	240	150556	20.00	ng	0.00
87) Perylene-d12	25.04	264	162164	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	59072	41.37	ng	0.01
7) Phenol-d6	7.22	99	50430	25.73	ng	0.01
23) Nitrobenzene-d5	9.24	82	123677	56.09	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	98566	101.79	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	321316	62.74	ng	0.00
79) Terphenyl-d14	20.05	244	417305	60.32	ng	0.00

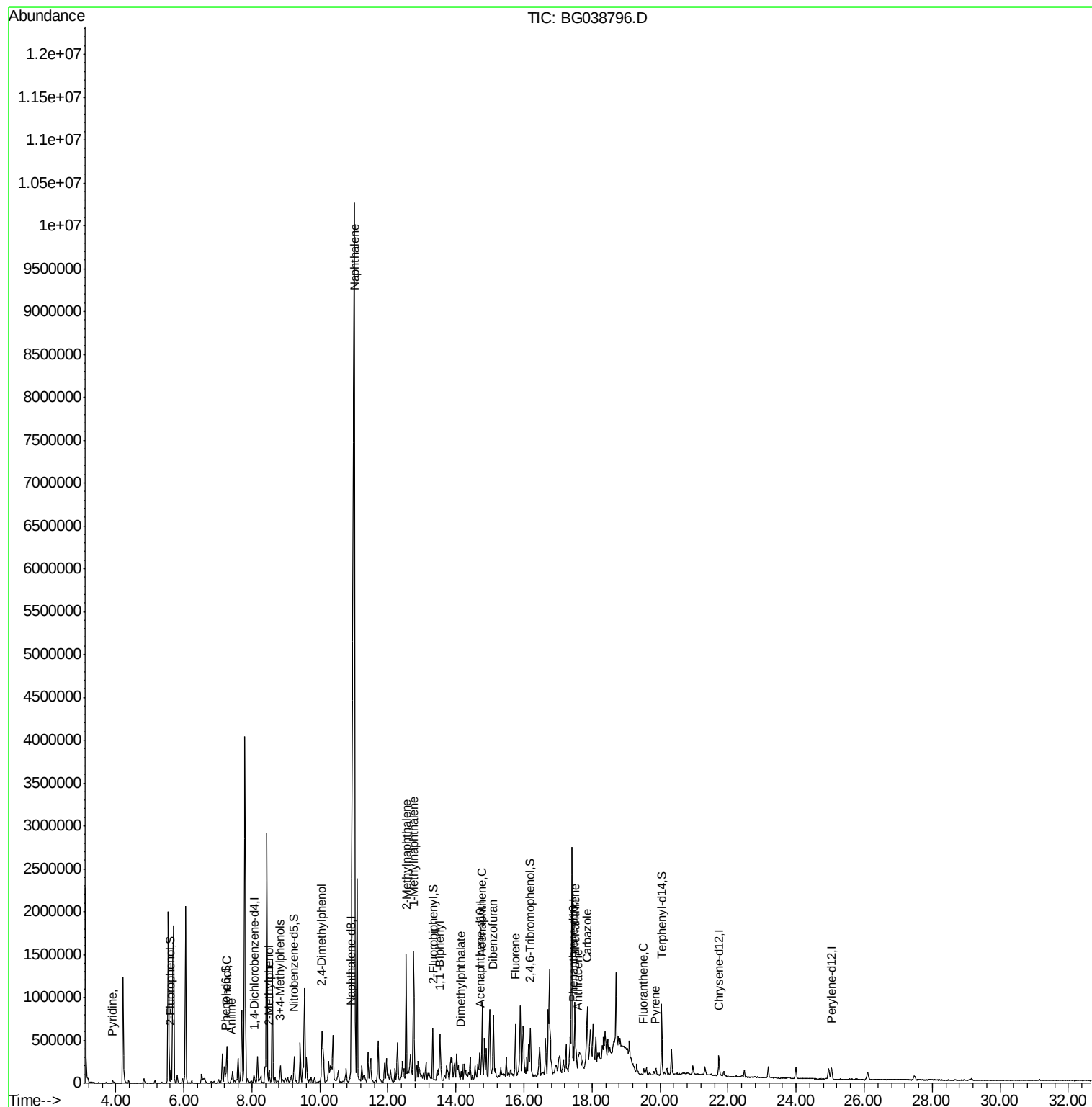
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.91	79	12305	6.726	ng	# 86
6) Aniline	7.39	93	36406	14.550	ng	95
10) Phenol	7.25	94	52038	24.990	ng	89
17) 2-Methylphenol	8.51	107	48384	34.680	ng	97
20) 3+4-Methylphenols	8.84	107	97084	50.386	ng	98
27) 2,4-Dimethylphenol	10.07	122	319125	195.057	ng	99
31) Naphthalene	11.02	128	11022329	1986.123	ng	# 32
37) 2-Methylnaphthalene	12.54	142	683279	172.580	ng	98
38) 1-Methylnaphthalene	12.76	142	705027	183.509	ng	100
46) 1,1'-Biphenyl	13.53	154	209211	35.519	ng	100
50) Dimethylphthalate	14.15	163	40077	6.985	ng	99
52) Acenaphthene	14.77	154	317625	78.094	ng	99
55) Dibenzofuran	15.10	168	471057	67.565	ng	97
58) Fluorene	15.75	166	265906	51.479	ng	98
71) Phenanthrene	17.50	178	463625	57.119	ng	99
72) Anthracene	17.59	178	47112	5.879	ng	96
73) Carbazole	17.86	167	393111	49.606	ng	99
75) Fluoranthene	19.52	202	56800	5.656	ng	95
78) Pvrene	19.87	202	39370	3.958	ng	97

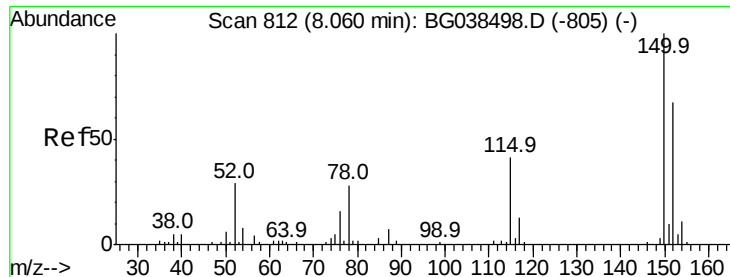
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

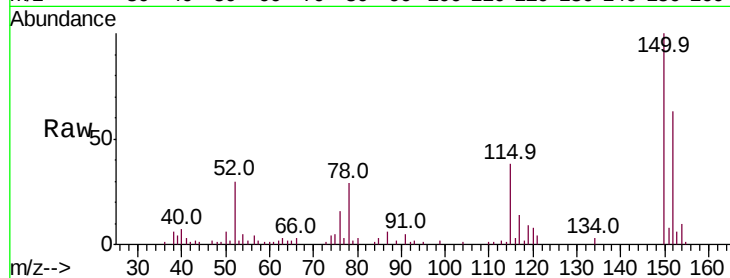
Tot Ion:152 Resp: 25324

Ion Ratio Lower Upper

152 100

150 159.5 119.5 179.3

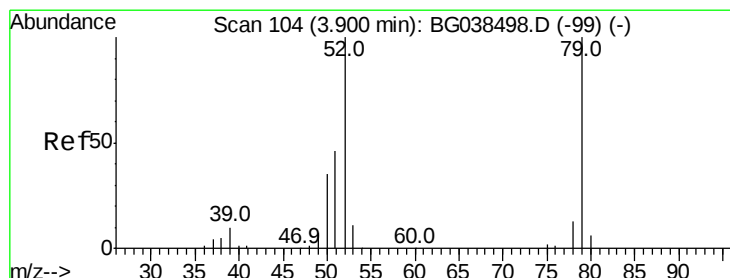
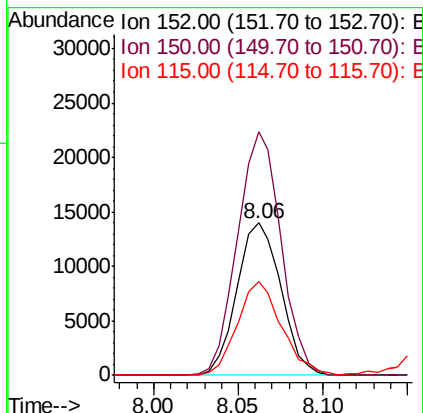
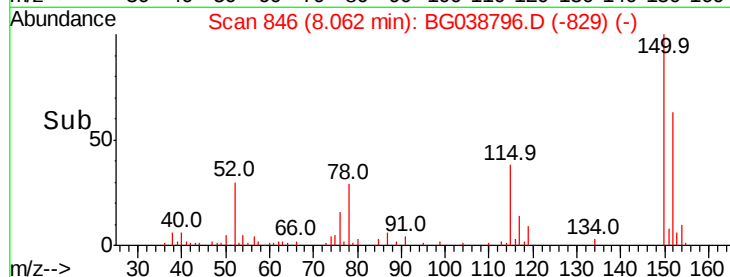
115 61.4 49.6 74.4



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



#3

Pyridine

Concen: 6.726 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

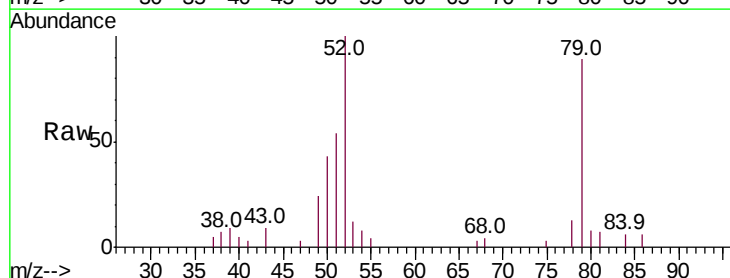
Tgt Ion: 79 Resp: 12305

Ion Ratio Lower Upper

79 100

52 111.8 80.2 120.2

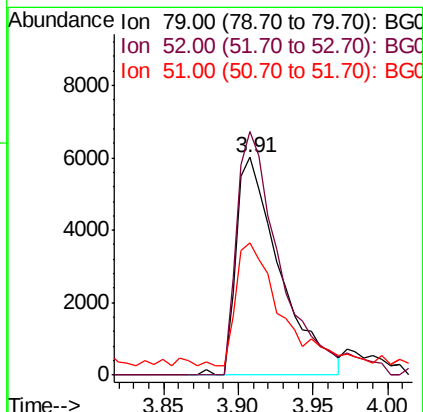
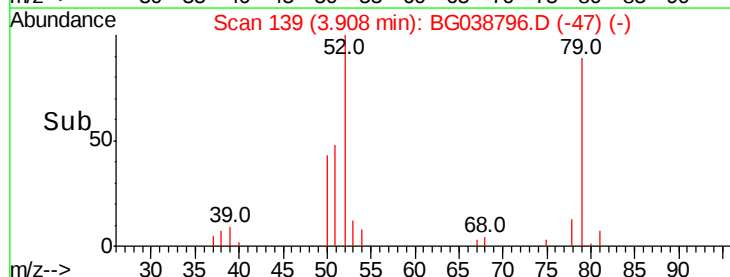
51 60.6 38.0 57.0#

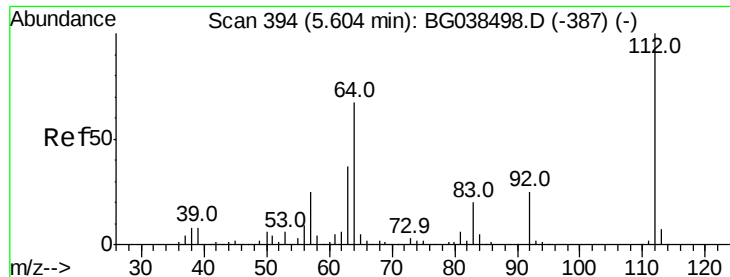


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 41.373 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

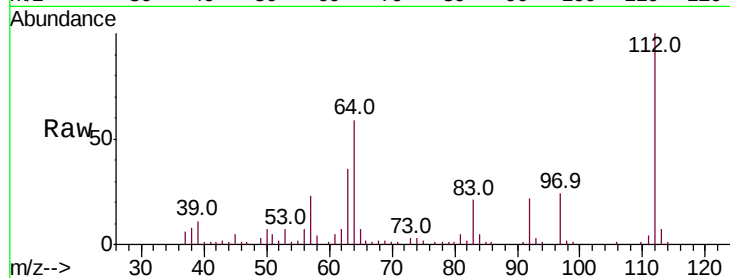
Tot Ion:112 Resp: 59072

Ion Ratio Lower Upper

112 100

64 59.5 53.4 80.2

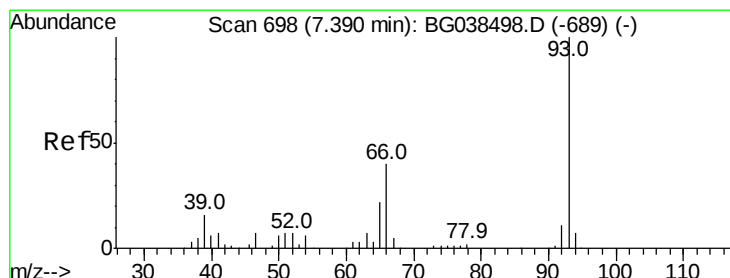
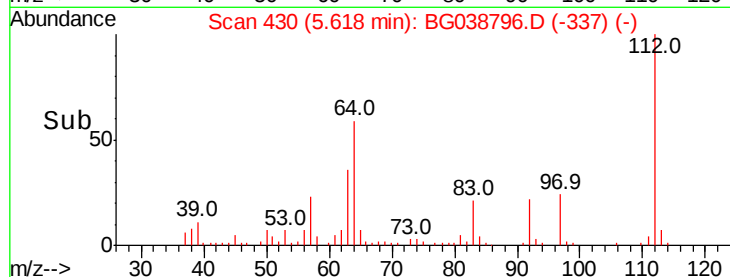
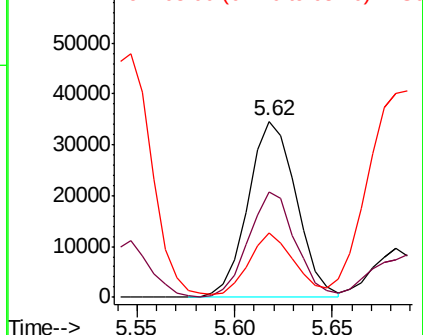
63 36.4 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 14.550 ng

RT: 7.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

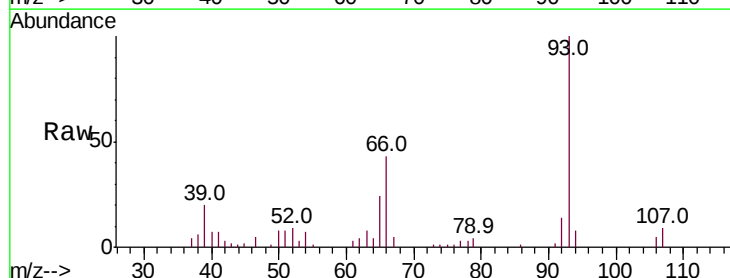
Tgt Ion: 93 Resp: 36406

Ion Ratio Lower Upper

93 100

66 43.1 31.7 47.5

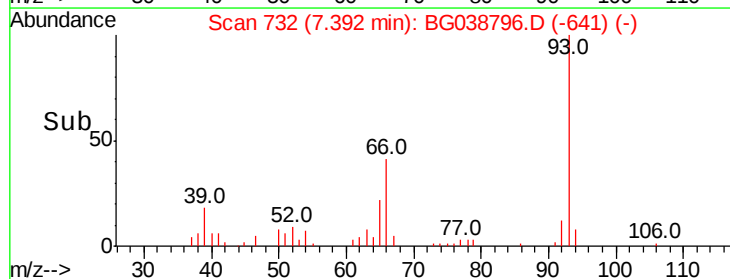
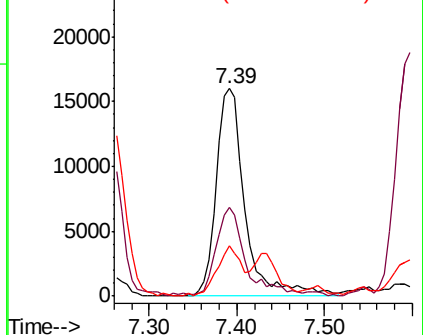
65 24.0 17.8 26.6

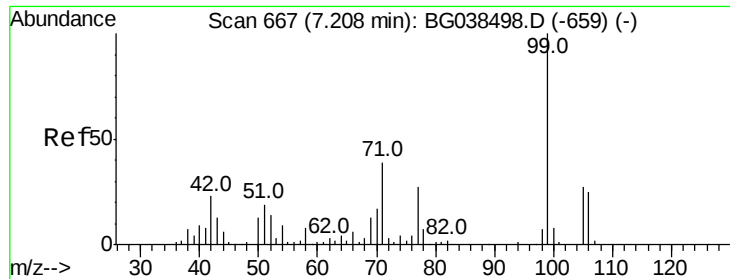


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 25.729 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

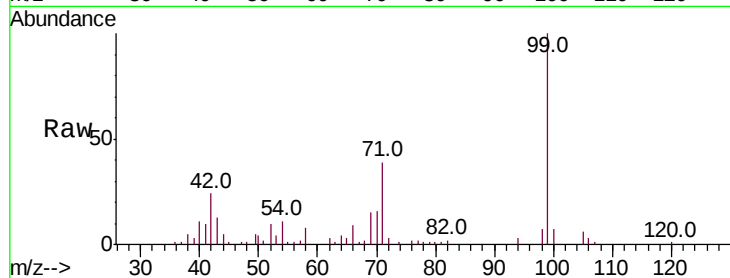
Tot Ion: 99 Resp: 50430

Ion Ratio Lower Upper

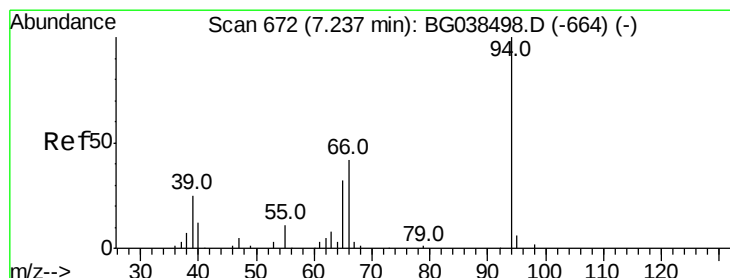
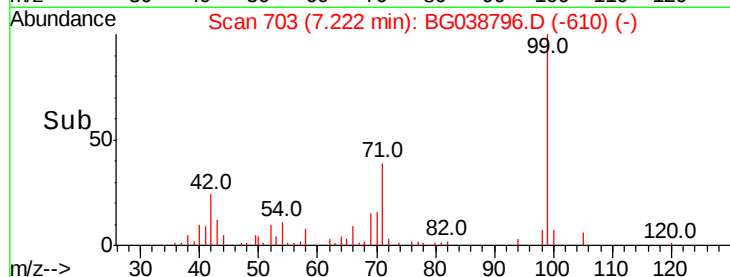
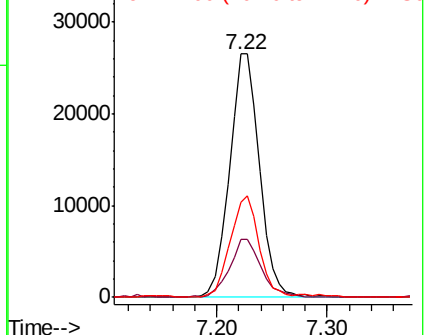
99 100

42 23.6 18.5 27.7

71 39.1 31.1 46.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 24.990 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

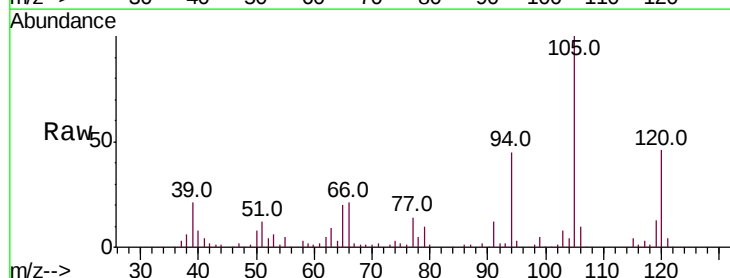
Tgt Ion: 94 Resp: 52038

Ion Ratio Lower Upper

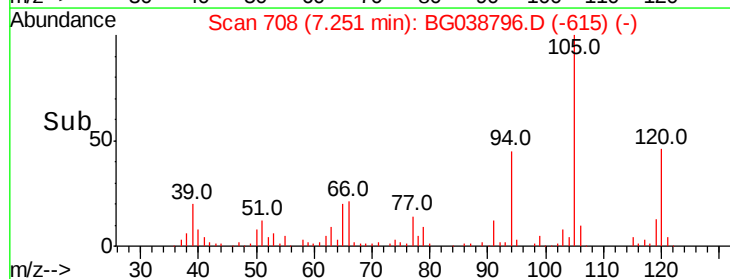
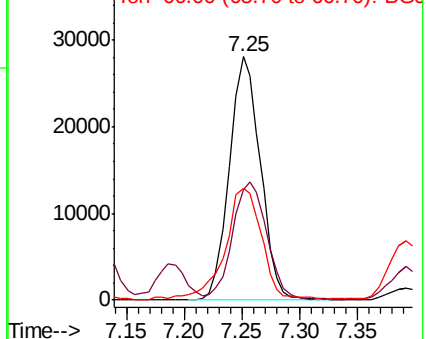
94 100

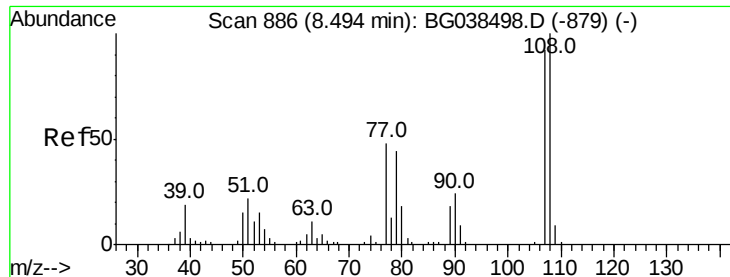
65 45.4 12.6 52.6

66 46.1 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

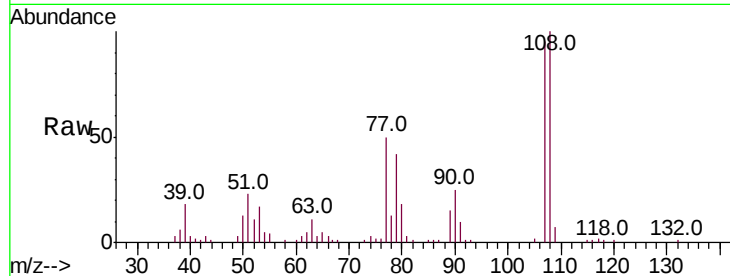




#17
2-Methylphenol
Concen: 34.680 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

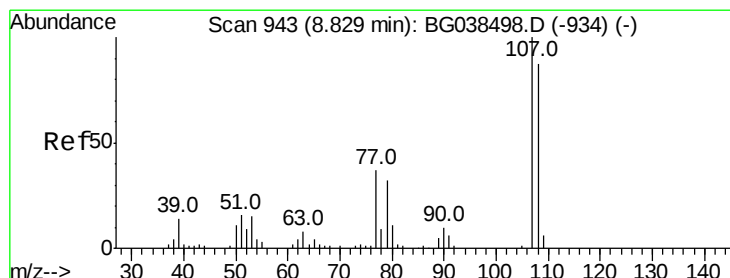
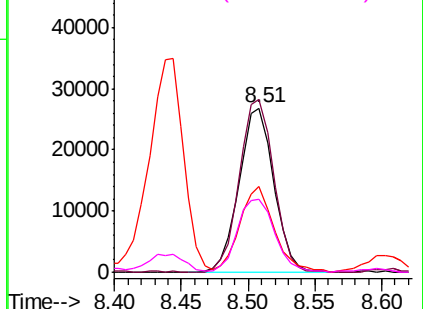
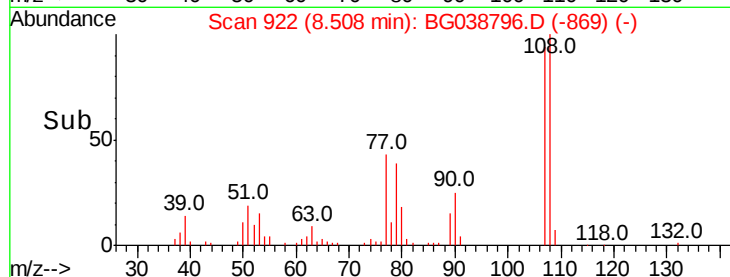
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:107 Resp: 48384
Ion Ratio Lower Upper
107 100
108 104.9 87.1 130.7
77 52.2 42.0 63.0
79 44.4 38.2 57.2



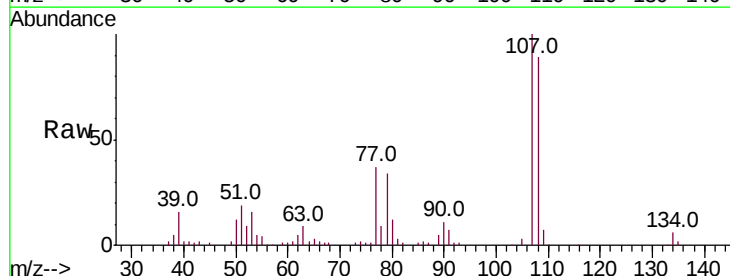
Abundance

Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC



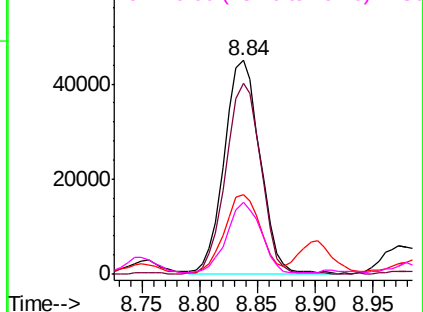
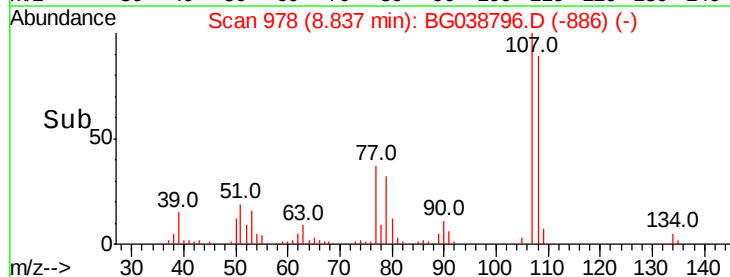
#20
3+4-Methylphenols
Concen: 50.386 ng
RT: 8.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

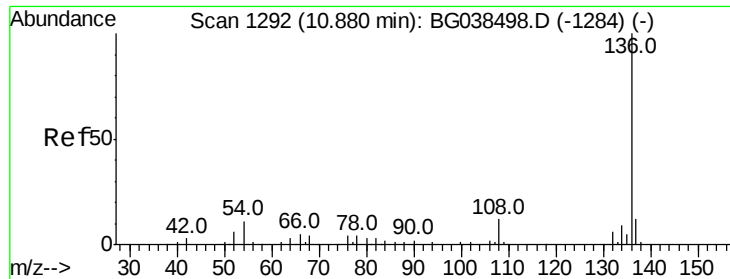
Tgt Ion:107 Resp: 97084
Ion Ratio Lower Upper
107 100
108 89.3 66.7 106.7
77 37.3 17.3 57.3
79 33.6 12.3 52.3



Abundance

Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

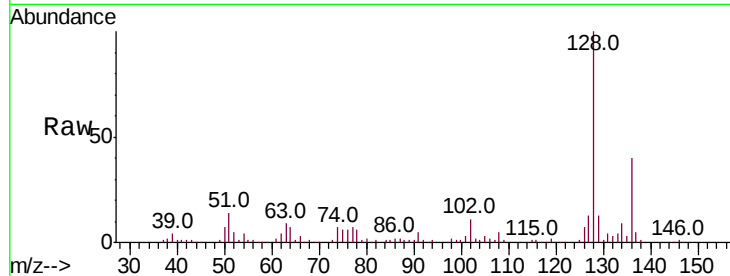




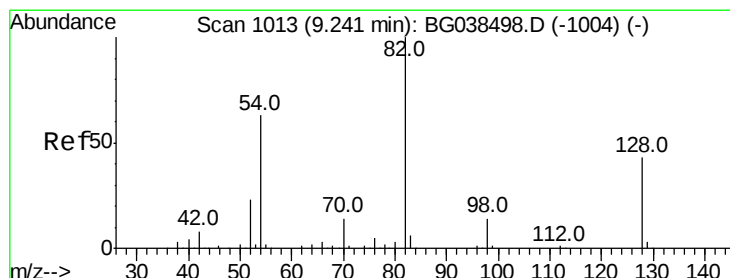
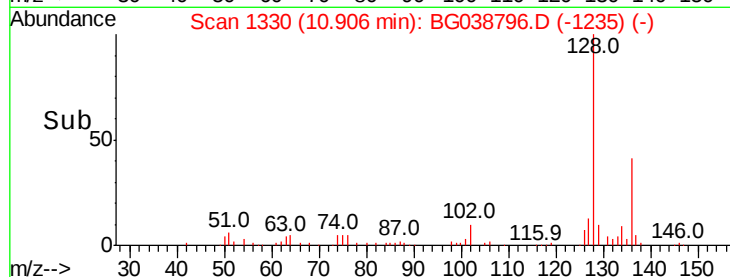
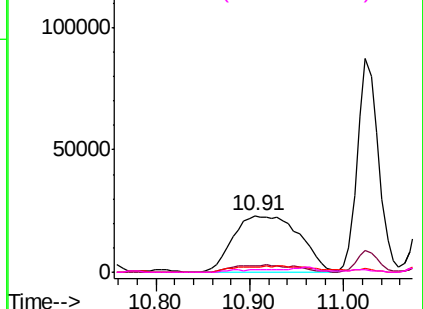
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1330
Delta R.T. 0.03 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:136	Resp:	112636
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	9.6	8.5 12.7
68	3.7	3.5 5.3

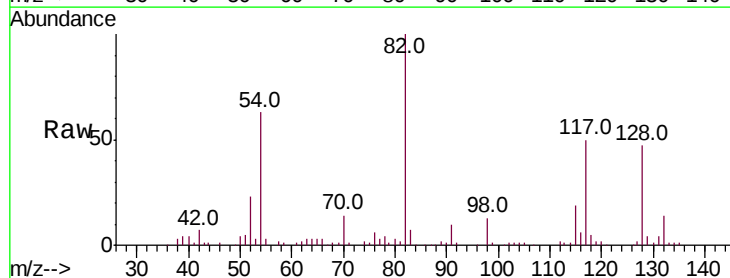


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

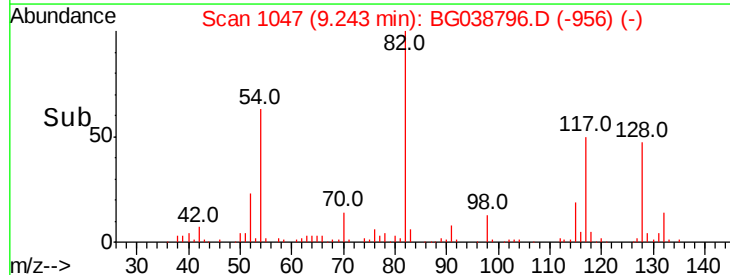
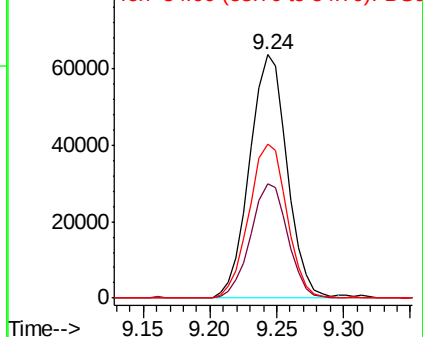


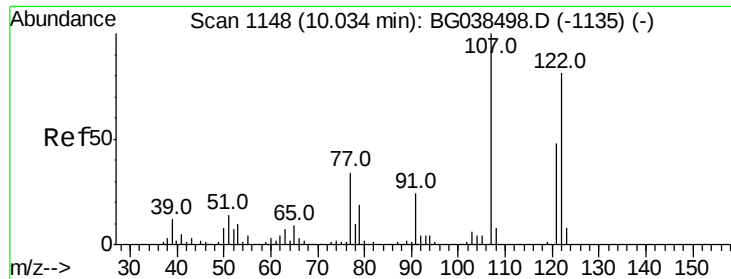
#23
Nitrobenzene-d5
Concen: 56.095 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion: 82	Resp:	123677
Ion Ratio	Lower	Upper
82	100	
128	46.8	34.6 52.0
54	63.5	50.6 76.0



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

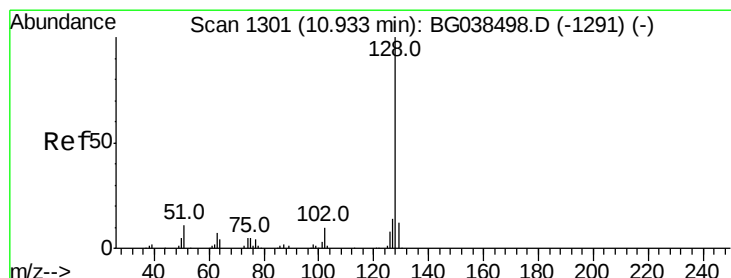
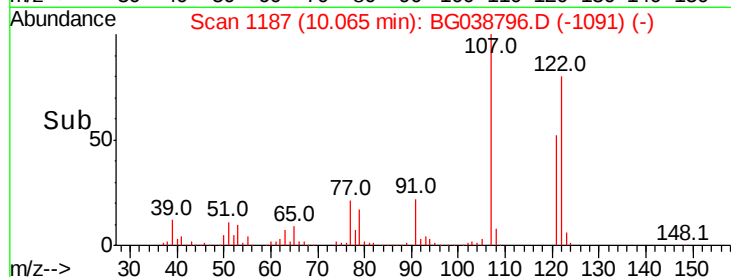
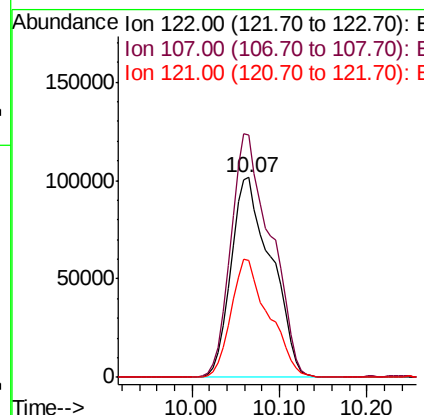
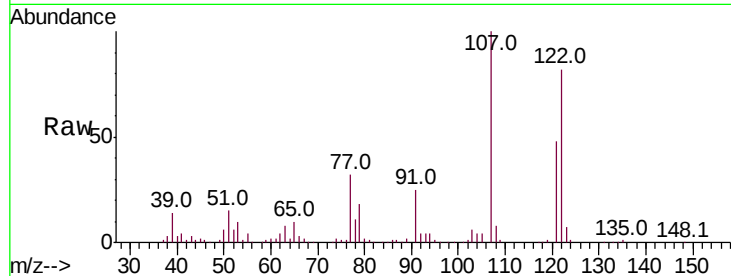




#27
2,4-Dimethylphenol
Concen: 195.057 ng
RT: 10.07 min Scan# 1187
Delta R.T. 0.03 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

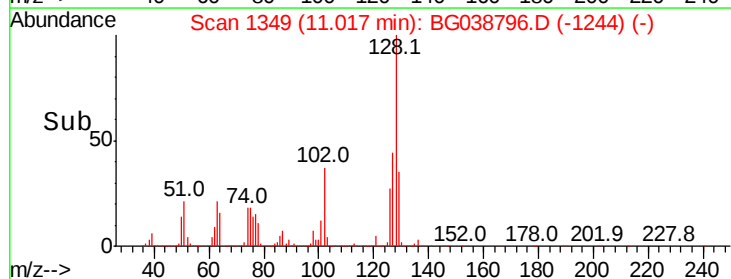
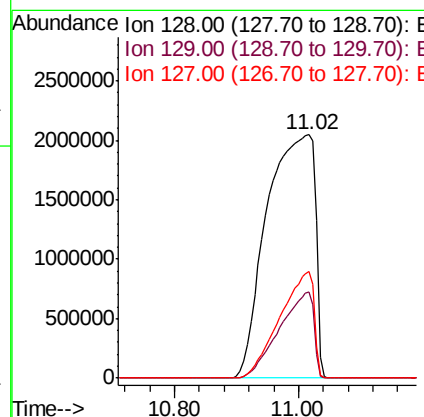
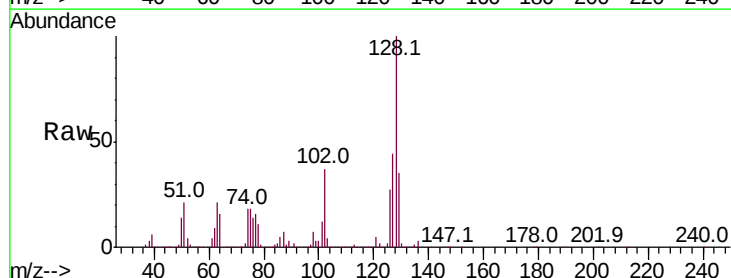
Instrument :
BNA_G
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QNWP8-MW26S-GW

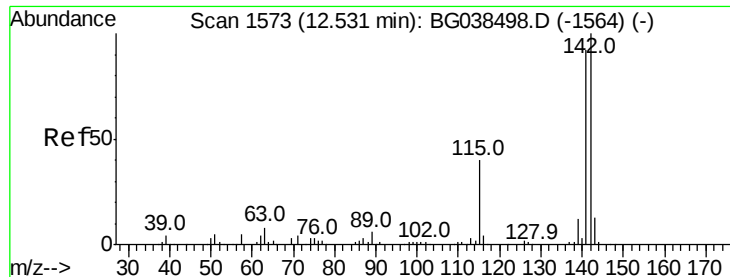
Tot Ion:122 Resp: 319125
Ion Ratio Lower Upper
122 100
107 121.4 98.4 147.6
121 58.8 47.2 70.8



#31
Naphthalene
Concen: 1986.123 ng
RT: 11.02 min Scan# 1349
Delta R.T. 0.08 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion:128 Resp:11022329
Ion Ratio Lower Upper
128 100
129 35.2 9.5 14.3#
127 44.1 10.9 16.3#

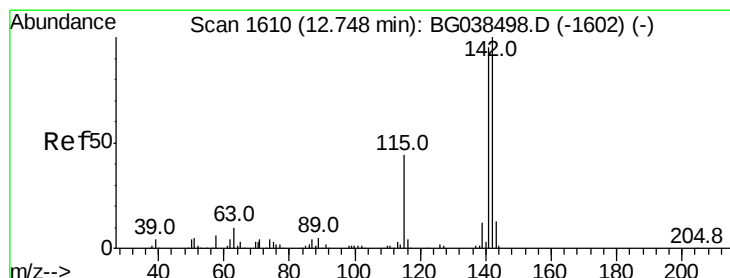
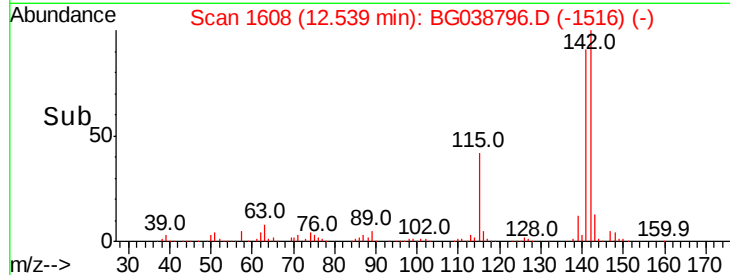
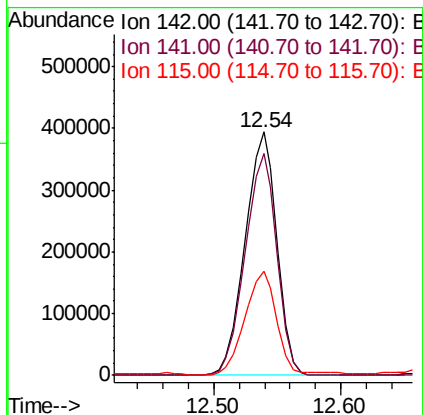
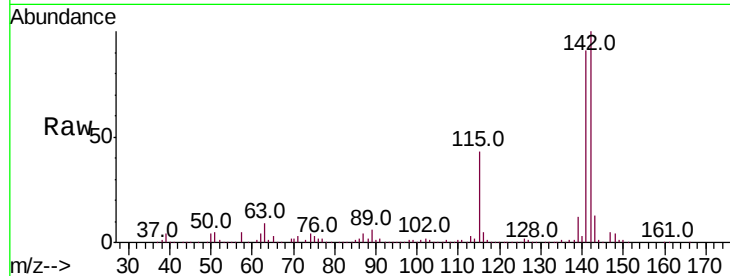




#37
 2-Methylnaphthalene
 Concen: 172.580 ng
 RT: 12.54 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BG038796.D
 Acq: 21 Dec 2018 21:25

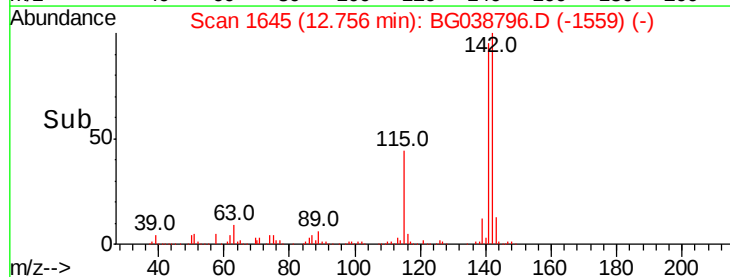
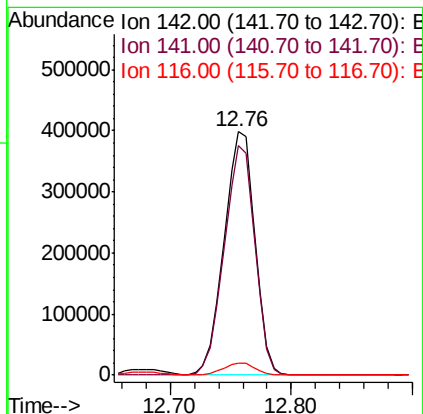
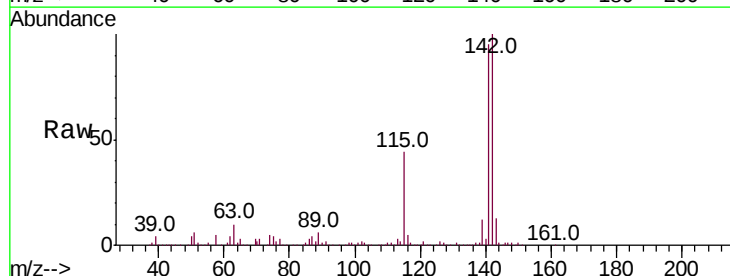
Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW26S-GW

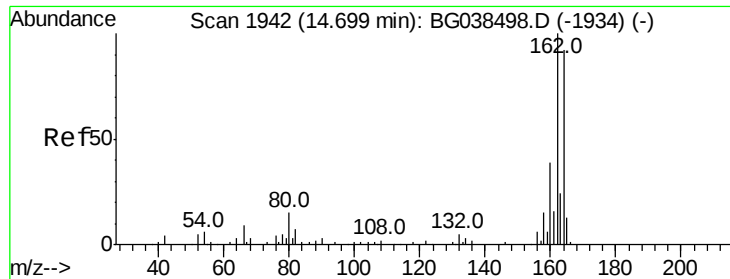
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.5	110.3
115	42.7	31.7	47.5



#38
 1-Methylnaphthalene
 Concen: 183.509 ng
 RT: 12.76 min Scan# 1645
 Delta R.T. 0.01 min
 Lab File: BG038796.D
 Acq: 21 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	75.8	113.8
116	5.0	3.6	5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

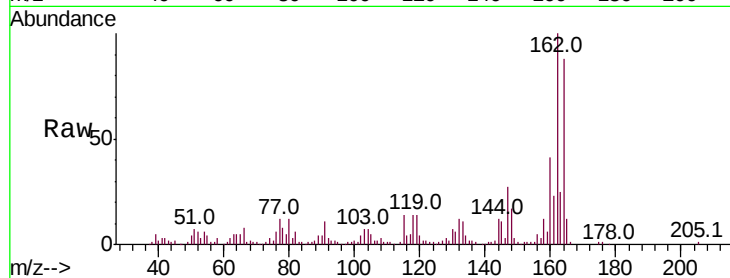
Tot Ion:164 Resp: 70261

Ion Ratio Lower Upper

164 100

162 113.5 86.6 130.0

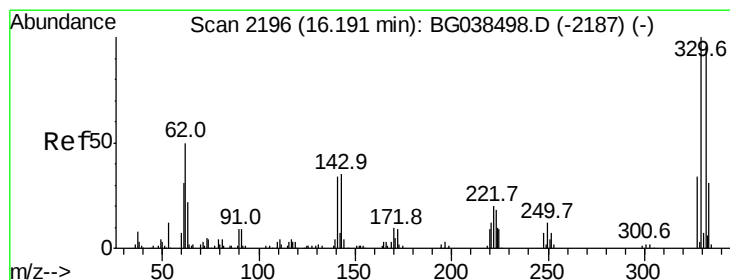
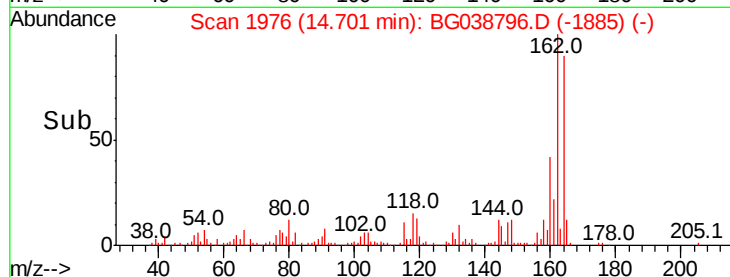
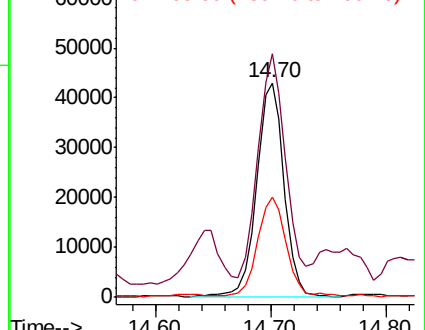
160 46.7 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 101.790 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

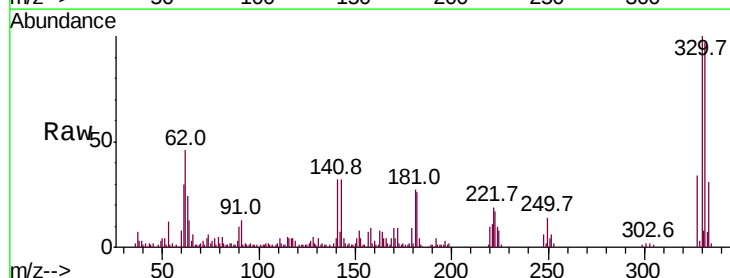
Tgt Ion:330 Resp: 98566

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

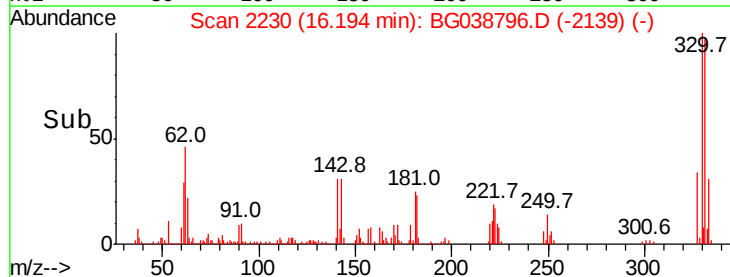
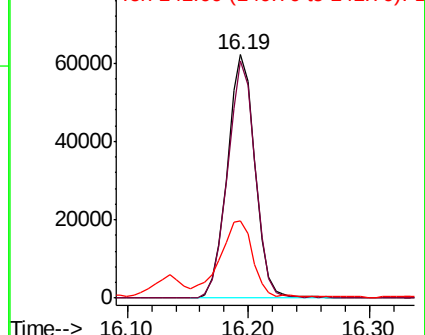
141 36.9 28.8 43.2

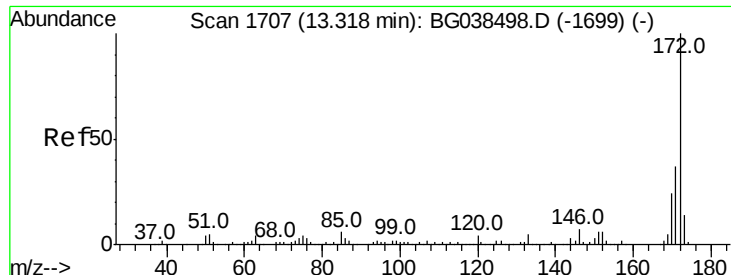


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

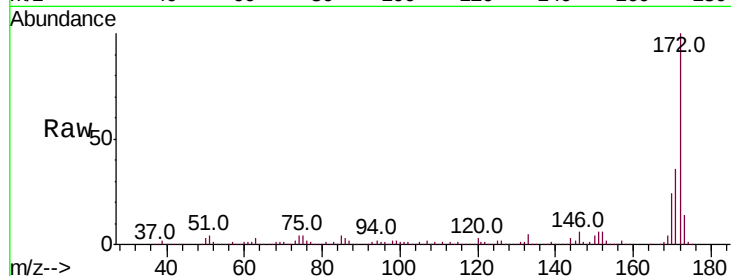




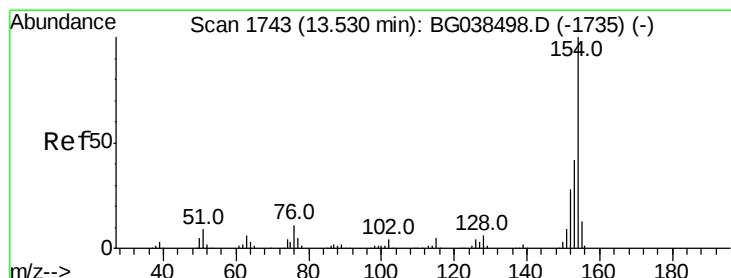
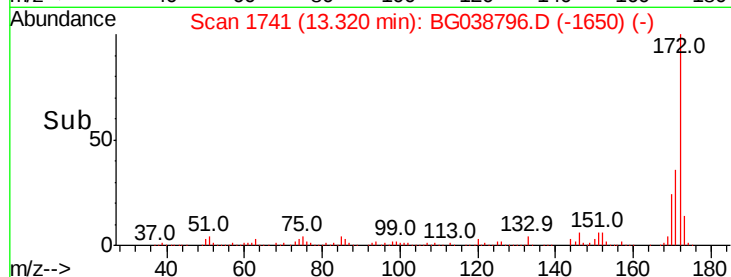
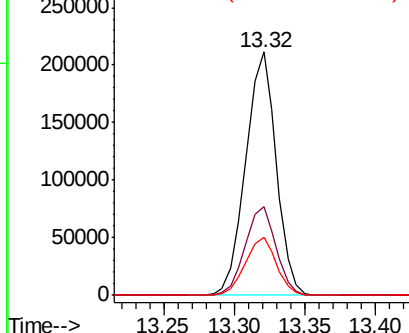
#45
2-Fluorobiphenyl
Concen: 62.737 ng
RT: 13.32 min Scan# 1741
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:172 Resp: 321316
Ion Ratio Lower Upper
172 100
171 36.2 29.8 44.6
170 24.1 19.5 29.3

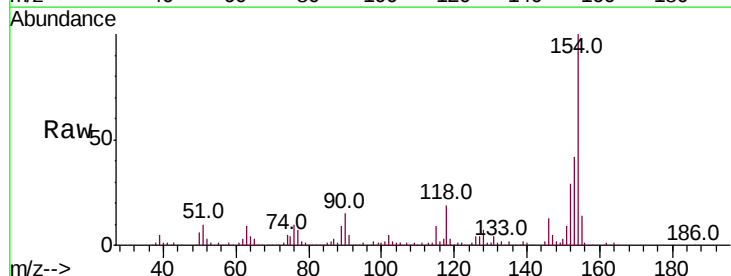


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

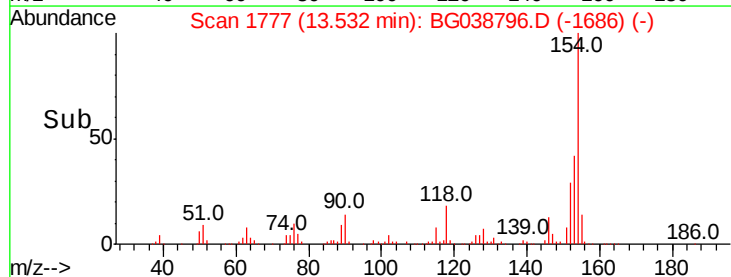
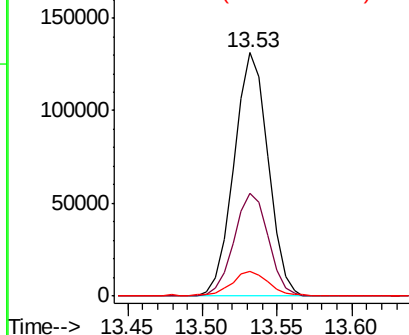


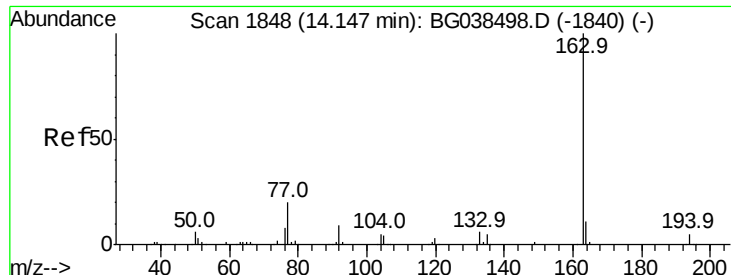
#46
1,1'-Biphenyl
Concen: 35.519 ng
RT: 13.53 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion:154 Resp: 209211
Ion Ratio Lower Upper
154 100
153 42.1 22.1 62.1
76 10.4 0.0 31.2



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): BG

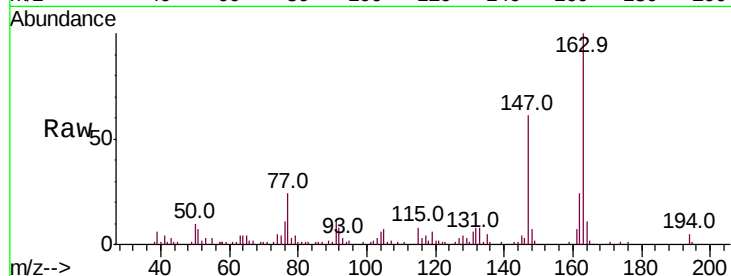




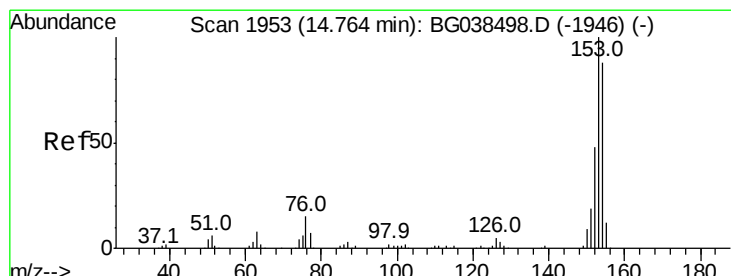
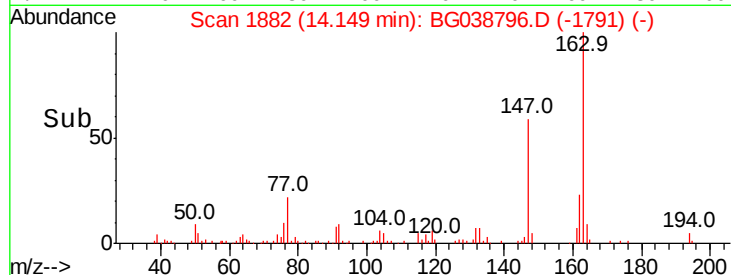
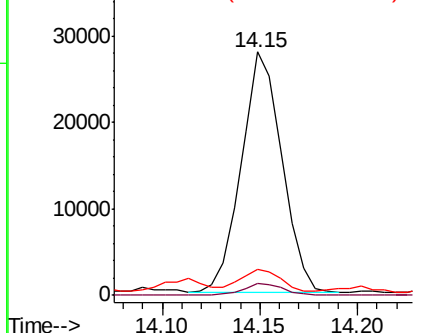
#50
Dimethylphthalate
Concen: 6.985 ng
RT: 14.15 min Scan# 1882
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:163 Resp: 40077
Ion Ratio Lower Upper
163 100
194 4.9 3.7 5.5
164 10.9 8.6 12.8

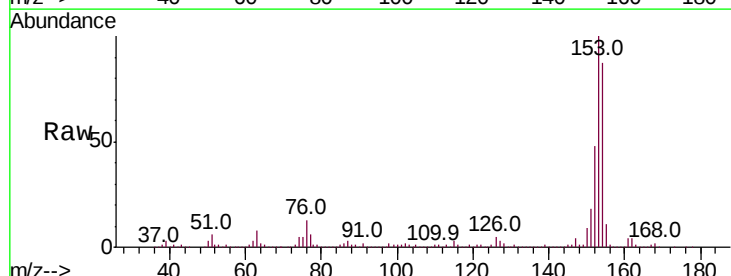


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

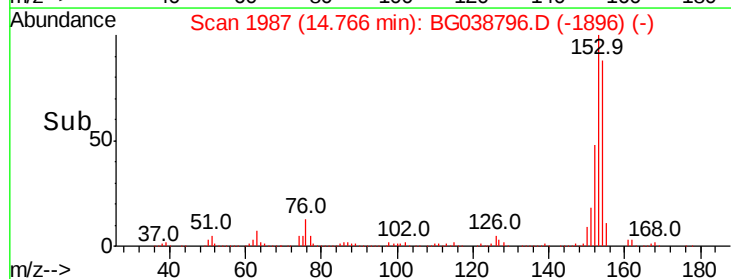
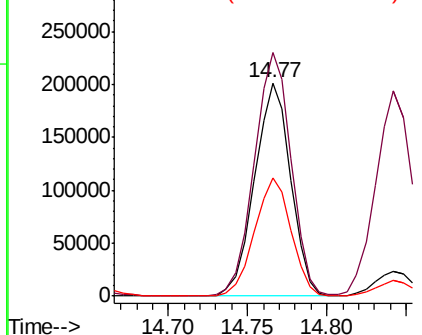


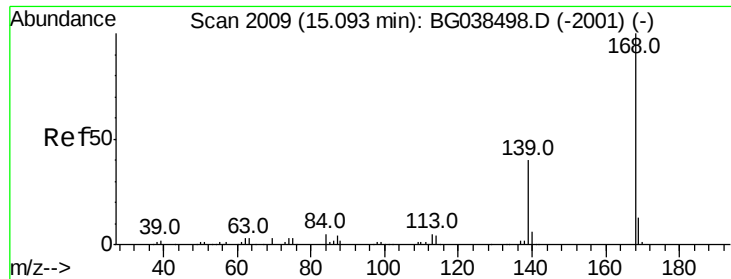
#52
Acenaphthene
Concen: 78.094 ng
RT: 14.77 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion:154 Resp: 317625
Ion Ratio Lower Upper
154 100
153 114.3 90.6 136.0
152 55.4 43.5 65.3



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

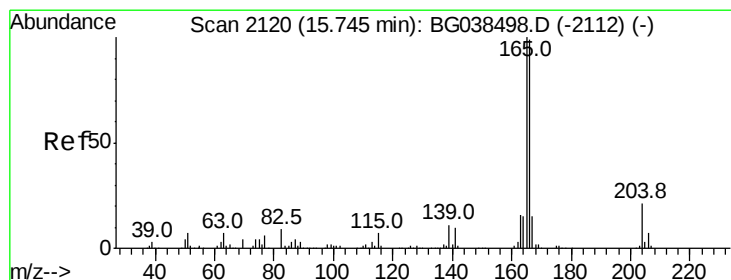
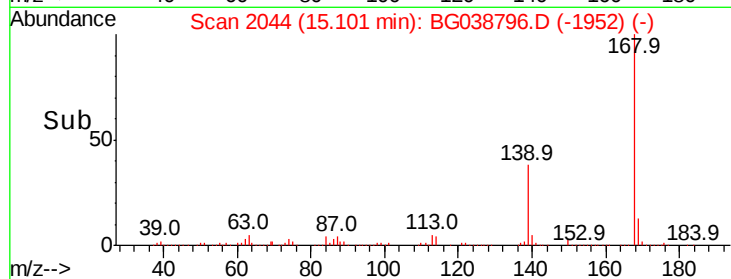
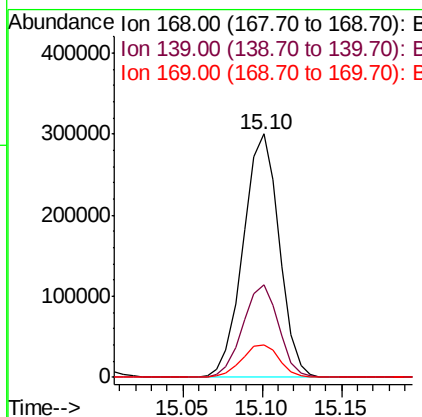
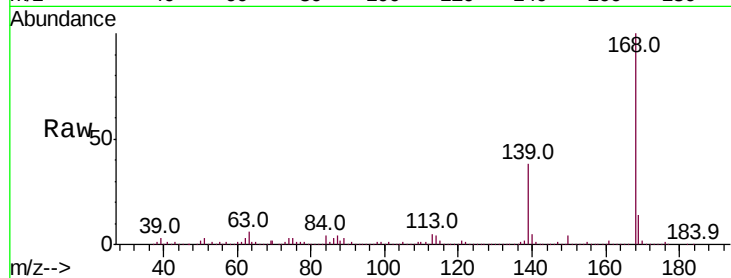




#55
Dibenzenofuran
Concen: 67.565 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

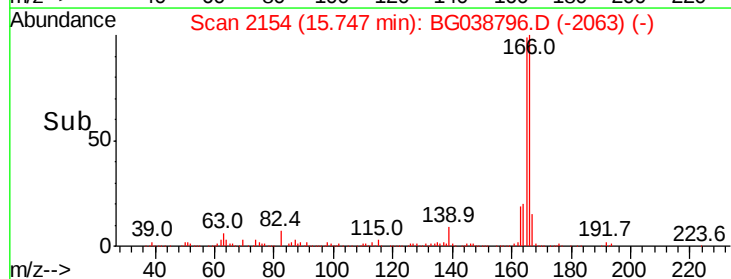
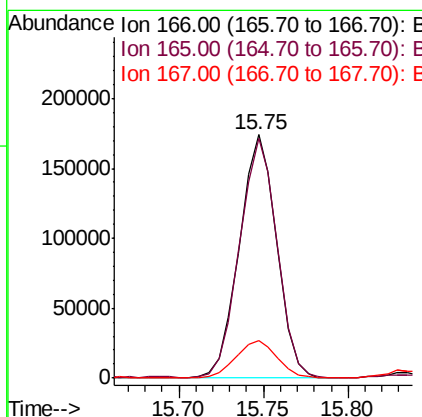
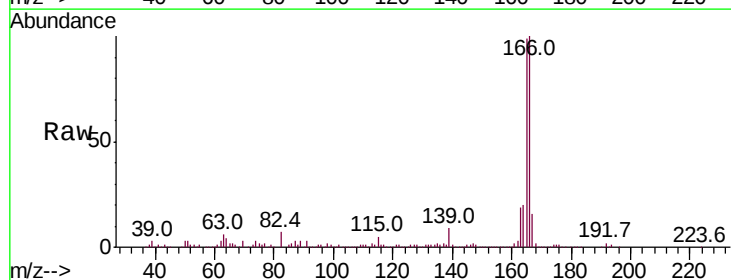
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

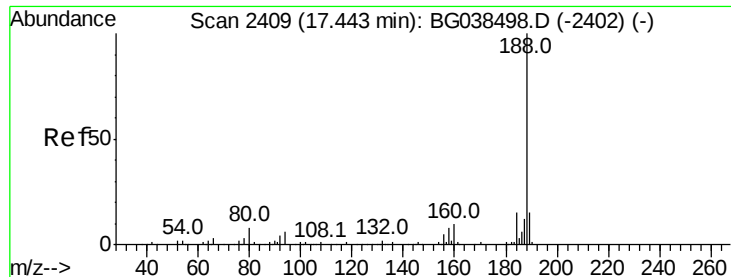
Tot Ion:168 Resp: 471057
Ion Ratio Lower Upper
168 100
139 38.0 32.2 48.2
169 13.5 10.6 16.0



#58
Fluorene
Concen: 51.479 ng
RT: 15.75 min Scan# 2154
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion:166 Resp: 265906
Ion Ratio Lower Upper
166 100
165 98.5 80.6 120.8
167 15.5 12.0 18.0

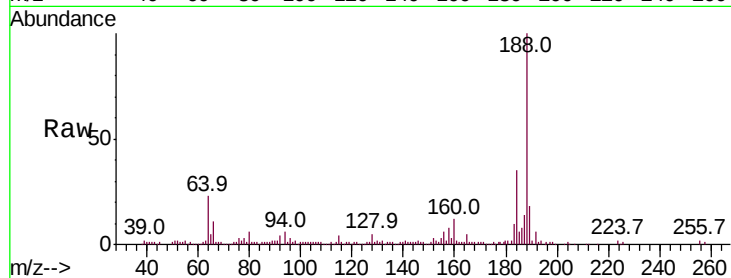




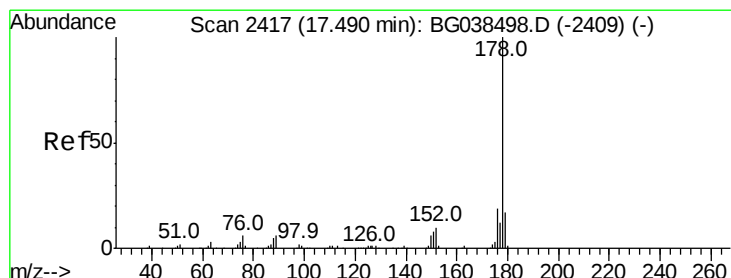
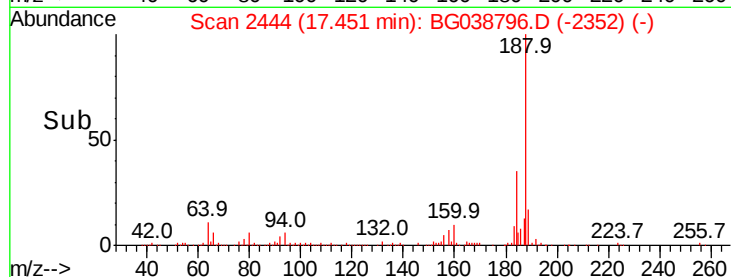
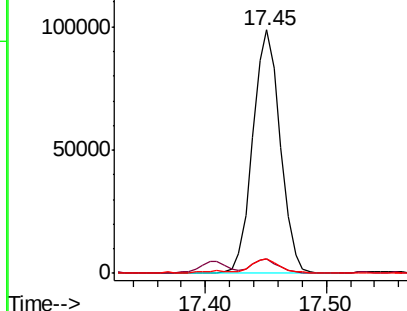
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:188 Resp: 156524
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 6.1 6.1 9.1#

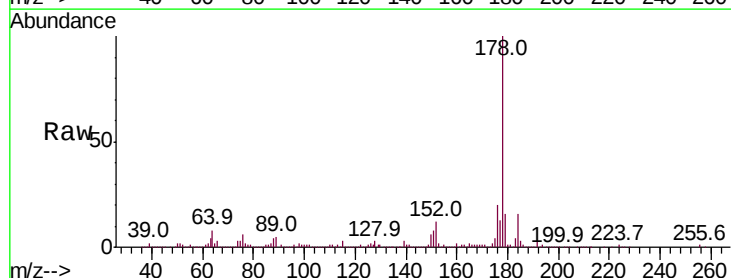


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

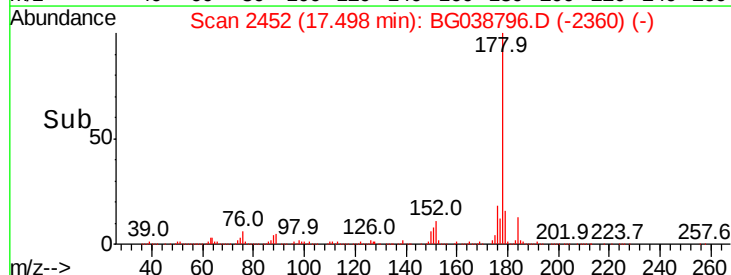
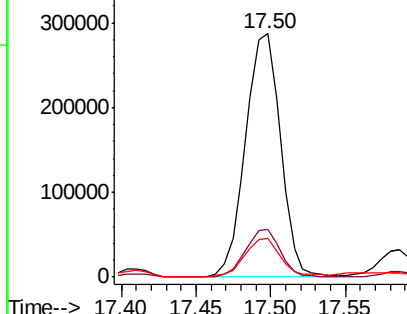


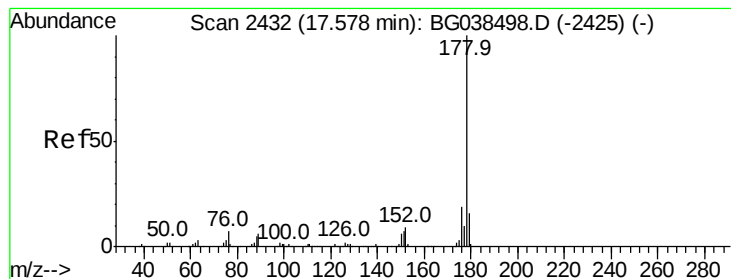
#71
Phenanthrene
Concen: 57.119 ng
RT: 17.50 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion:178 Resp: 463625
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.9 13.2 19.8



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

Anthracene

Concen: 5.879 ng

RT: 17.59 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

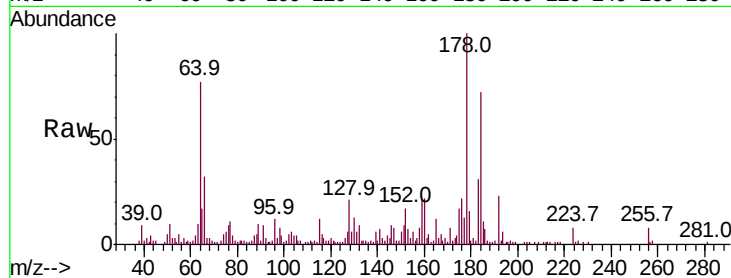
Tot Ion:178 Resp: 47112

Ion Ratio Lower Upper

178 100

176 21.9 15.1 22.7

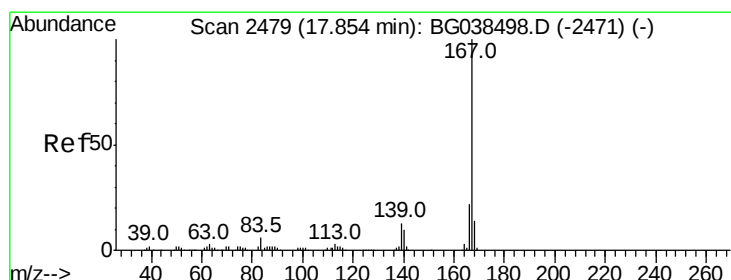
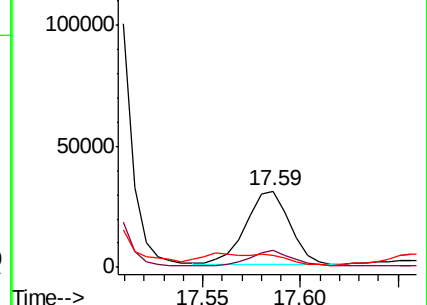
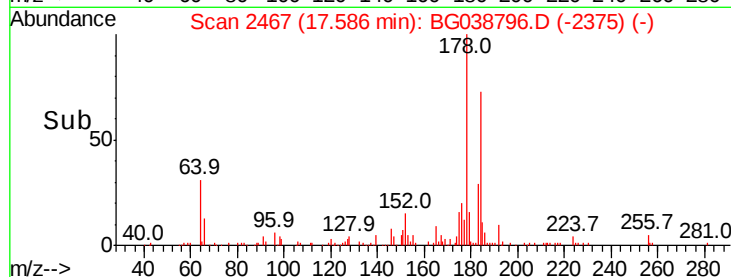
179 16.5 12.9 19.3



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



#73

Carbazole

Concen: 49.606 ng

RT: 17.86 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

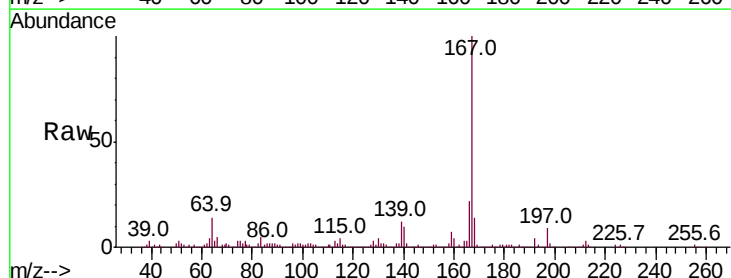
Tgt Ion:167 Resp: 393111

Ion Ratio Lower Upper

167 100

166 21.8 17.9 26.9

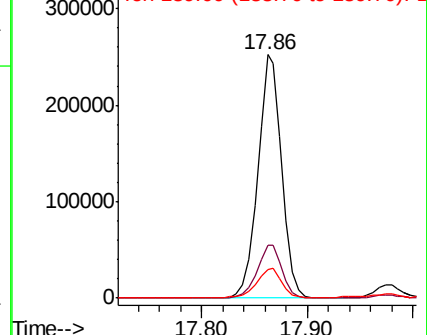
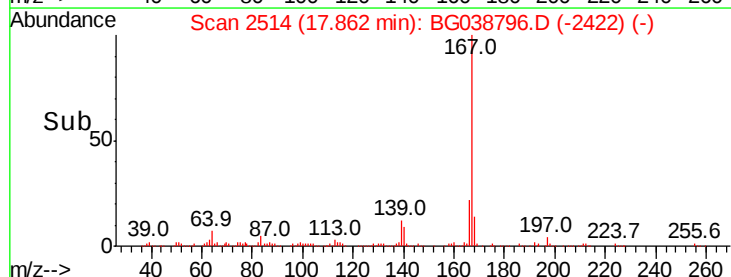
139 12.0 10.2 15.2

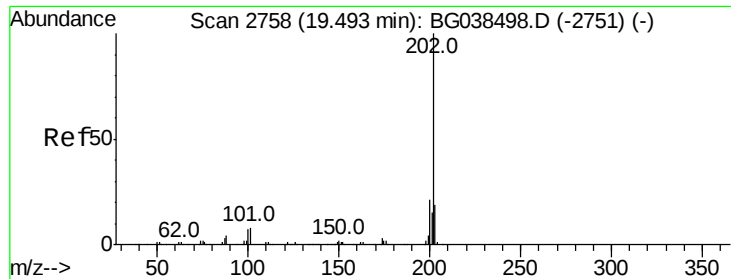


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 5.656 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.03 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW26S-GW

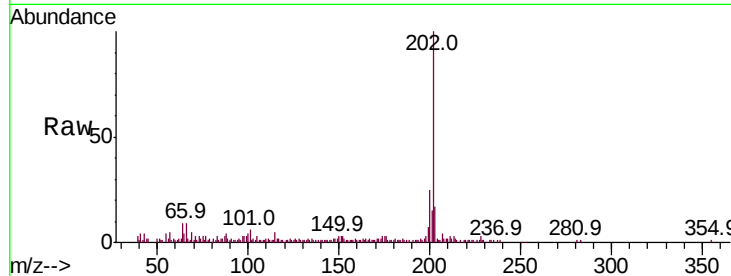
Tot Ion:202 Resp: 56800

Ion Ratio Lower Upper

202 100

101 5.8 0.0 28.1

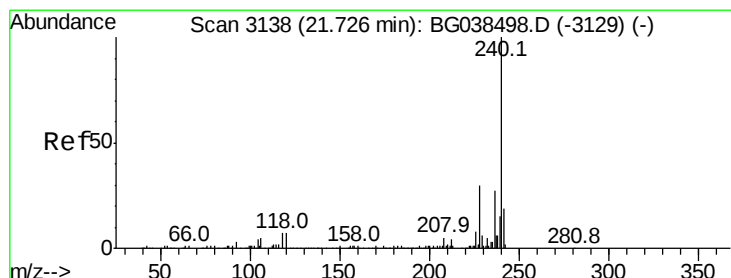
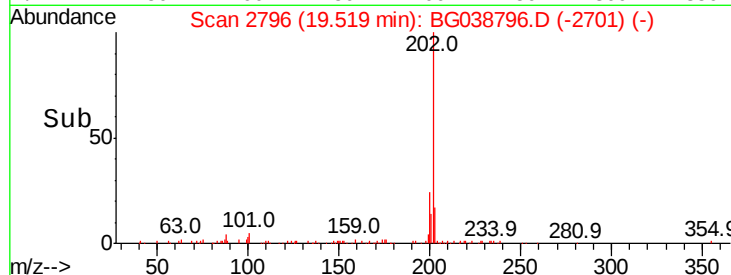
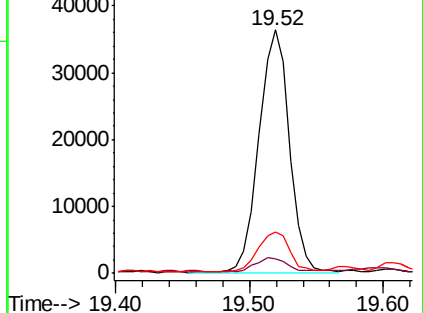
203 17.1 0.0 39.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.00 min

Lab File: BG038796.D

Acq: 21 Dec 2018 21:25

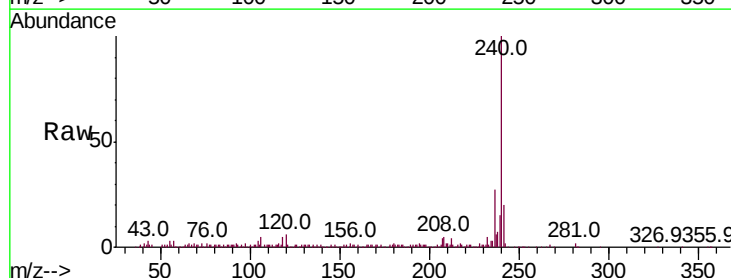
Tgt Ion:240 Resp: 150556

Ion Ratio Lower Upper

240 100

120 5.5 5.3 7.9

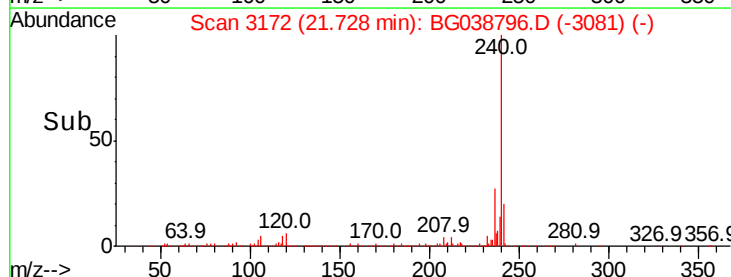
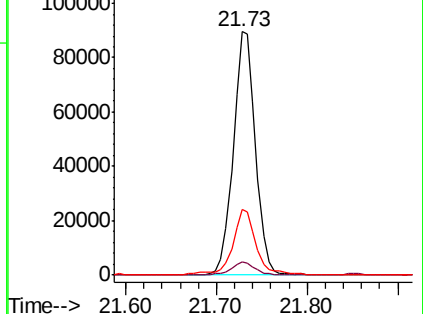
236 26.8 21.4 32.2

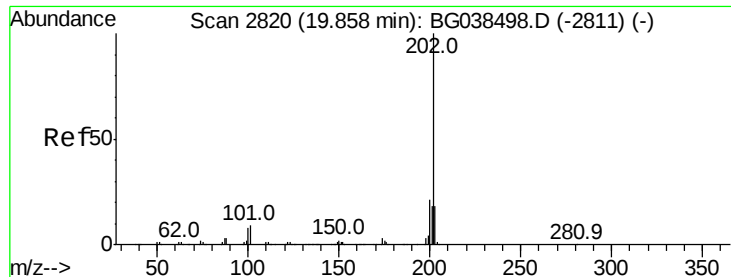


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

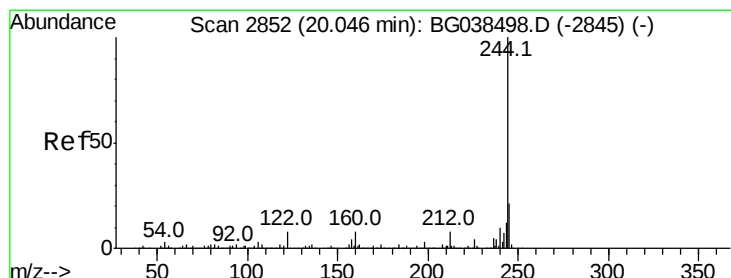
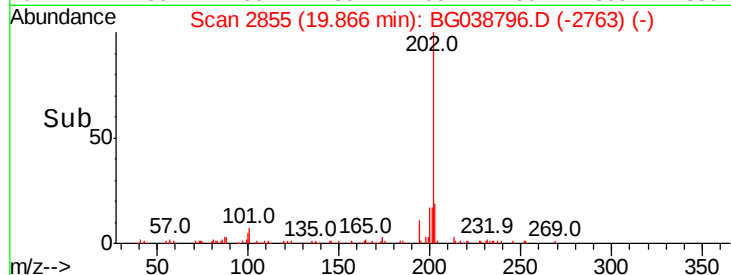
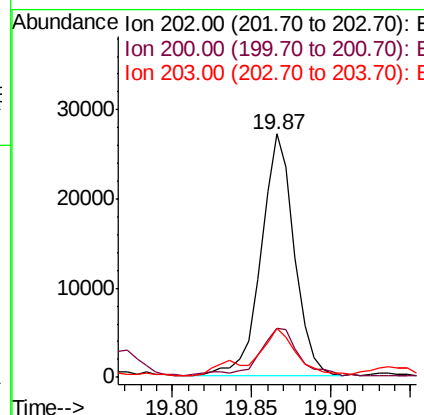
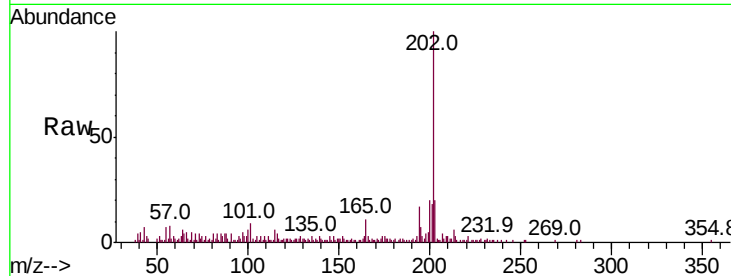




#78
Pvrene
Concen: 3.958 ng
RT: 19.87 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

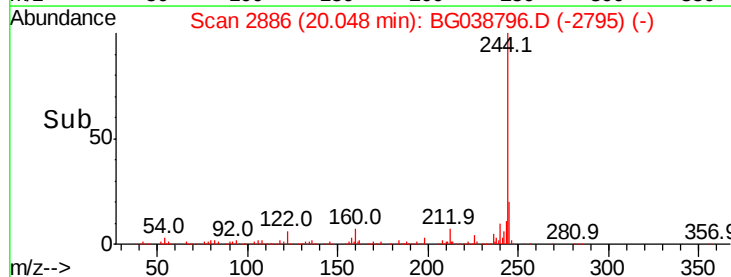
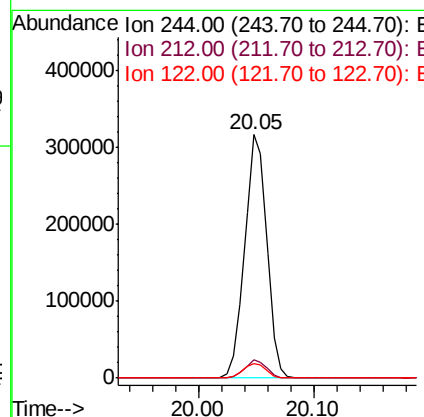
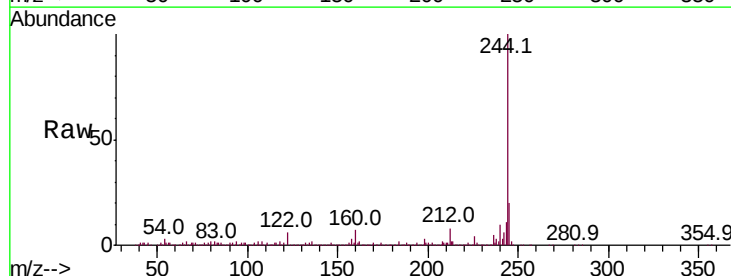
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

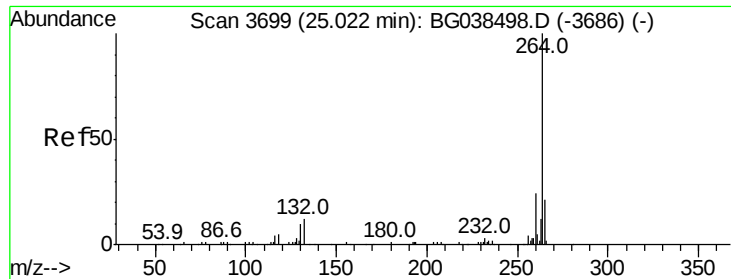
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	25.0
203	20.0	14.6	21.8



#79
Terphenyl-d14
Concen: 60.323 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.00 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	6.0	6.3	9.5#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3735
Delta R.T. 0.01 min
Lab File: BG038796.D
Acq: 21 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.4	17.0	25.4

