

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038799.D
 Acq On : 21 Dec 2018 23:23
 Operator : JU/SJ
 Sample : J6492-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Dec 22 03:35:16 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	26117	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	110092	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	74631	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	167382	20.00	ng	0.00
76) Chrysene-d12	21.73	240	165158	20.00	ng	0.00
87) Perylene-d12	25.03	264	178328	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	91046	61.83	ng	0.01
7) Phenol-d6	7.22	99	80230	39.69	ng	0.01
23) Nitrobenzene-d5	9.24	82	192604	89.38	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	165826	161.22	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	515755	94.80	ng	0.00
79) Terphenyl-d14	20.05	244	795852	104.87	ng	0.00

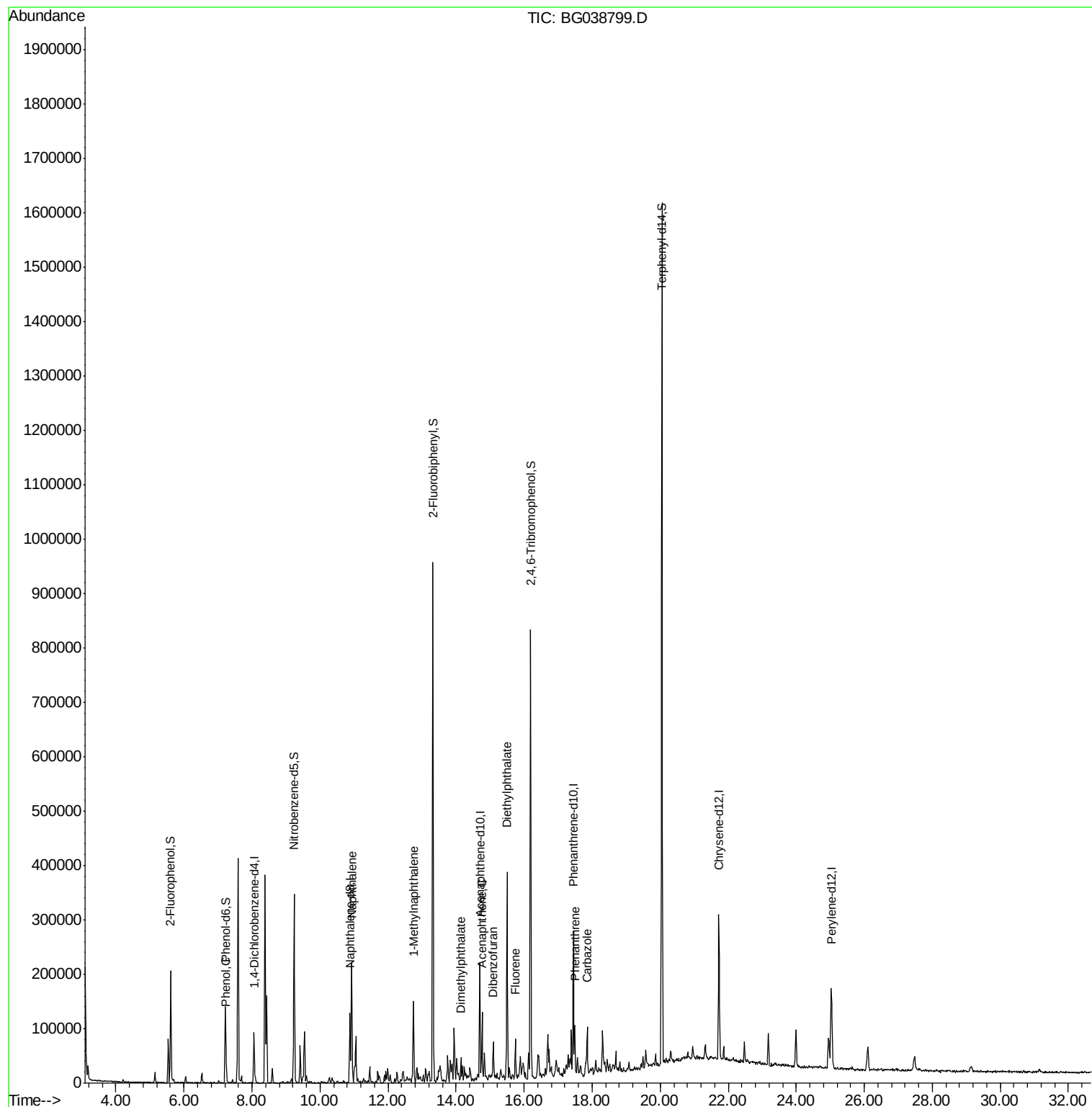
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	10764	5.012	ng	90
31) Naphthalene	10.93	128	191972	35.391	ng	99
38) 1-Methylnaphthalene	12.75	142	69750	18.574	ng	99
50) Dimethylphthalate	14.14	163	26271	4.311	ng	98
52) Acenaphthene	14.76	154	43581	10.088	ng	94
55) Dibenzofuran	15.09	168	43868	5.924	ng	95
58) Fluorene	15.74	166	28563	5.206	ng	97
60) Diethylphthalate	15.50	149	214880	32.117	ng	99
71) Phenanthrene	17.49	178	58471	6.736	ng	98
73) Carbazole	17.85	167	55860	6.592	ng	98

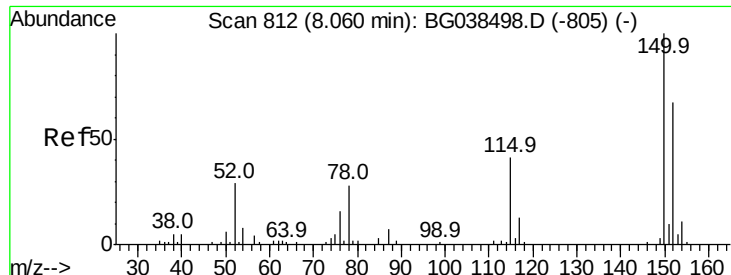
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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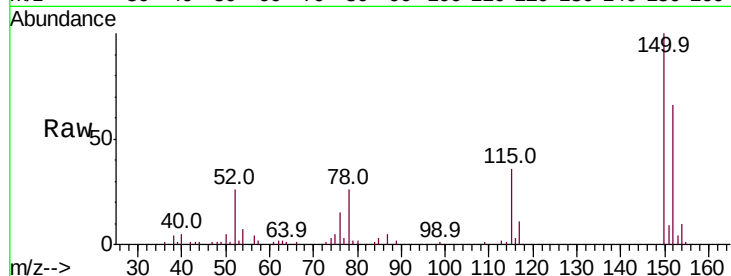


#1

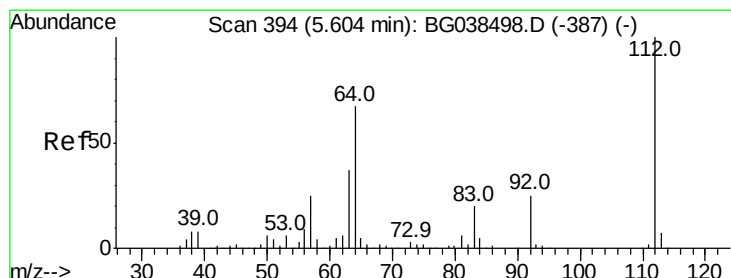
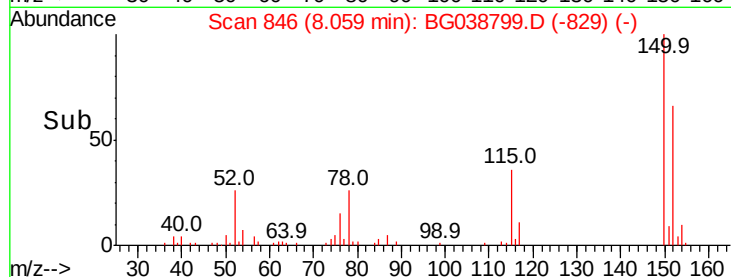
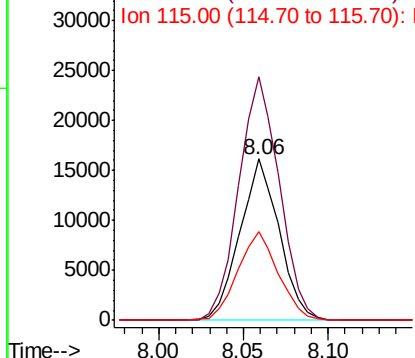
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:152 Resp: 26117
Ion Ratio Lower Upper
152 100
150 150.7 119.5 179.3
115 54.8 49.6 74.4



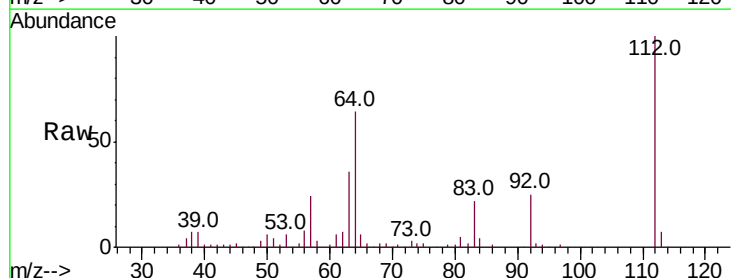
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



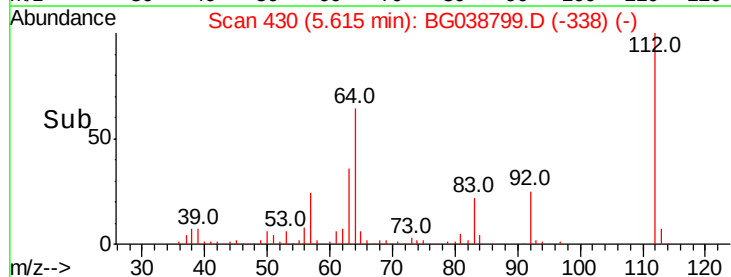
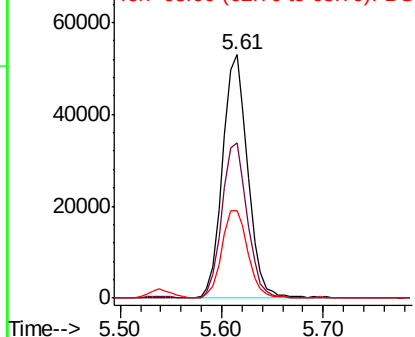
#5

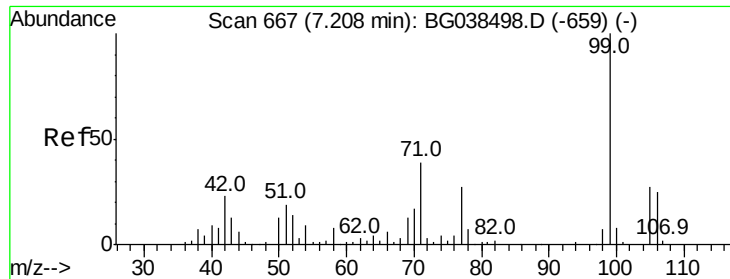
2-Fluorophenol
Concen: 61.831 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Tgt Ion:112 Resp: 91046
Ion Ratio Lower Upper
112 100
64 63.6 53.4 80.2
63 36.1 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 39.689 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

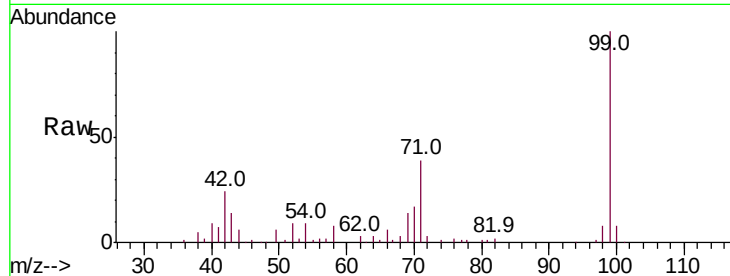
Tot Ion: 99 Resp: 80230

Ion Ratio Lower Upper

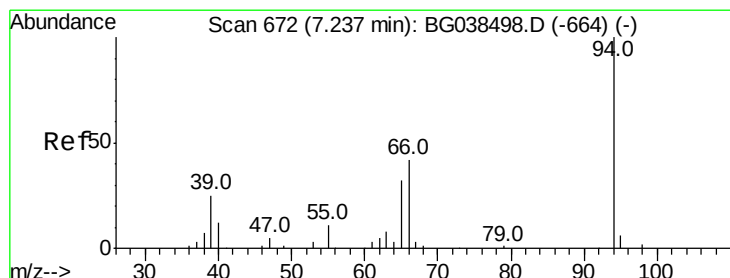
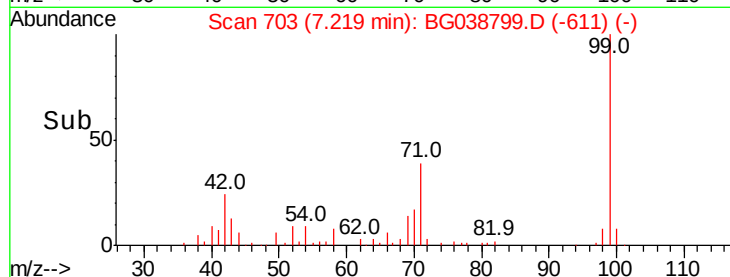
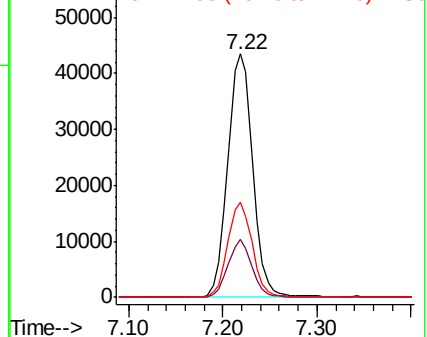
99 100

42 23.6 18.5 27.7

71 39.3 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: 5.012 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

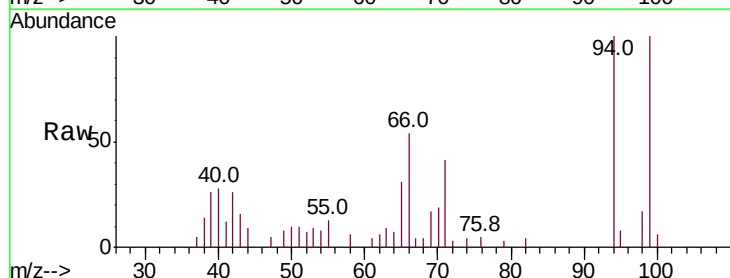
Tgt Ion: 94 Resp: 10764

Ion Ratio Lower Upper

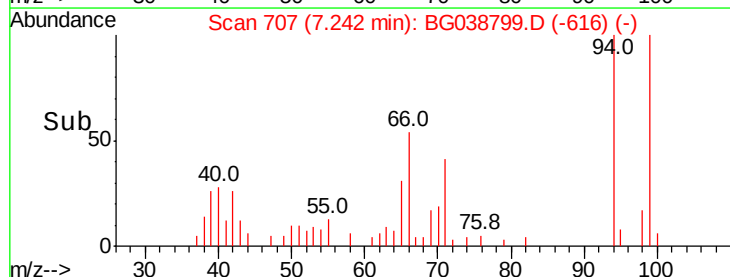
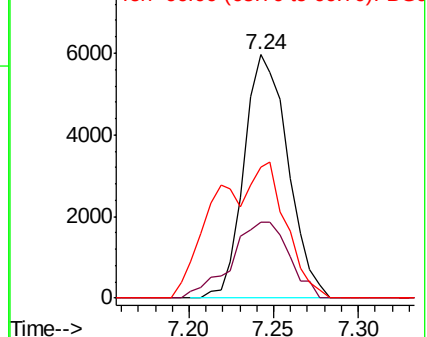
94 100

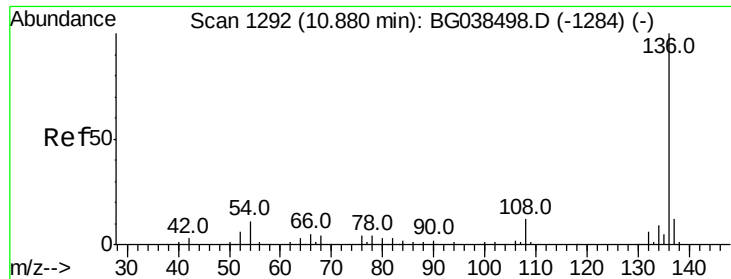
65 31.0 12.6 52.6

66 53.8 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

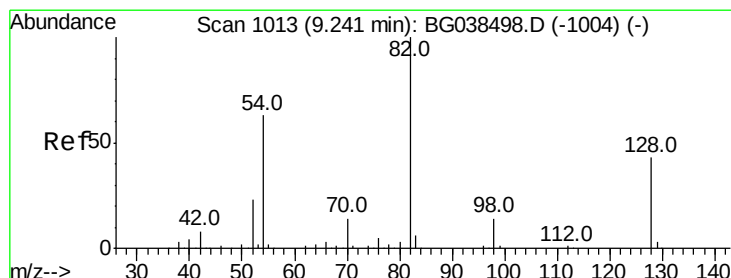
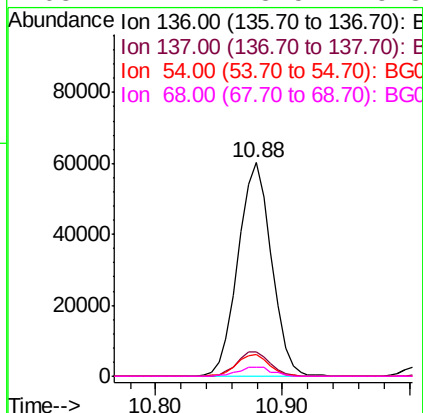
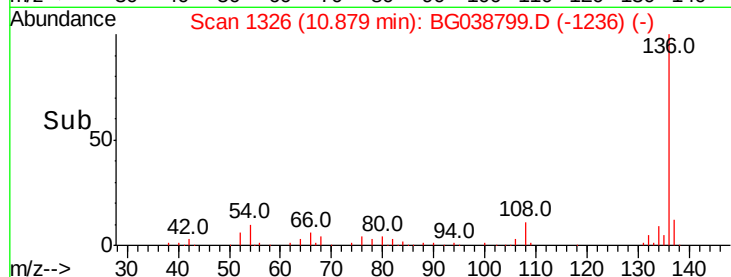
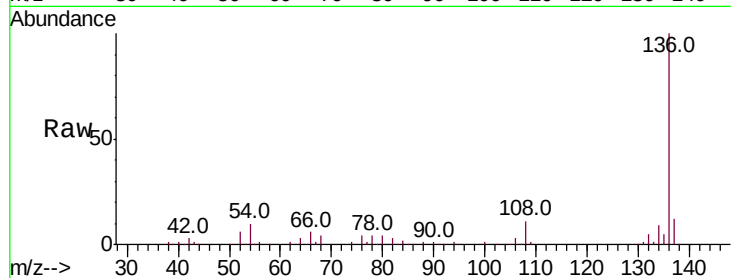




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

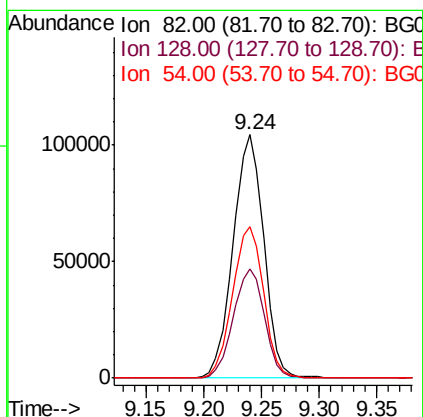
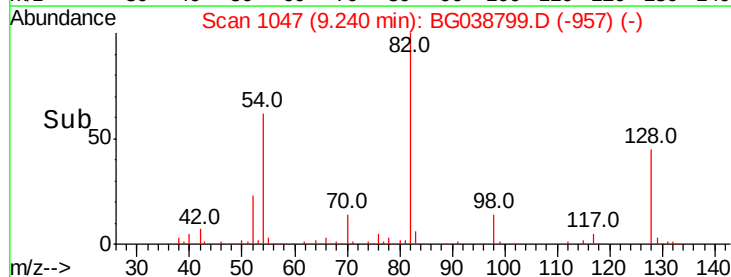
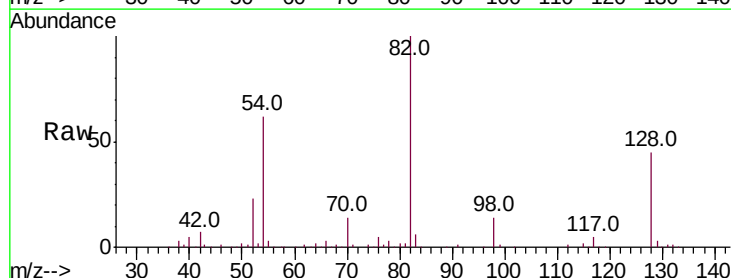
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

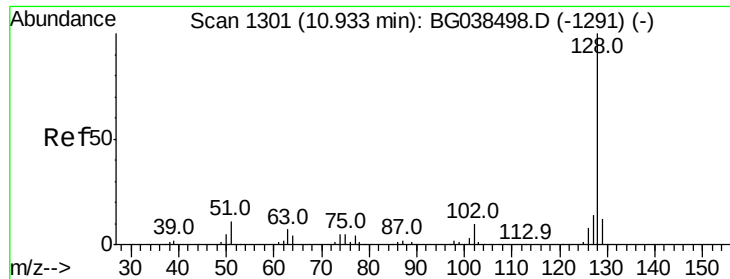
Tot Ion:136	Resp:	110092
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.3 13.9
54	10.2	8.5 12.7
68	4.4	3.5 5.3



#23
Nitrobenzene-d5
Concen: 89.376 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Tgt Ion: 82	Resp:	192604
Ion	Ratio	Lower Upper
82	100	
128	45.0	34.6 52.0
54	62.1	50.6 76.0

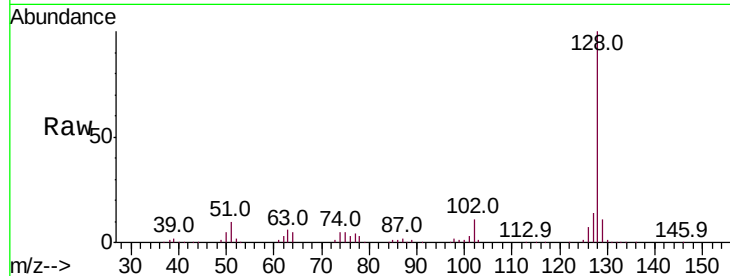




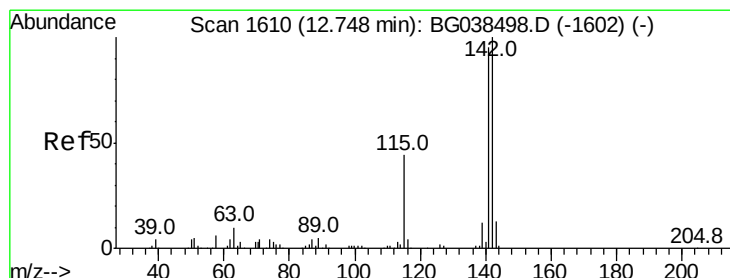
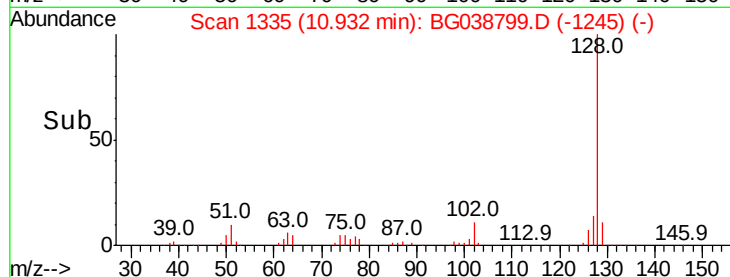
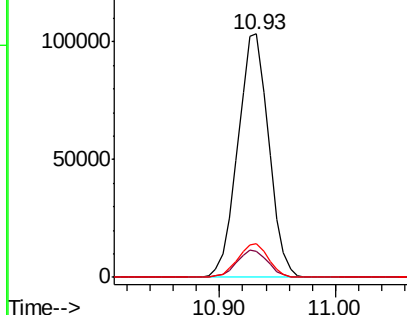
#31
Naphthalene
Concen: 35.391 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:128 Resp: 191972
Ion Ratio Lower Upper
128 100
129 10.8 9.5 14.3
127 13.6 10.9 16.3

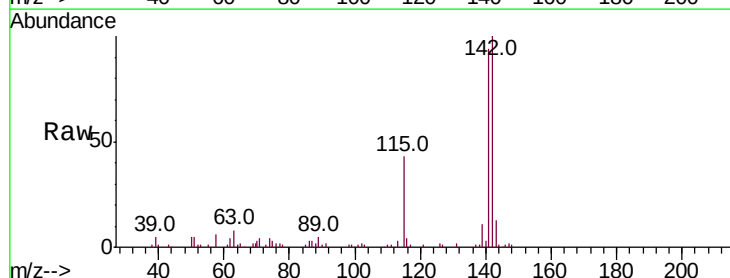


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

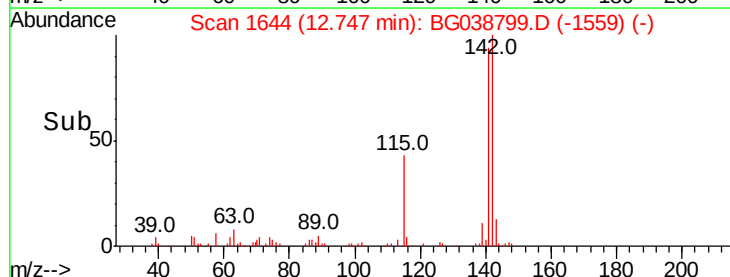
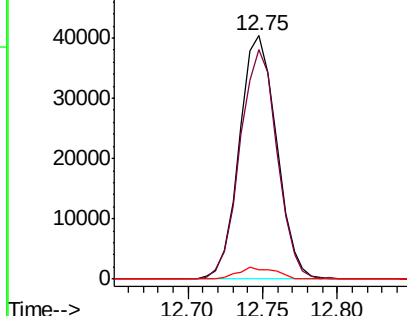


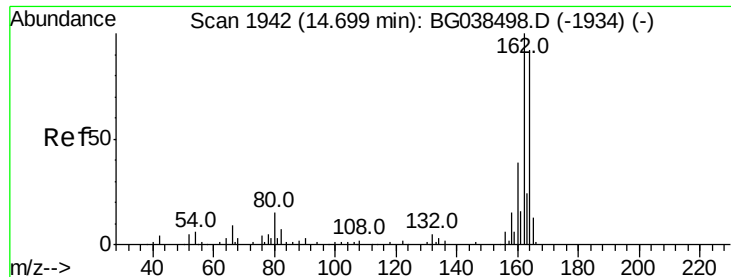
#38
1-Methylnaphthalene
Concen: 18.574 ng
RT: 12.75 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Tgt Ion:142 Resp: 69750
Ion Ratio Lower Upper
142 100
141 94.2 75.8 113.8
116 3.9 3.6 5.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

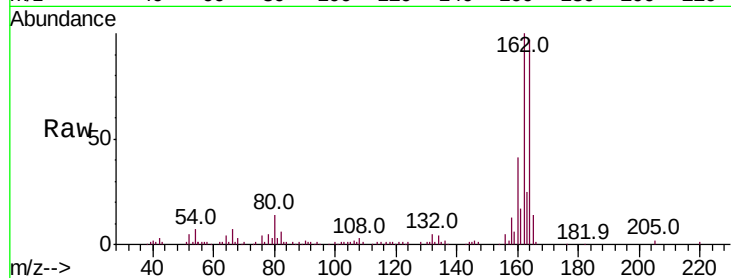
Tot Ion:164 Resp: 74631

Ion Ratio Lower Upper

164 100

162 103.2 86.6 130.0

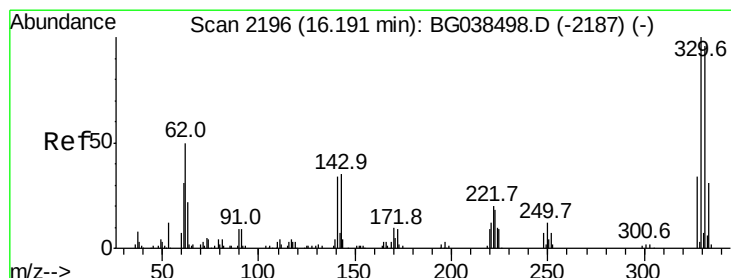
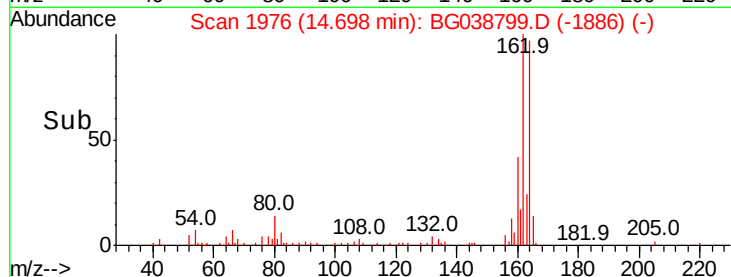
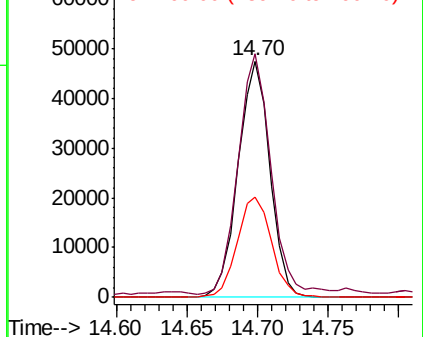
160 42.8 34.2 51.2



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: 161.223 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

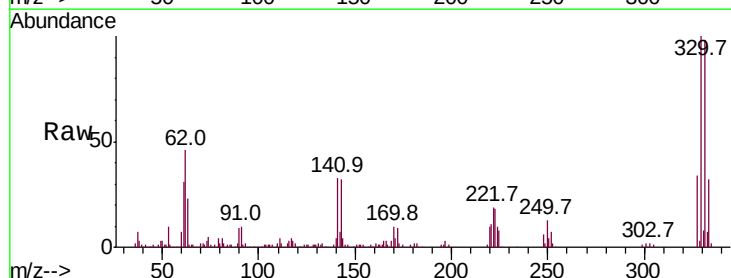
Tgt Ion:330 Resp: 165826

Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

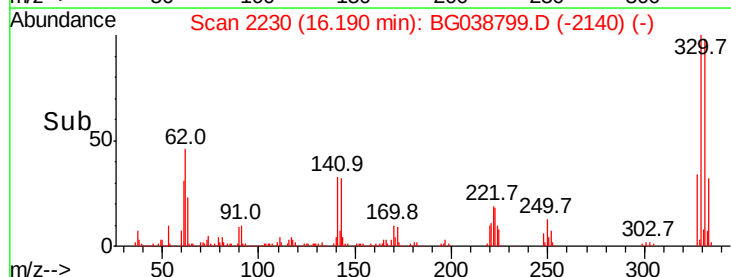
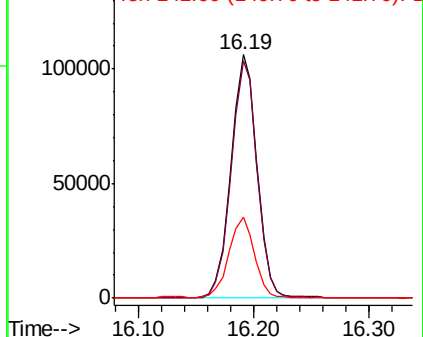
141 33.0 28.8 43.2

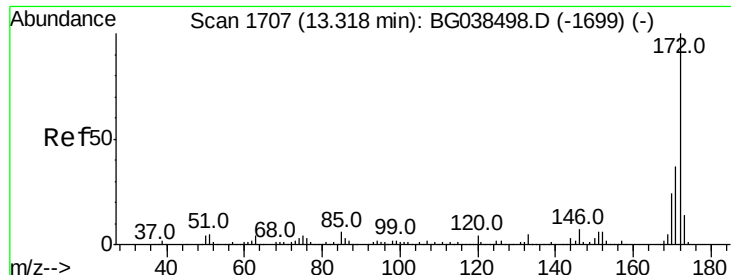


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

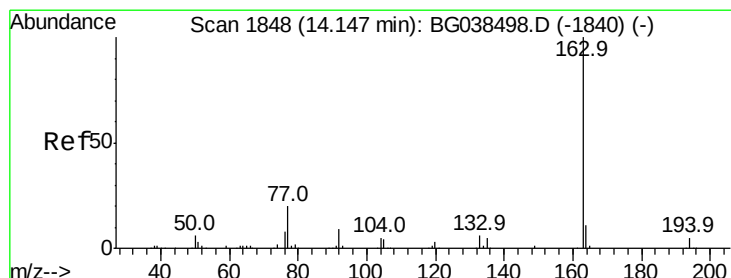
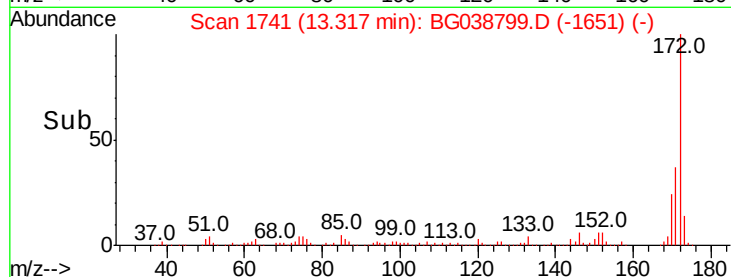
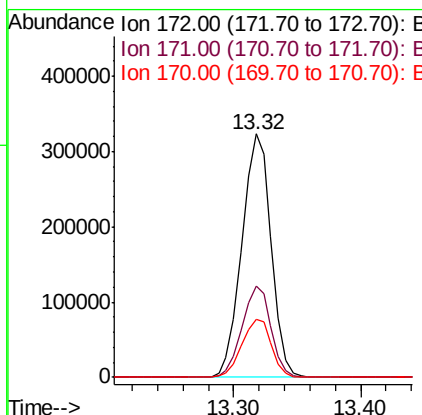
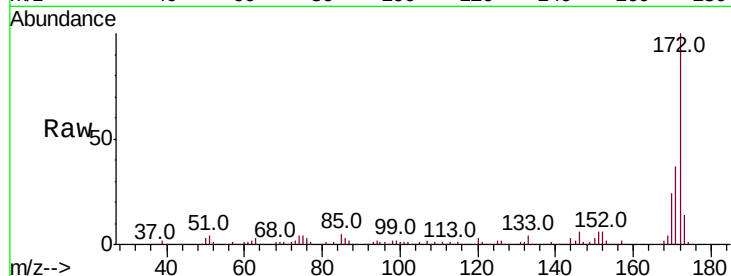




#45
2-Fluorobiphenyl
Concen: 94.805 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

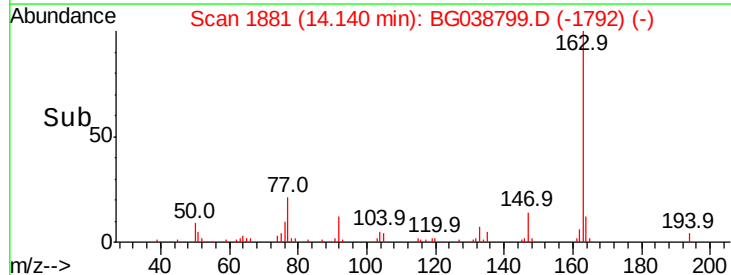
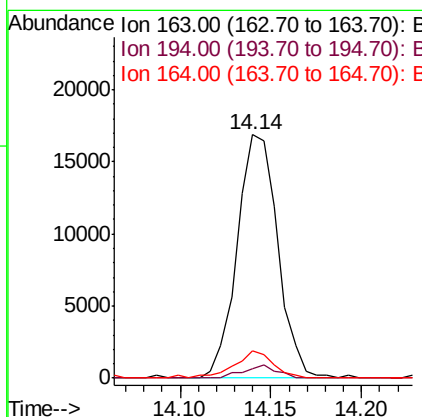
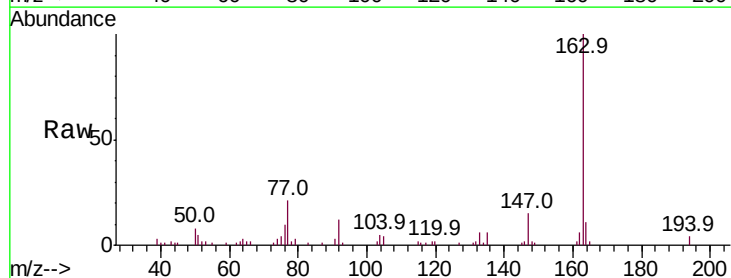
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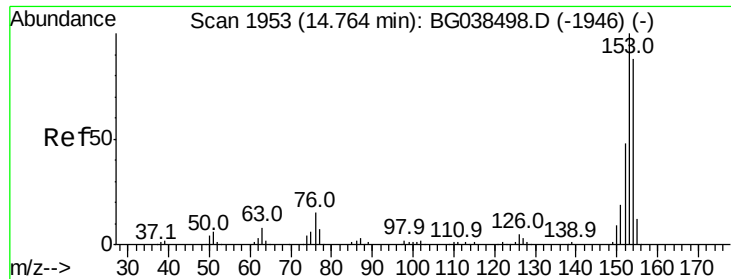
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	23.8	19.5	29.3



#50
Dimethylphthalate
Concen: 4.311 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038799.D
Acq: 21 Dec 2018 23:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.7	5.5
164	11.4	8.6	12.8





#52

Acenaphthene

Concen: 10.088 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

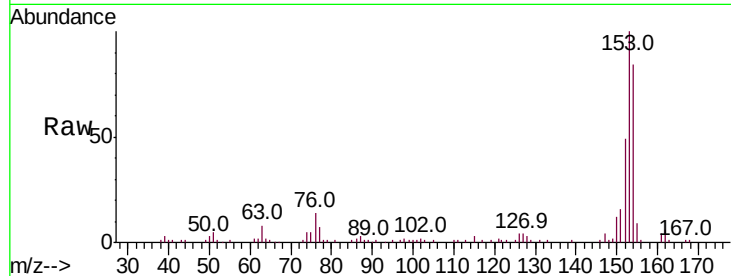
BNA_G

ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:154 Resp: 43581

Ion	Ratio	Lower	Upper
154	100		
153	119.3	90.6	136.0
152	58.6	43.5	65.3

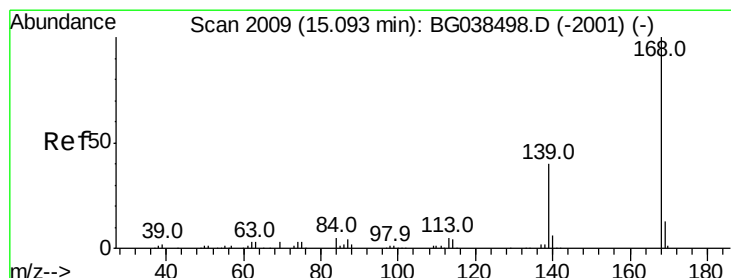
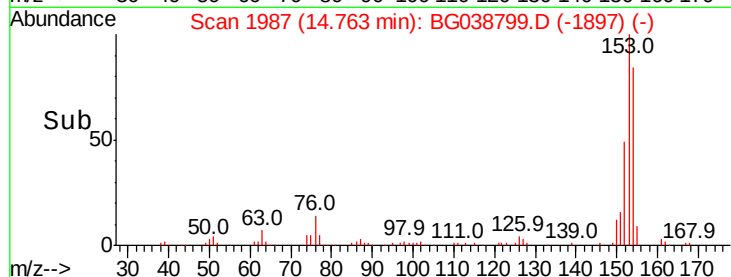
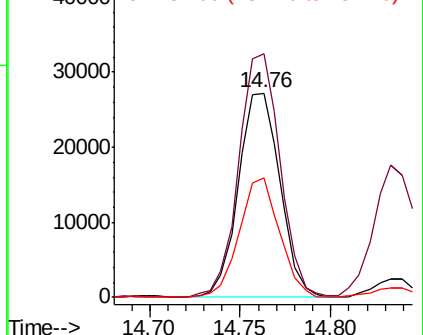


Abundance

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

Dibenzofuran

Concen: 5.924 ng

RT: 15.09 min Scan# 2043

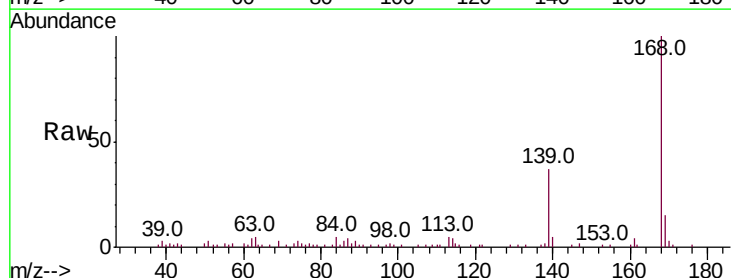
Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Tgt Ion:168 Resp: 43868

Ion	Ratio	Lower	Upper
168	100		
139	37.0	32.2	48.2
169	15.4	10.6	16.0

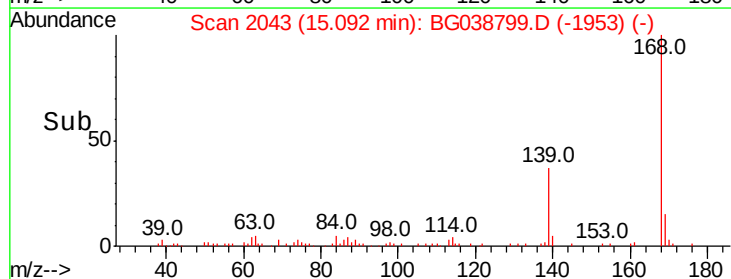
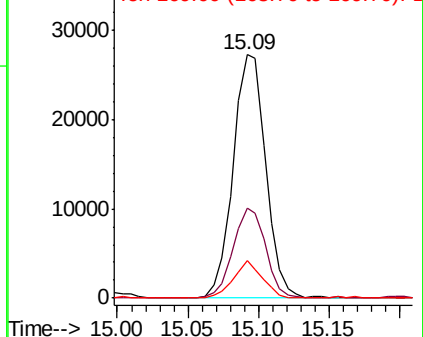


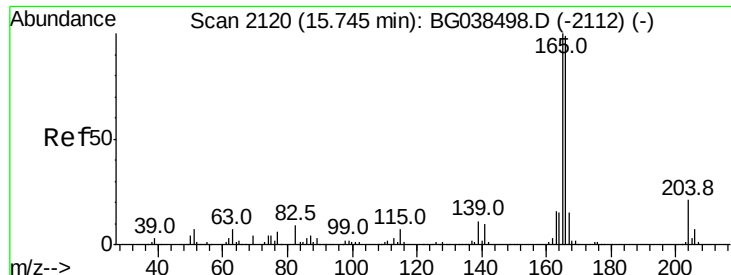
Abundance

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





#58

Fluorene

Concen: 5.206 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

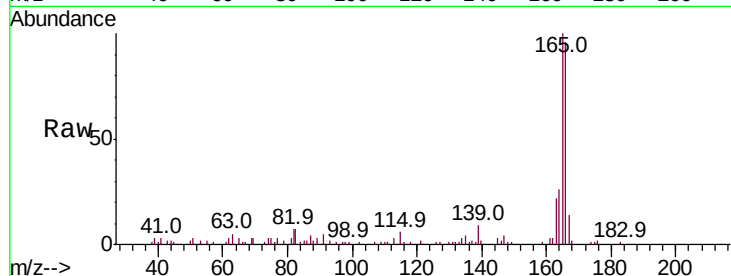
Tot Ion:166 Resp: 28563

Ion Ratio Lower Upper

166 100

165 104.5 80.6 120.8

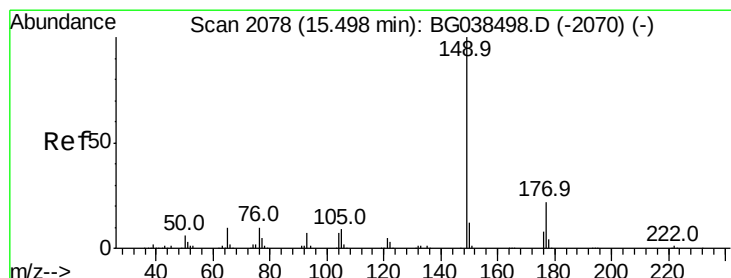
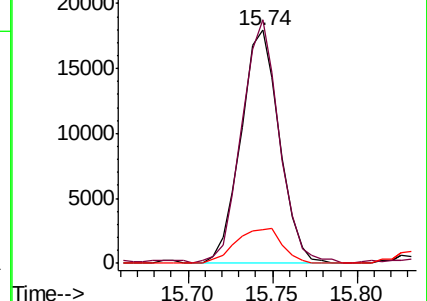
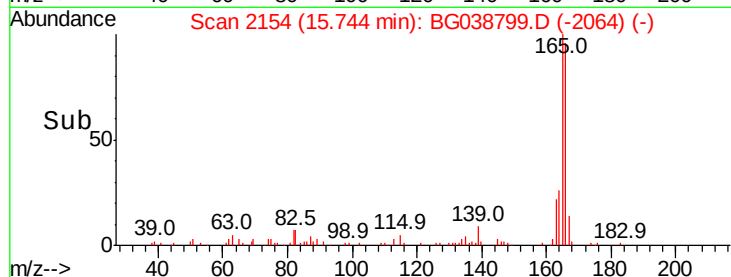
167 14.5 12.0 18.0



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



#60

Diethylphthalate

Concen: 32.117 ng

RT: 15.50 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

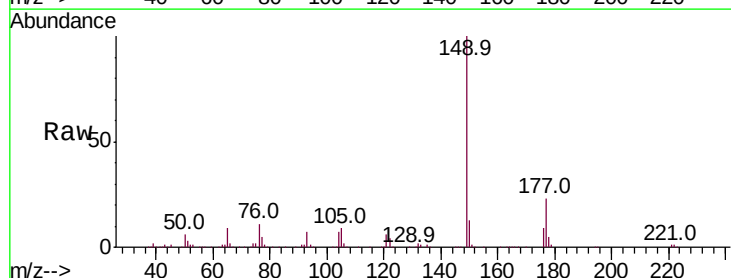
Tgt Ion:149 Resp: 214880

Ion Ratio Lower Upper

149 100

177 22.5 17.7 26.5

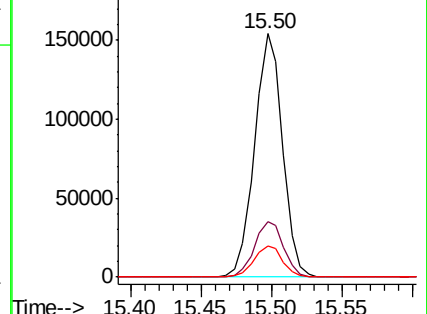
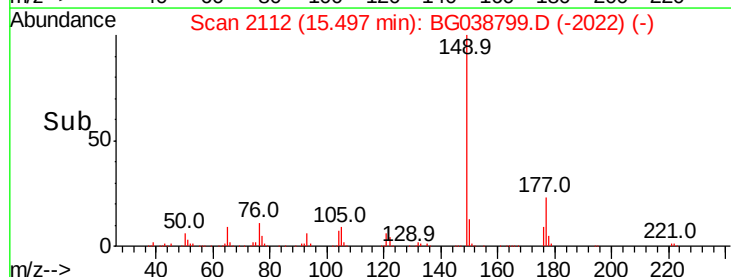
150 12.9 9.9 14.9

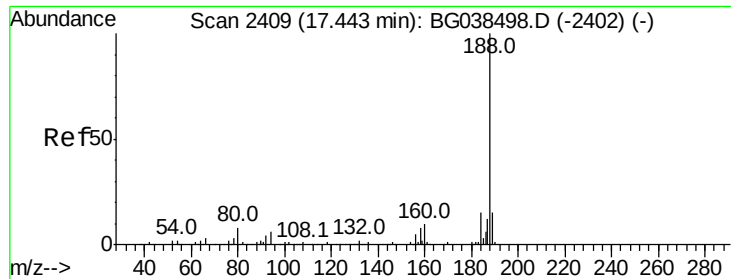


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

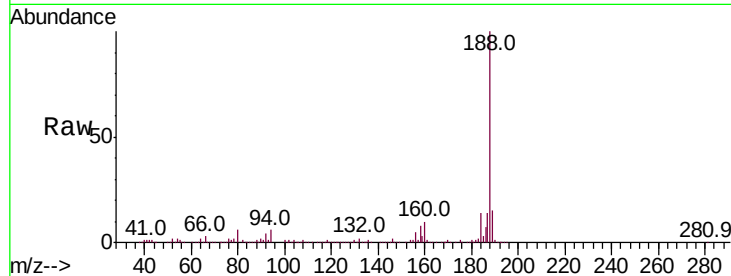
Tot Ion:188 Resp: 167382

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

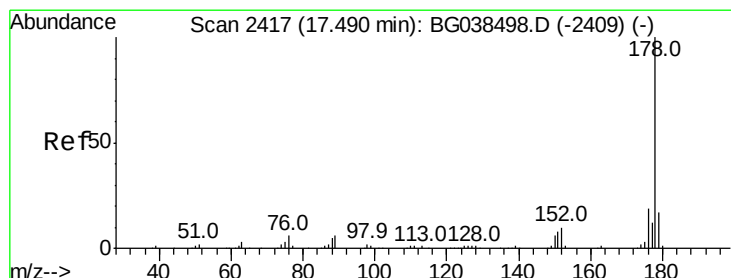
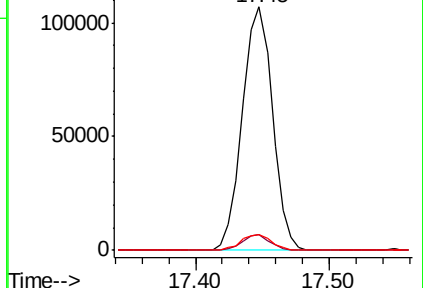
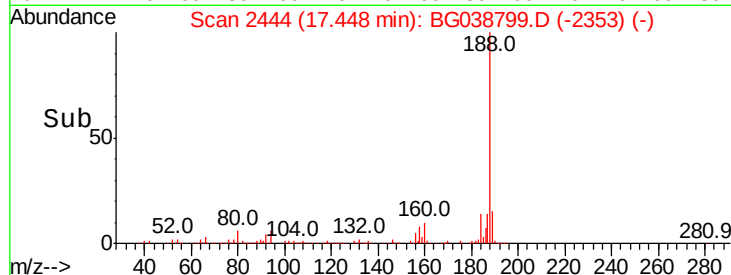
80 6.4 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#71

Phenanthrene

Concen: 6.736 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

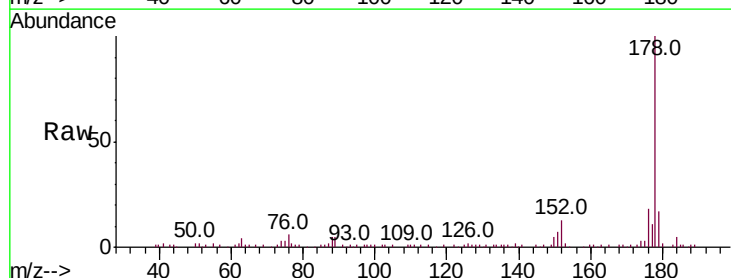
Tgt Ion:178 Resp: 58471

Ion Ratio Lower Upper

178 100

176 17.7 15.1 22.7

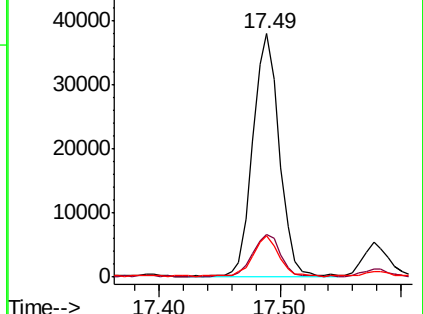
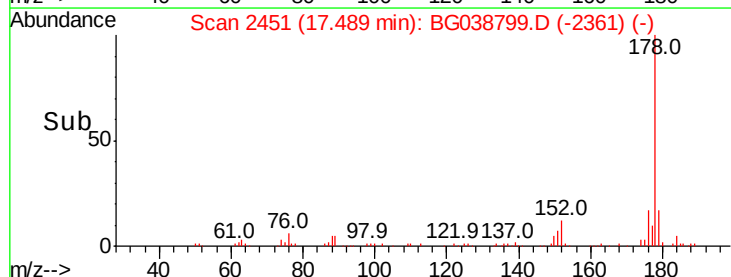
179 17.2 13.2 19.8

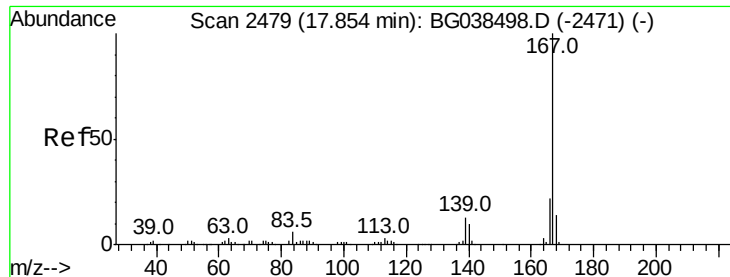


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 6.592 ng

RT: 17.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

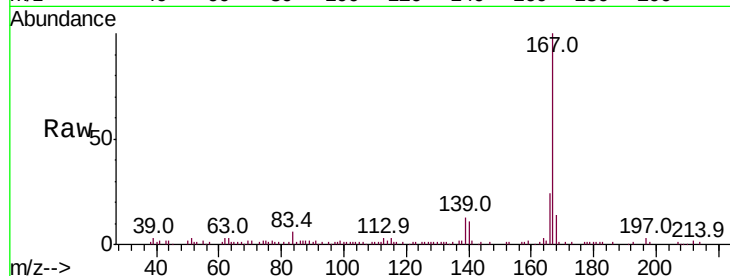
Tot Ion:167 Resp: 55860

Ion Ratio Lower Upper

167 100

166 23.5 17.9 26.9

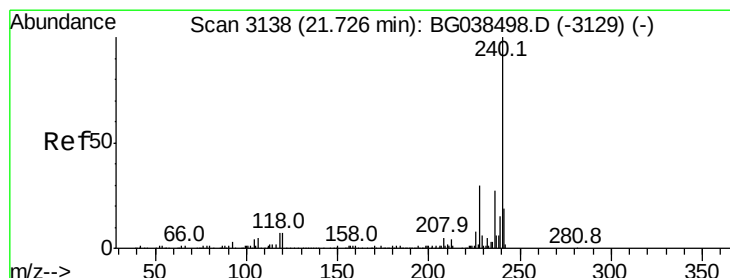
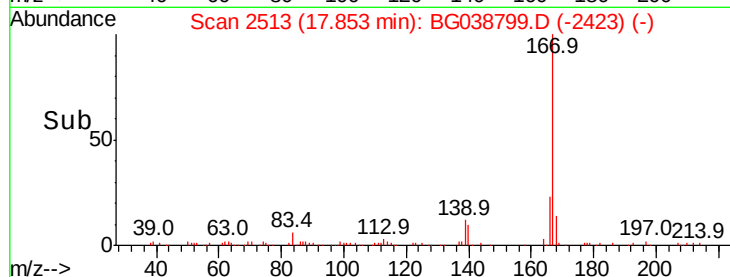
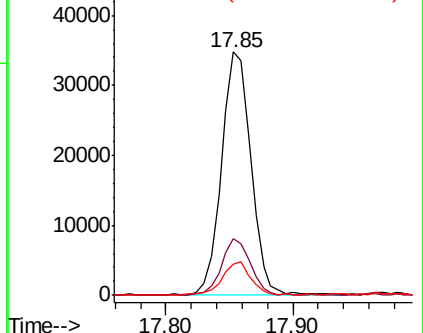
139 12.6 10.2 15.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BG038799.D

Acq: 21 Dec 2018 23:23

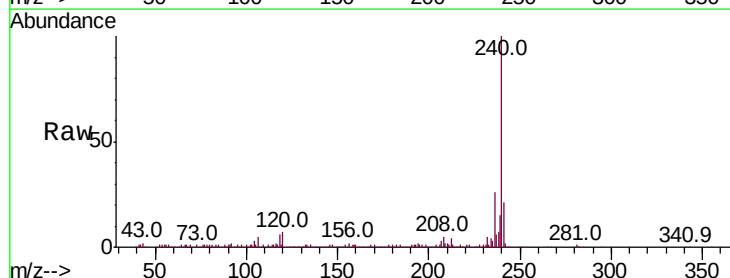
Tgt Ion:240 Resp: 165158

Ion Ratio Lower Upper

240 100

120 6.9 5.3 7.9

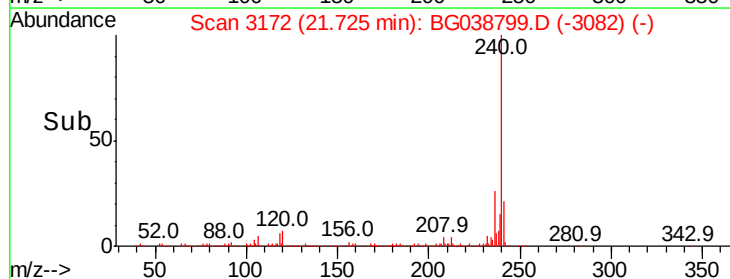
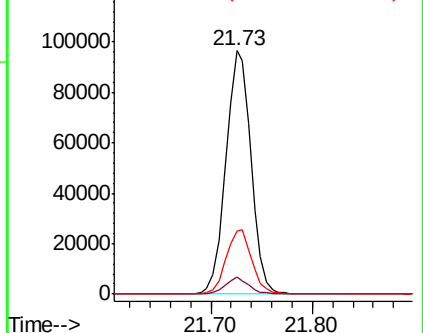
236 25.7 21.4 32.2

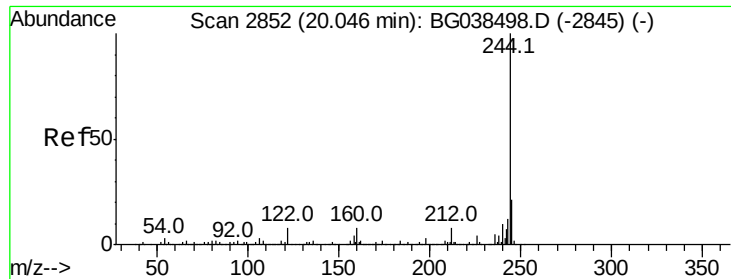


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

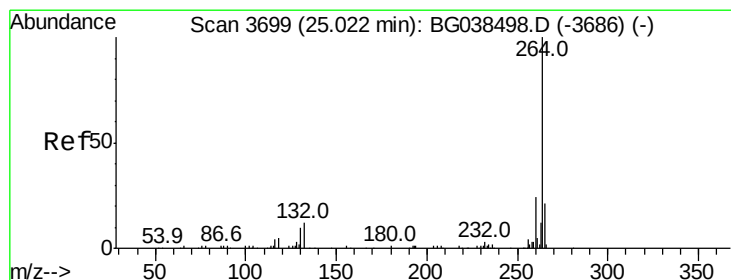
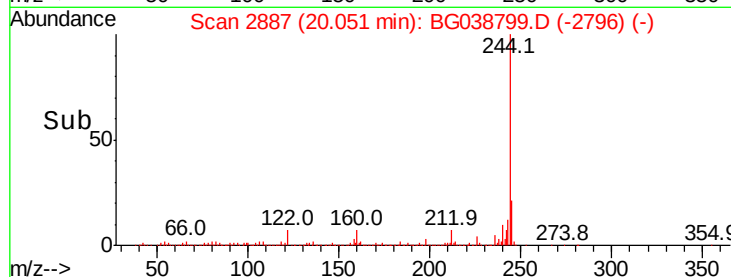
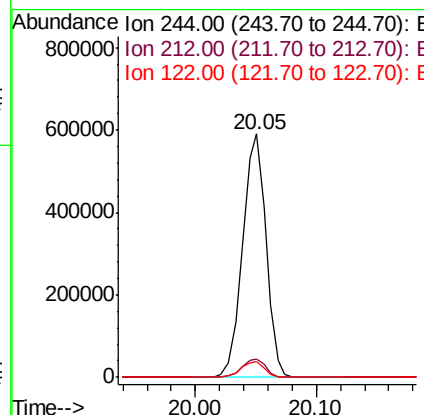
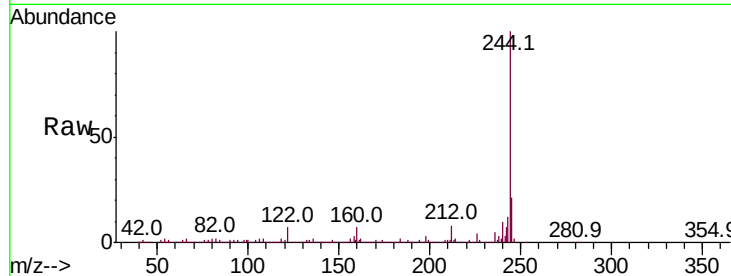




#79
 Terphenyl-d14
 Concen: 104.872 ng
 RT: 20.05 min Scan# 2887
 Delta R.T. 0.01 min
 Lab File: BG038799.D
 Acq: 21 Dec 2018 23:23

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	6.7	6.3	9.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3735
 Delta R.T. 0.01 min
 Lab File: BG038799.D
 Acq: 21 Dec 2018 23:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.9	28.3
265	22.8	17.0	25.4

