

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038684.D
 Acq On : 18 Dec 2018 5:34
 Operator : JU/SJ
 Sample : J6403-20
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

Quant Time: Dec 18 07:36:30 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

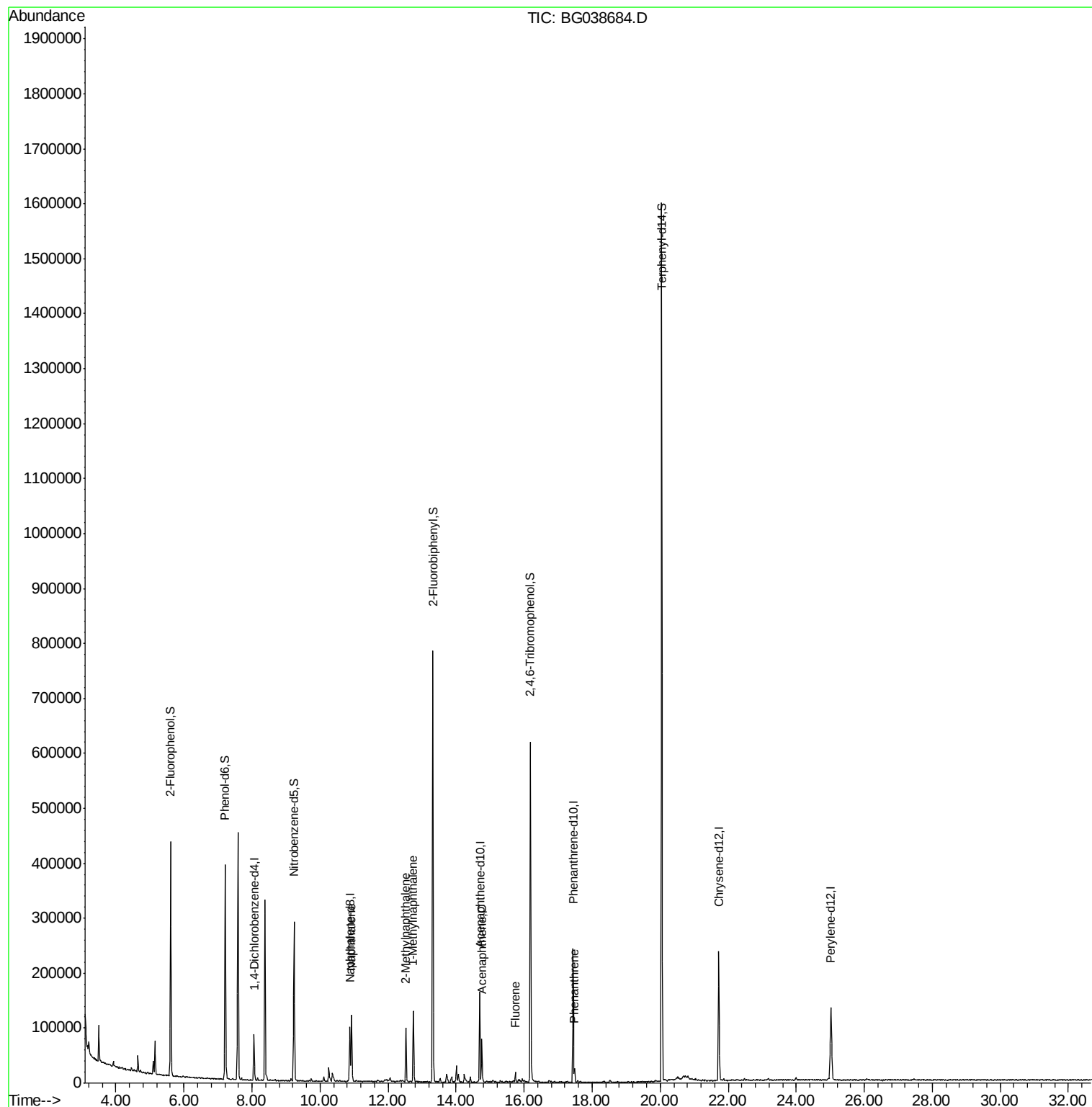
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22056	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	87533	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	58703	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	153418	20.00	ng	0.00
76) Chrysene-d12	21.72	240	152084	20.00	ng	0.00
87) Perylene-d12	25.03	264	169530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	171651	138.03	ng	0.00
7) Phenol-d6	7.21	99	206156	120.76	ng	0.00
23) Nitrobenzene-d5	9.24	82	170245	99.36	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	125177	154.72	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	402473	94.06	ng	0.00
79) Terphenyl-d14	20.04	244	766766	109.72	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.93	128	103828	24.074	ng	98
37) 2-Methylnaphthalene	12.53	142	48054	15.618	ng	98
38) 1-Methylnaphthalene	12.75	142	62737	21.013	ng	98
52) Acenaphthene	14.76	154	30520	8.981	ng	92
58) Fluorene	15.74	166	9278	2.150	ng	96
71) Phenanthrene	17.48	178	17590	2.211	ng	98

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

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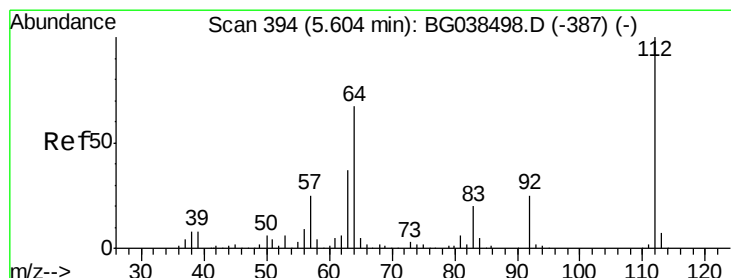
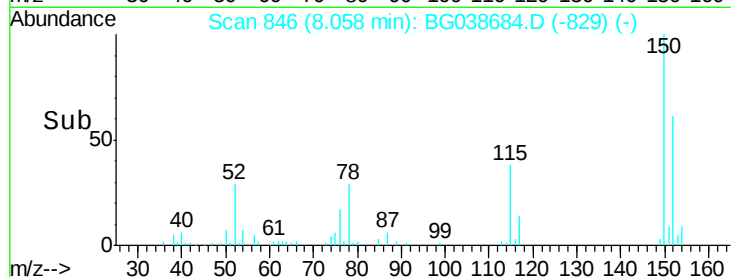
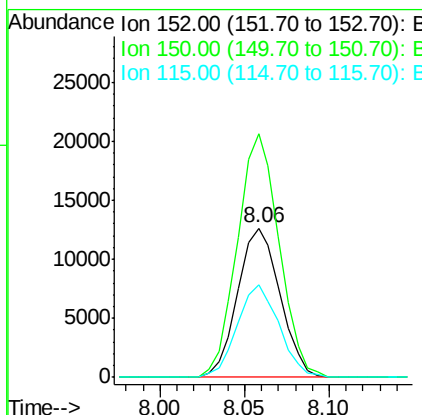
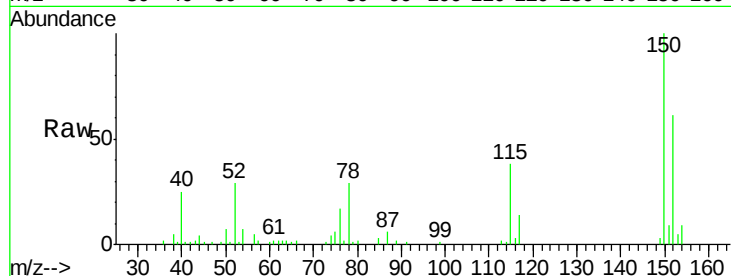




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

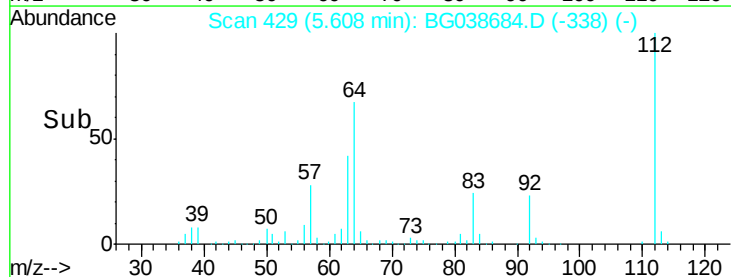
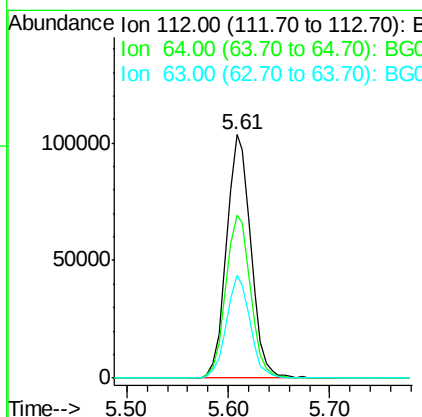
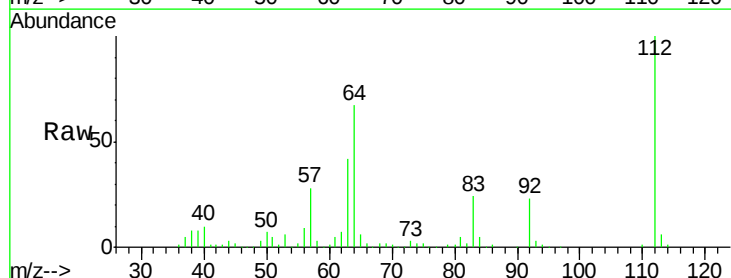
Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

Tgt Ion:152 Resp: 22056
 Ion Ratio Lower Upper
 152 100
 150 162.9 119.5 179.3
 115 62.2 49.6 74.4



#5
 2-Fluorophenol
 Concen: 138.035 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion:112 Resp: 171651
 Ion Ratio Lower Upper
 112 100
 64 67.1 53.4 80.2
 63 42.1 29.3 43.9





#7

Phenol-d6

Concen: 120.761 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

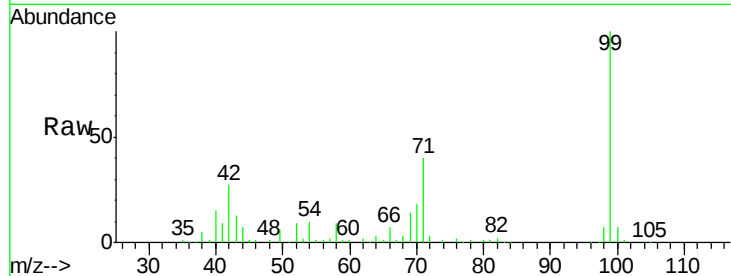
Tgt Ion: 99 Resp: 206156

Ion Ratio Lower Upper

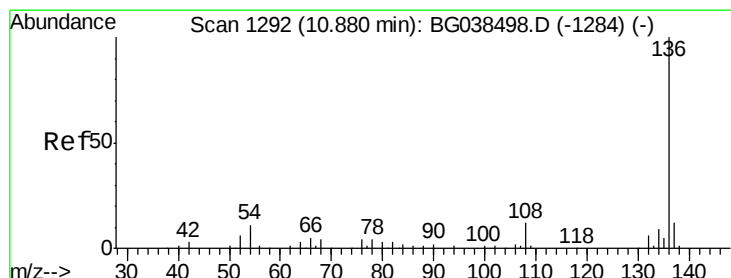
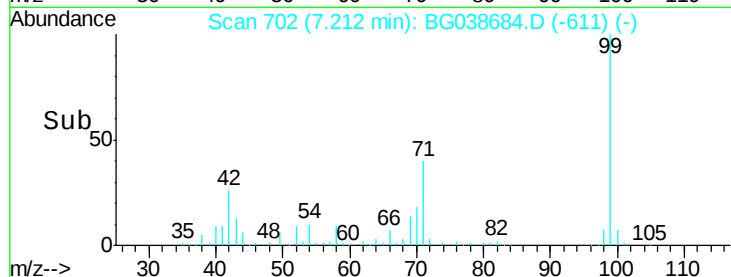
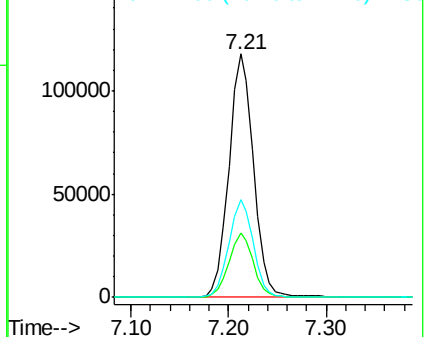
99 100

42 26.5 18.5 27.7

71 40.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Tgt Ion: 136 Resp: 87533

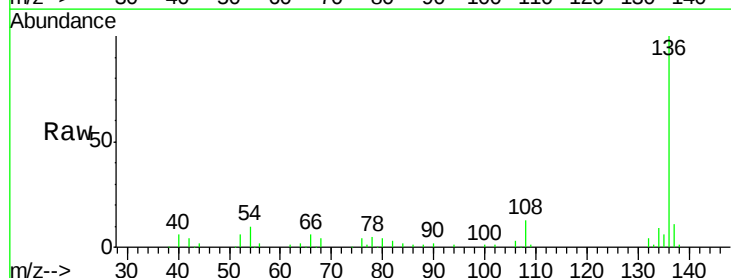
Ion Ratio Lower Upper

136 100

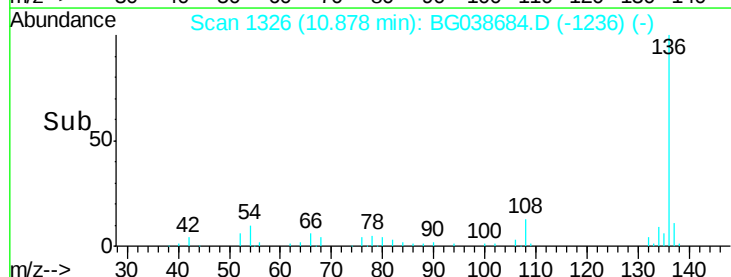
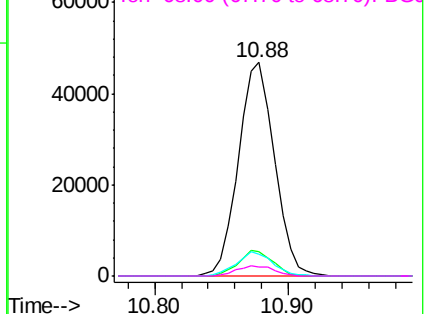
137 11.2 9.3 13.9

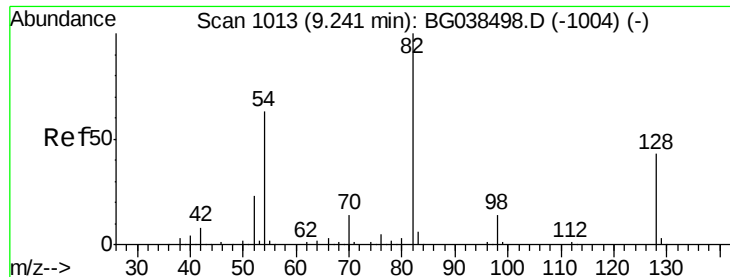
54 10.1 8.5 12.7

68 4.3 3.5 5.3



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

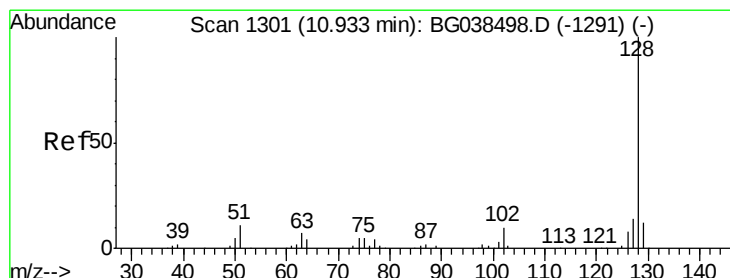
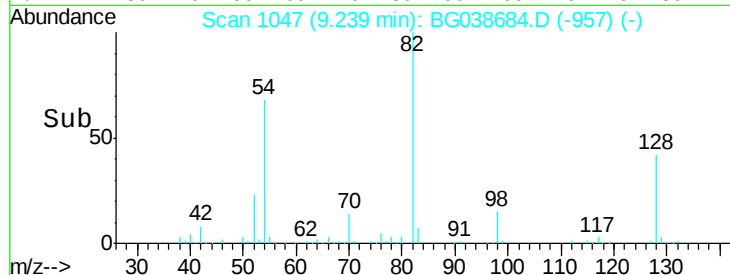
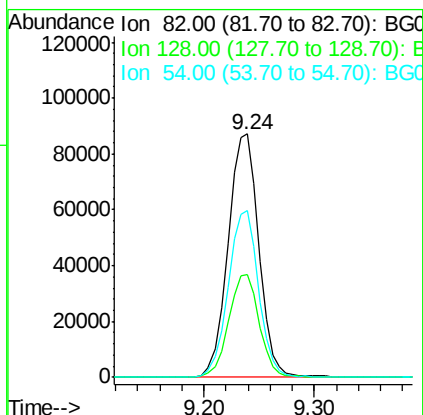
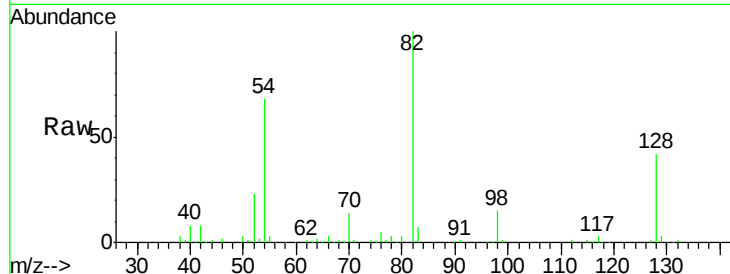




#23
 Nitrobenzene-d5
 Concen: 99.361 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

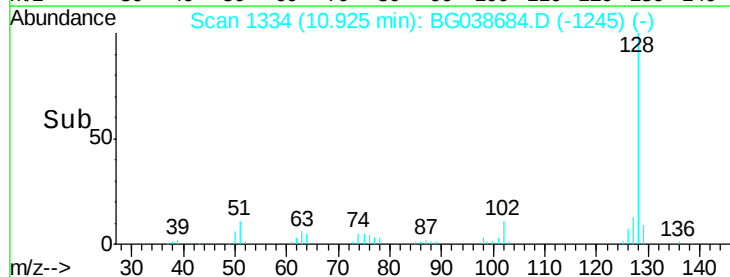
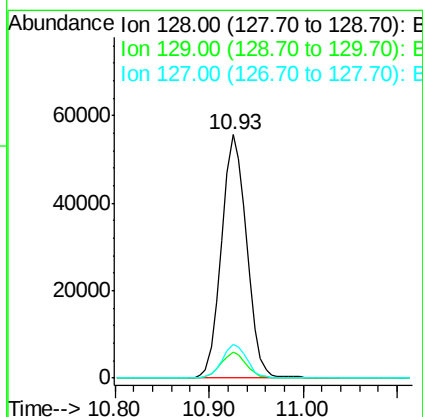
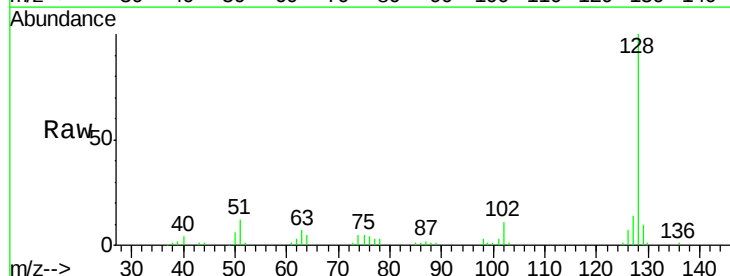
Instrument :
 BNA_G
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 TP-3-A

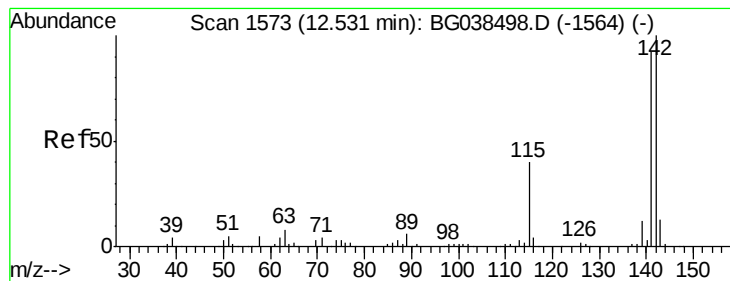
Tgt Ion: 82 Resp: 170245
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 52.0
 54 68.5 50.6 76.0



#31
 Naphthalene
 Concen: 24.074 ng
 RT: 10.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion: 128 Resp: 103828
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.5 14.3
 127 13.8 10.9 16.3





#37

2-Methylnaphthalene

Concen: 15.618 ng

RT: 12.53 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

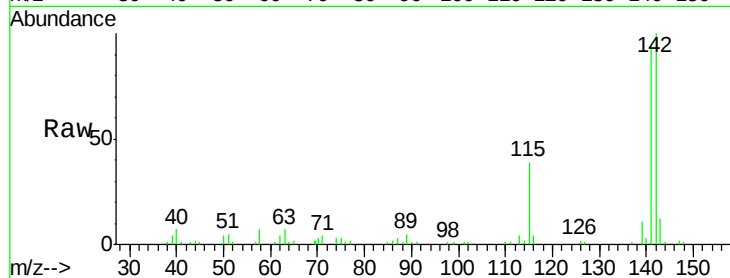
Tgt Ion:142 Resp: 48054

Ion Ratio Lower Upper

142 100

141 94.1 73.5 110.3

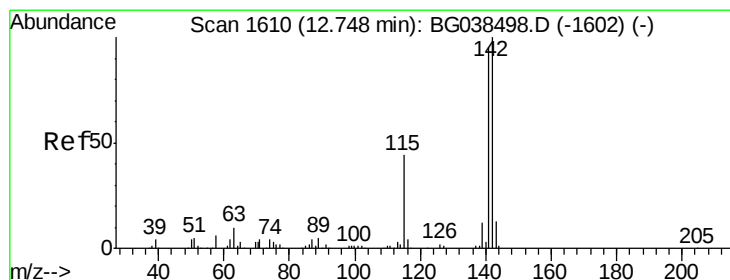
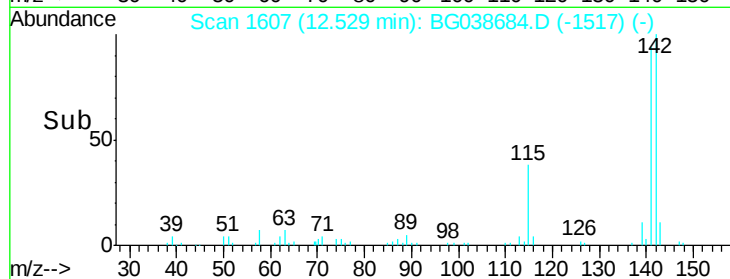
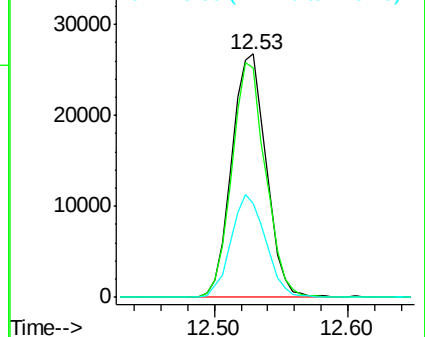
115 38.7 31.7 47.5



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

1-Methylnaphthalene

Concen: 21.013 ng

RT: 12.75 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

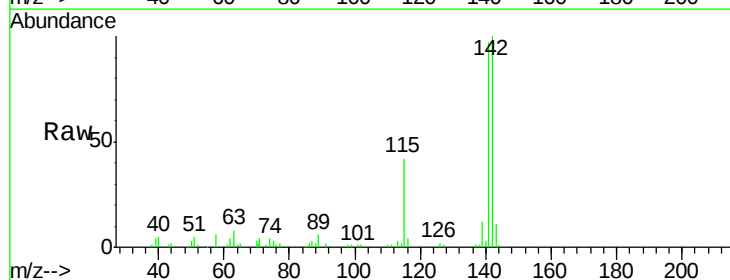
Tgt Ion:142 Resp: 62737

Ion Ratio Lower Upper

142 100

141 97.0 75.8 113.8

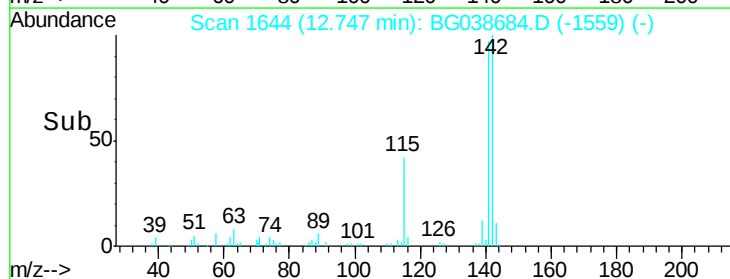
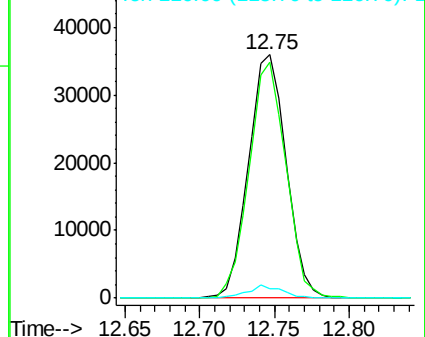
116 3.7 3.6 5.4

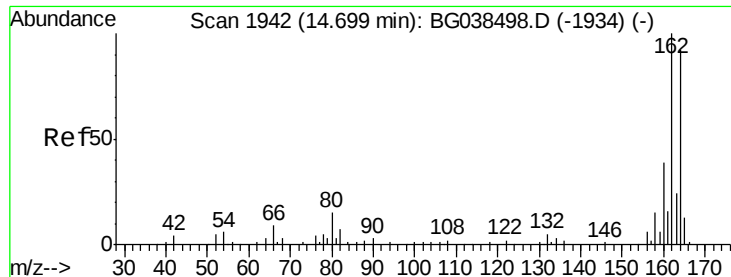


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampled :

TP-3-A

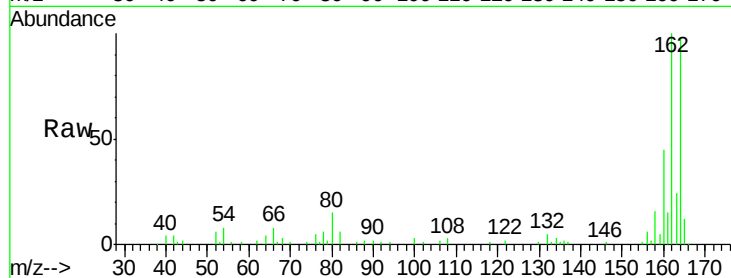
Tgt Ion:164 Resp: 58703

Ion Ratio Lower Upper

164 100

162 101.7 86.6 130.0

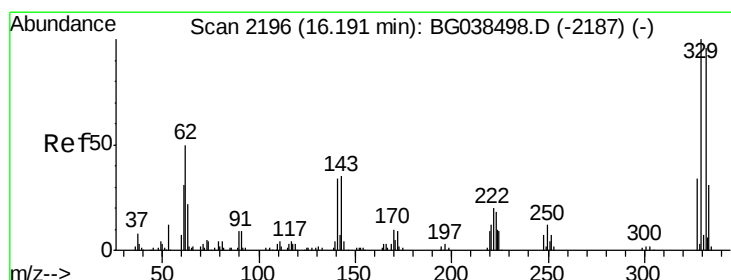
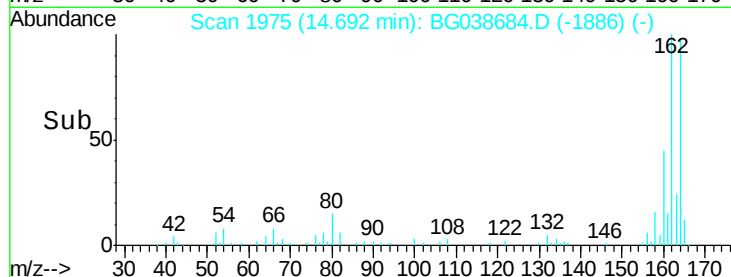
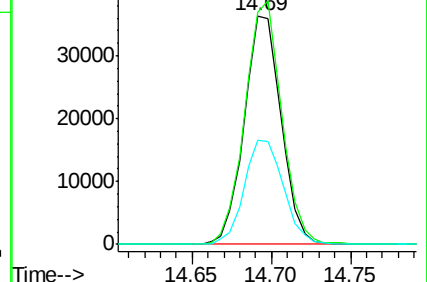
160 45.4 34.2 51.2



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: 154.724 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

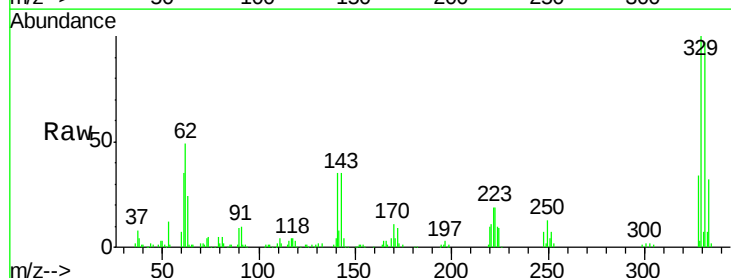
Tgt Ion:330 Resp: 125177

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

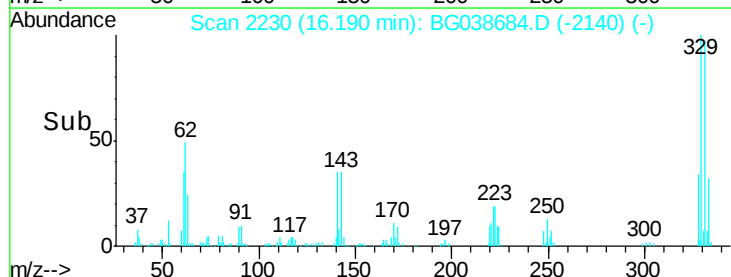
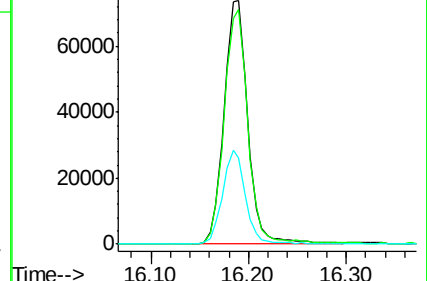
141 36.8 28.8 43.2

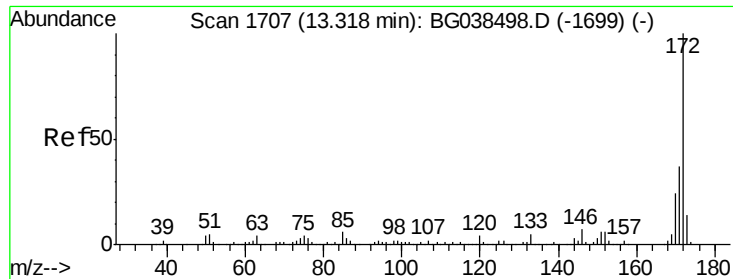


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

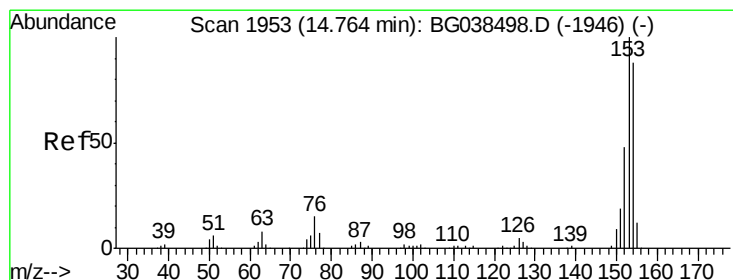
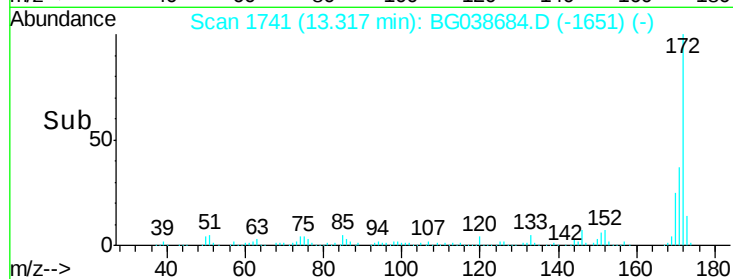
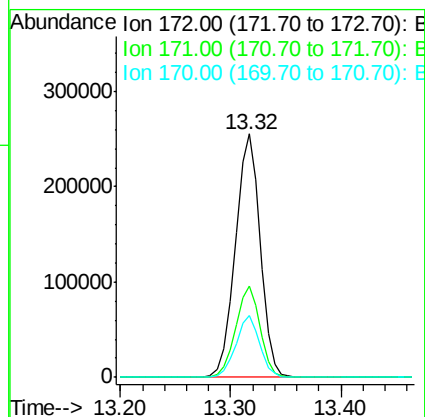
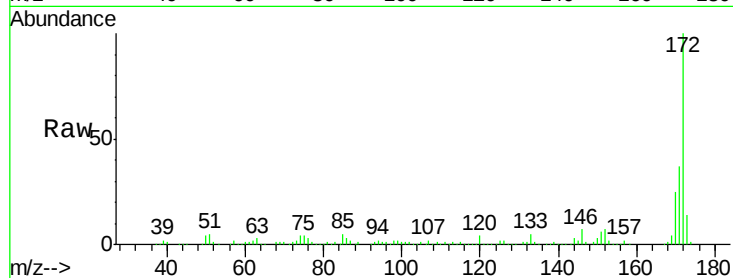




#45
 2-Fluorobiphenyl
 Concen: 94.055 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

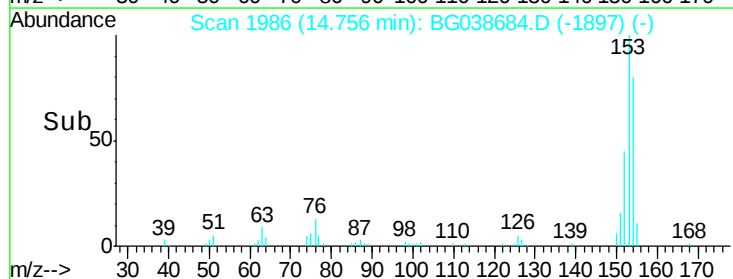
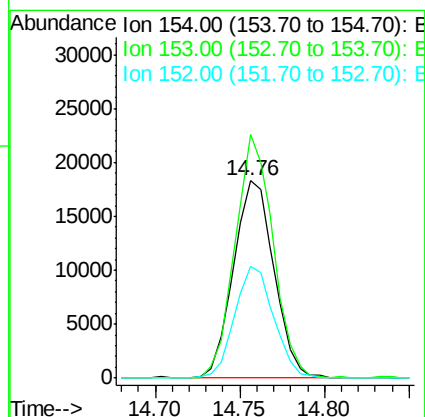
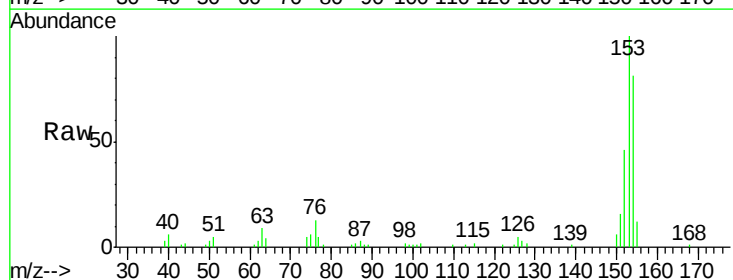
Instrument :
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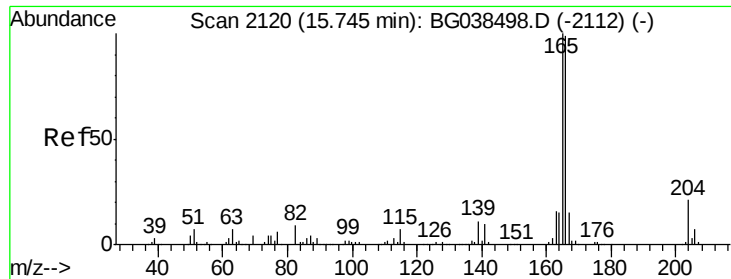
Tgt Ion:172 Resp: 402473
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 25.3 19.5 29.3



#52
 Acenaphthene
 Concen: 8.981 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion:154 Resp: 30520
 Ion Ratio Lower Upper
 154 100
 153 123.6 90.6 136.0
 152 56.7 43.5 65.3





#58

Fluorene

Concen: 2.150 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

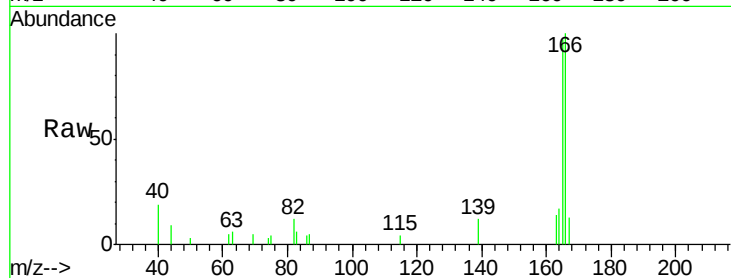
Tgt Ion:166 Resp: 9278

Ion Ratio Lower Upper

166 100

165 96.5 80.6 120.8

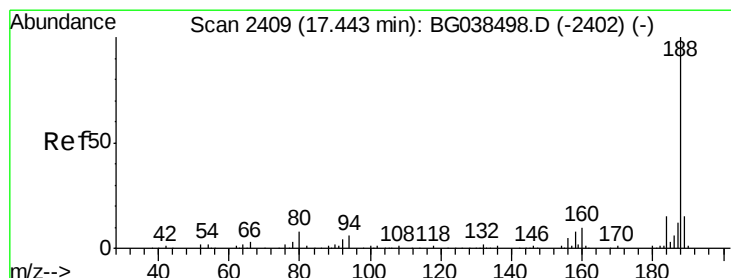
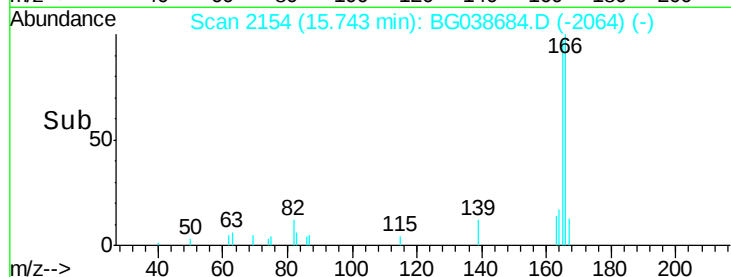
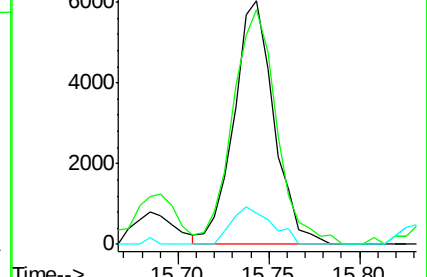
167 12.6 12.0 18.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

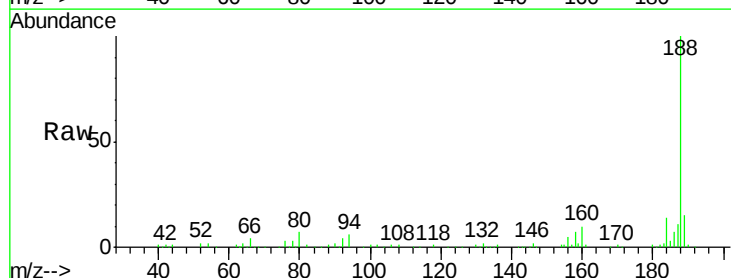
Tgt Ion:188 Resp: 153418

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

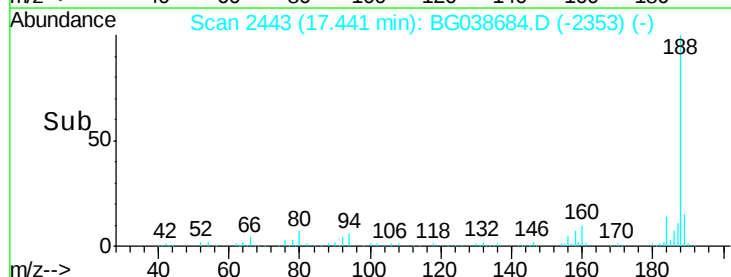
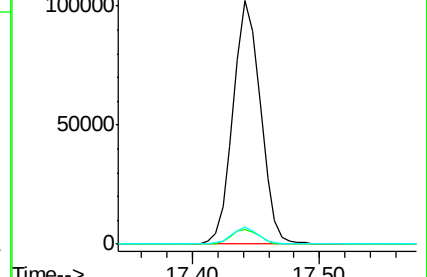
80 6.9 6.1 9.1

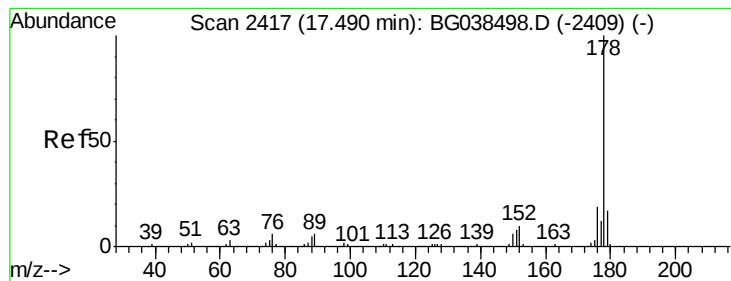


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#71

Phenanthrene

Concen: 2.211 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

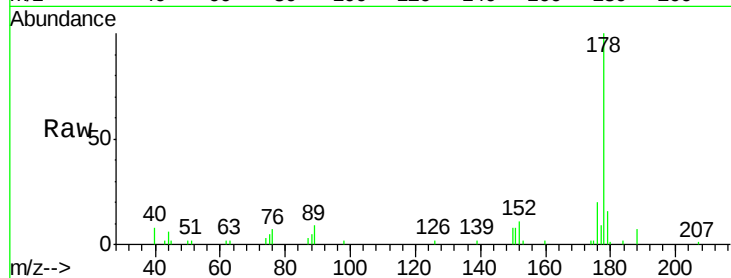
Tgt Ion:178 Resp: 17590

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

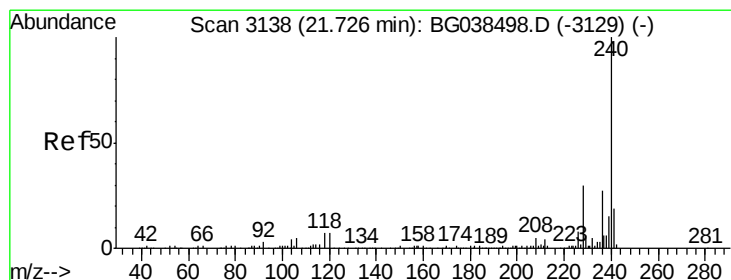
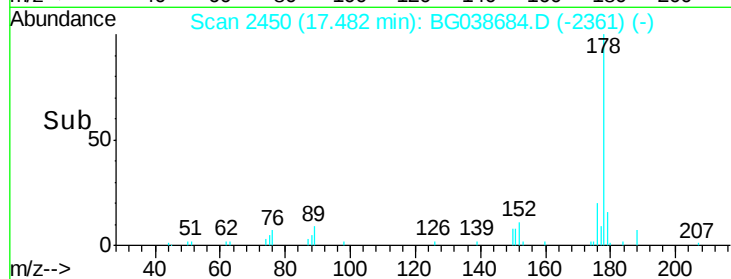
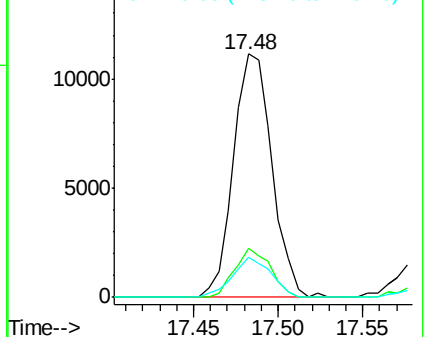
179 16.3 13.2 19.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

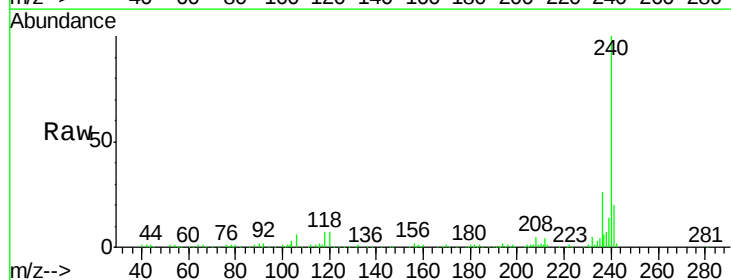
Tgt Ion:240 Resp: 152084

Ion Ratio Lower Upper

240 100

120 7.4 5.3 7.9

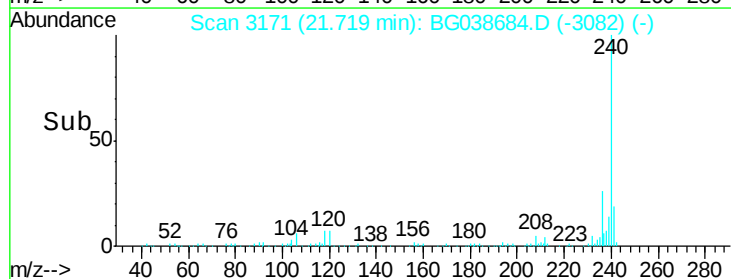
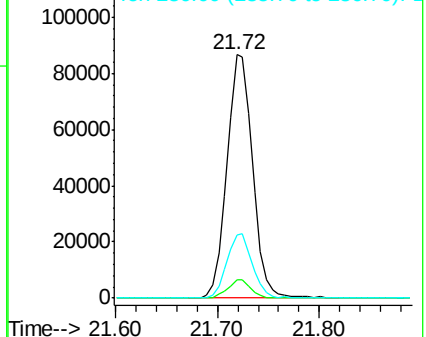
236 26.1 21.4 32.2

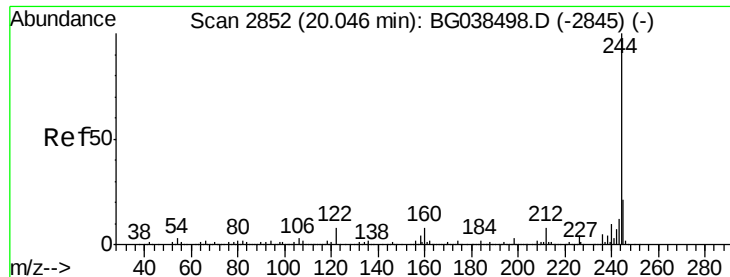


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 109.725 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

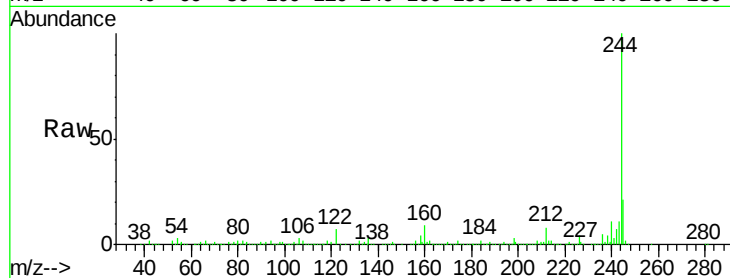
Tgt Ion:244 Resp: 766766

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

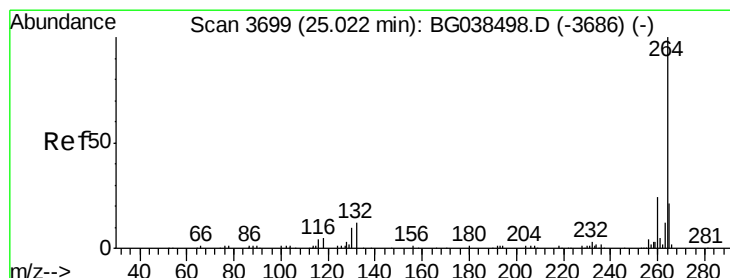
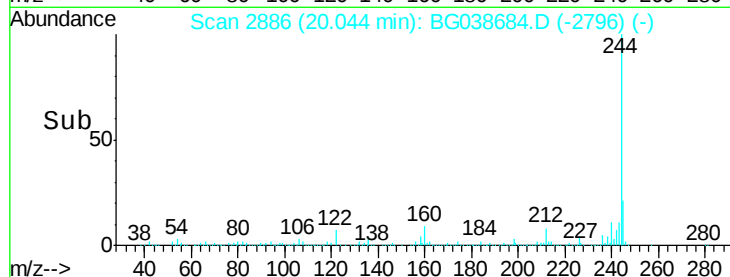
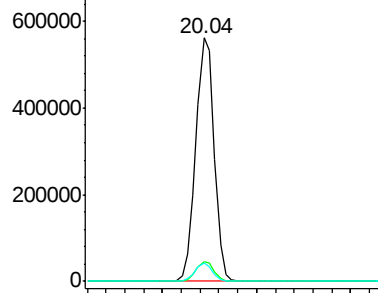
122 7.5 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

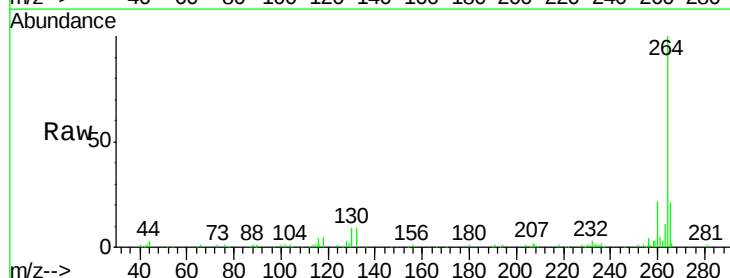
Tgt Ion:264 Resp: 169530

Ion Ratio Lower Upper

264 100

260 21.7 18.9 28.3

265 21.0 17.0 25.4



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

