

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038590.D
 Acq On : 15 Dec 2018 5:39
 Operator : JU/SJ
 Sample : PB115539BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115539BL

Quant Time: Dec 16 00:11:29 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

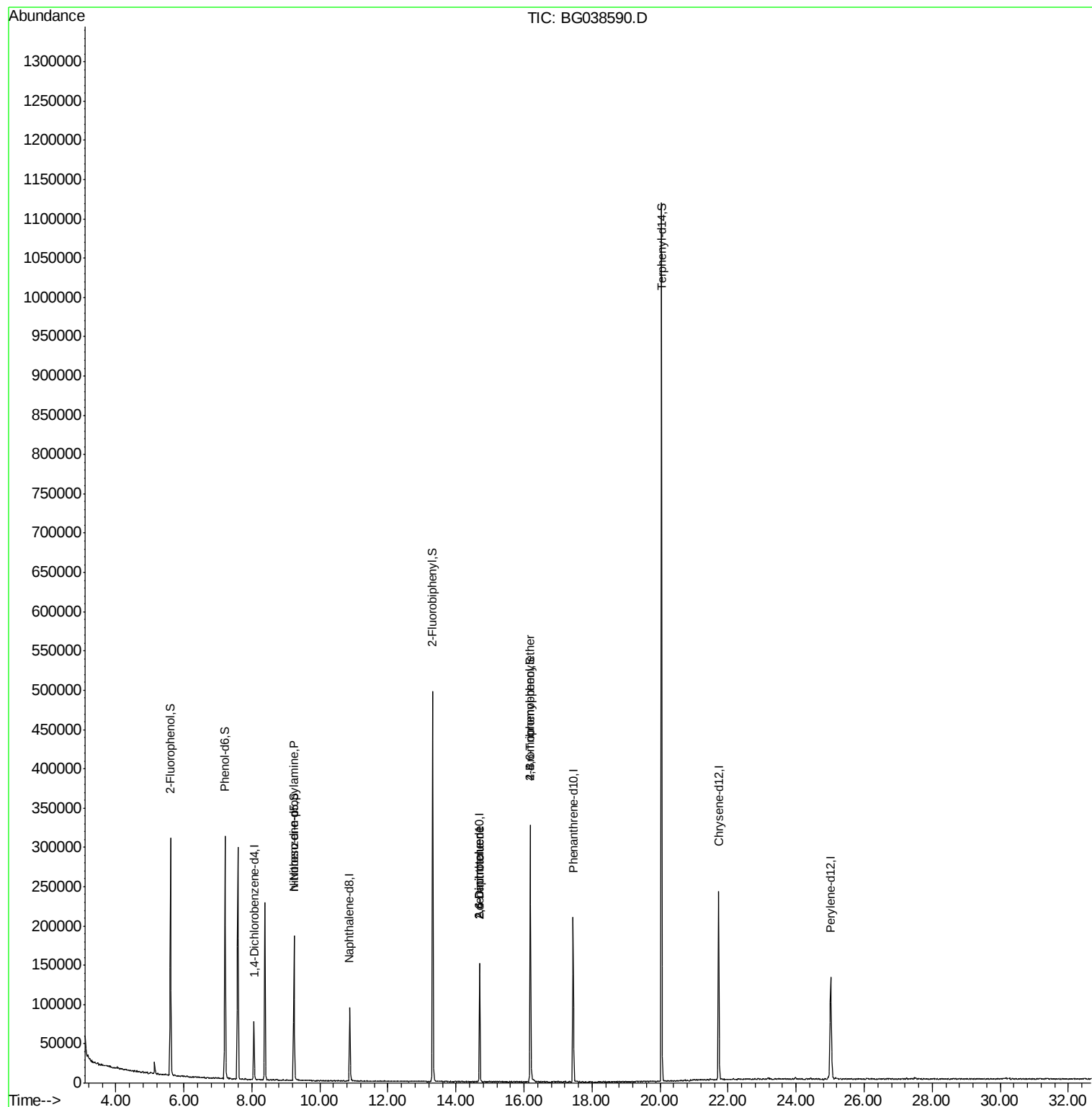
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21514	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	84367	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	55276	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	144432	20.00	ng	0.00
76) Chrysene-d12	21.72	240	157794	20.00	ng	0.00
87) Perylene-d12	25.01	264	160781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	129819	107.03	ng	0.00
7) Phenol-d6	7.21	99	168235	101.03	ng	0.00
23) Nitrobenzene-d5	9.24	82	111143	67.30	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	67674	88.83	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	269433	66.87	ng	0.00
79) Terphenyl-d14	20.04	244	535345	73.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	14623	12.503	ng	Qvalue
51) 2,6-Dinitrotoluene	14.69	165	7017	6.860	ng	# 74
57) 2,4-Dinitrotoluene	14.69	165	7017	4.870	ng	# 19
67) 4-Bromophenyl-phenylether	16.19	248	4597	2.606	ng	# 21
						# 1

(#) = 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: BG038590.D

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BNA_G

ClientSampleId :

PB115539BL

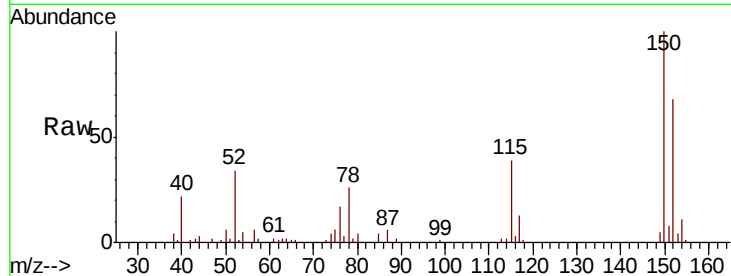
Tgt Ion:152 Resp: 21514

Ion Ratio Lower Upper

152 100

150 147.1 119.5 179.3

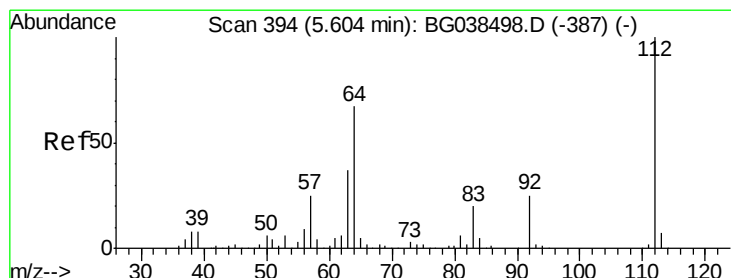
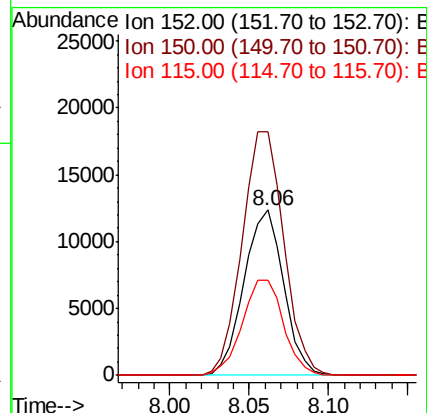
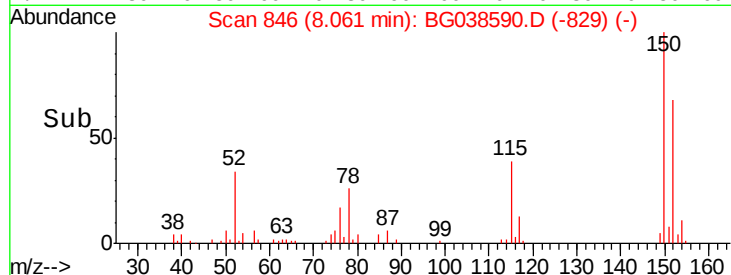
115 57.5 49.6 74.4



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: 107.025 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

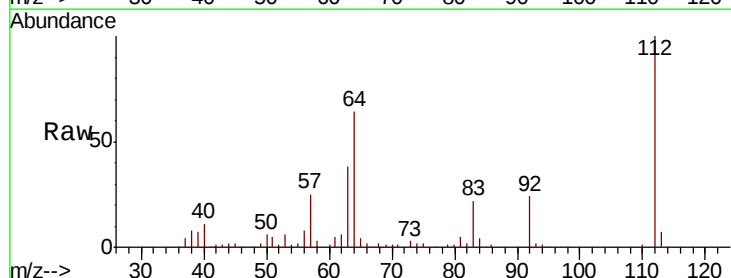
Tgt Ion:112 Resp: 129819

Ion Ratio Lower Upper

112 100

64 64.5 53.4 80.2

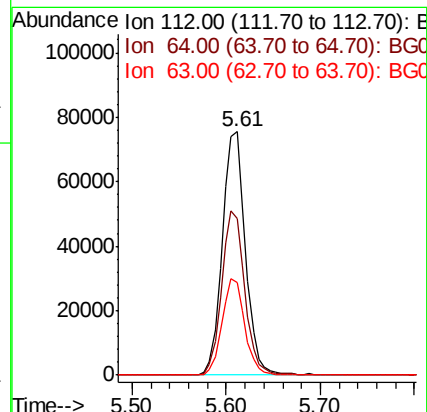
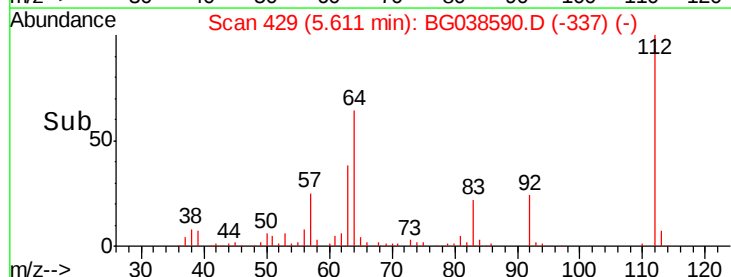
63 38.2 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 101.031 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

Instrument :

BNA_G

ClientSampleId :

PB115539BL

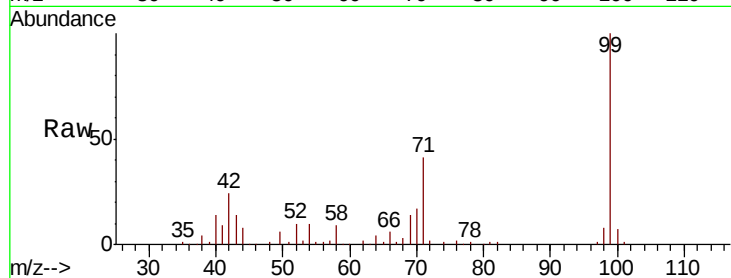
Tgt Ion: 99 Resp: 168235

Ion Ratio Lower Upper

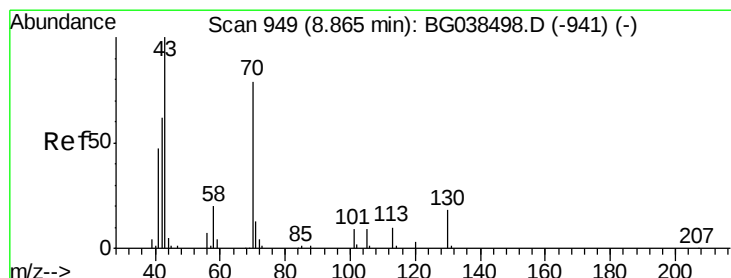
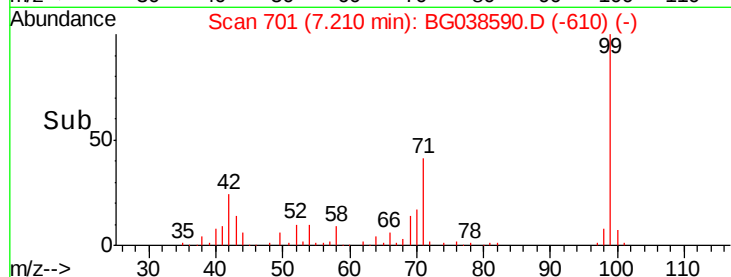
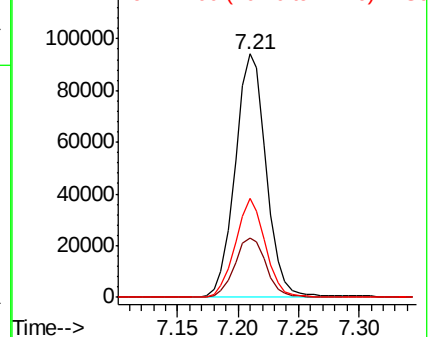
99 100

42 24.4 18.5 27.7

71 40.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.503 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

Tgt Ion: 70 Resp: 14623

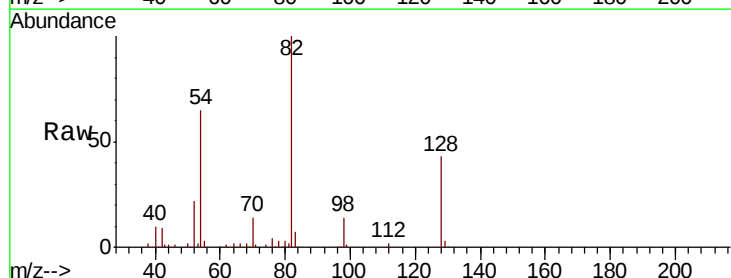
Ion Ratio Lower Upper

70 100

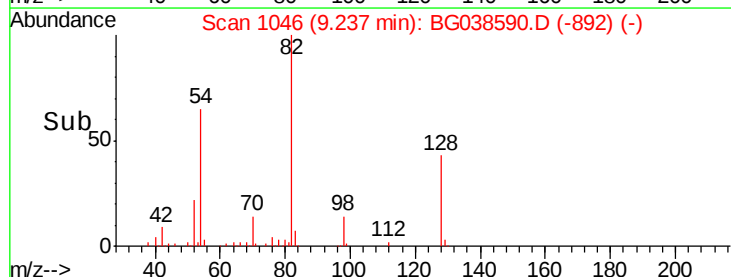
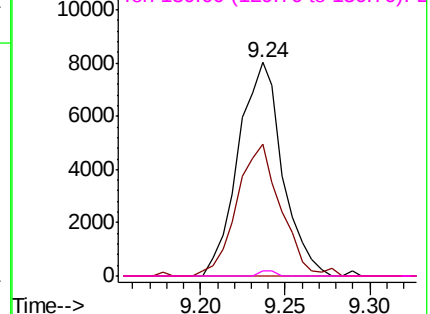
42 61.9 63.6 95.4#

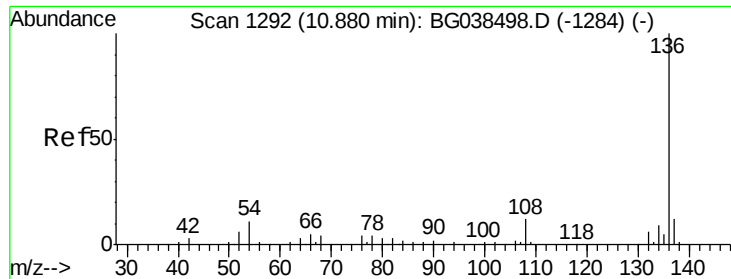
101 0.0 9.2 13.8#

130 2.3 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

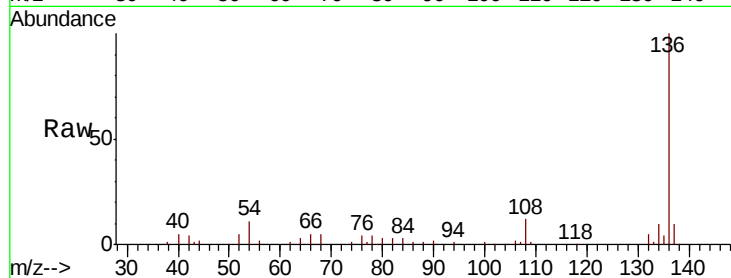




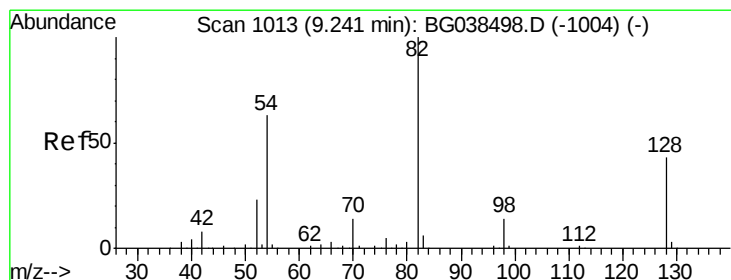
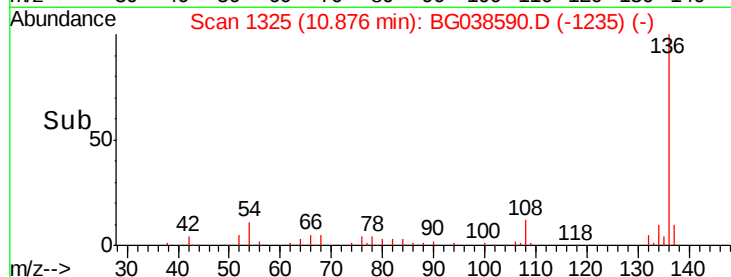
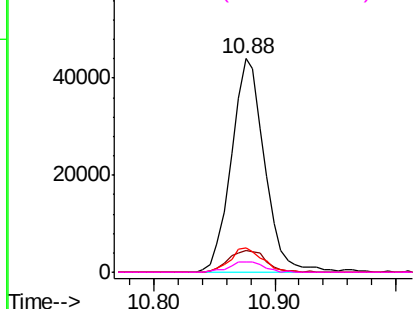
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038590.D
Acq: 15 Dec 2018 5:39

Instrument :
BNA_G
ClientSampleId :
PB115539BL

Tgt Ion:	136	Resp:	84367
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.3	13.9
54	11.5	8.5	12.7
68	4.9	3.5	5.3

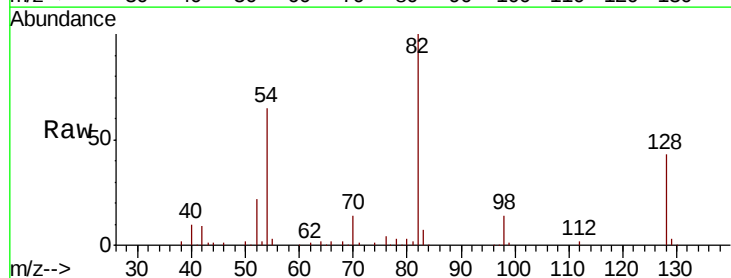


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

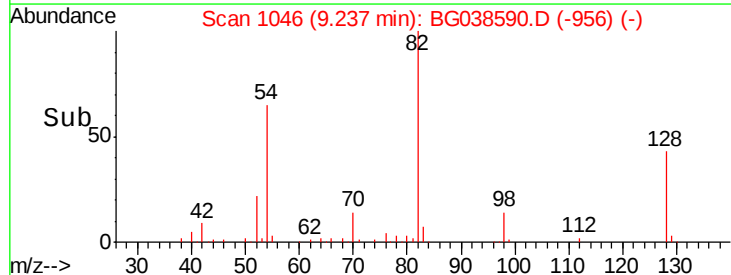
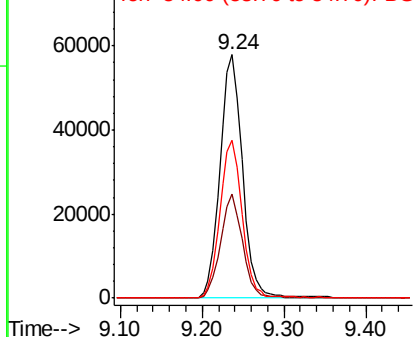


#23
Nitrobenzene-d5
Concen: 67.301 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038590.D
Acq: 15 Dec 2018 5:39

Tgt Ion:	82	Resp:	111143
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.6	52.0
54	64.8	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

Instrument :

BNA_G

ClientSampleId :

PB115539BL

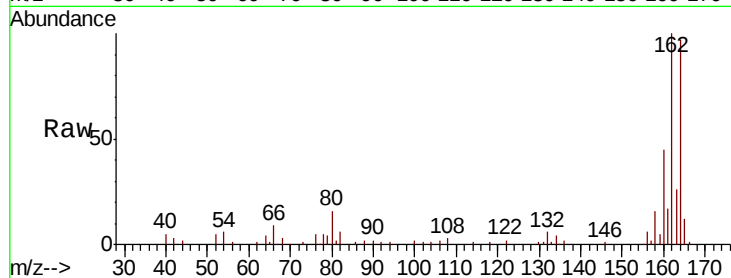
Tgt Ion:164 Resp: 55276

Ion Ratio Lower Upper

164 100

162 103.1 86.6 130.0

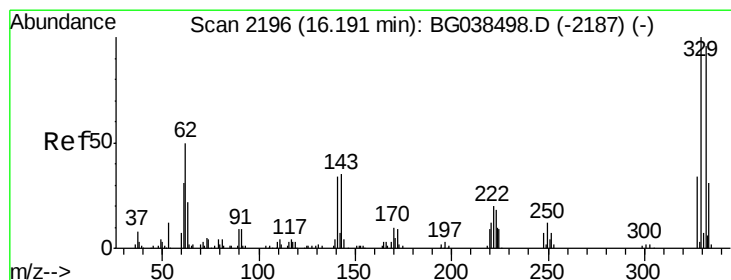
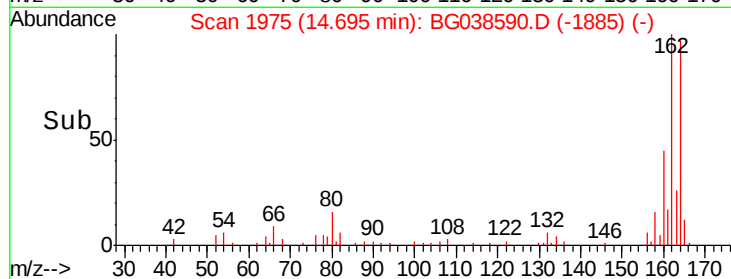
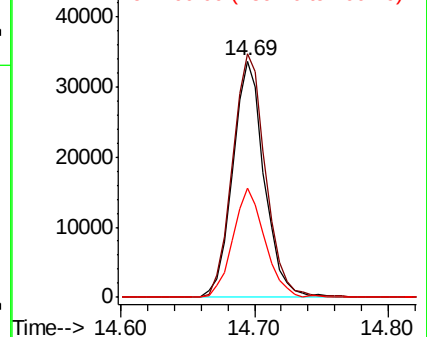
160 46.2 34.2 51.2



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: 88.834 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

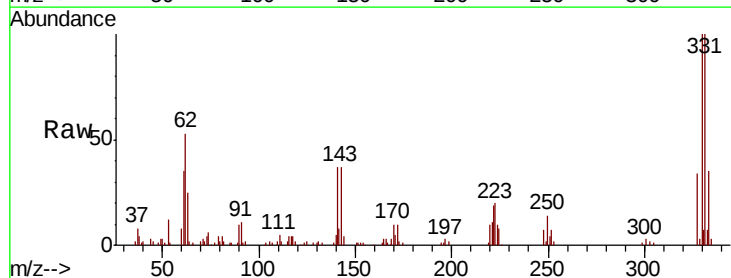
Tgt Ion:330 Resp: 67674

Ion Ratio Lower Upper

330 100

332 99.9 76.9 115.3

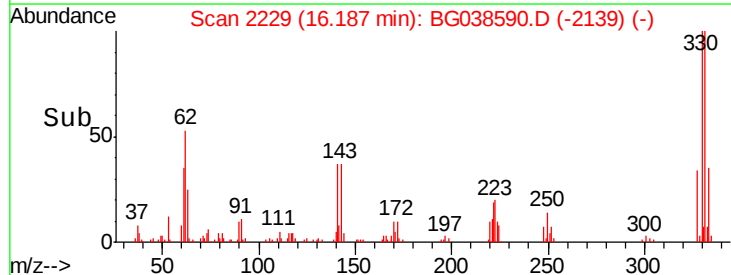
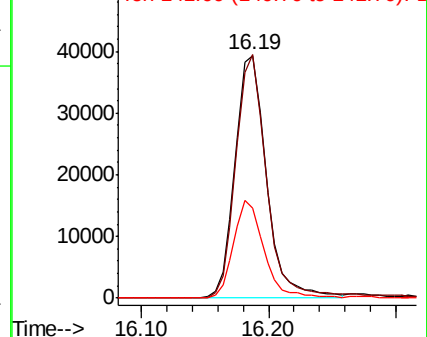
141 38.9 28.8 43.2



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

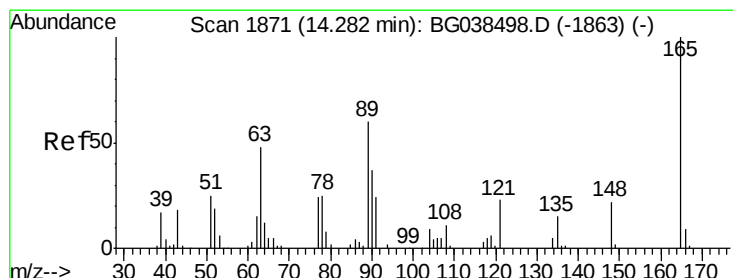
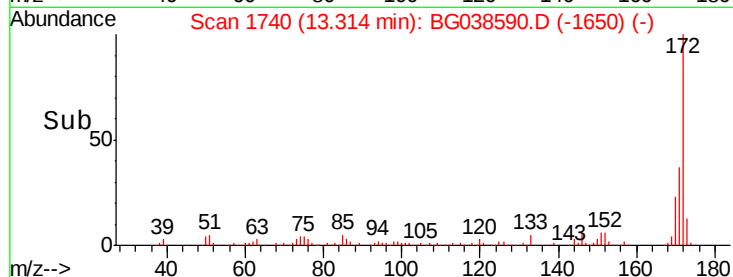
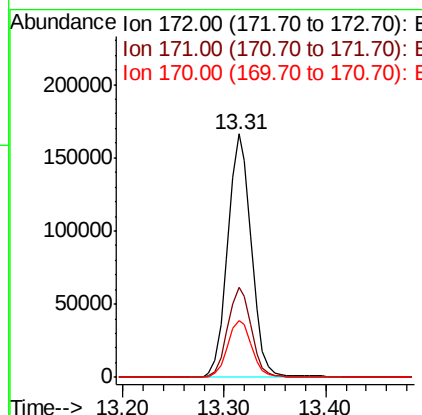
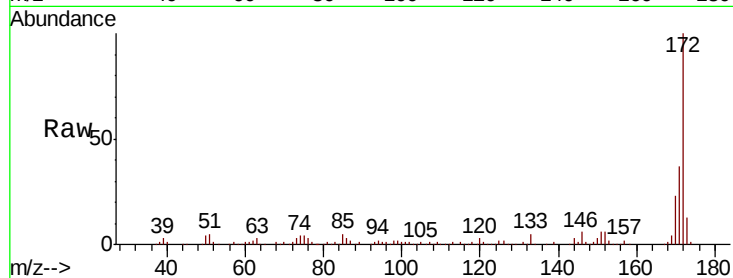




#45
 2-Fluorobiphenyl
 Concen: 66.868 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

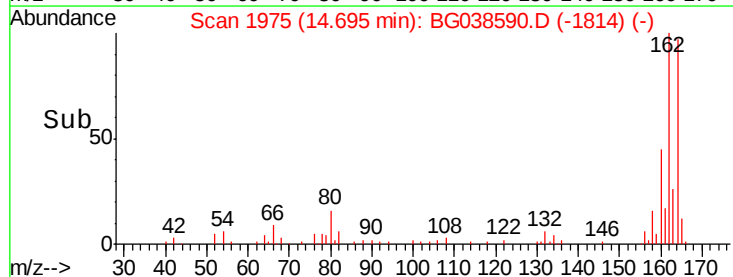
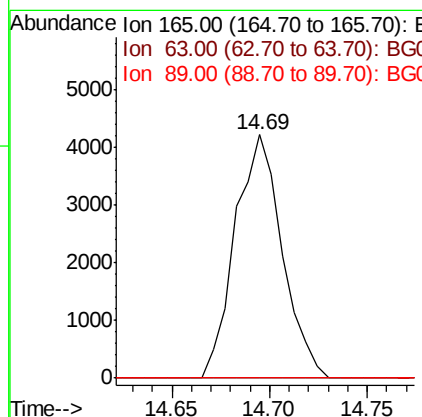
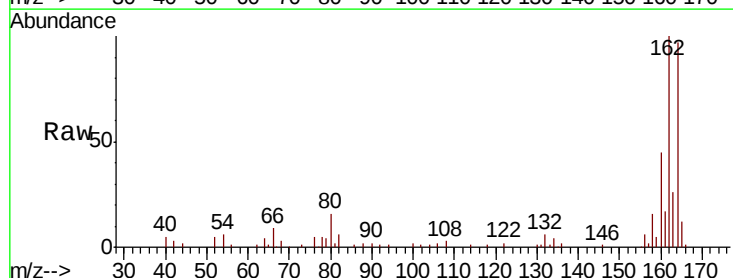
Instrument :
 BNA_G
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 PB115539BL

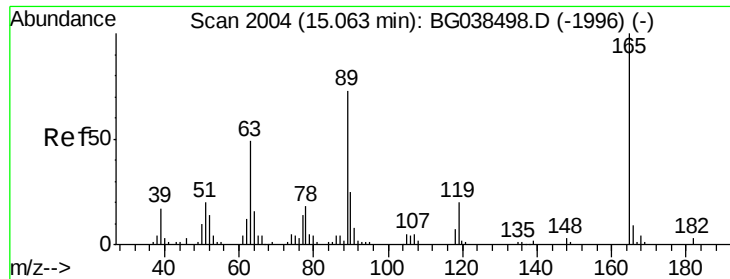
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	23.3	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.860 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

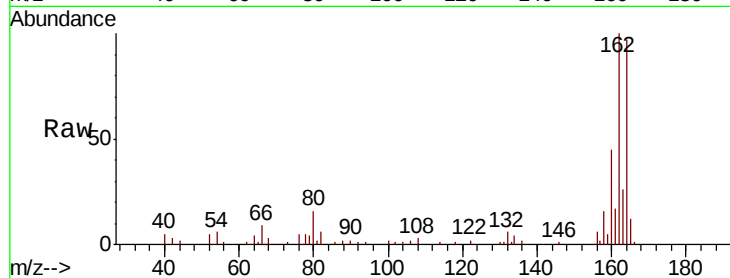




#57
 2,4-Dinitrotoluene
 Concen: 4.870 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

Instrument :
 BNA_G
 ClientSampleId :
 PB115539BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



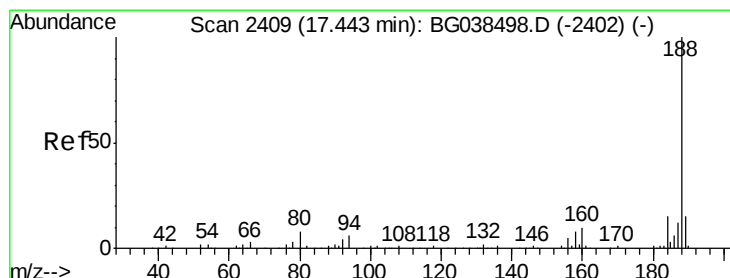
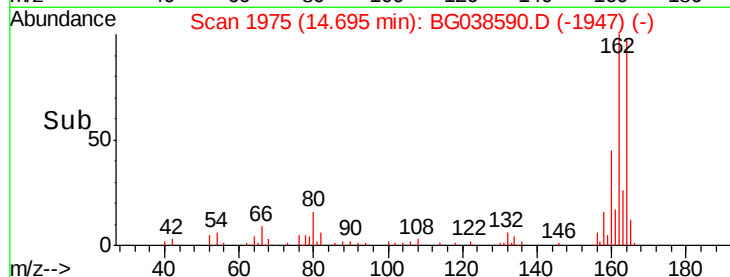
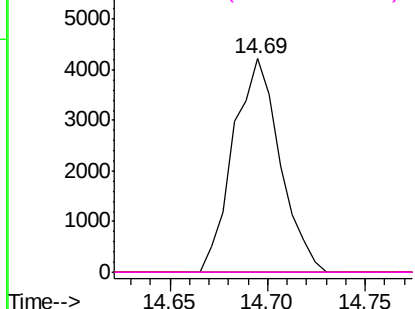
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

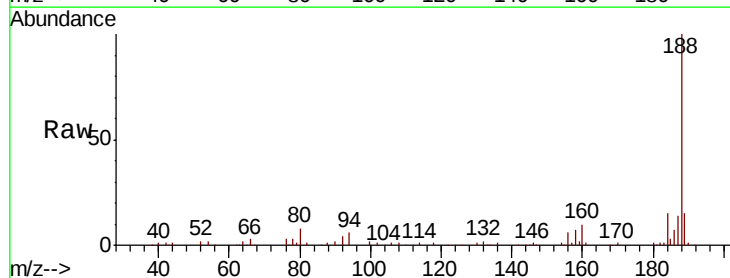
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.1	7.7
80	7.8	6.1	9.1

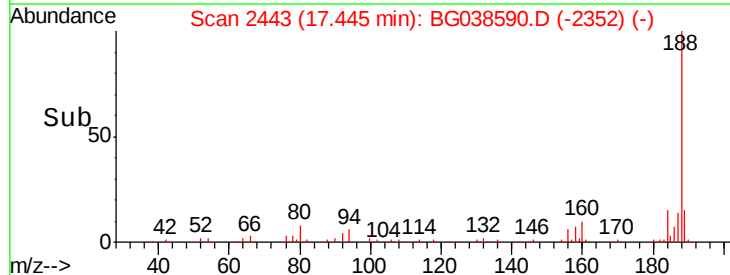
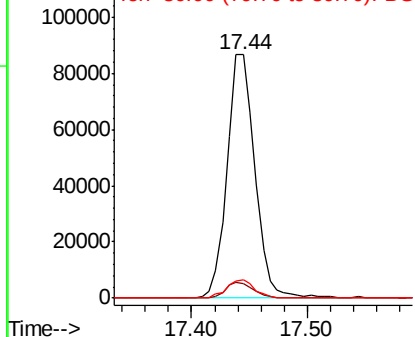


Abundance

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

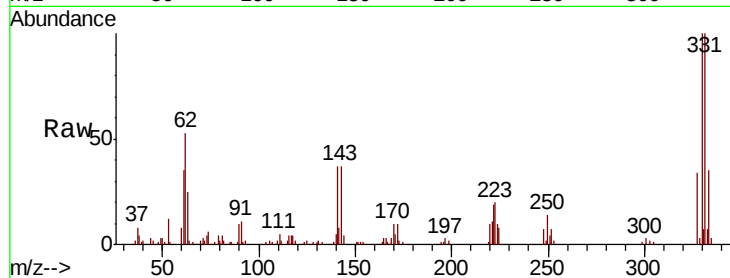




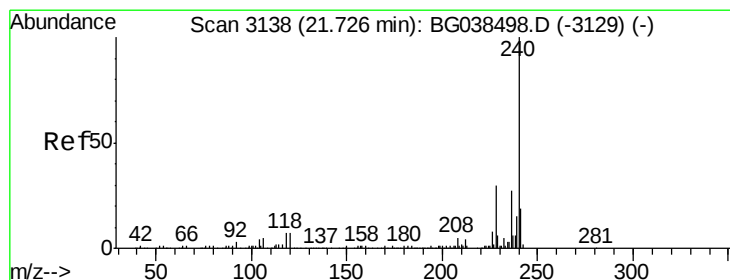
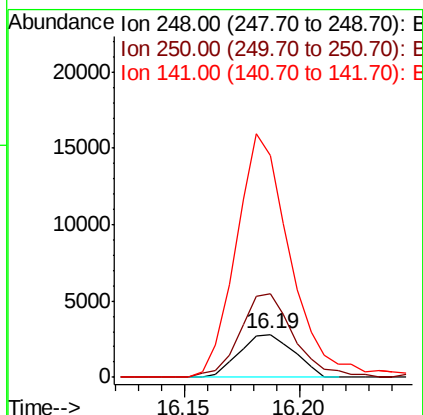
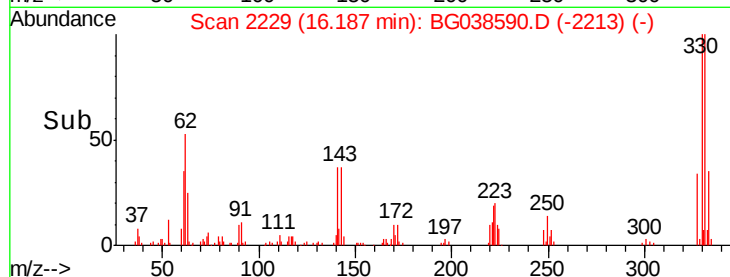
#67
 4-Bromophenyl-phenylether
 Concen: 2.606 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

Instrument :
 BNA_G
 ClientSampleId :
 PB115539BL

Tgt Ion:248 Resp: 4597
 Ion Ratio Lower Upper
 248 100
 250 197.2 73.4 110.2#
 141 407.3 52.9 79.3#

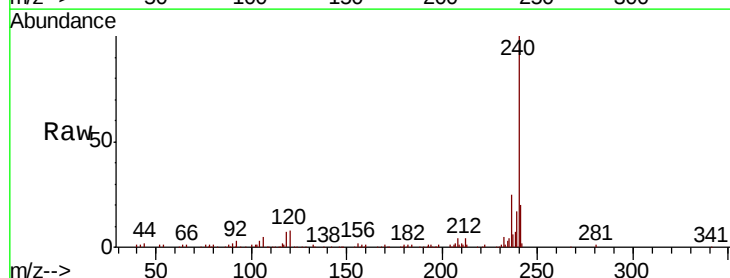


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

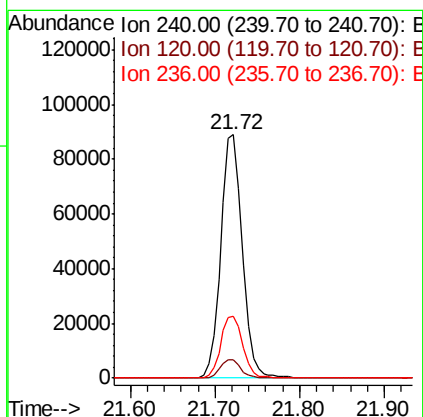
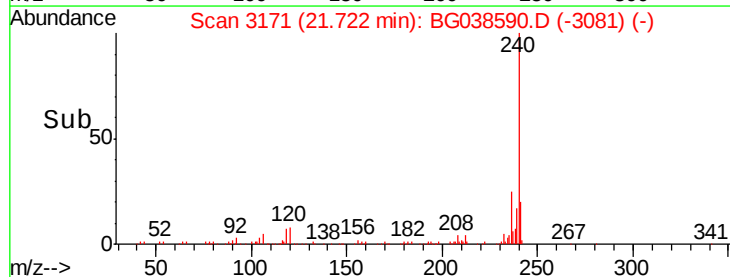


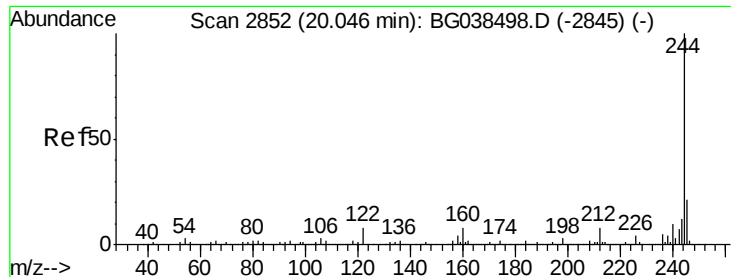
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038590.D
 Acq: 15 Dec 2018 5:39

Tgt Ion:240 Resp: 157794
 Ion Ratio Lower Upper
 240 100
 120 7.7 5.3 7.9
 236 25.4 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: 73.836 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

Instrument :

BNA_G

ClientSampleId :

PB115539BL

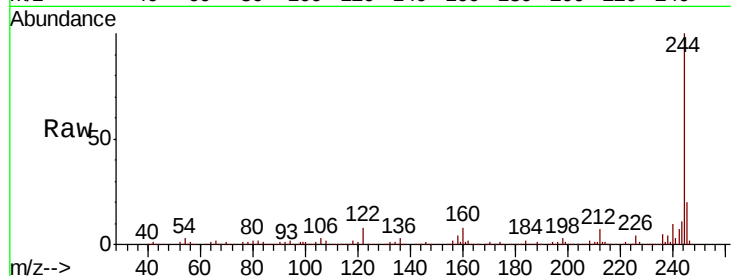
Tgt Ion:244 Resp: 535345

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

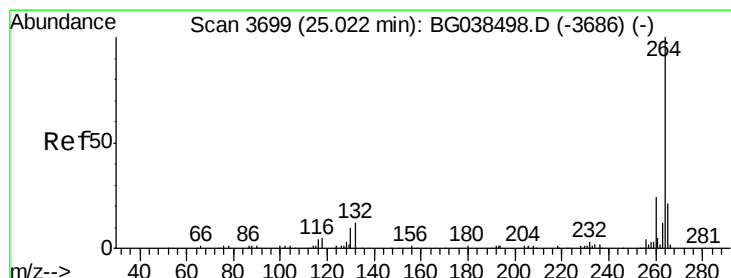
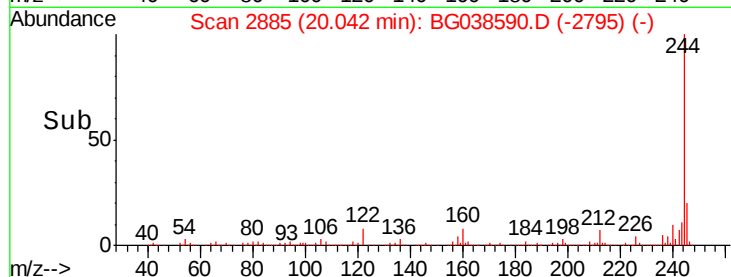
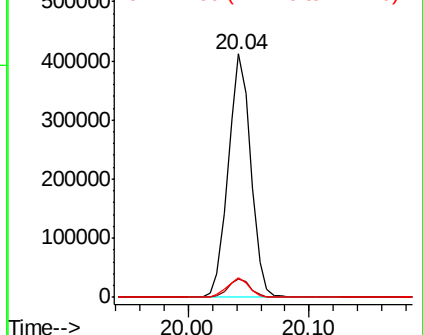
122 7.9 6.3 9.5



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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038590.D

Acq: 15 Dec 2018 5:39

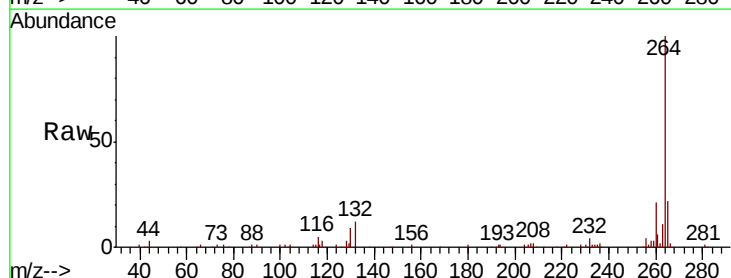
Tgt Ion:264 Resp: 160781

Ion Ratio Lower Upper

264 100

260 20.9 18.9 28.3

265 21.6 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

