

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038848.D
 Acq On : 27 Dec 2018 18:01
 Operator : JU/SJ
 Sample : J6533-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Dec 28 00:29:03 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	20817	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	86686	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	70081	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	175523	20.00	ng	0.00
76) Chrysene-d12	21.72	240	174508	20.00	ng	0.00
87) Perylene-d12	25.01	264	190143	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	80430	68.53	ng	0.00
7) Phenol-d6	7.21	99	73707	45.75	ng	0.00
23) Nitrobenzene-d5	9.23	82	154036	90.78	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	169197	175.18	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	459858	90.02	ng	0.00
79) Terphenyl-d14	20.04	244	861592	107.45	ng	0.00

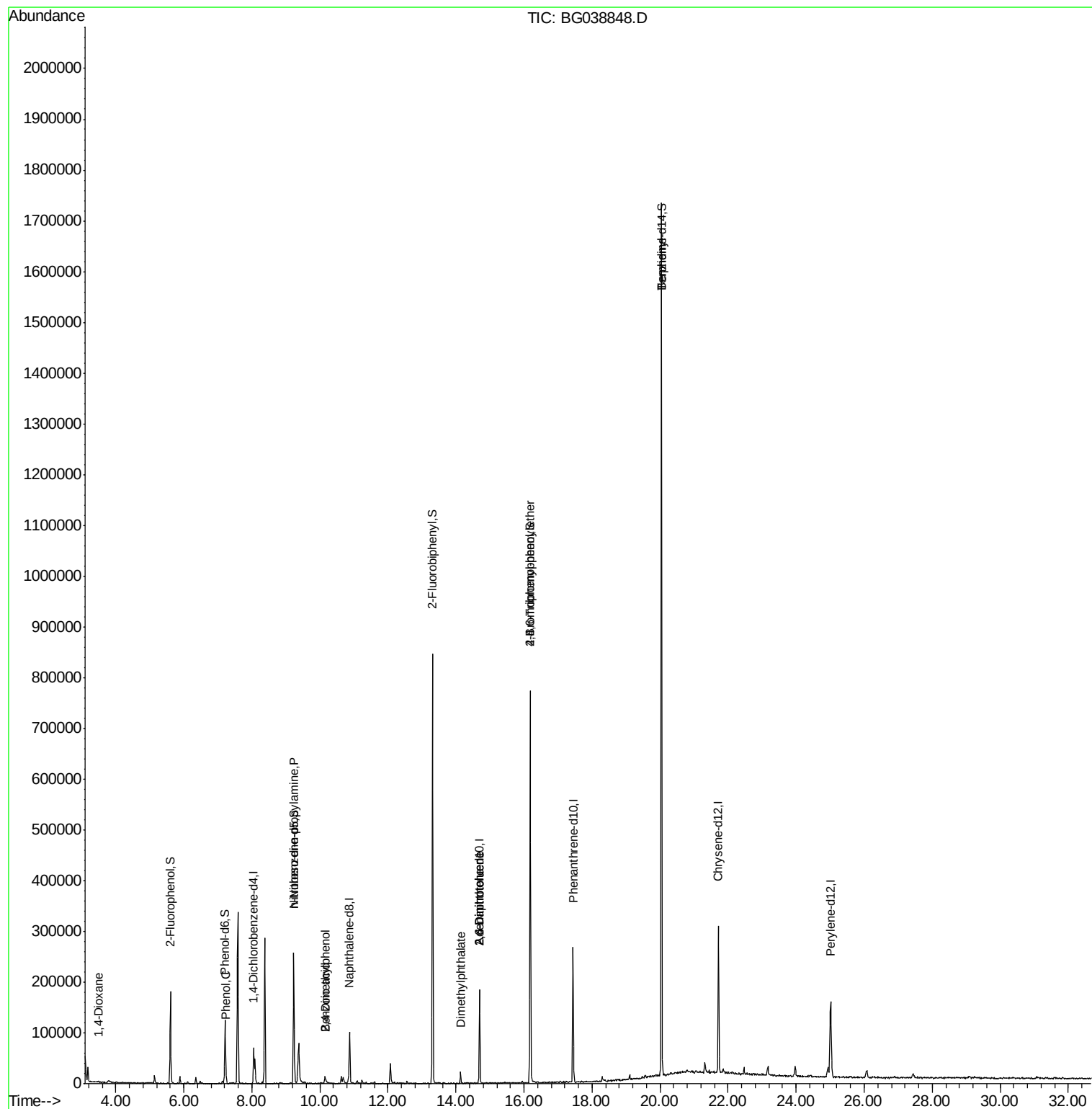
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	1149	2.103	ng	# 46
10) Phenol	7.24	94	6896	4.029	ng	# 95
19) n-Nitroso-di-n-propylamine	9.23	70	21050	18.601	ng	# 67
27) 2,4-Dimethylphenol	10.15	122	6931	5.505	ng	# 1
32) Benzoic acid	10.15	122	6931	16.995	ng	# 92
50) Dimethylphthalate	14.14	163	16096	2.812	ng	# 95
51) 2,6-Dinitrotoluene	14.69	165	8897	6.860	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8897	4.871	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	11095	5.176	ng	# 1
77) Benzidine	20.04	184	14191	2.750	ng	# 92

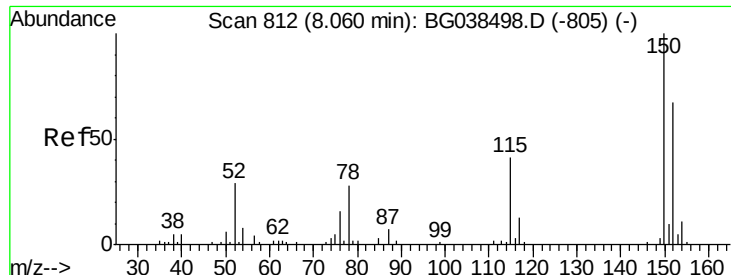
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
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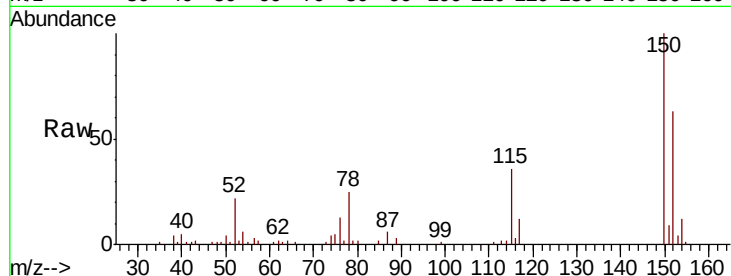


#1

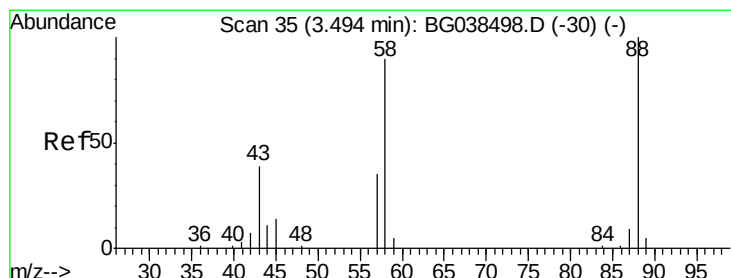
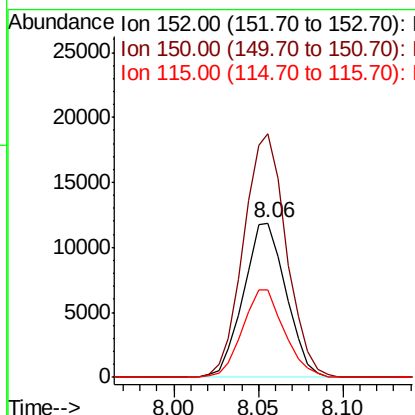
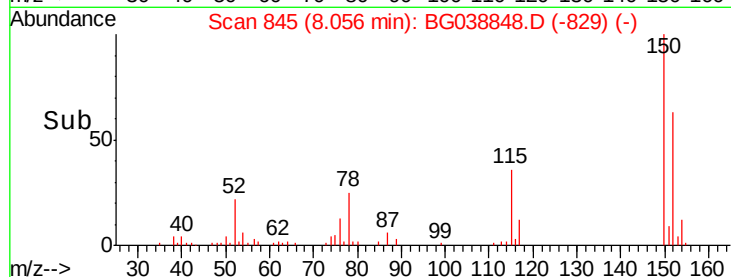
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tot Ion:152 Resp: 20817
Ion Ratio Lower Upper
152 100
150 158.0 119.5 179.3
115 57.2 49.6 74.4



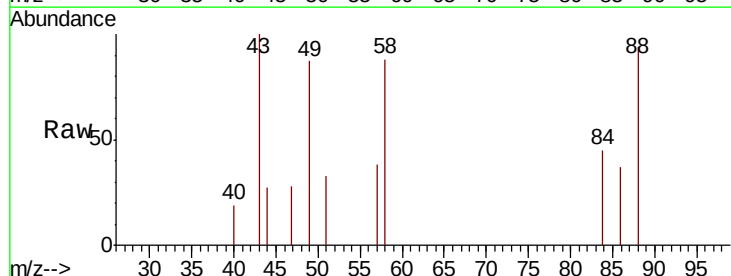
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



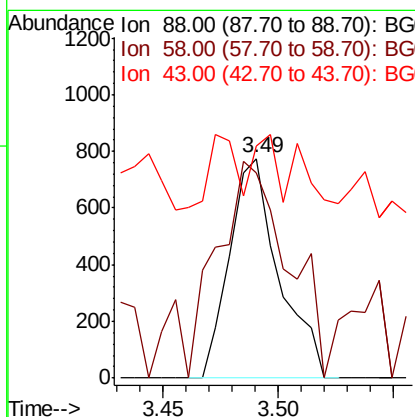
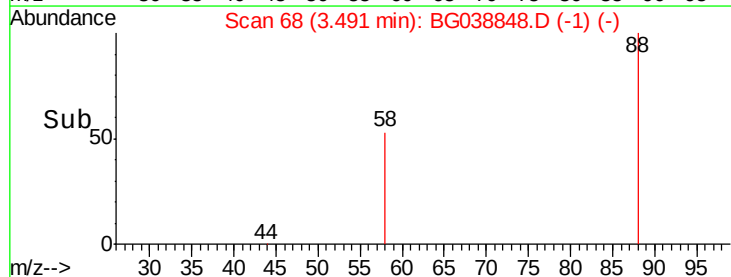
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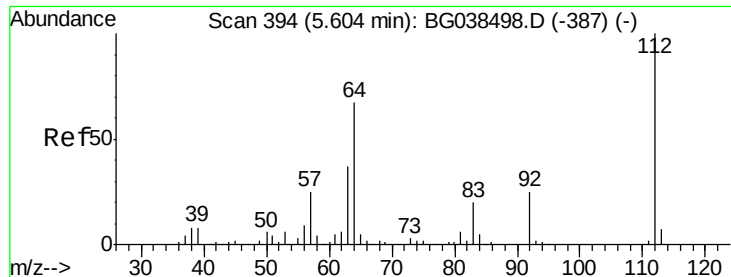
1,4-Dioxane
Concen: 2.103 ng
RT: 3.49 min Scan# 68
Delta R.T. -0.00 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Tgt Ion: 88 Resp: 1149
Ion Ratio Lower Upper
88 100
58 153.9 75.7 113.5#
43 16.8 31.6 47.4#



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





#5

2-Fluorophenol

Concen: 68.528 ng

RT: 5.61 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Instrument :

BNA_G

ClientSampleId :

COMP-2

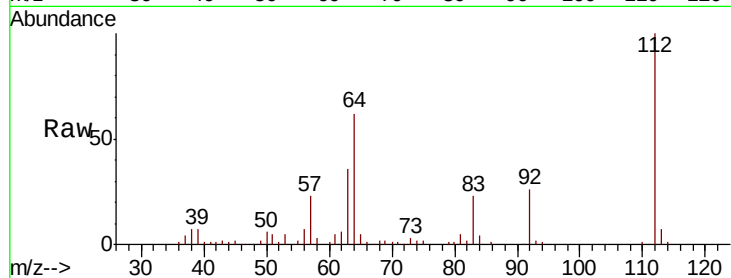
Tot Ion: 112 Resp: 80430

Ion Ratio Lower Upper

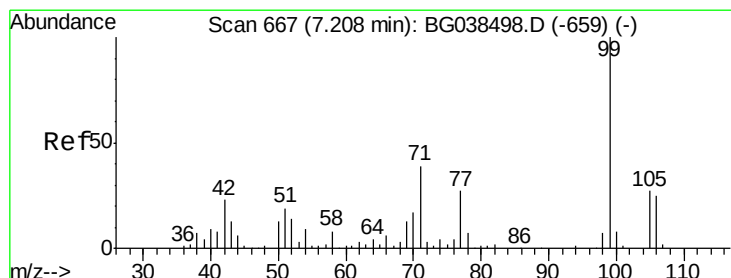
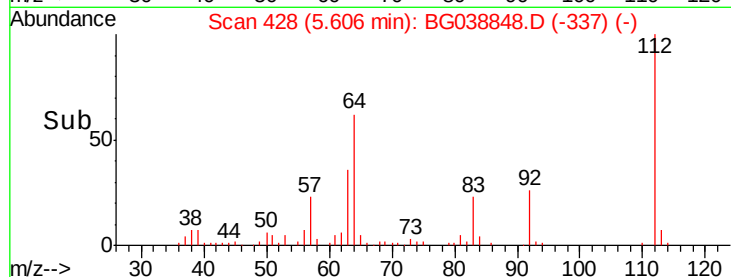
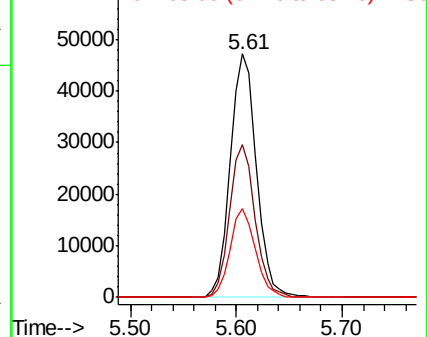
112 100

64 62.5 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



#7

Phenol-d6

Concen: 45.746 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

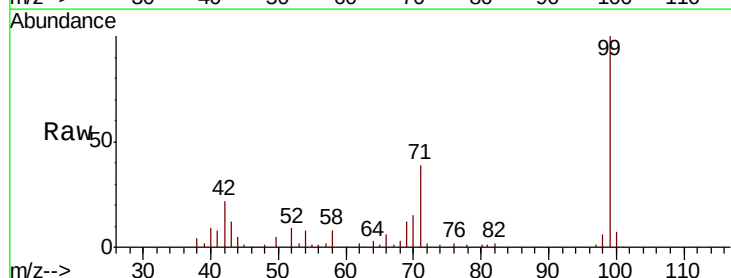
Tgt Ion: 99 Resp: 73707

Ion Ratio Lower Upper

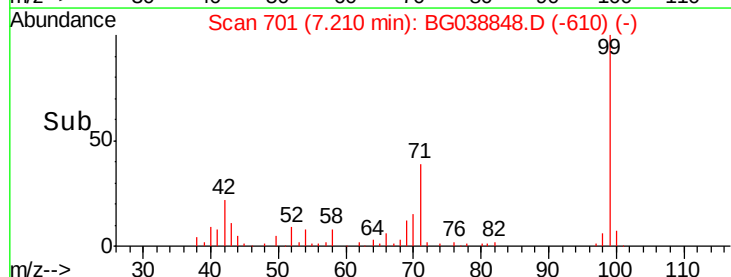
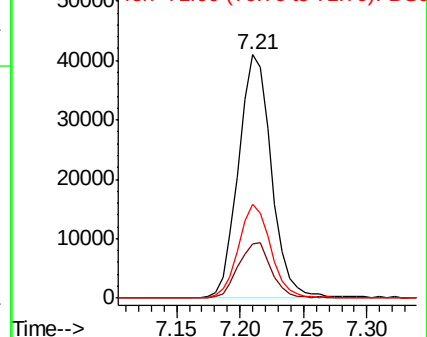
99 100

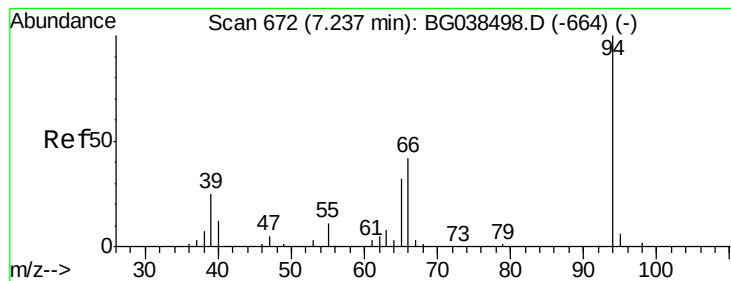
42 22.4 18.5 27.7

71 38.5 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: 4.029 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Instrument :

BNA_G

ClientSampled :

COMP-2

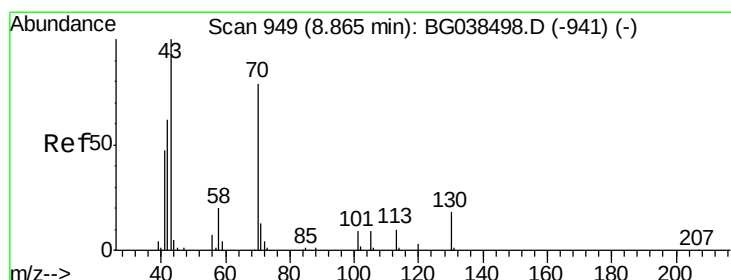
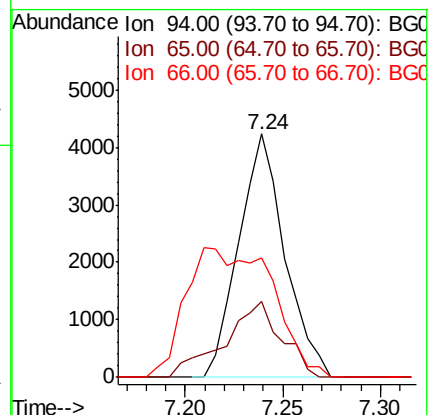
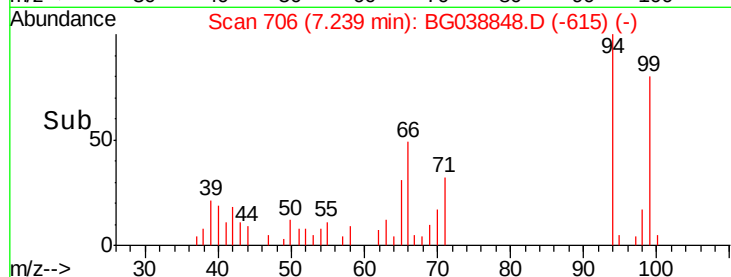
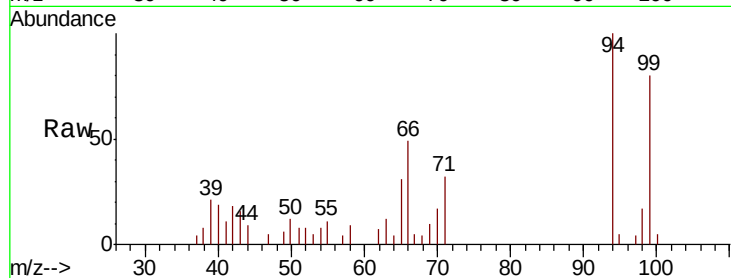
Tot Ion: 94 Resp: 6896

Ion Ratio Lower Upper

94 100

65 31.0 12.6 52.6

66 48.9 24.1 64.1



#19

n-Nitroso-di-n-propylamine

Concen: 18.601 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.37 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Tgt Ion: 70 Resp: 21050

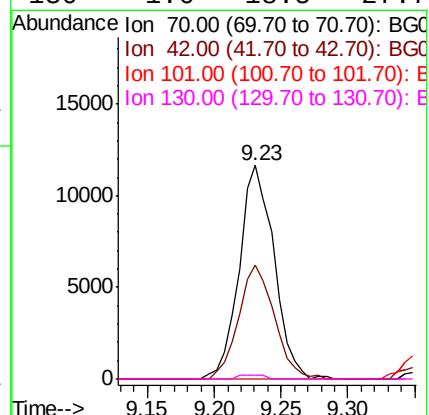
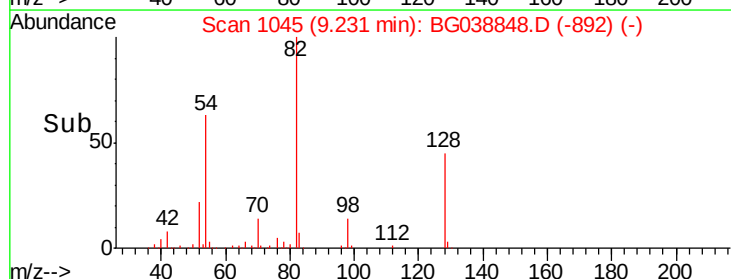
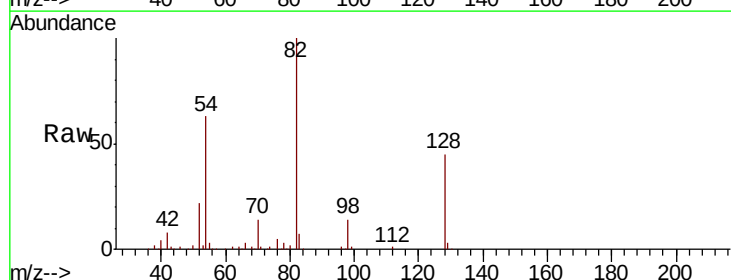
Ion Ratio Lower Upper

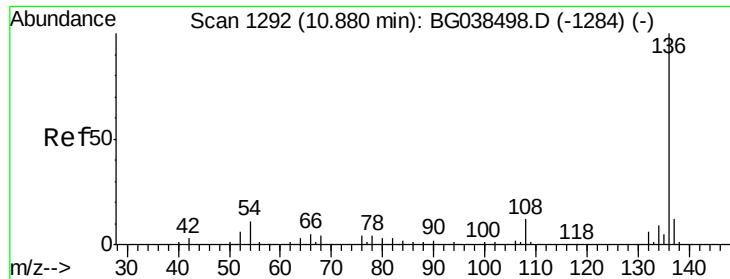
70 100

42 53.5 63.6 95.4#

101 0.0 9.2 13.8#

130 1.6 18.5 27.7#

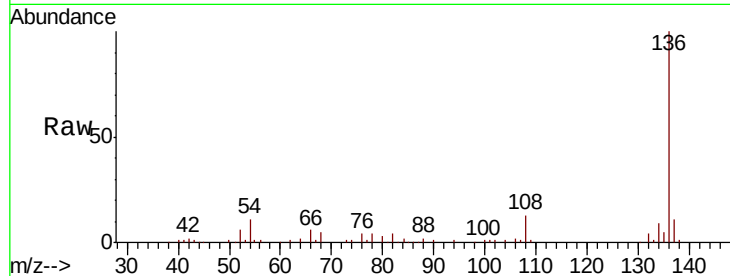




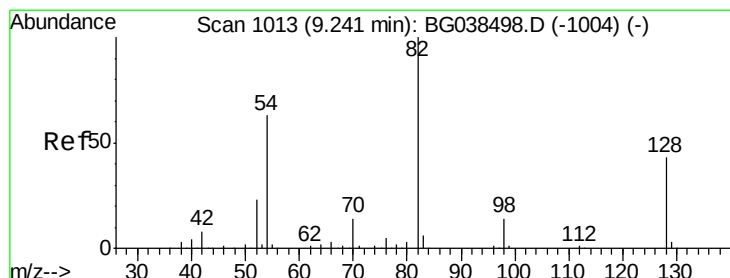
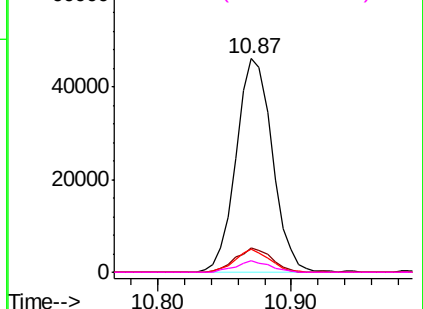
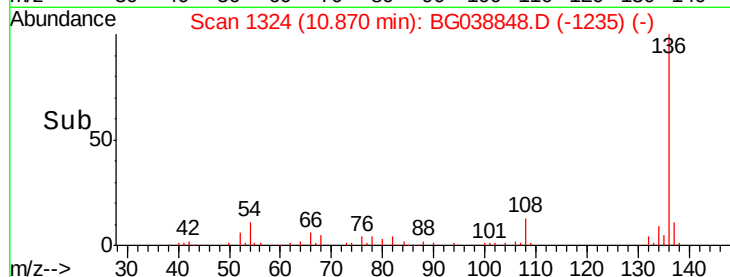
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tot Ion:136	Resp:	86686
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.3 13.9
54	11.1	8.5 12.7
68	5.2	3.5 5.3

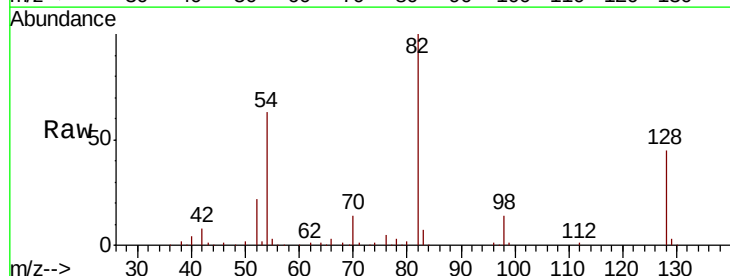


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

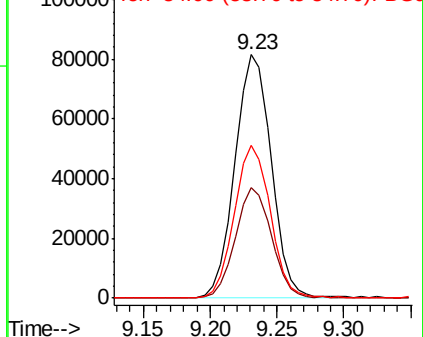
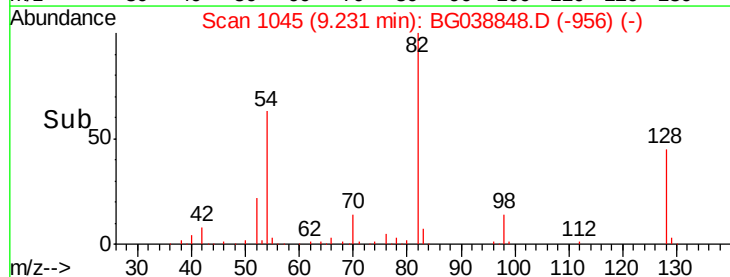


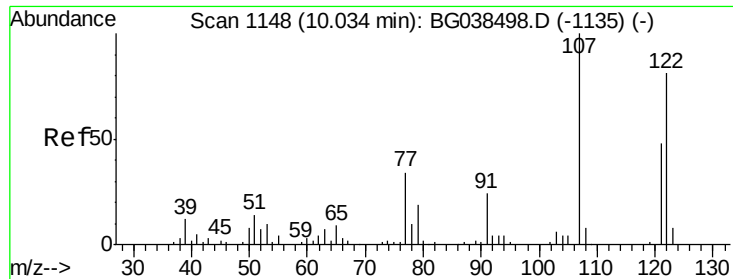
#23
Nitrobenzene-d5
Concen: 90.779 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Tgt Ion: 82	Resp:	154036
Ion Ratio	Lower	Upper
82	100	
128	45.1	34.6 52.0
54	62.8	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

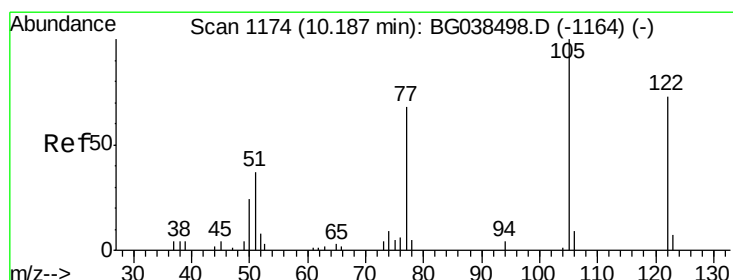
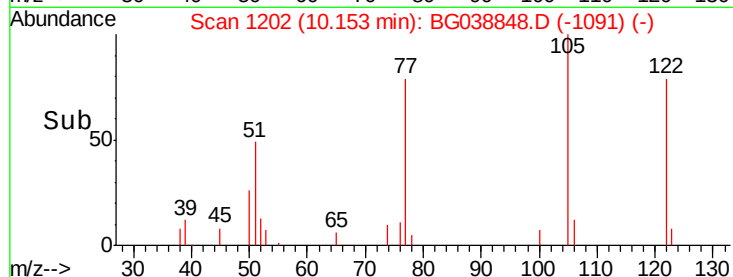
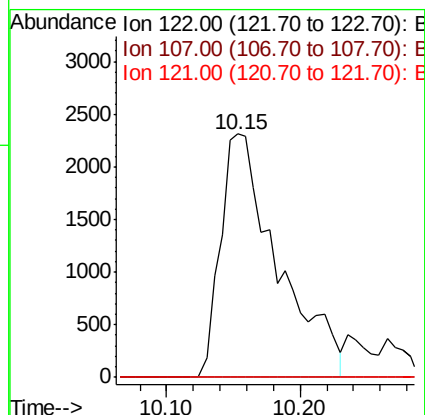
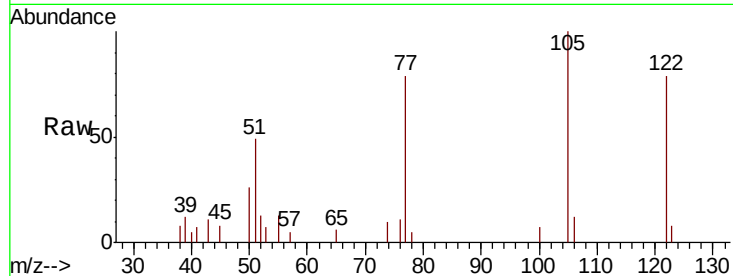




#27
 2,4-Dimethylphenol
 Concen: 5.505 ng
 RT: 10.15 min Scan# 1202
 Delta R.T. 0.12 min
 Lab File: BG038848.D
 Acq: 27 Dec 2018 18:01

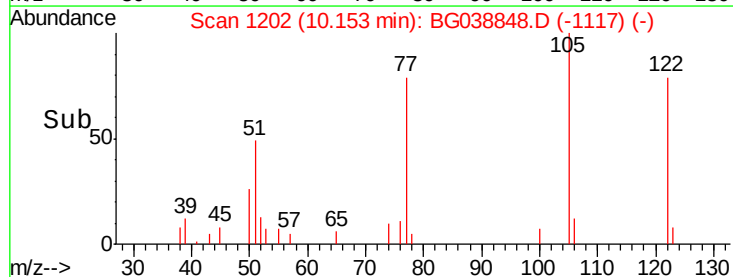
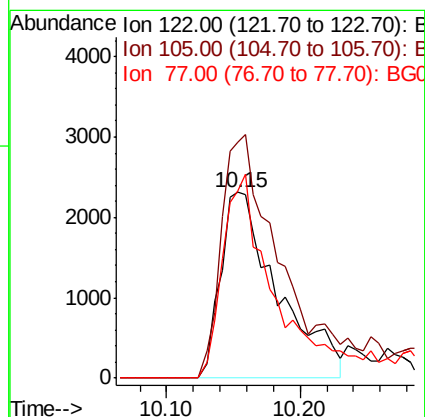
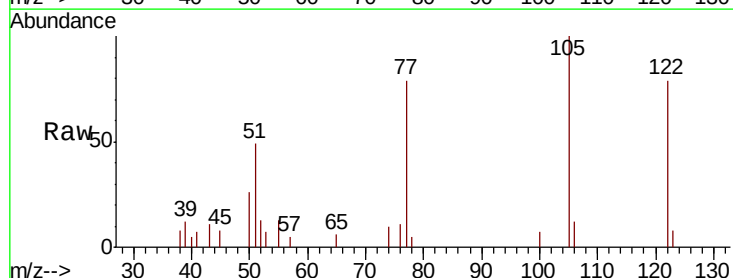
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

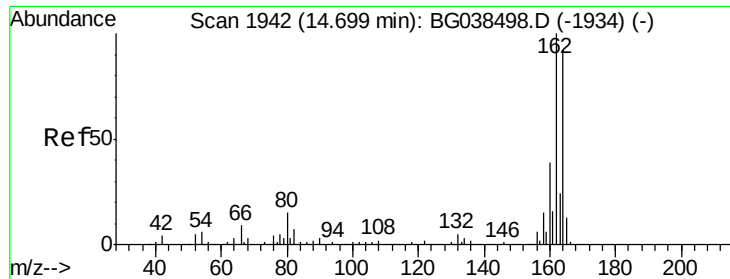
Tot Ion:122 Resp: 6931
 Ion Ratio Lower Upper
 122 100
 107 0.0 98.4 147.6#
 121 0.0 47.2 70.8#



#32
 Benzoic acid
 Concen: 16.995 ng
 RT: 10.15 min Scan# 1202
 Delta R.T. -0.03 min
 Lab File: BG038848.D
 Acq: 27 Dec 2018 18:01

Tgt Ion:122 Resp: 6931
 Ion Ratio Lower Upper
 122 100
 105 126.6 116.7 156.7
 77 100.6 72.5 112.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Instrument :

BNA_G

ClientSampleId :

COMP-2

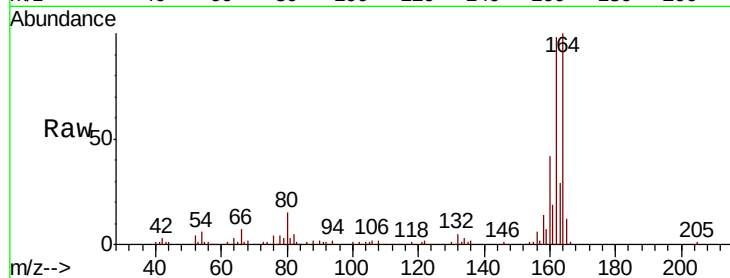
Tot Ion:164 Resp: 70081

Ion Ratio Lower Upper

164 100

162 98.0 86.6 130.0

160 41.7 34.2 51.2

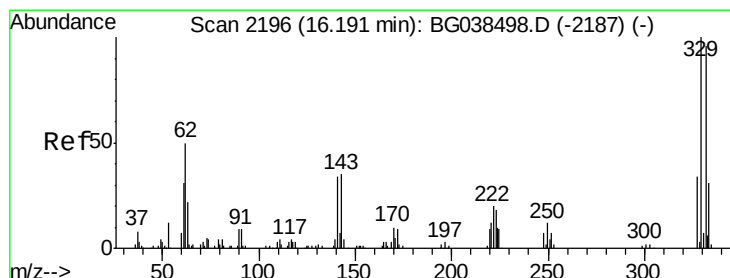
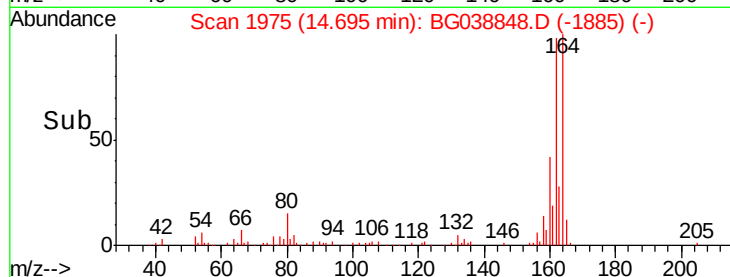
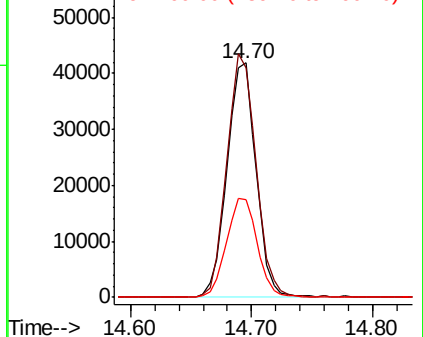


Abundance

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: 175.181 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

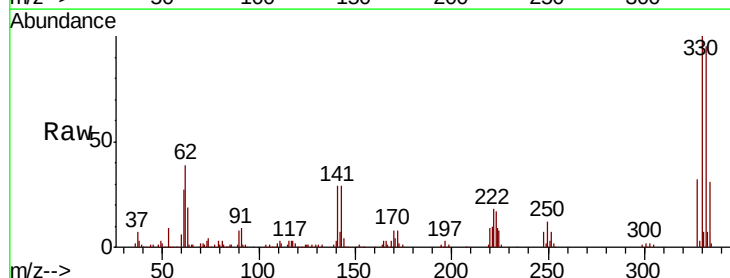
Tgt Ion:330 Resp: 169197

Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

141 32.3 28.8 43.2

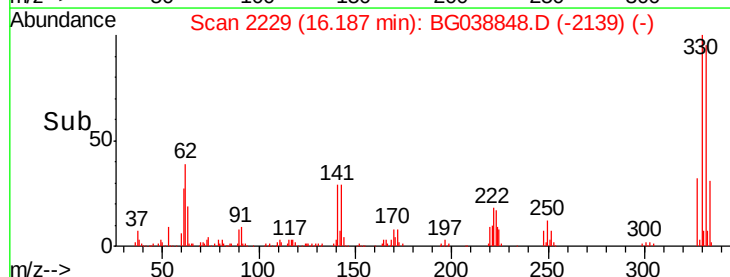
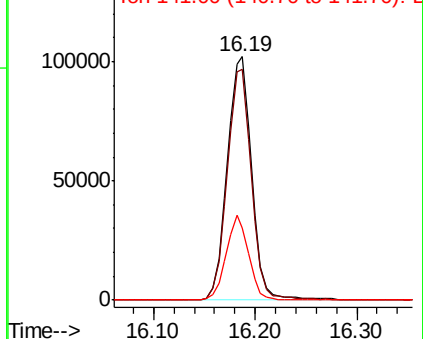


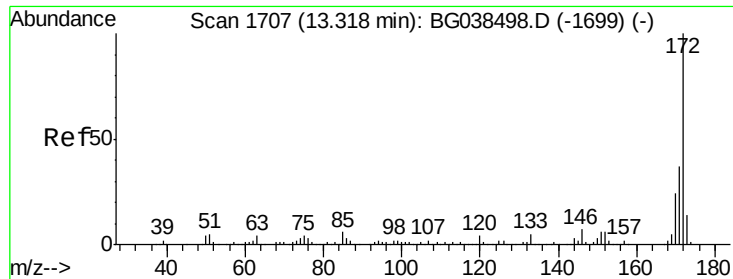
Abundance

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

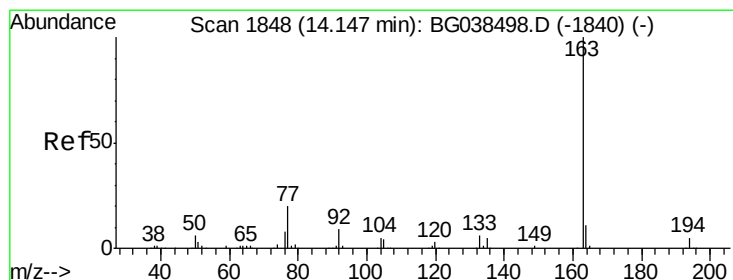
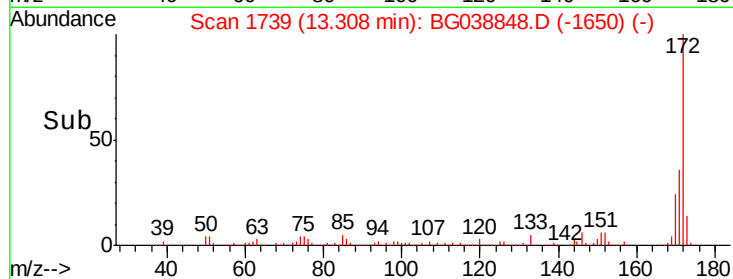
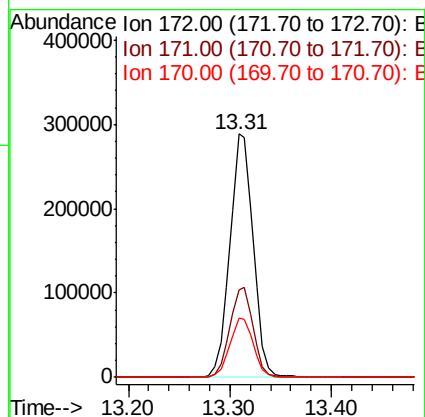
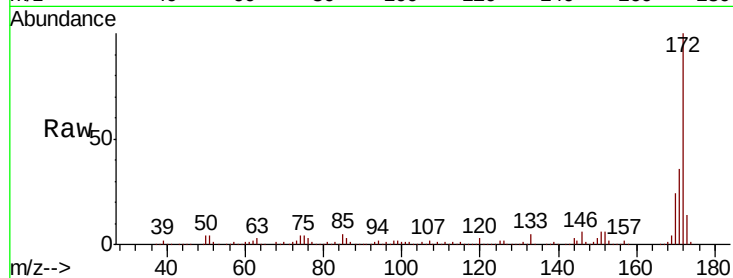




#45
2-Fluorobiphenyl
Concen: 90.018 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

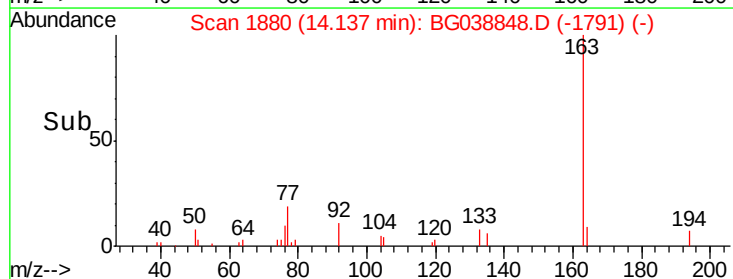
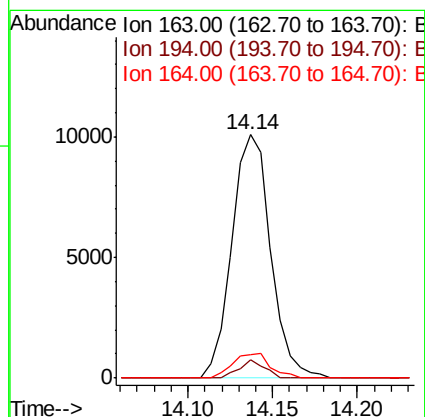
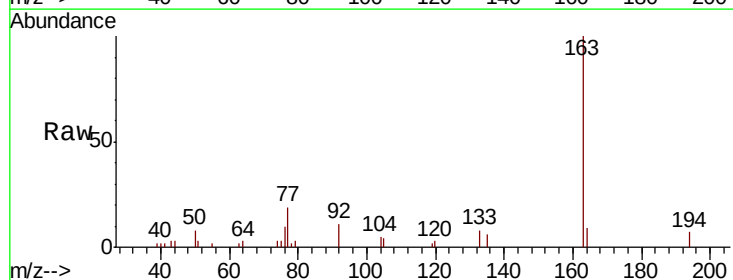
Instrument :
BNA_G
ClientSampleId :
COMP-2

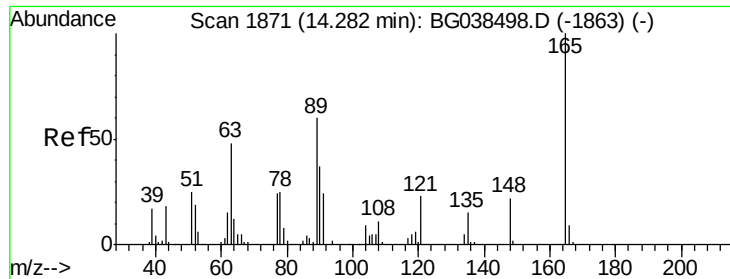
Tot Ion:172 Resp: 459858
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.6
170 24.4 19.5 29.3



#50
Dimethylphthalate
Concen: 2.812 ng
RT: 14.14 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Tgt Ion:163 Resp: 16096
Ion Ratio Lower Upper
163 100
194 7.5 3.7 5.5#
164 9.4 8.6 12.8

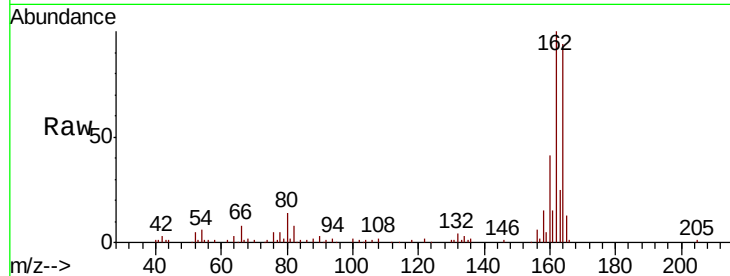




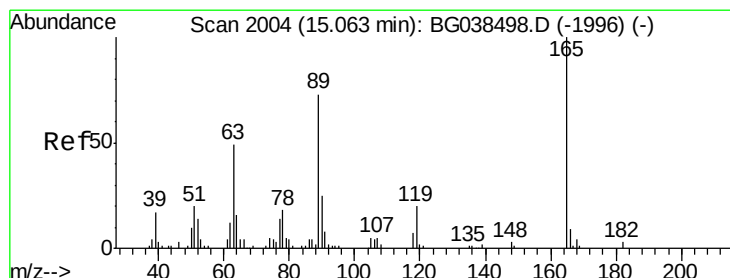
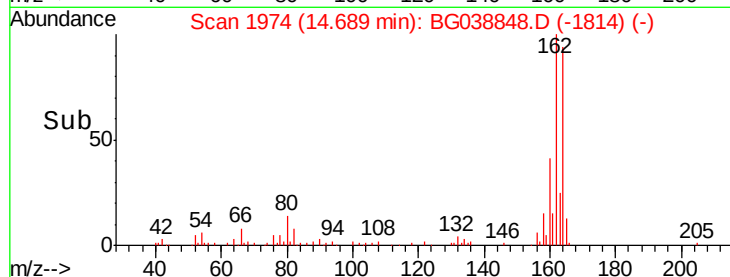
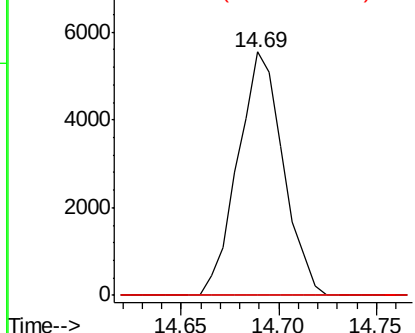
#51
 2,6-Dinitrotoluene
 Concen: 6.860 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.41 min
 Lab File: BG038848.D
 Acq: 27 Dec 2018 18:01

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Tot Ion:165 Resp: 8897
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

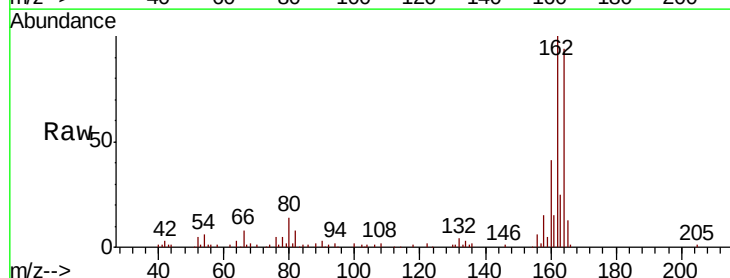


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

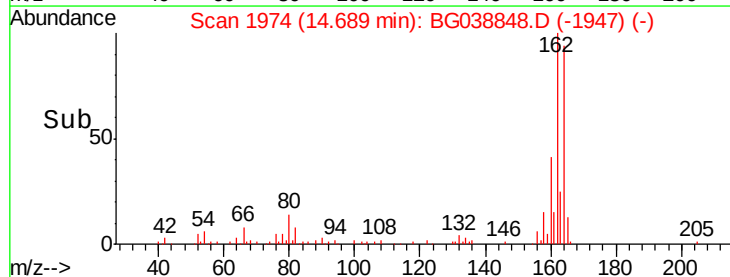
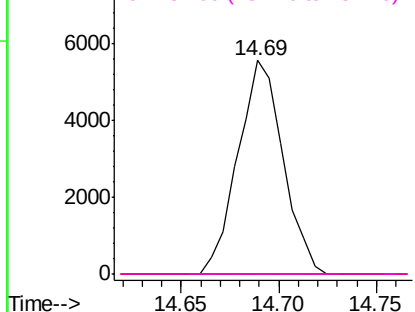


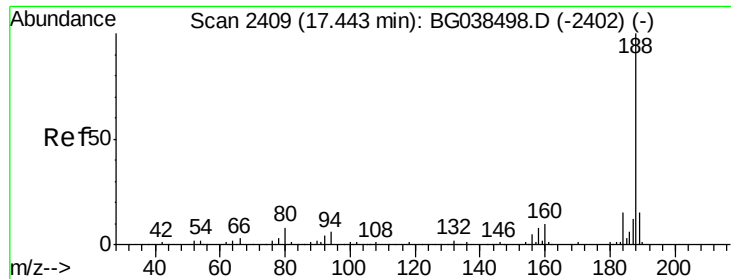
#57
 2,4-Dinitrotoluene
 Concen: 4.871 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG038848.D
 Acq: 27 Dec 2018 18:01

Tgt Ion:165 Resp: 8897
 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# 2442

Delta R.T. -0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Instrument :

BNA_G

ClientSampleId :

COMP-2

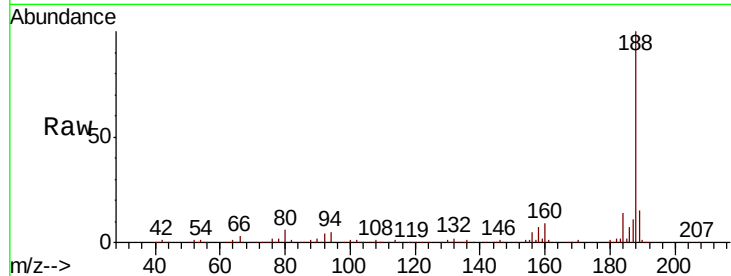
Tot Ion:188 Resp: 175523

Ion Ratio Lower Upper

188 100

94 5.3 5.1 7.7

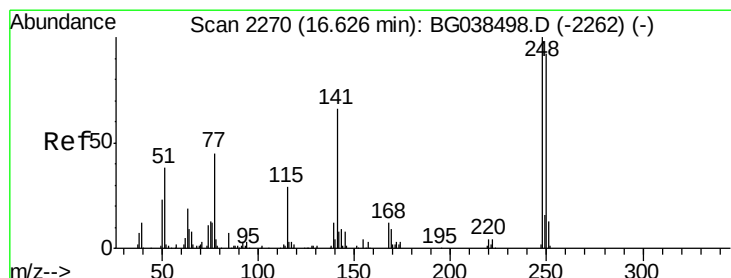
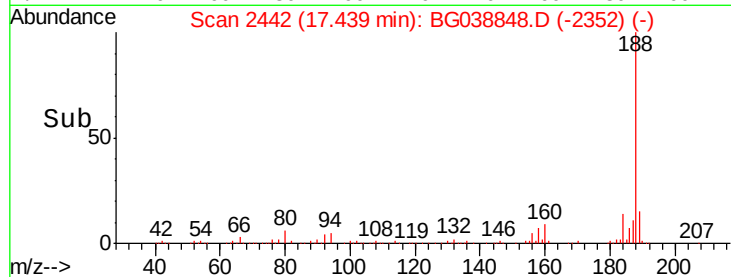
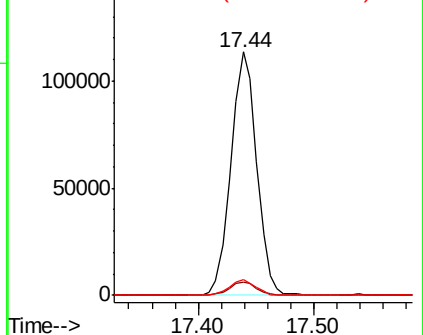
80 6.5 6.1 9.1



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: 5.176 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.44 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

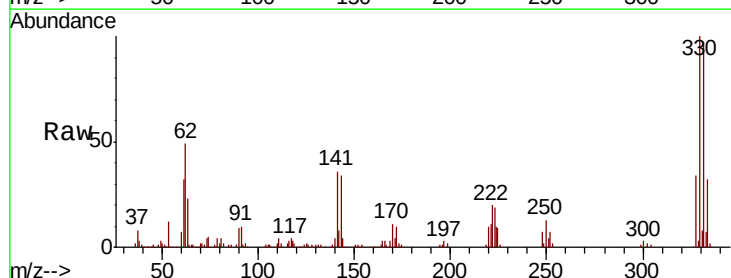
Tgt Ion:248 Resp: 11095

Ion Ratio Lower Upper

248 100

250 137.2 73.4 110.2#

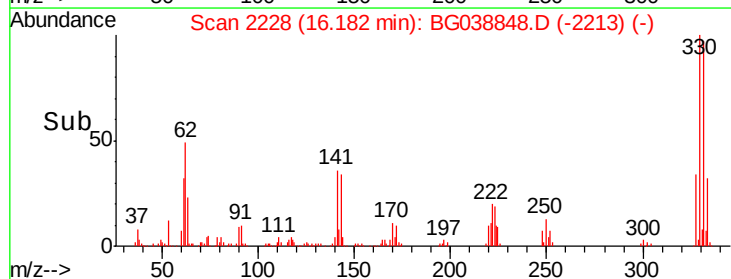
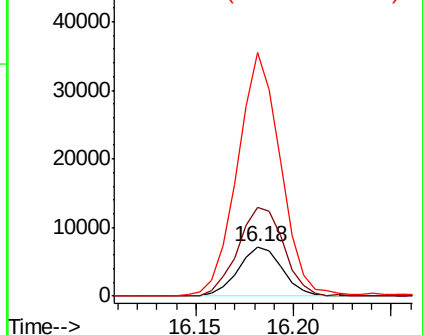
141 378.1 52.9 79.3#

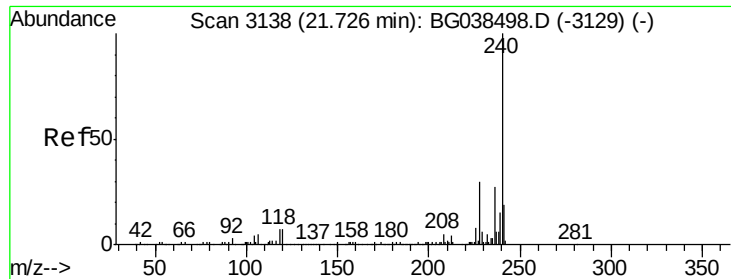


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

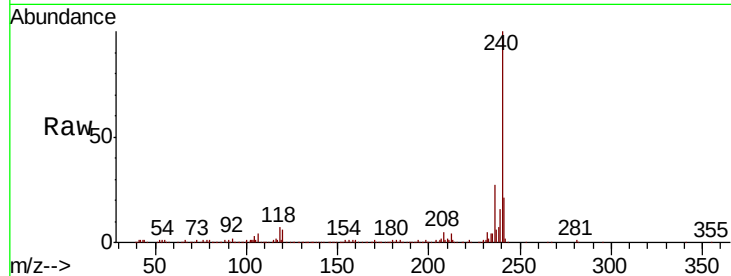




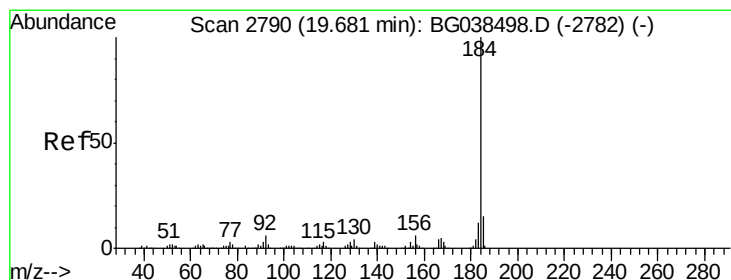
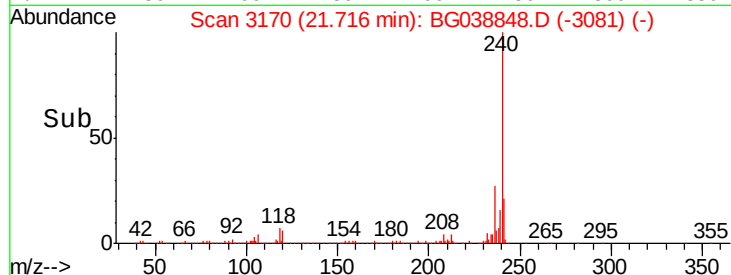
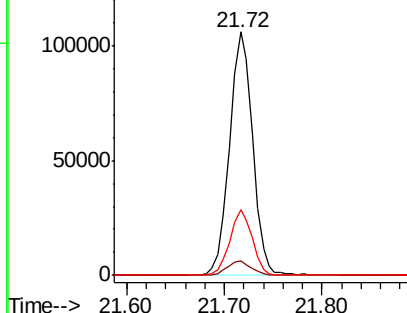
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tot Ion:240 Resp: 174508
Ion Ratio Lower Upper
240 100
120 5.9 5.3 7.9
236 27.2 21.4 32.2

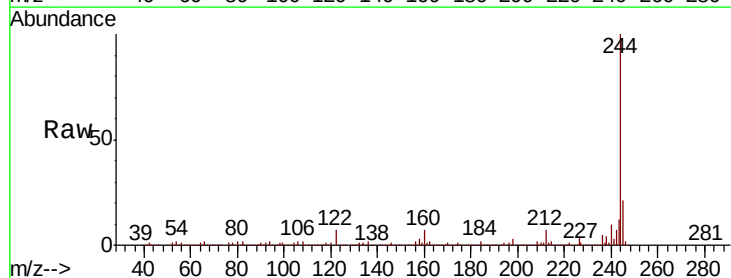


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

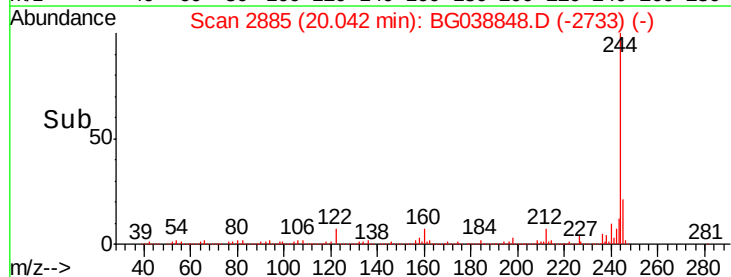
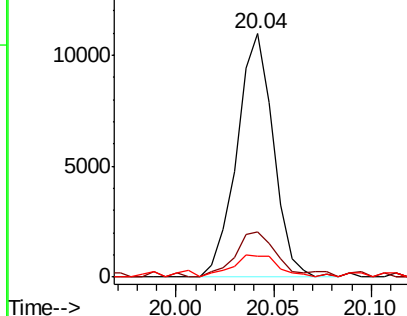


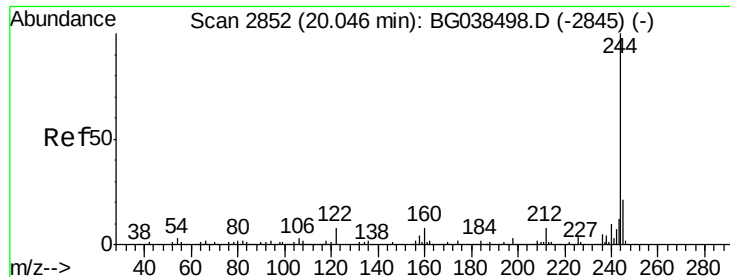
#77
Benzidine
Concen: 2.750 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038848.D
Acq: 27 Dec 2018 18:01

Tgt Ion:184 Resp: 14191
Ion Ratio Lower Upper
184 100
185 18.5 12.2 18.2#
183 8.6 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.451 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038848.D

Acq: 27 Dec 2018 18:01

Instrument :

BNA_G

ClientSampleId :

COMP-2

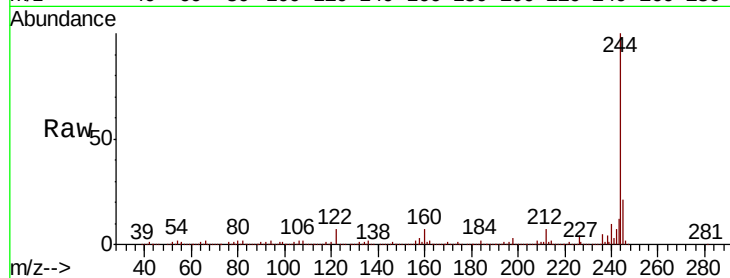
Tot Ion:244 Resp: 861592

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

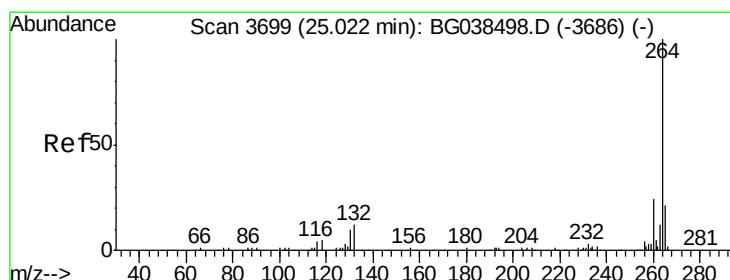
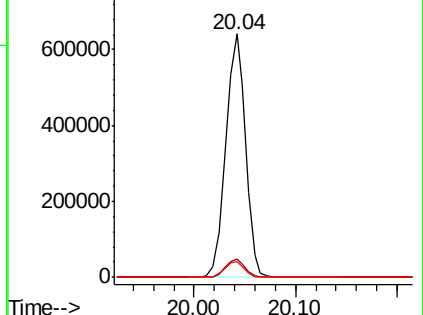
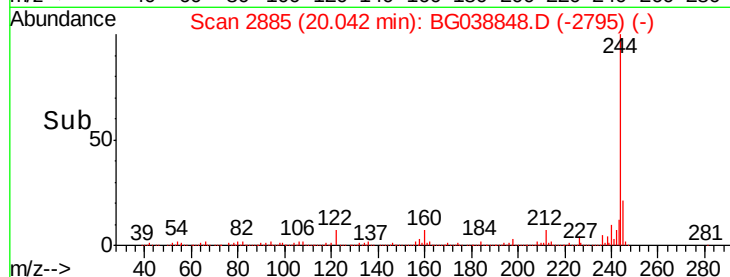
122 6.7 6.3 9.5



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: BG038848.D

Acq: 27 Dec 2018 18:01

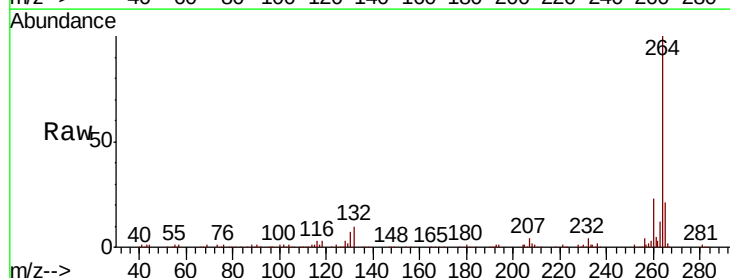
Tgt Ion:264 Resp: 190143

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 20.5 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

