

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121918\
 Data File : BG038749.D
 Acq On : 20 Dec 2018 5:38
 Operator : JU/SJ
 Sample : J6464-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16202

Quant Time: Dec 20 07:46:45 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

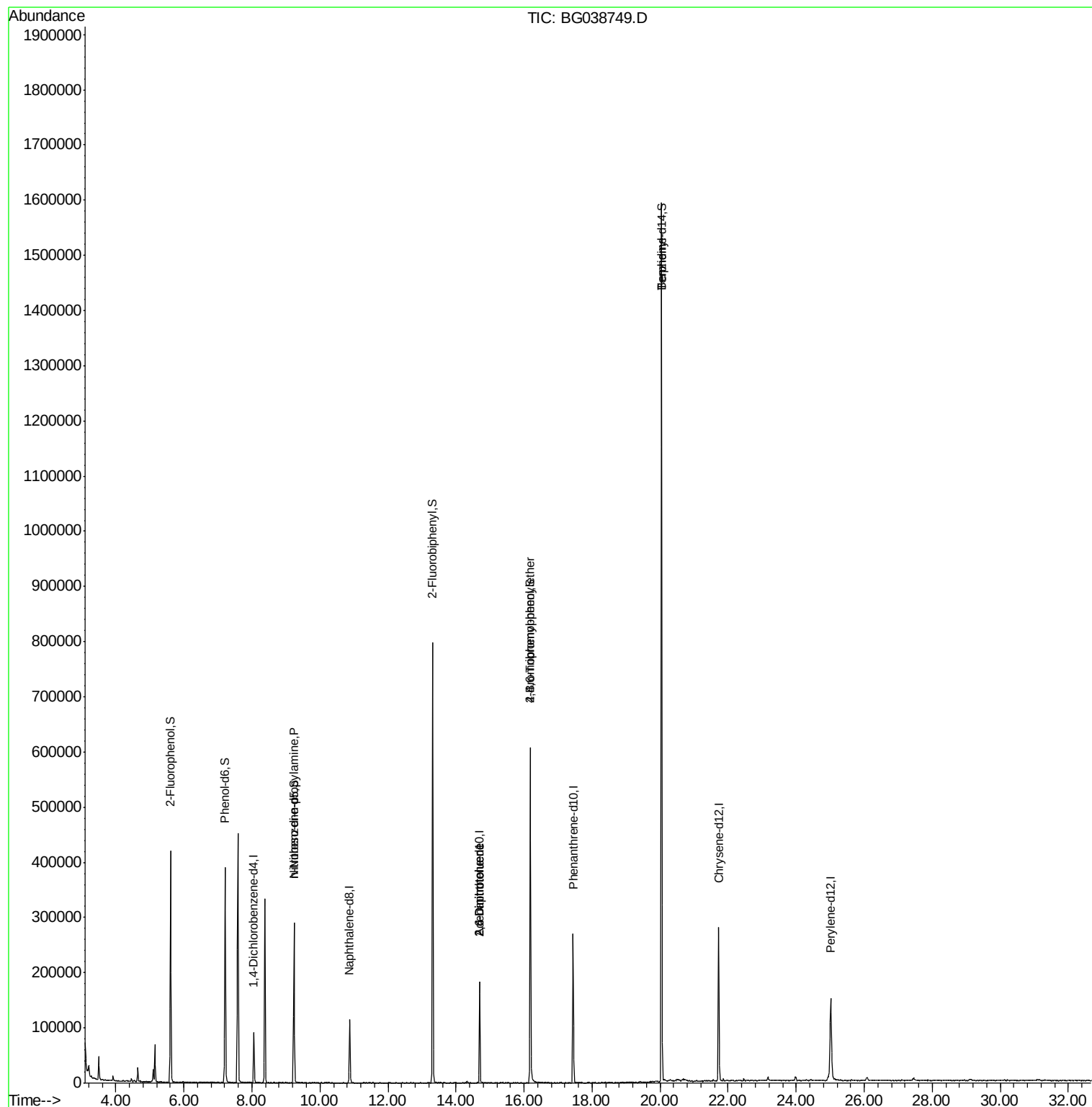
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26115	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102221	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	67997	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	181425	20.00	ng	0.00
76) Chrysene-d12	21.72	240	188569	20.00	ng	0.00
87) Perylene-d12	25.02	264	200274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	177823	120.77	ng	0.00
7) Phenol-d6	7.21	99	219261	108.48	ng	0.00
23) Nitrobenzene-d5	9.23	82	169361	84.64	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	138018	147.28	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	427919	86.33	ng	0.00
79) Terphenyl-d14	20.04	244	827348	95.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	23258	16.383	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	8980	7.136	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8980	5.067	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	8930	4.030	ng	# 1
77) Benzidine	20.04	184	14121	2.532	ng	96

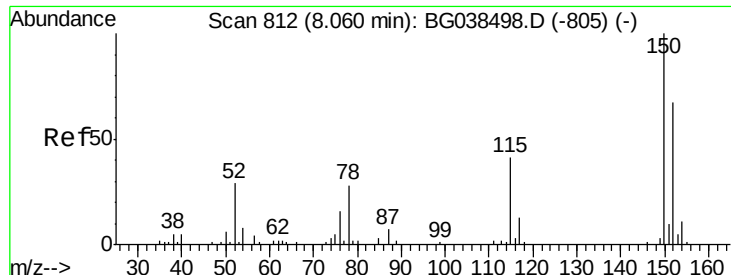
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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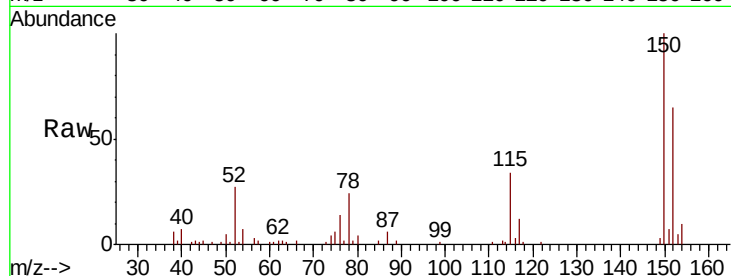




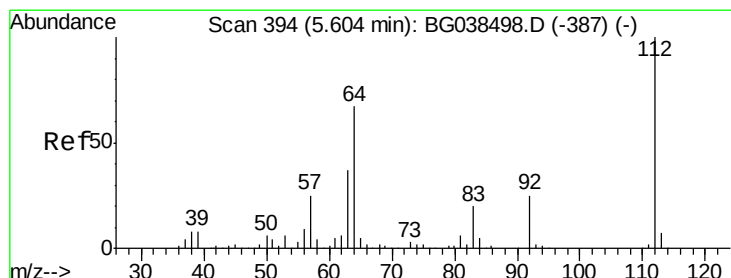
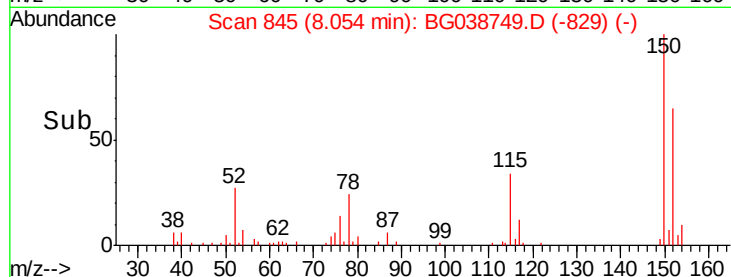
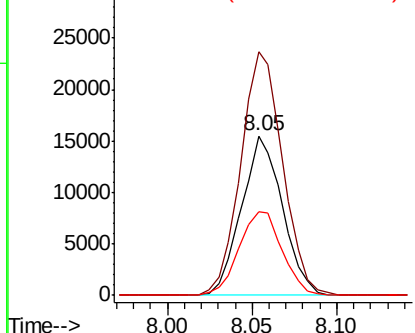
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

Instrument :
 BNA_G
 ClientSampleId :
 VB16202

Tgt Ion:152 Resp: 26115
 Ion Ratio Lower Upper
 152 100
 150 153.0 119.5 179.3
 115 52.7 49.6 74.4

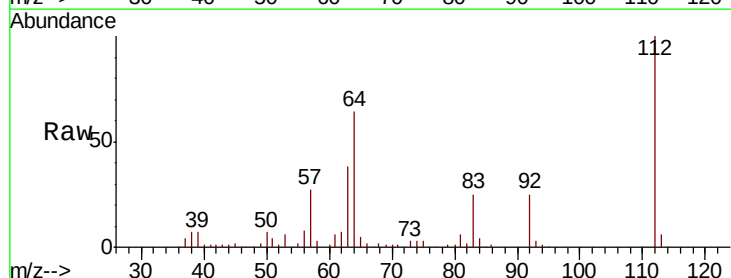


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

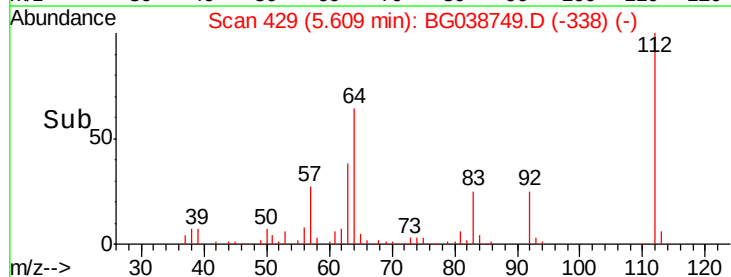
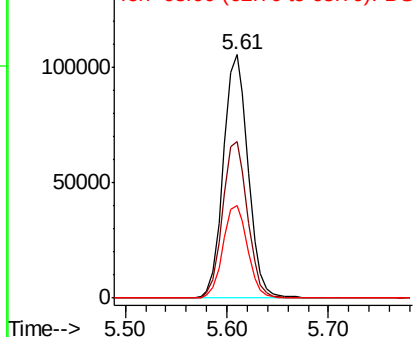


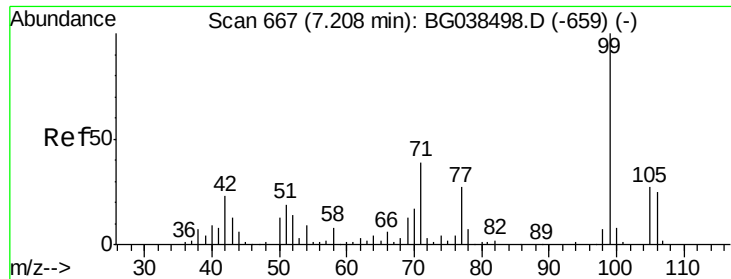
#5
 2-Fluorophenol
 Concen: 120.772 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

Tgt Ion:112 Resp: 177823
 Ion Ratio Lower Upper
 112 100
 64 64.4 53.4 80.2
 63 37.9 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: 108.475 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

Instrument :

BNA_G

ClientSampleId :

VB16202

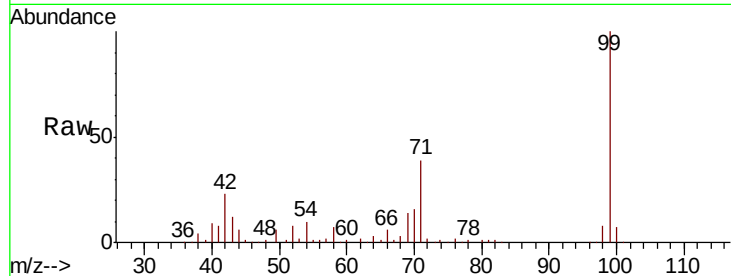
Tgt Ion: 99 Resp: 219261

Ion Ratio Lower Upper

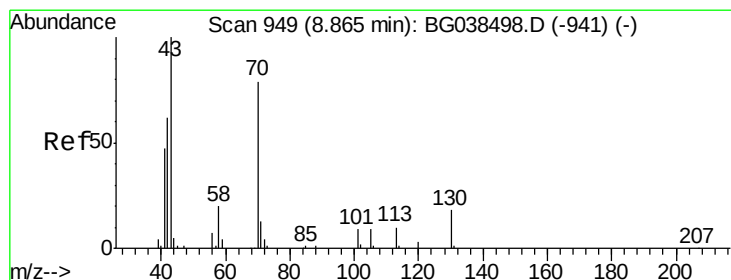
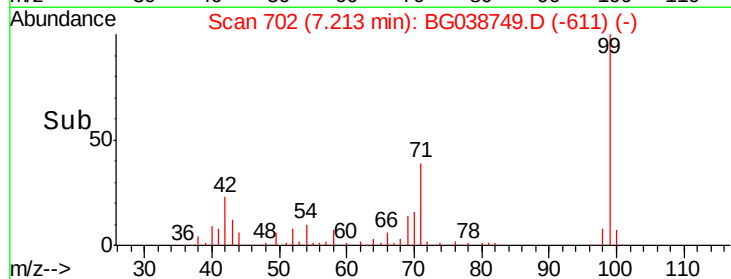
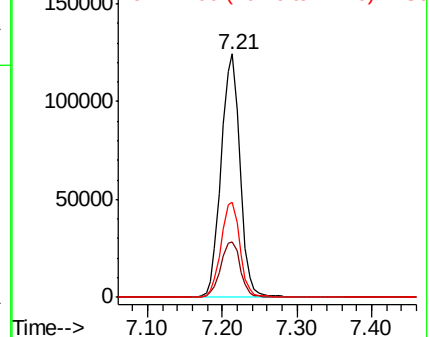
99 100

42 22.5 18.5 27.7

71 38.9 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: 16.383 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

Tgt Ion: 70 Resp: 23258

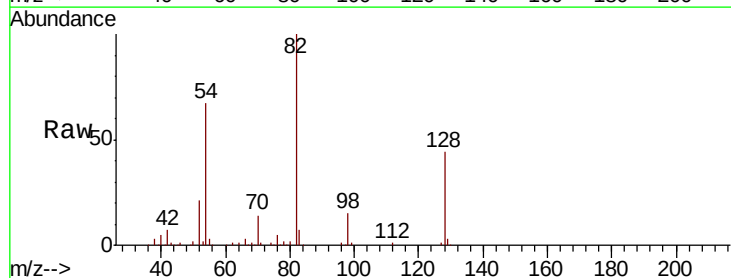
Ion Ratio Lower Upper

70 100

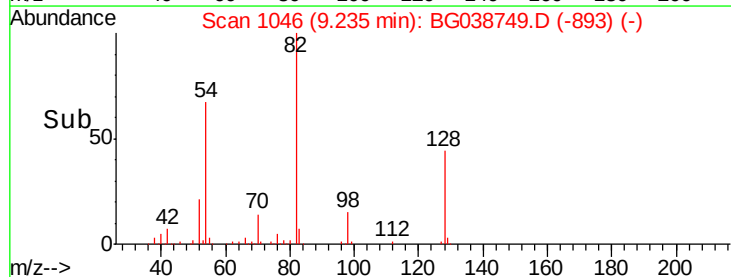
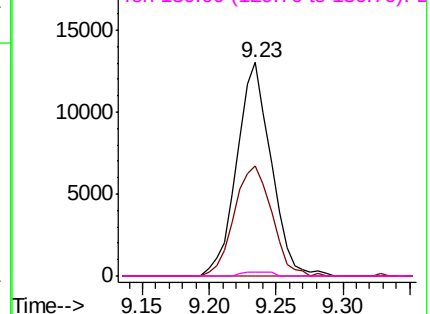
42 51.8 63.6 95.4#

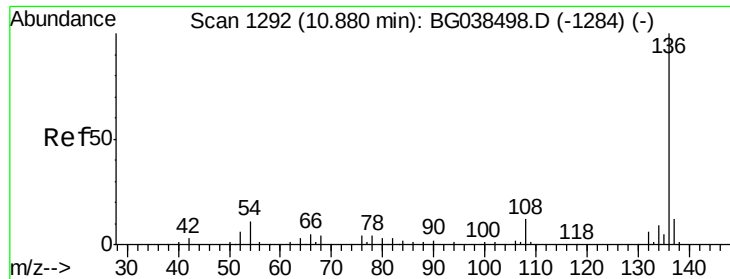
101 0.0 9.2 13.8#

130 1.9 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

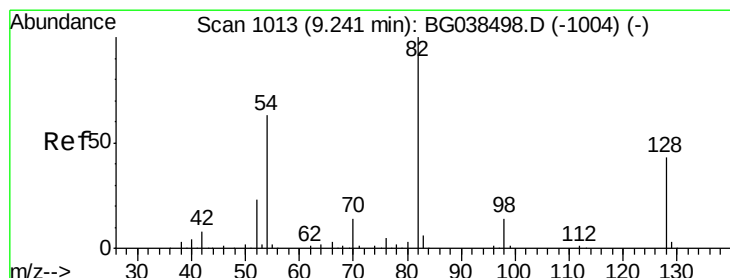
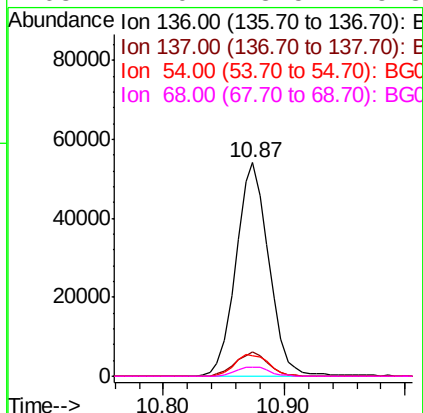
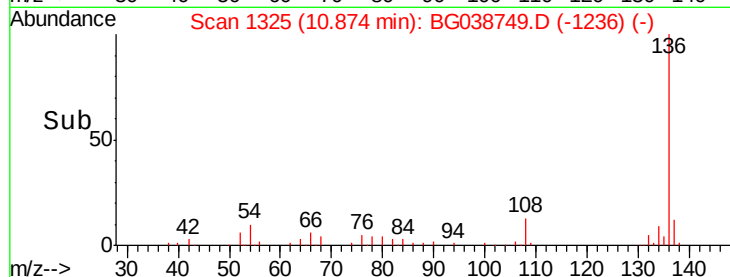
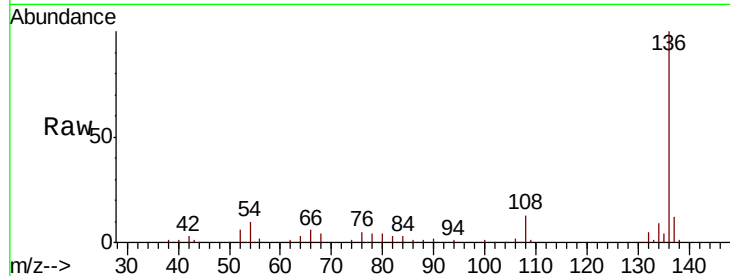




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038749.D
Acq: 20 Dec 2018 5:38

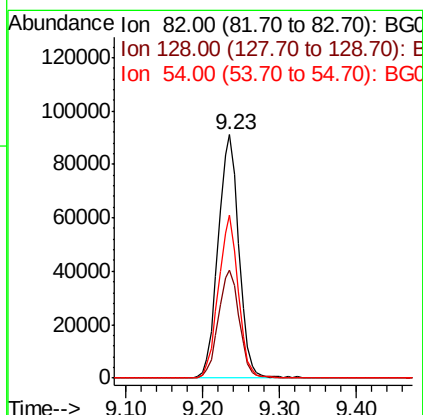
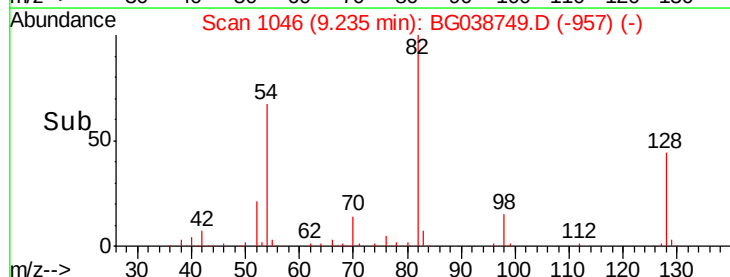
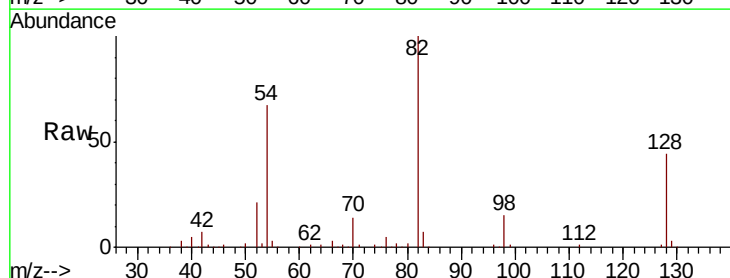
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BNA_G
ClientSampleId :
VB16202

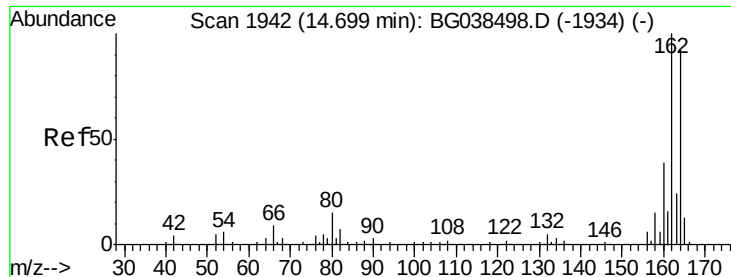
Tgt Ion:	136	Resp:	102221
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	9.5	8.5	12.7
68	4.0	3.5	5.3



#23
Nitrobenzene-d5
Concen: 84.642 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038749.D
Acq: 20 Dec 2018 5:38

Tgt Ion:	82	Resp:	169361
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	52.0
54	66.8	50.6	76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

Instrument :

BNA_G

ClientSampleId :

VB16202

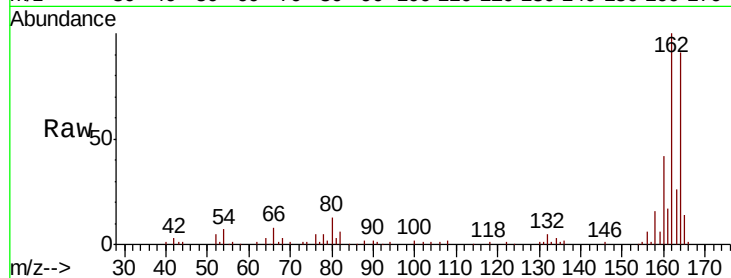
Tgt Ion:164 Resp: 67997

Ion Ratio Lower Upper

164 100

162 109.9 86.6 130.0

160 46.2 34.2 51.2

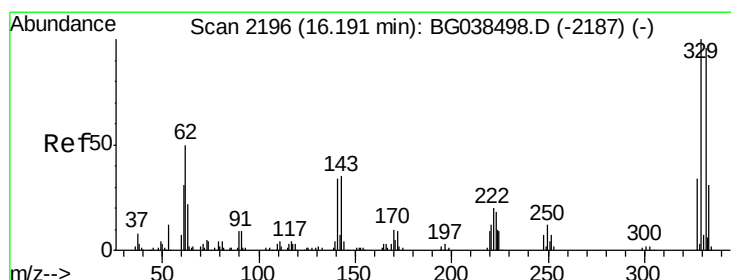
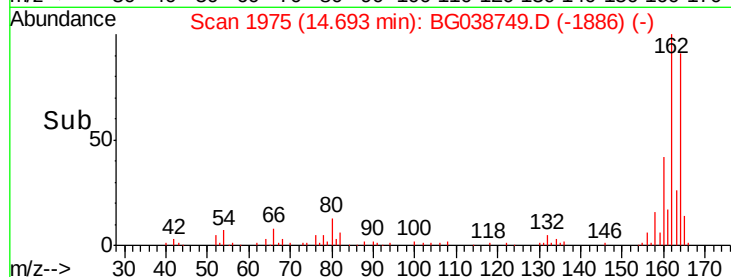
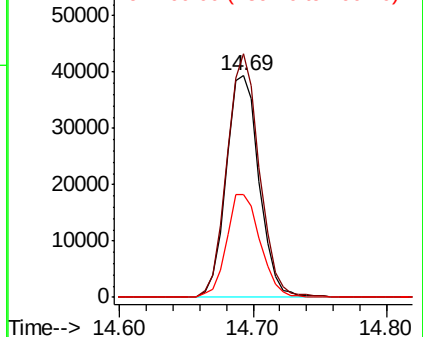


Abundance

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: 147.279 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

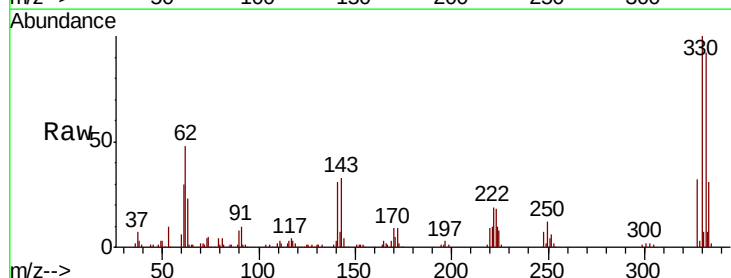
Tgt Ion:330 Resp: 138018

Ion Ratio Lower Upper

330 100

332 93.1 76.9 115.3

141 32.6 28.8 43.2

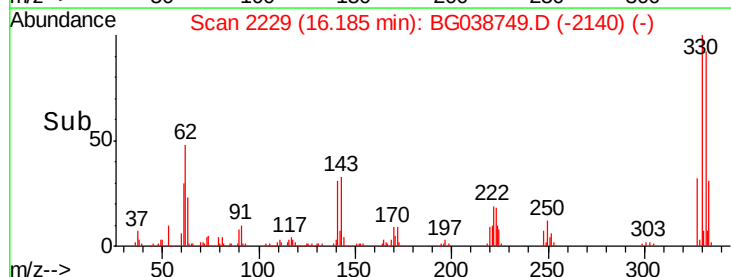
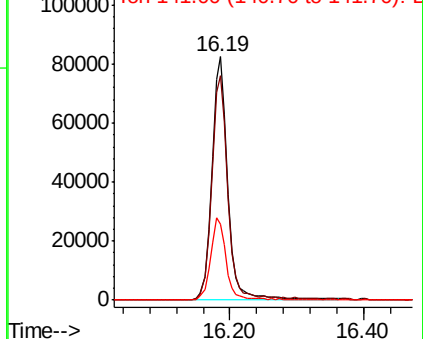


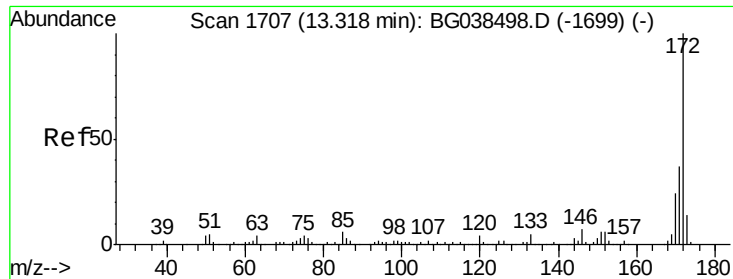
Abundance

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

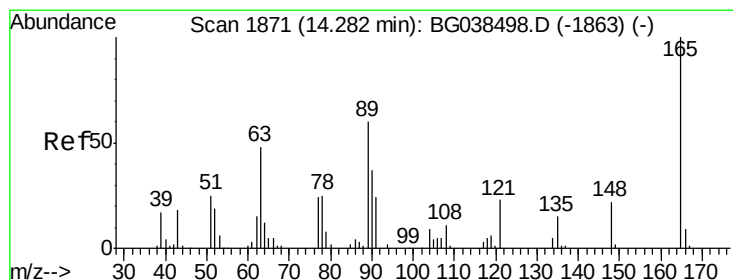
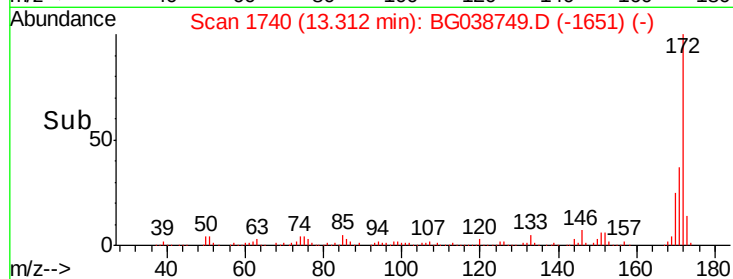
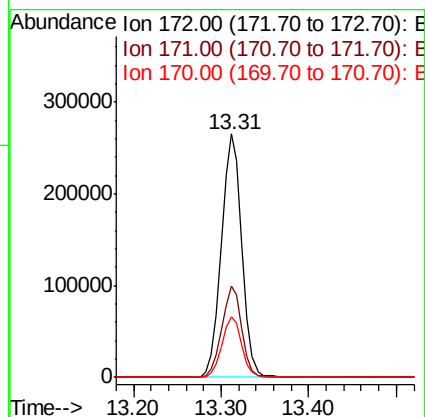
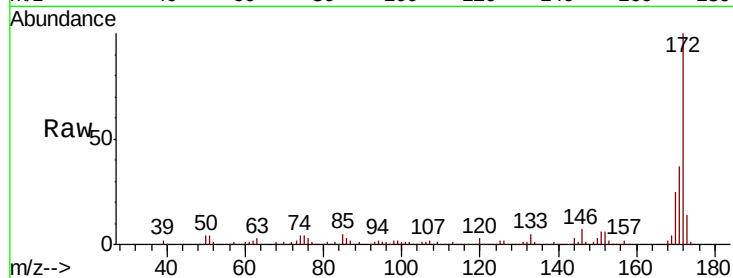




#45
 2-Fluorobiphenyl
 Concen: 86.333 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

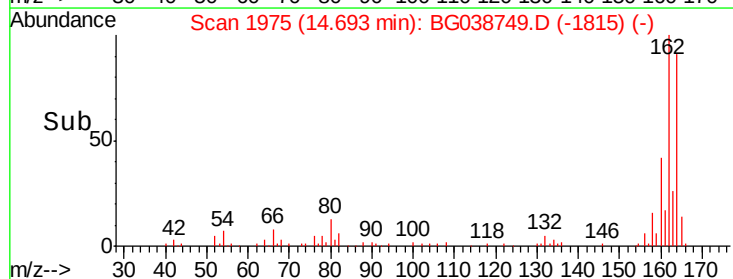
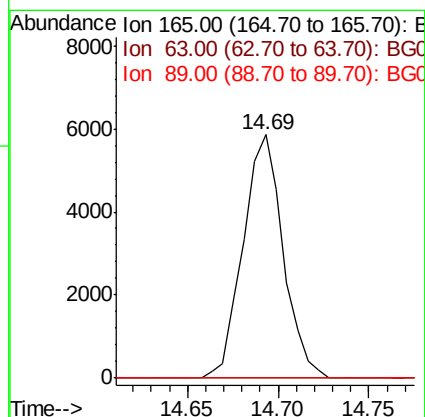
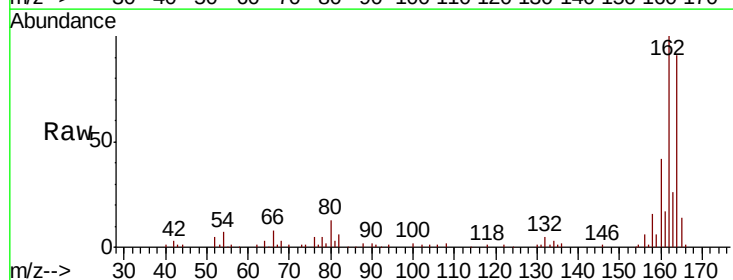
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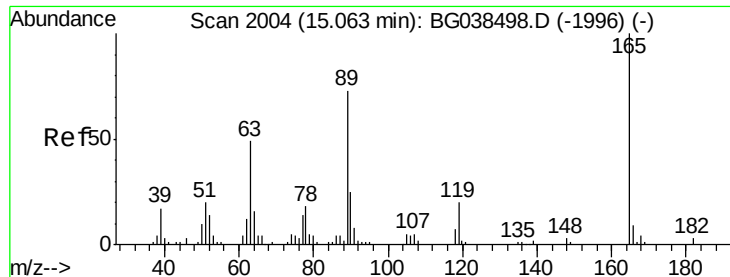
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	24.6	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.136 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

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

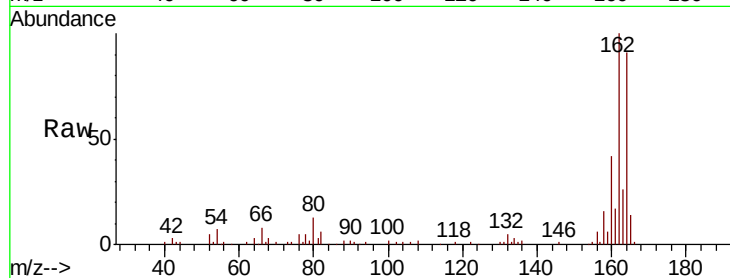




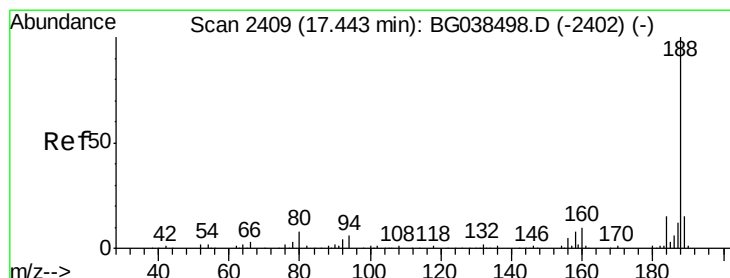
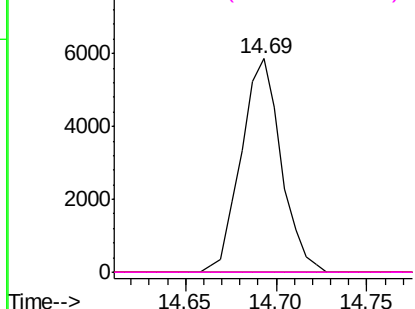
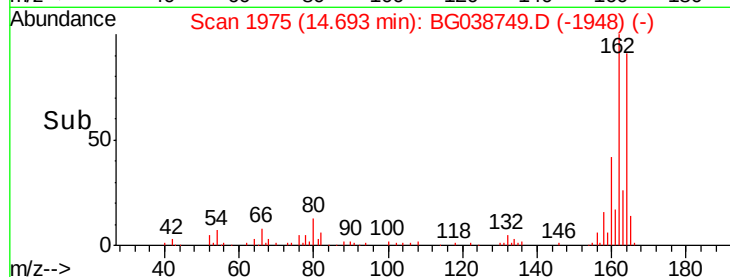
#57
 2,4-Dinitrotoluene
 Concen: 5.067 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

Instrument :
 BNA_G
 ClientSampleId :
 VB16202

Tgt Ion:	165	Resp:	8980
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#

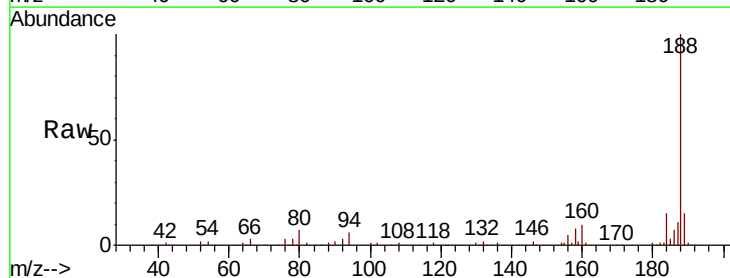


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

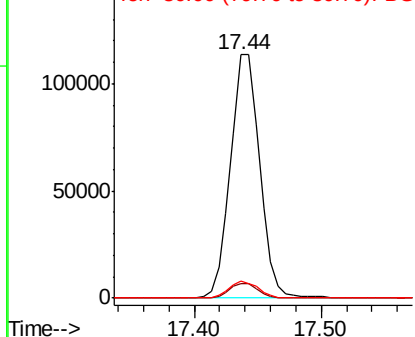
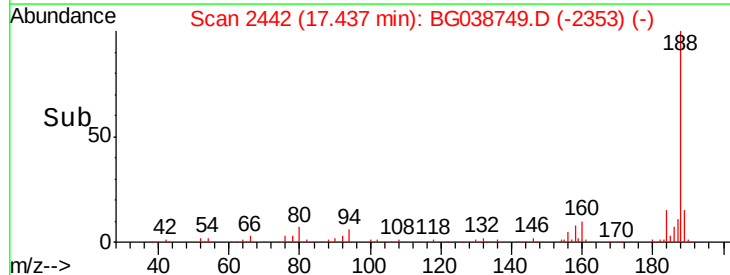


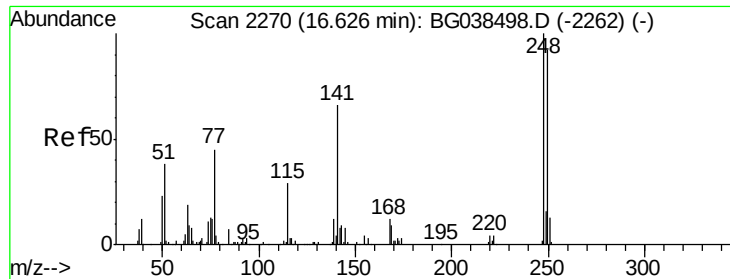
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038749.D
 Acq: 20 Dec 2018 5:38

Tgt Ion:	188	Resp:	181425
Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.1	7.7
80	7.1	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

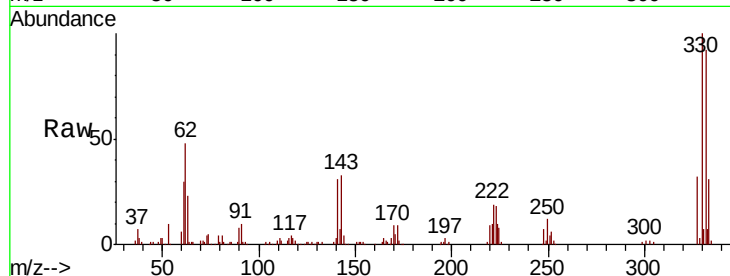




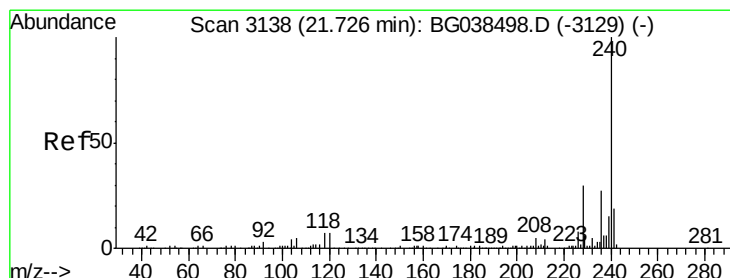
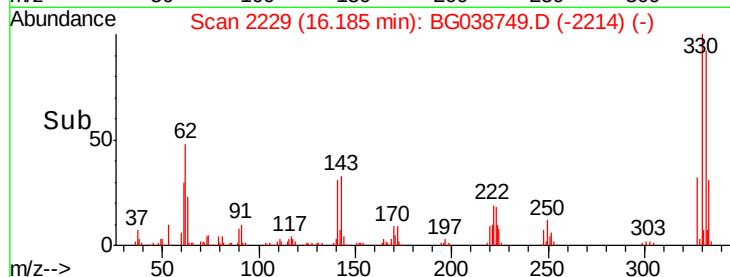
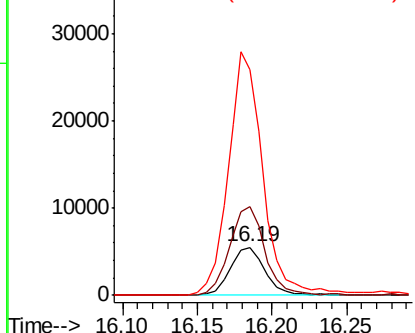
#67
4-Bromophenyl-phenylether
Concen: 4.030 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038749.D
Acq: 20 Dec 2018 5:38

Instrument :
BNA_G
ClientSampleId :
VB16202

Tgt Ion:248 Resp: 8930
Ion Ratio Lower Upper
248 100
250 188.5 73.4 110.2#
141 359.1 52.9 79.3#

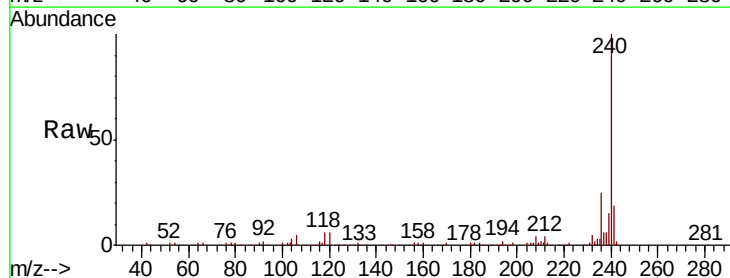


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

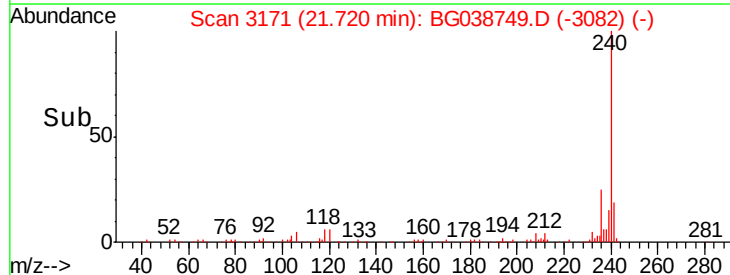
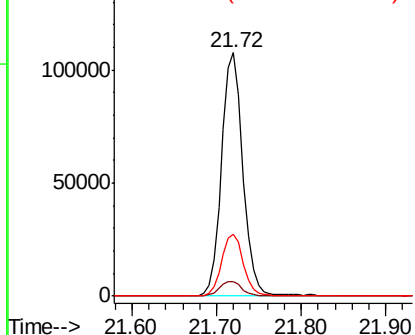


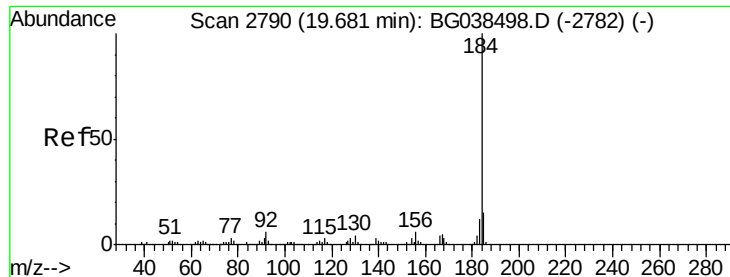
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038749.D
Acq: 20 Dec 2018 5:38

Tgt Ion:240 Resp: 188569
Ion Ratio Lower Upper
240 100
120 6.2 5.3 7.9
236 25.2 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: 2.532 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

Instrument :

BNA_G

ClientSampleId :

VB16202

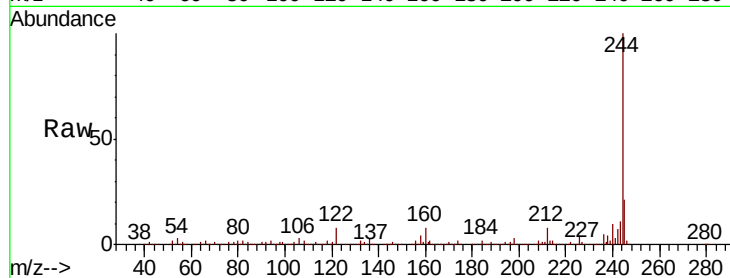
Tgt Ion:184 Resp: 14121

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.2

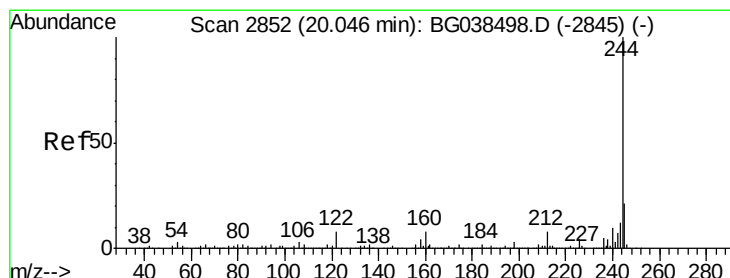
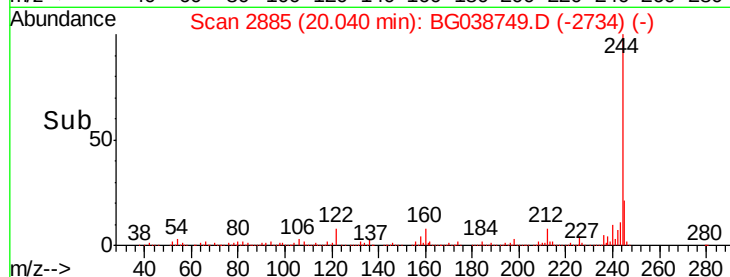
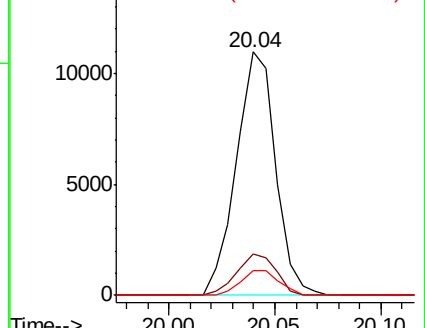
183 10.1 9.6 14.4



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: 95.487 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038749.D

Acq: 20 Dec 2018 5:38

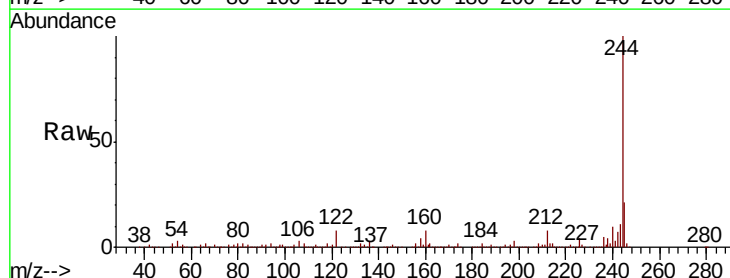
Tgt Ion:244 Resp: 827348

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

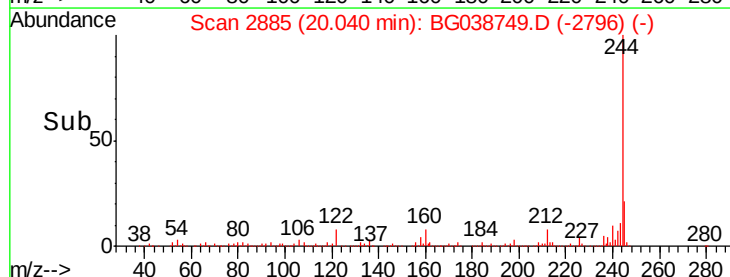
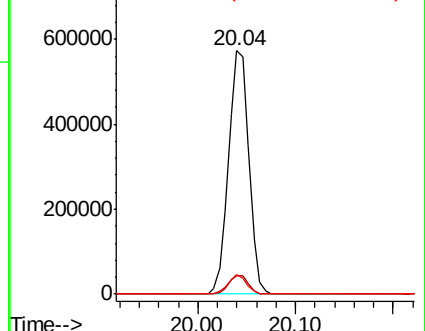
122 7.8 6.3 9.5

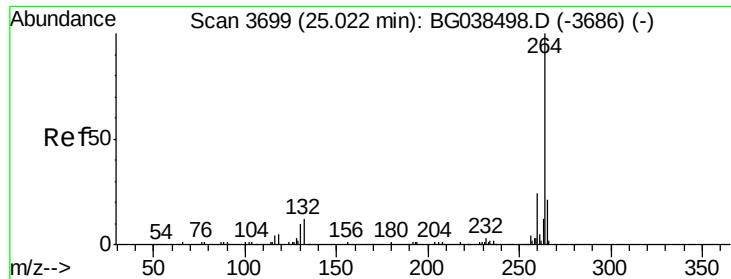


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038749.D
Acq: 20 Dec 2018 5:38

Instrument :
BNA_G
ClientSampleId :
VB16202

Tgt Ion: 264 Resp: 200274

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.9	28.3
265	21.4	17.0	25.4

