

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121818\
 Data File : BG038725.D
 Acq On : 19 Dec 2018 12:25
 Operator : JU/SJ
 Sample : J6398-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 14:23:19 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

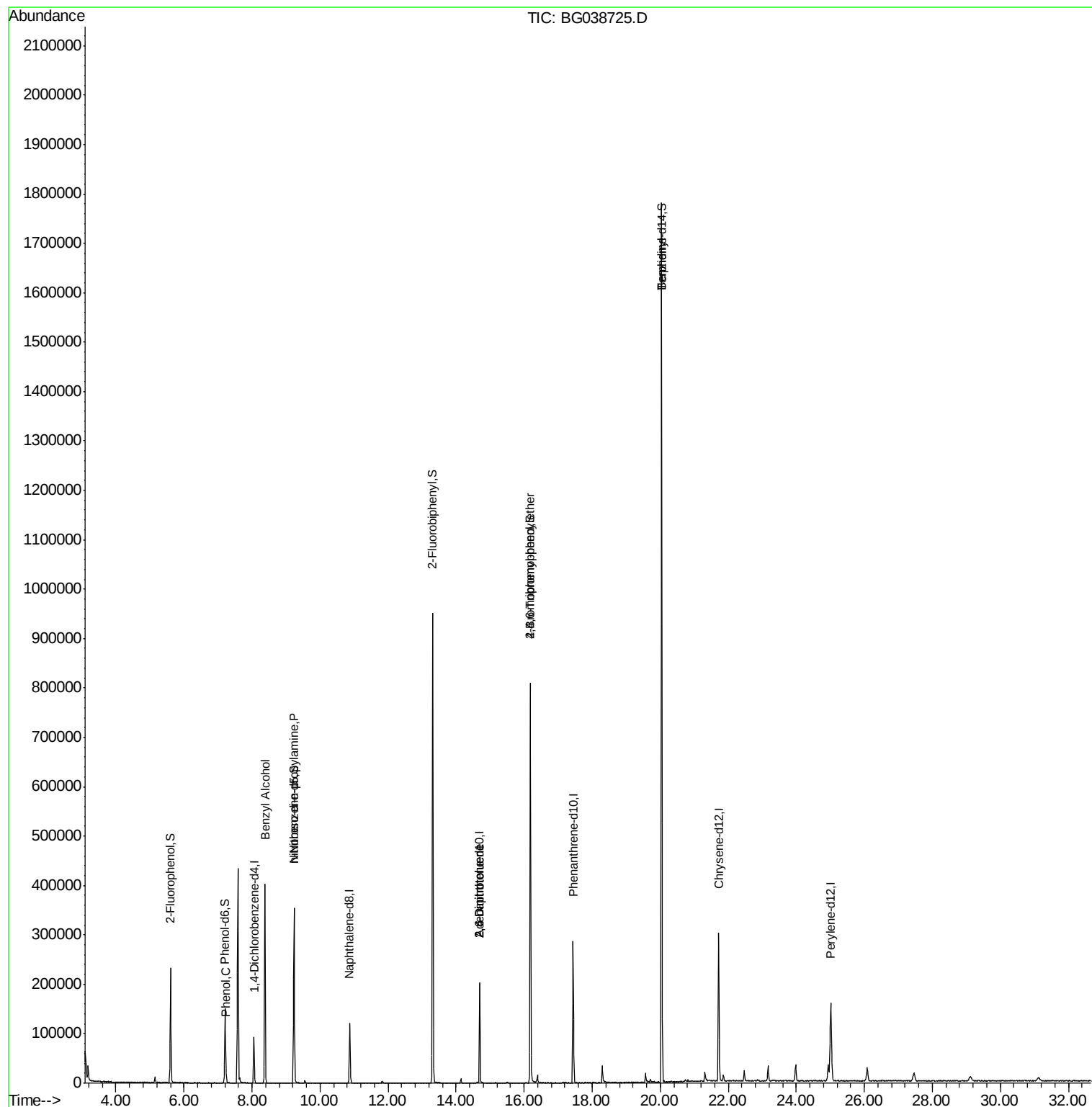
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	27056	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	108931	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	74889	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	186396	20.00	ng	0.00
76) Chrysene-d12	21.72	240	193480	20.00	ng	0.00
87) Perylene-d12	25.01	264	203212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	102289	67.06	ng	0.00
7) Phenol-d6	7.21	99	86770	41.43	ng	0.00
23) Nitrobenzene-d5	9.23	82	203682	95.52	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	162241	157.19	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	524723	96.12	ng	0.00
79) Terphenyl-d14	20.04	244	880527	99.04	ng	0.00
Target Compounds						
10) Phenol	7.24	94	9501	4.270	ng	90
15) Benzyl Alcohol	8.38	79	3450	2.111	ng	# 61
19) n-Nitroso-di-n-propylamine	9.23	70	28028	19.056	ng	# 65
51) 2,6-Dinitrotoluene	14.69	165	9327	6.730	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9327	4.778	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10805	4.746	ng	# 1
77) Benzidine	20.04	184	15975	2.792	ng	# 94

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

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Quant Time: Dec 19 14:23:19 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



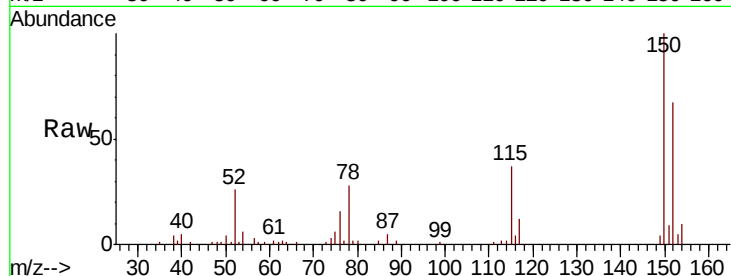


#1

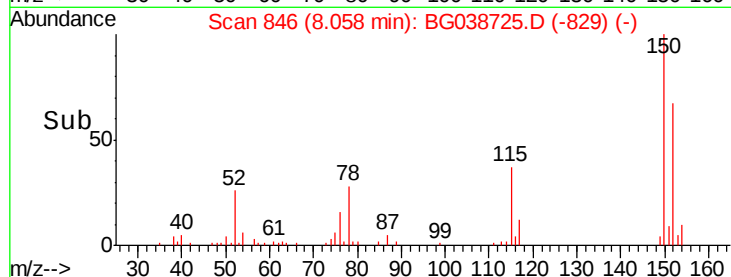
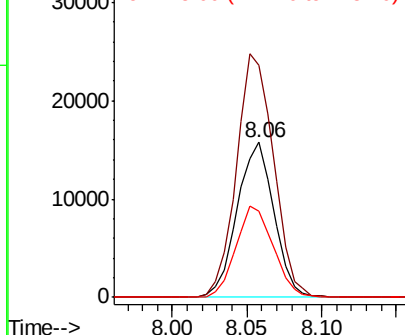
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27056
Ion Ratio Lower Upper
152 100
150 150.2 119.5 179.3
115 55.8 49.6 74.4



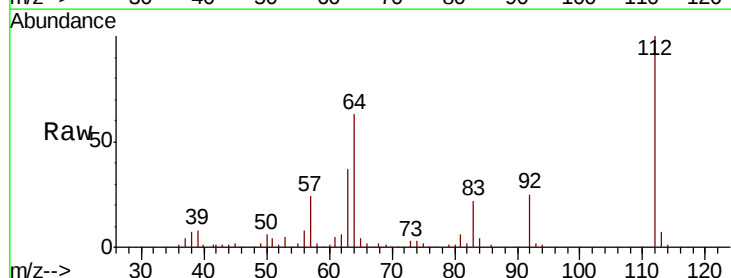
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



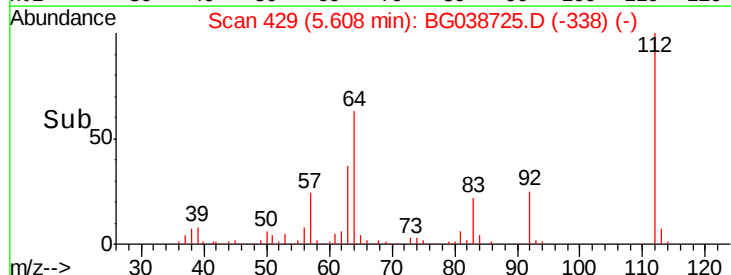
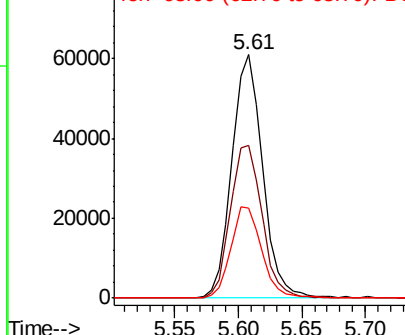
#5

2-Fluorophenol
Concen: 67.055 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

Tgt Ion:112 Resp: 102289
Ion Ratio Lower Upper
112 100
64 62.8 53.4 80.2
63 37.2 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: 41.435 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

Instrument :

BNA_G

ClientSampleId :

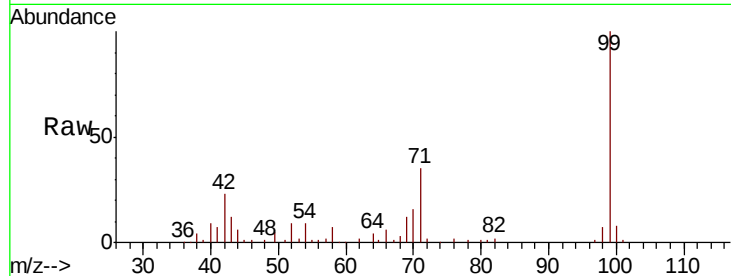
Tot Ion: 99 Resp: 86770

Ion Ratio Lower Upper

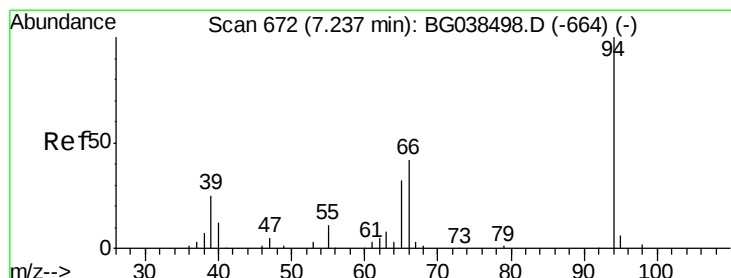
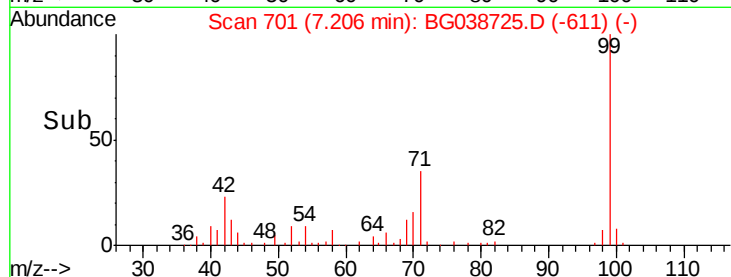
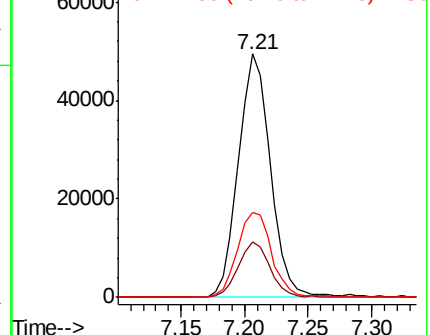
99 100

42 22.7 18.5 27.7

71 35.1 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: 4.270 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

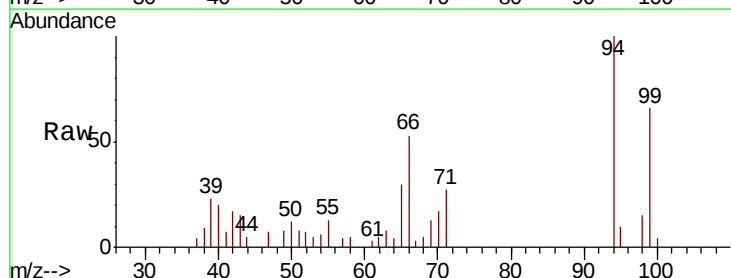
Tgt Ion: 94 Resp: 9501

Ion Ratio Lower Upper

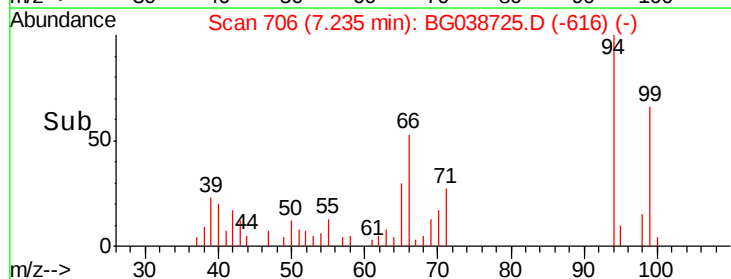
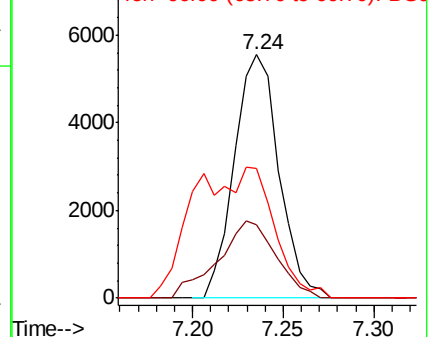
94 100

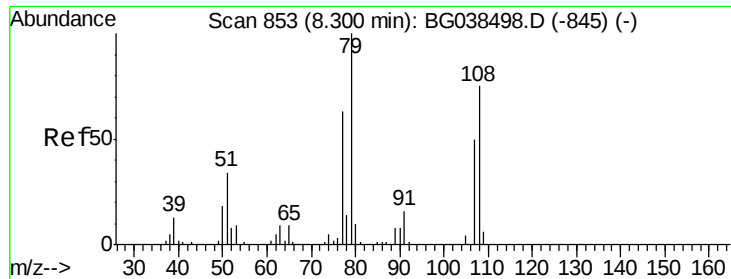
65 30.0 12.6 52.6

66 53.5 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





#15

Benzyl Alcohol

Concen: 2.111 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.07 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

Instrument :

BNA_G

ClientSampled :

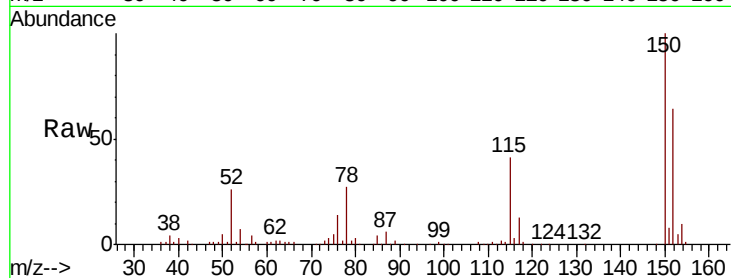
Tot Ion: 79 Resp: 3450

Ion Ratio Lower Upper

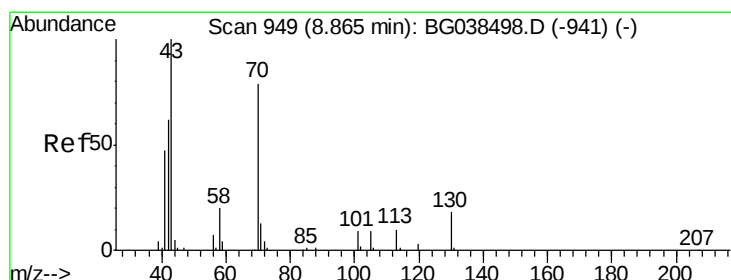
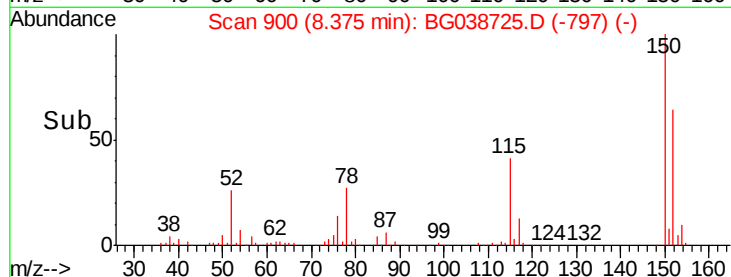
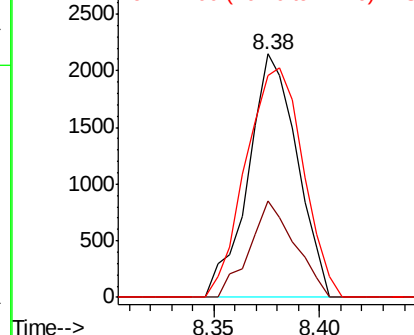
79 100

108 39.8 60.2 90.4#

77 91.2 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.056 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

Tgt Ion: 70 Resp: 28028

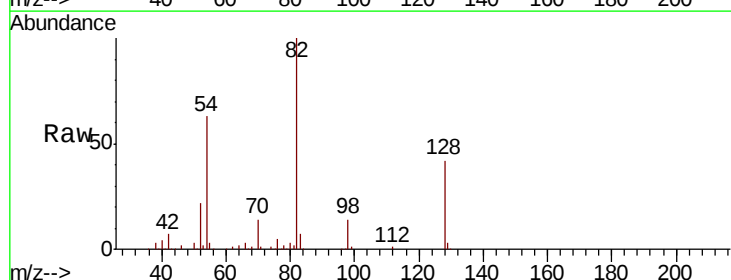
Ion Ratio Lower Upper

70 100

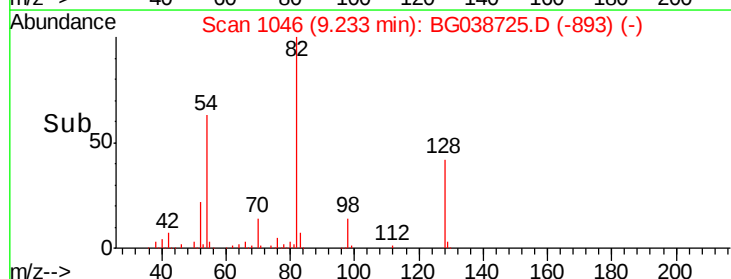
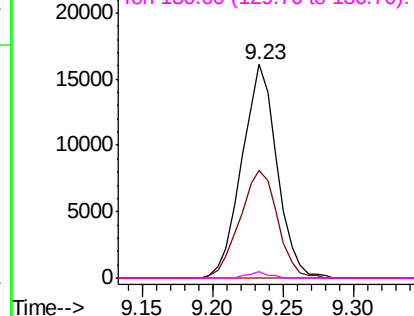
42 50.1 63.6 95.4#

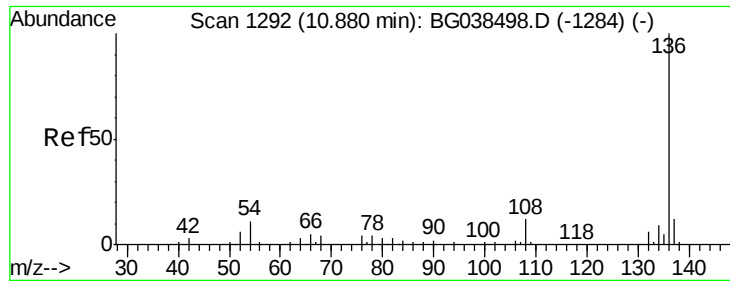
101 0.0 9.2 13.8#

130 3.0 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

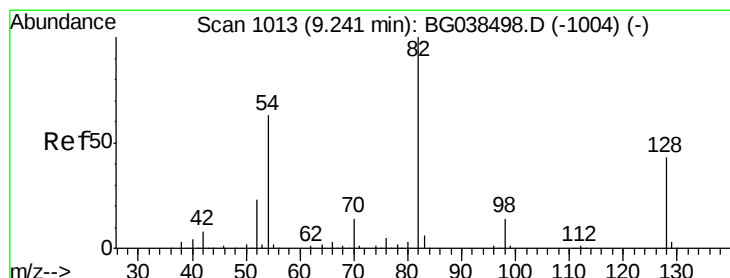
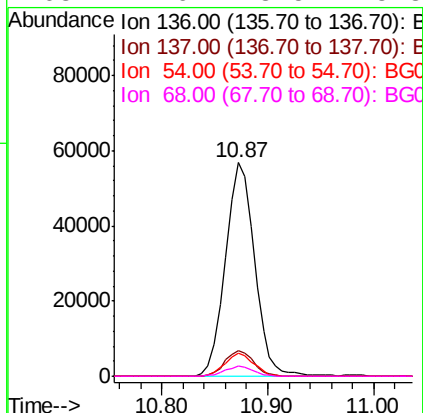
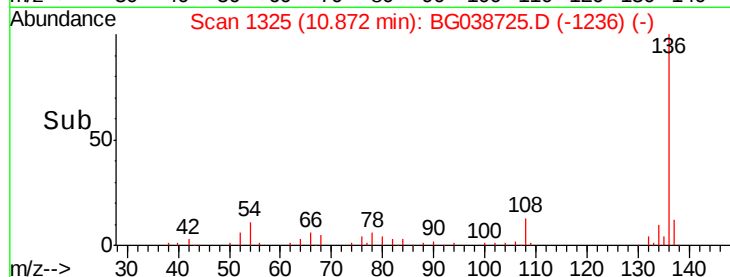
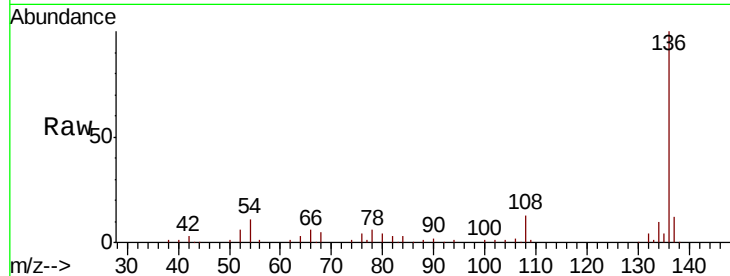




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

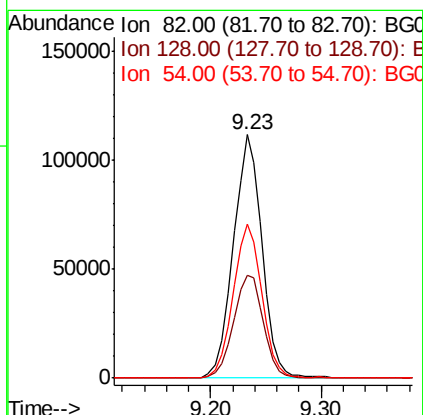
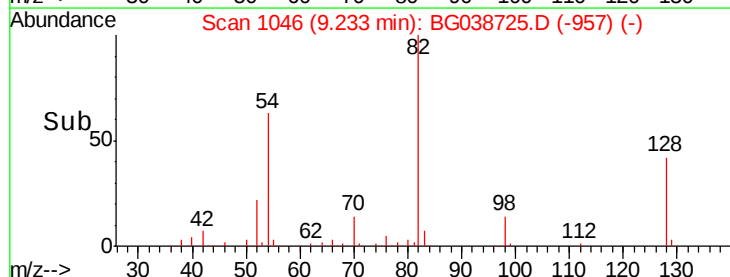
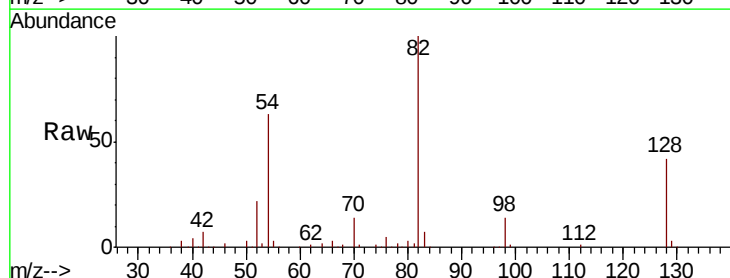
Instrument :
BNA_G
ClientSampleId :

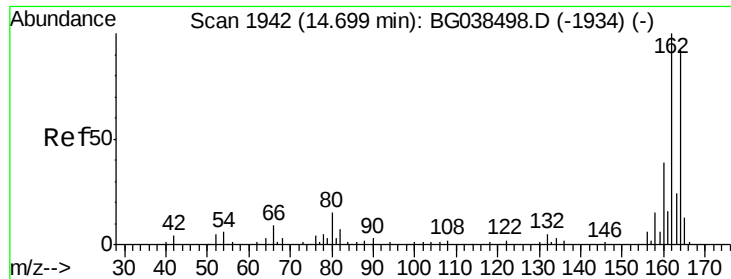
Tot Ion:136	Resp:	108931
Ion	Ratio	Lower Upper
136	100	
137	12.1	9.3 13.9
54	10.6	8.5 12.7
68	4.6	3.5 5.3



#23
Nitrobenzene-d5
Concen: 95.524 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

Tgt Ion: 82	Resp:	203682
Ion	Ratio	Lower Upper
82	100	
128	42.5	34.6 52.0
54	63.2	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: BG038725.D

Acq: 19 Dec 2018 12:25

Instrument :

BNA_G

ClientSampleId :

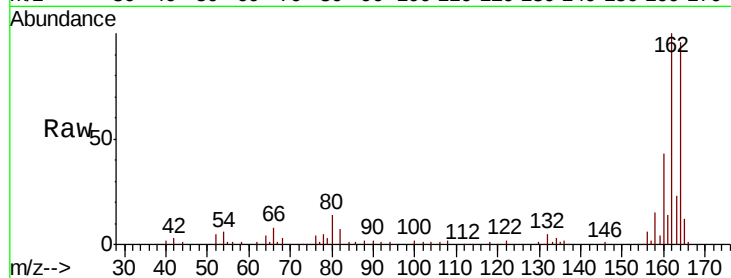
Tot Ion:164 Resp: 74889

Ion Ratio Lower Upper

164 100

162 103.9 86.6 130.0

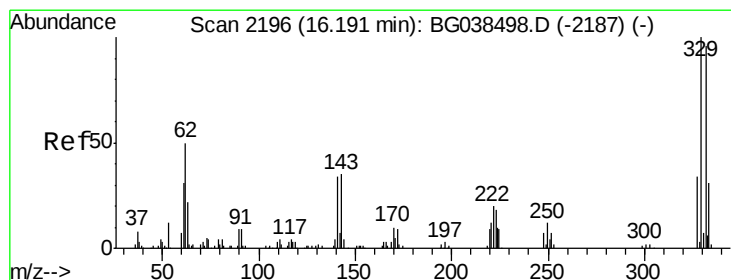
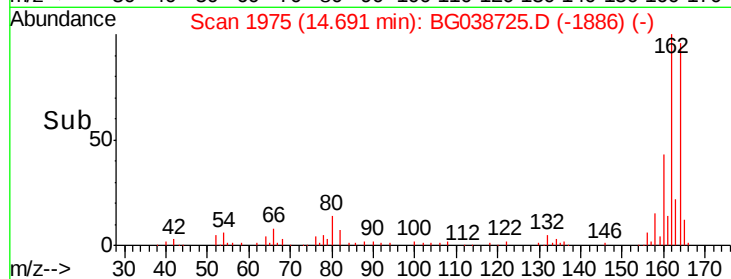
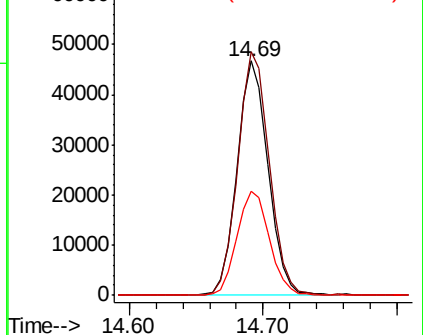
160 44.7 34.2 51.2



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: 157.194 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

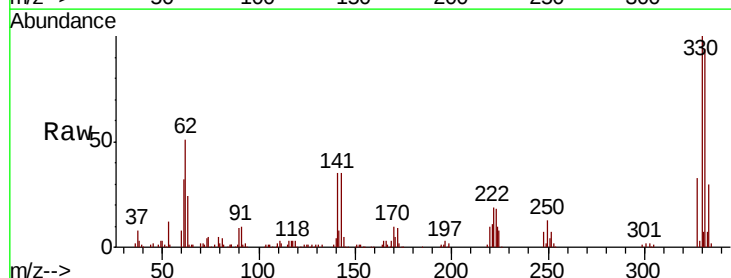
Tgt Ion:330 Resp: 162241

Ion Ratio Lower Upper

330 100

332 94.6 76.9 115.3

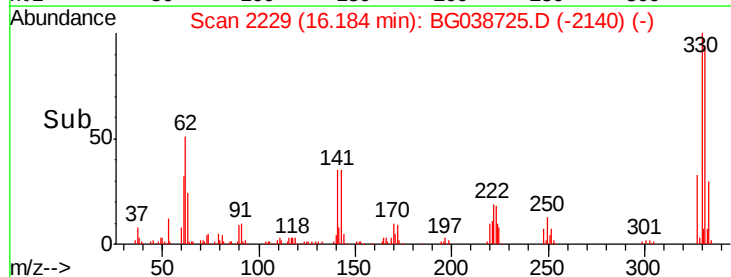
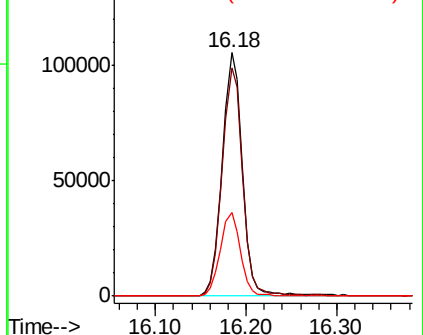
141 34.6 28.8 43.2

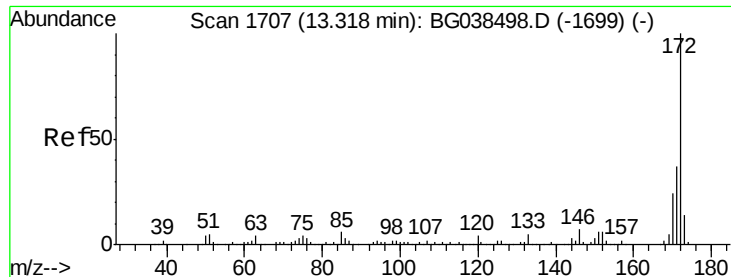


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

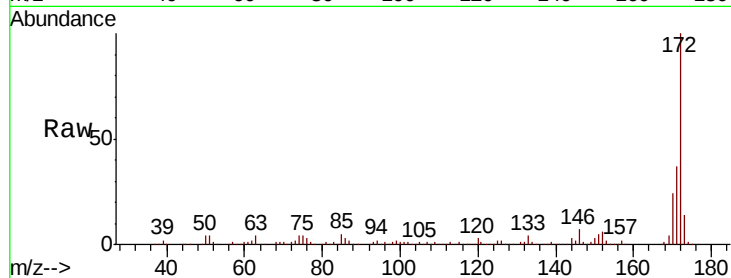




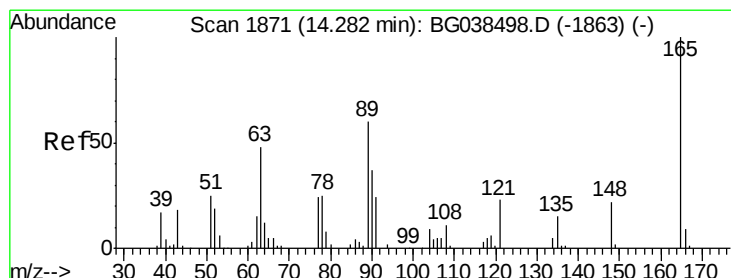
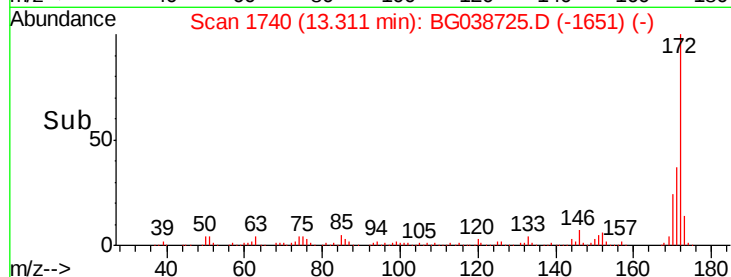
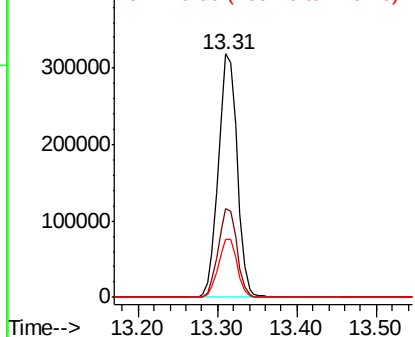
#45
 2-Fluorobiphenyl
 Concen: 96.121 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038725.D
 Acq: 19 Dec 2018 12:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 524723
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 24.0 19.5 29.3

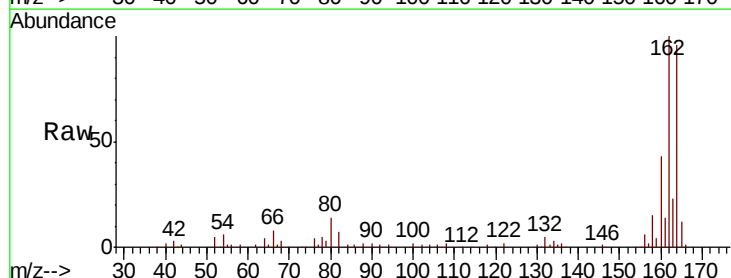


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

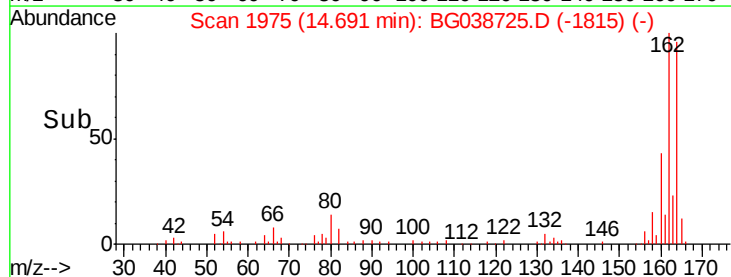
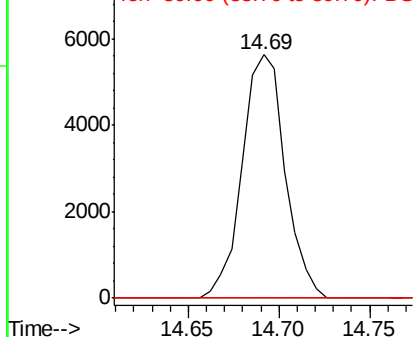


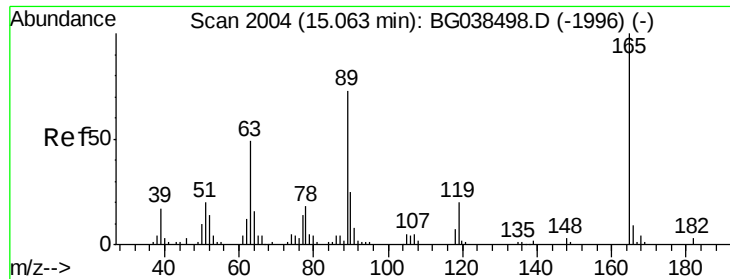
#51
 2,6-Dinitrotoluene
 Concen: 6.730 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038725.D
 Acq: 19 Dec 2018 12:25

Tgt Ion:165 Resp: 9327
 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

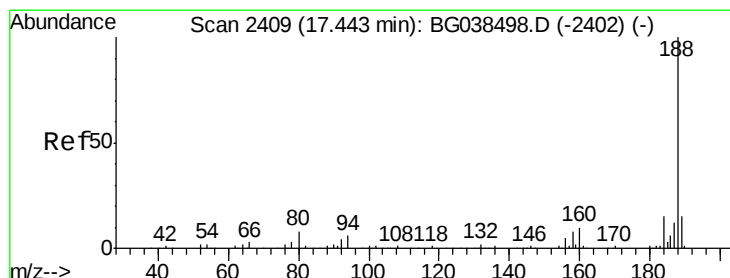
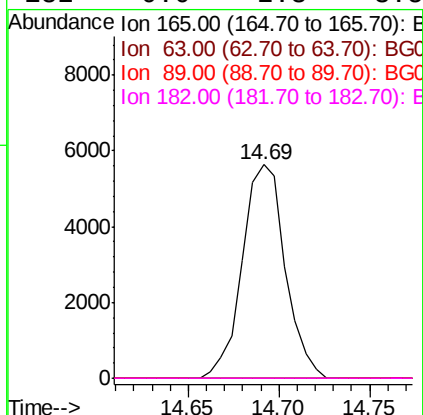
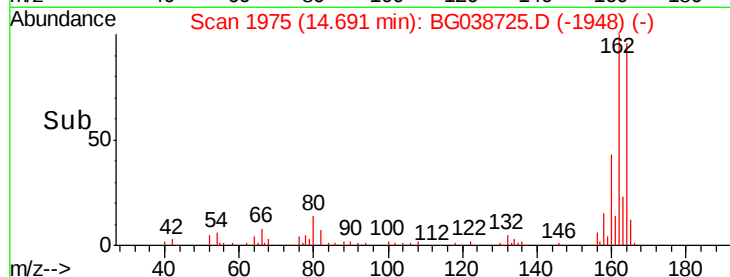
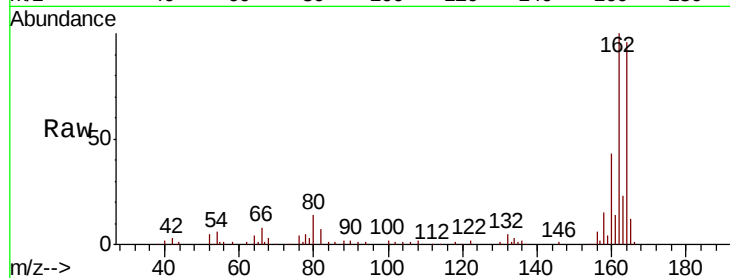




#57
 2,4-Dinitrotoluene
 Concen: 4.778 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038725.D
 Acq: 19 Dec 2018 12:25

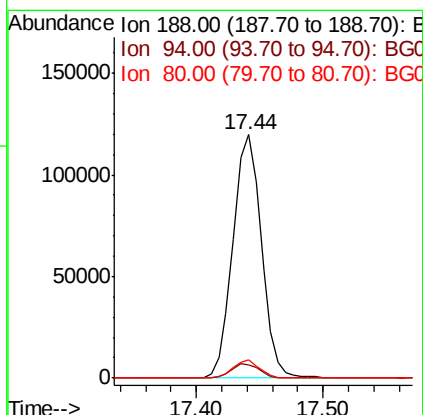
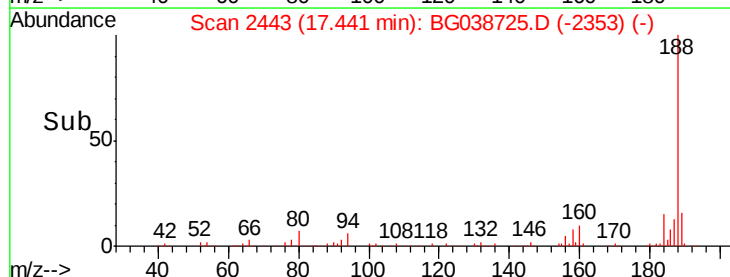
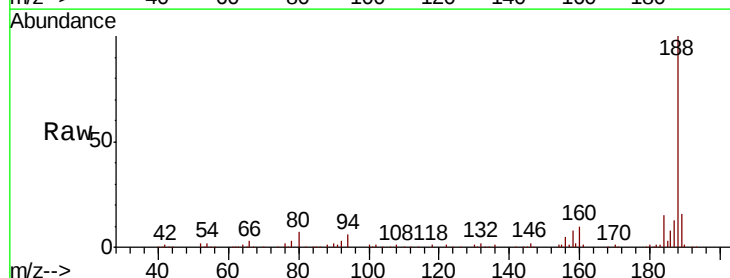
Instrument :
 BNA_G
 ClientSampleId :

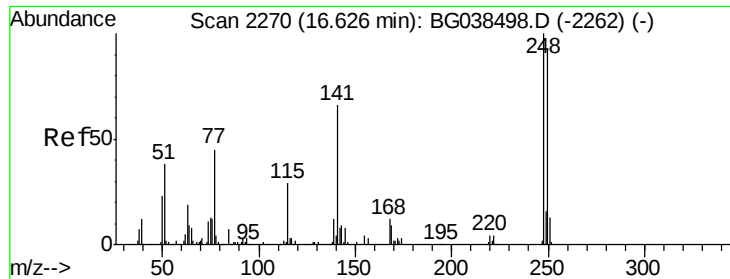
Tot Ion:165	Resp:	9327
Ion Ratio	Lower	Upper
165	100	
63	0.0	39.0 58.4#
89	0.0	58.0 87.0#
182	0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038725.D
 Acq: 19 Dec 2018 12:25

Tgt Ion:188	Resp:	186396
Ion Ratio	Lower	Upper
188	100	
94	5.7	5.1 7.7
80	7.4	6.1 9.1

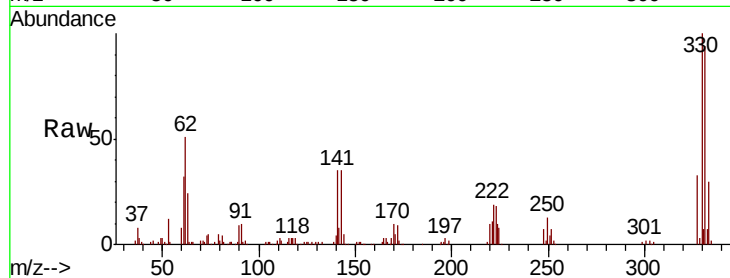




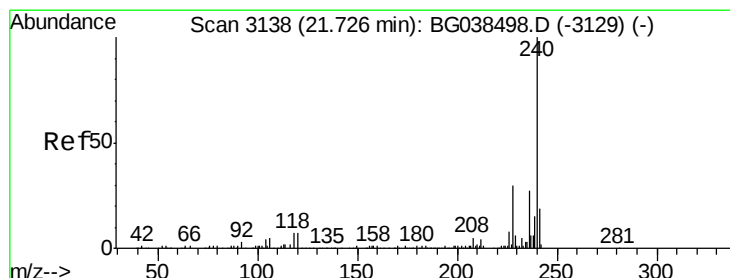
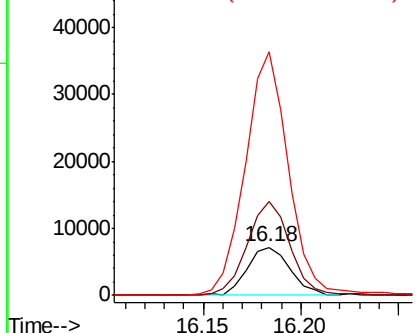
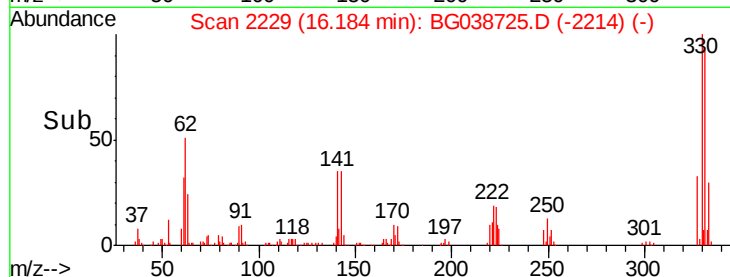
#67
4-Bromophenyl-phenylether
Concen: 4.746 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10805
Ion Ratio Lower Upper
248 100
250 185.4 73.4 110.2#
141 376.4 52.9 79.3#

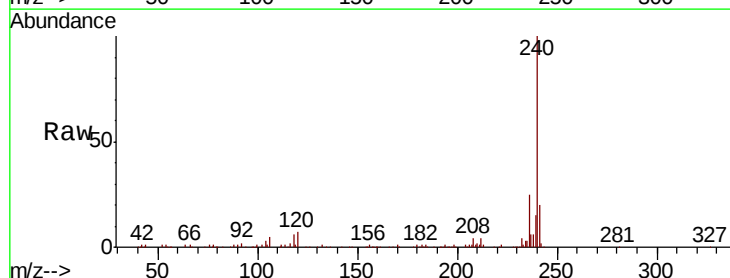


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

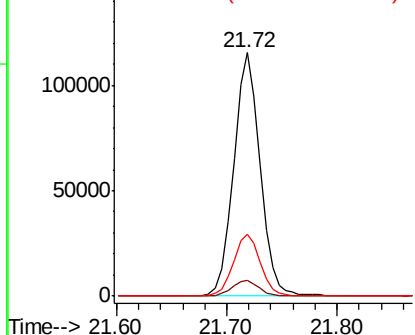
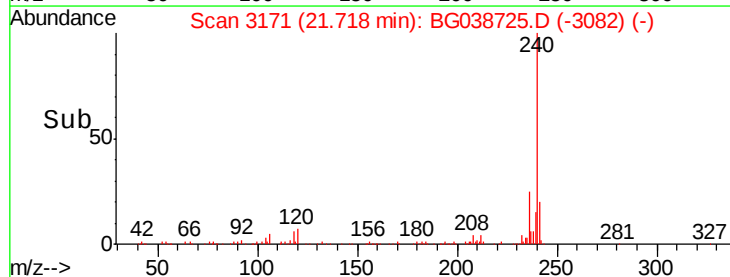


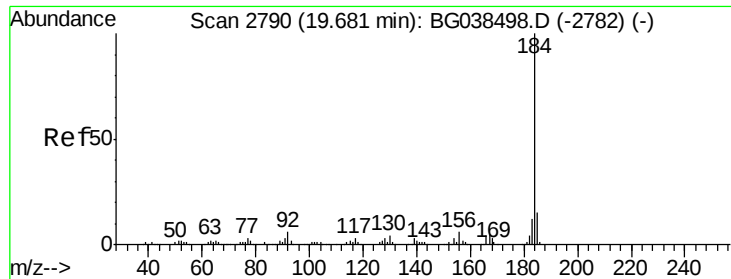
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038725.D
Acq: 19 Dec 2018 12:25

Tgt Ion:240 Resp: 193480
Ion Ratio Lower Upper
240 100
120 6.7 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: 2.792 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

Instrument :

BNA_G

ClientSampleId :

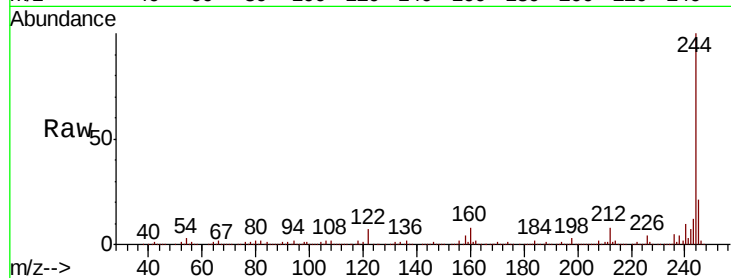
Tot Ion:184 Resp: 15975

Ion Ratio Lower Upper

184 100

185 13.6 12.2 18.2

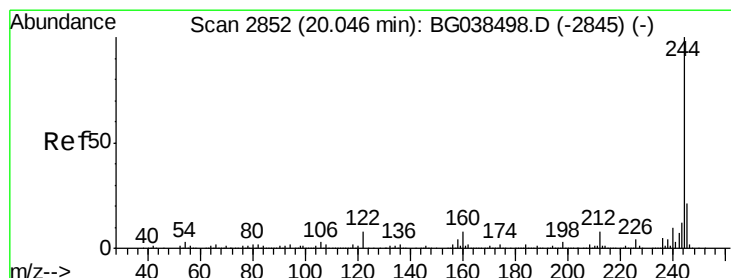
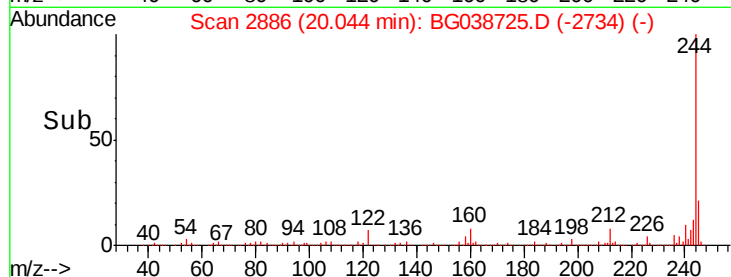
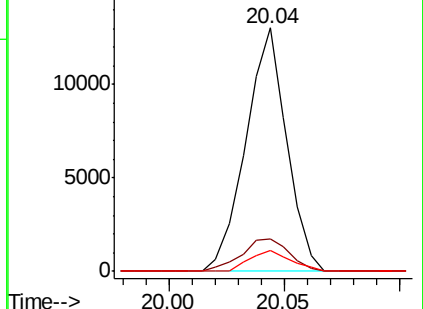
183 8.6 9.6 14.4#



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: 99.045 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038725.D

Acq: 19 Dec 2018 12:25

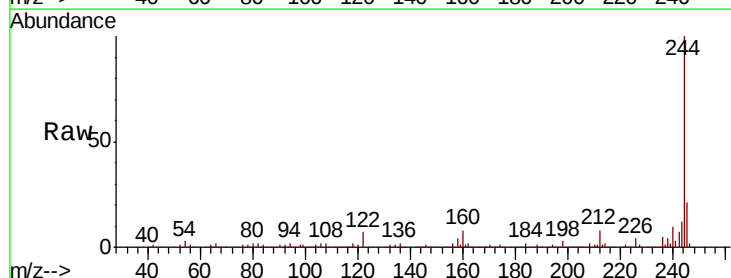
Tgt Ion:244 Resp: 880527

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

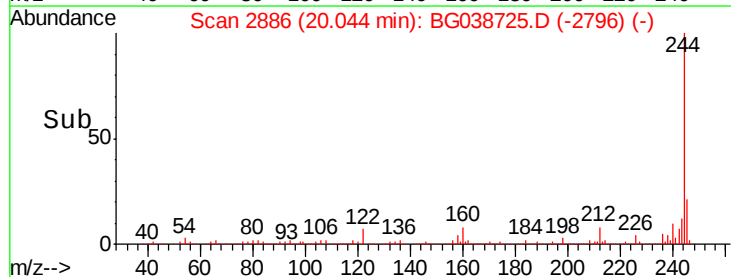
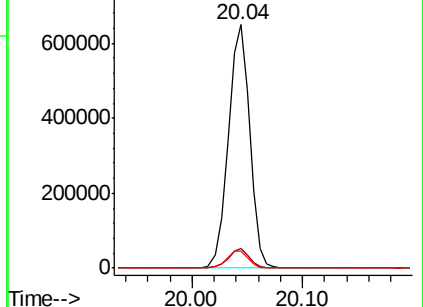
122 7.0 6.3 9.5

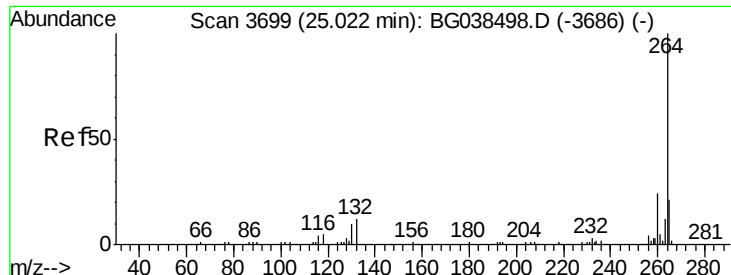


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038725.D
 Acq: 19 Dec 2018 12:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.9	28.3
265	21.7	17.0	25.4

