

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
 Data File : BG041197.D
 Acq On : 11 Jun 2019 20:33
 Operator : HP/JU
 Sample : PB120503TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:59:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

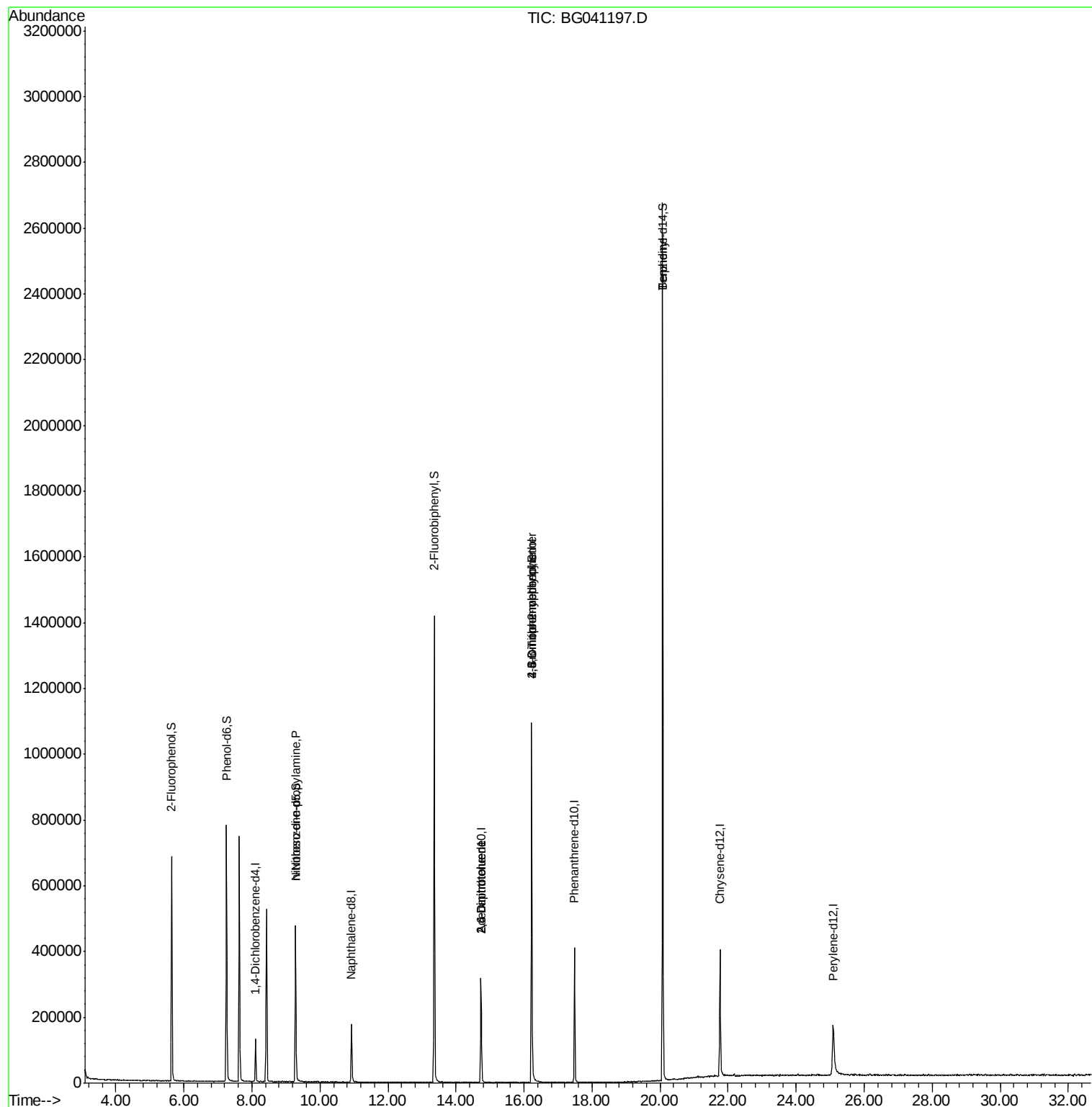
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	34059	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	150682	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	116446	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	288684	20.00	ng	0.00
76) Chrysene-d12	21.76	240	280779	20.00	ng	0.00
87) Perylene-d12	25.09	264	251065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	273622	144.87	ng	0.00
7) Phenol-d6	7.25	99	415103	142.30	ng	0.00
23) Nitrobenzene-d5	9.28	82	299604	88.27	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	226954	131.28	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	749762	92.72	ng	0.00
79) Terphenyl-d14	20.07	244	1348276	101.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	43507	19.381	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	14737	6.934	ng	# 19
57) 2,4-Dinitrotoluene	14.73	165	14737	4.909	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.21	198	694	8.958	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	16495	4.234	ng	# 1
77) Benzidine	20.07	184	22931	3.424	ng	# 91

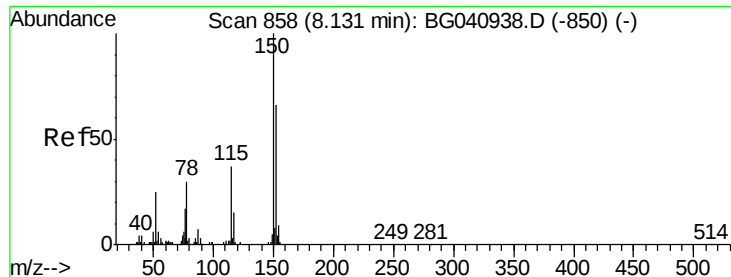
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 5 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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Response via : Initial Calibration



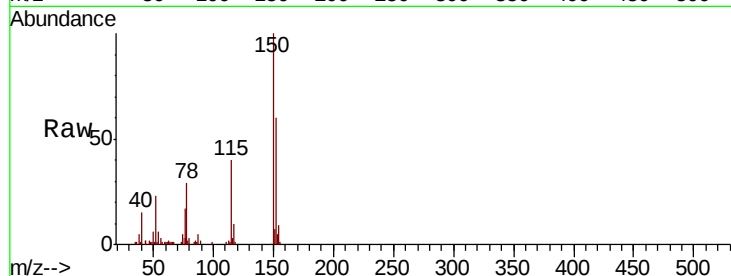


#1

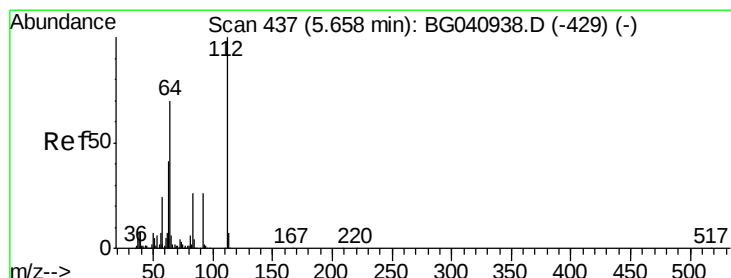
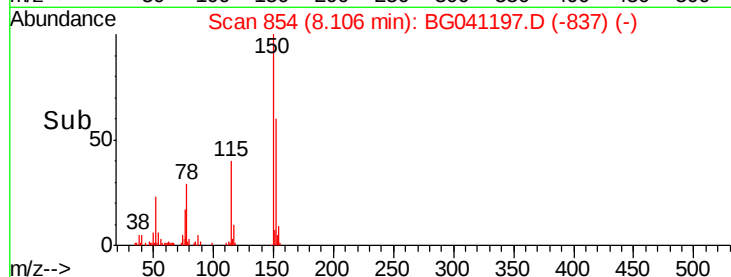
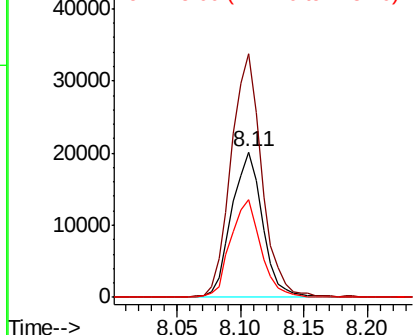
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.5	120.6	180.8
115	66.8	45.1	67.7



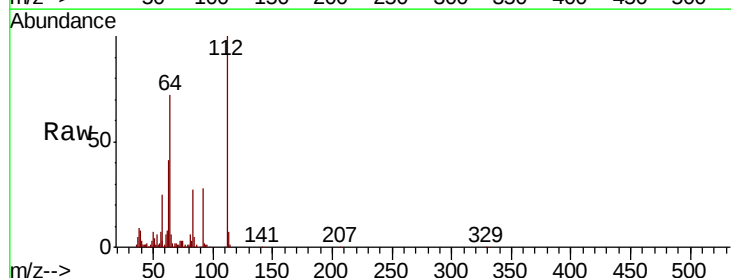
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



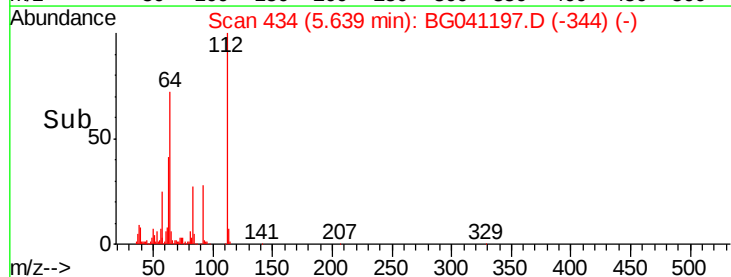
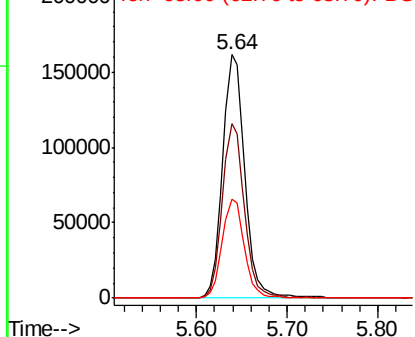
#5

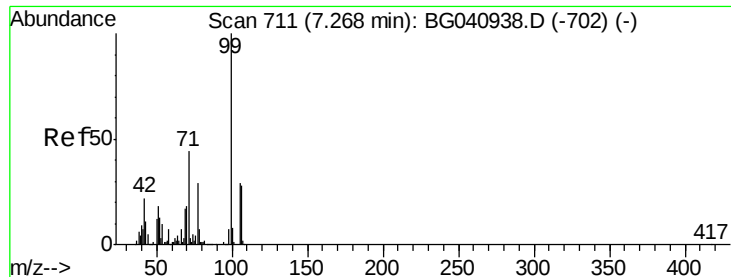
2-Fluorophenol
Concen: 144.866 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	56.2	84.2
63	40.6	32.8	49.2



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: 142.302 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

Instrument :

BNA_G

ClientSampleId :

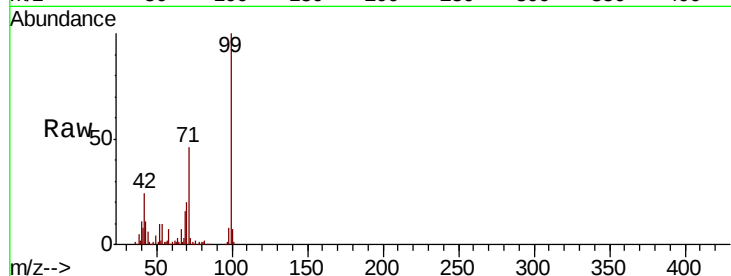
Tot Ion: 99 Resp: 415103

Ion Ratio Lower Upper

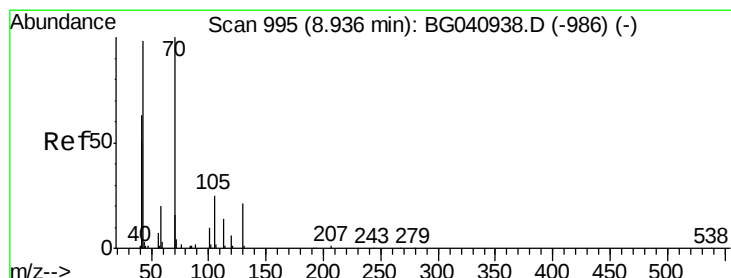
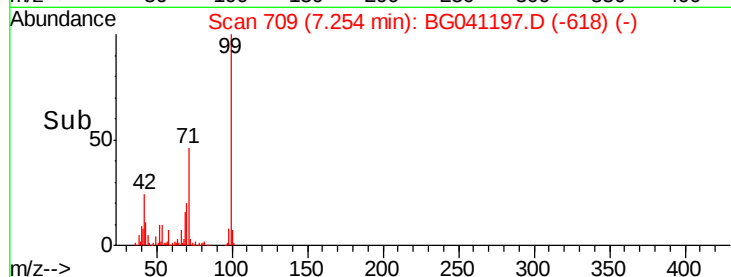
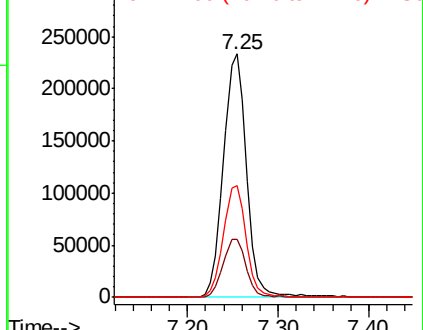
99 100

42 23.9 17.9 26.9

71 45.7 35.4 53.0



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: 19.381 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

Tgt Ion: 70 Resp: 43507

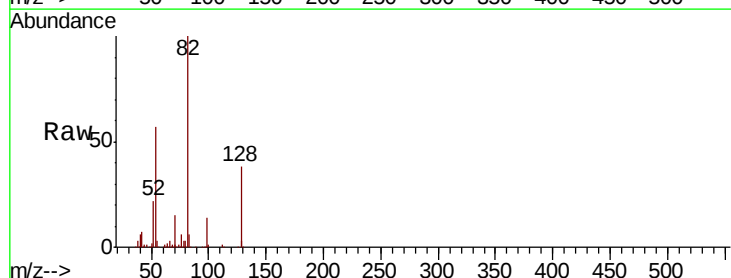
Ion Ratio Lower Upper

70 100

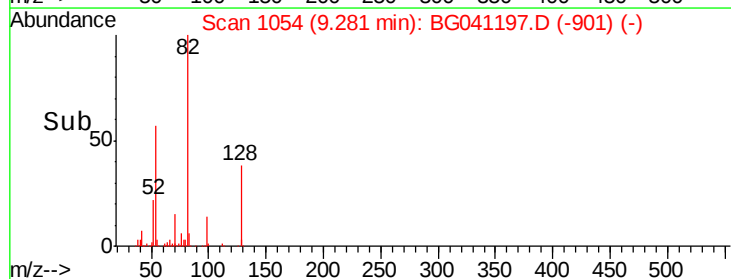
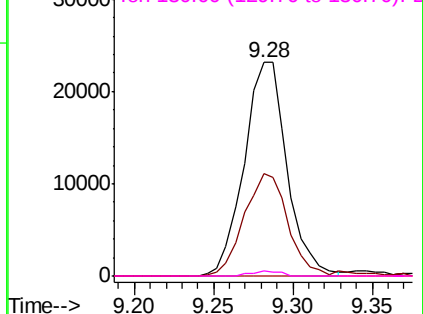
42 47.8 51.5 77.3#

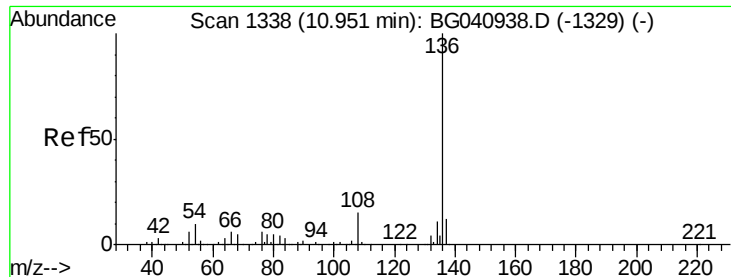
101 0.0 8.1 12.1#

130 2.5 16.6 24.8#



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

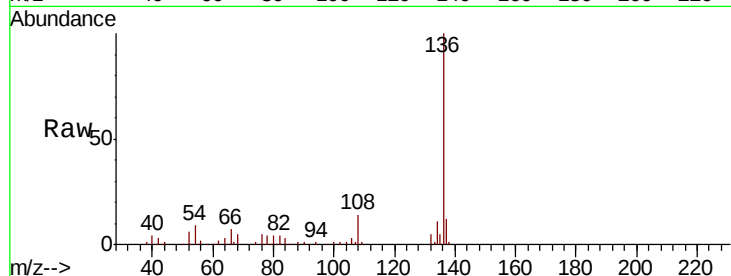




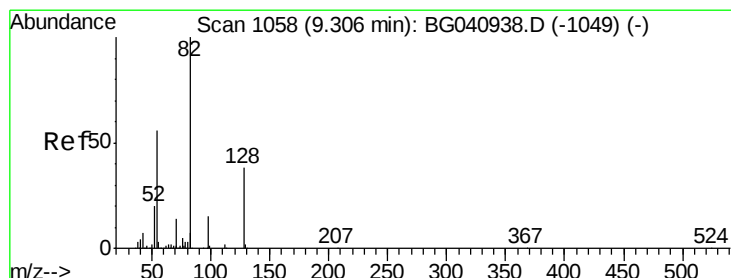
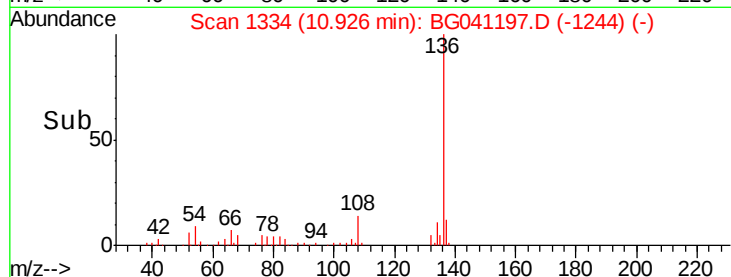
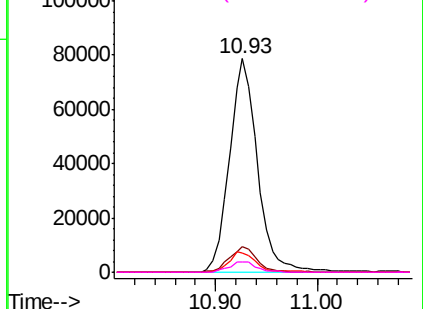
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	150682
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.5 14.3
54	8.8	7.6 11.4
68	5.1	3.9 5.9

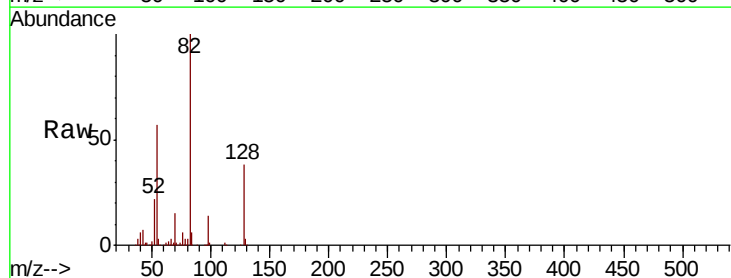


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

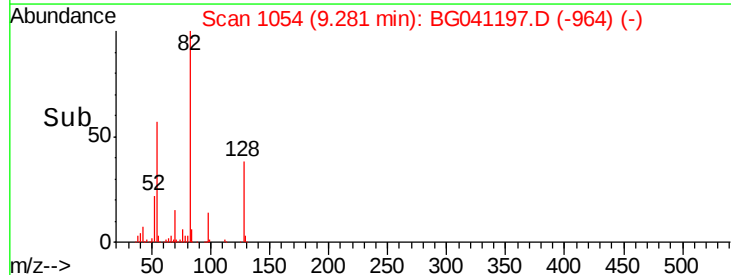
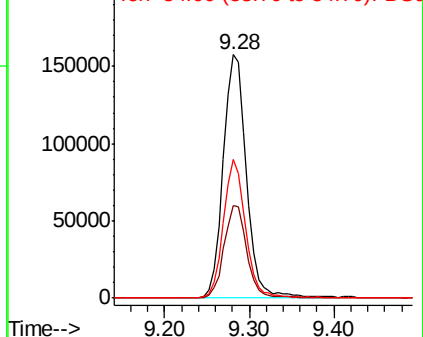


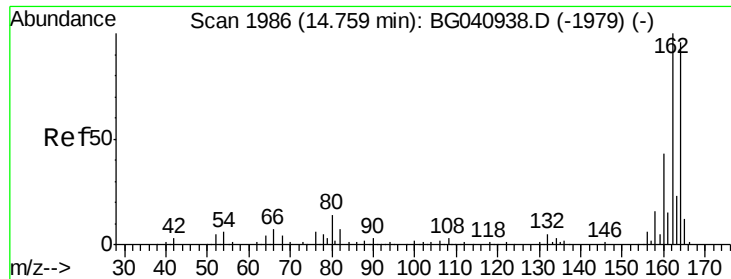
#23
Nitrobenzene-d5
Concen: 88.269 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Tgt Ion: 82	Resp:	299604
Ion Ratio	Lower	Upper
82	100	
128	37.8	30.5 45.7
54	56.7	44.6 66.8



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: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

Instrument :

BNA_G

ClientSampleId :

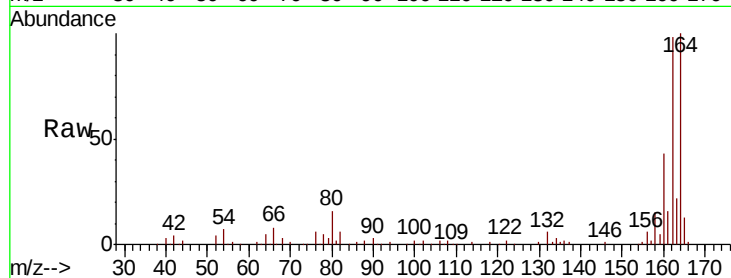
Tot Ion:164 Resp: 116446

Ion Ratio Lower Upper

164 100

162 98.0 83.0 124.4

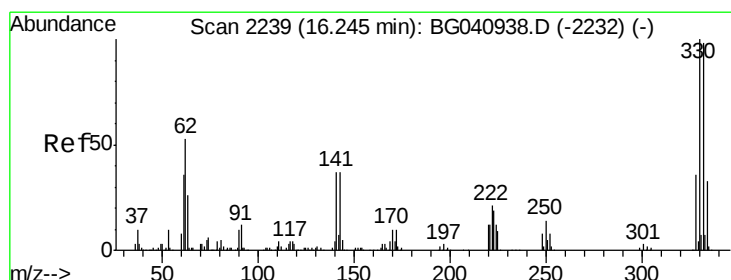
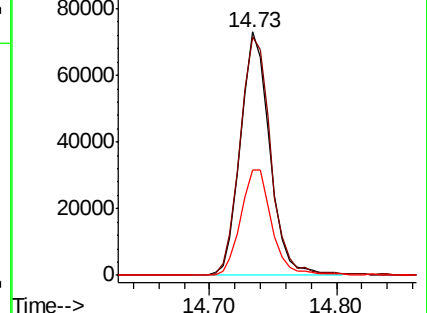
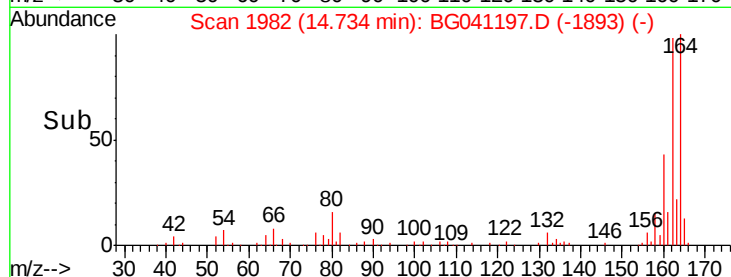
160 43.5 35.6 53.4



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: 131.284 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

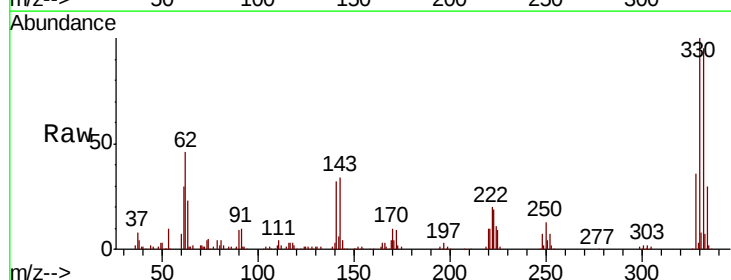
Tgt Ion:330 Resp: 226954

Ion Ratio Lower Upper

330 100

332 95.5 78.5 117.7

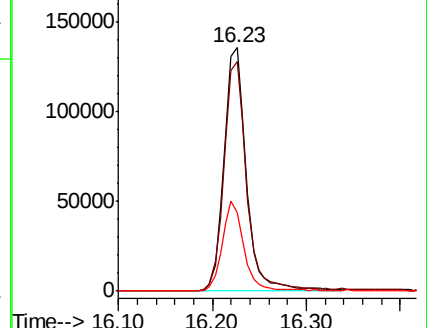
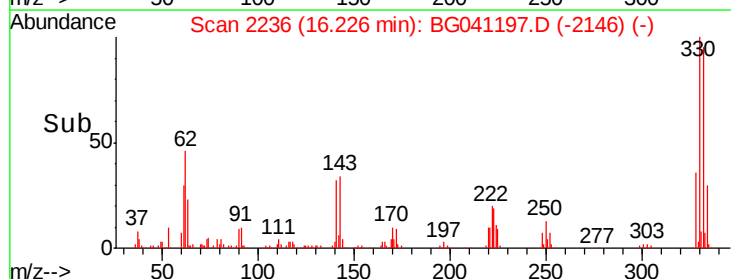
141 35.4 28.7 43.1

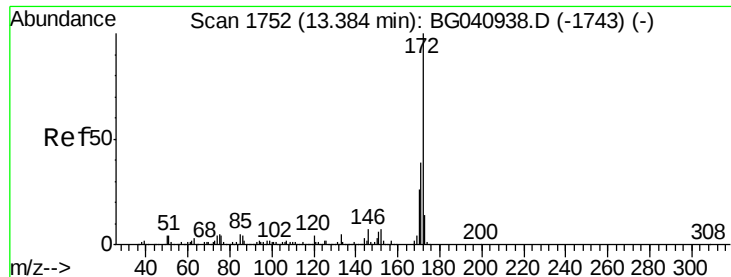


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

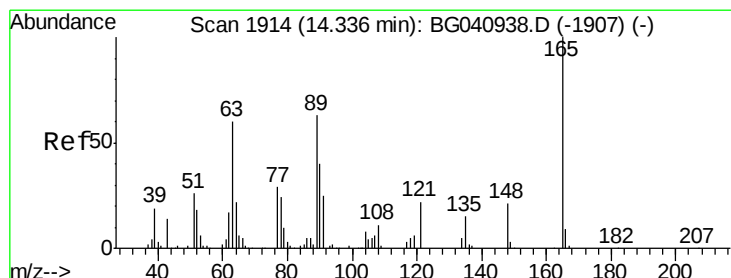
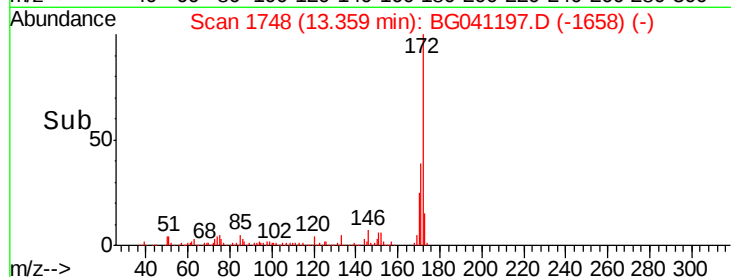
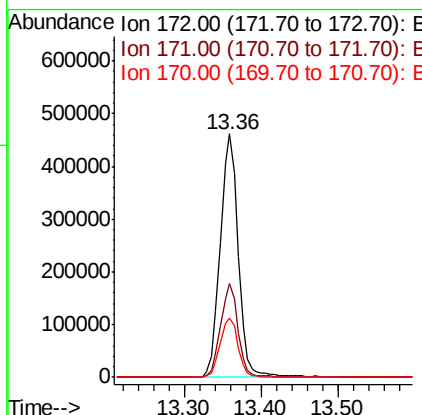
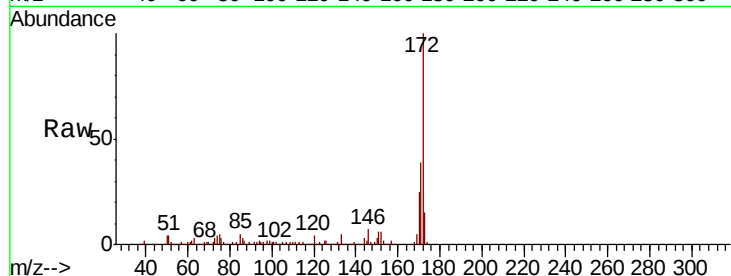




#45
2-Fluorobiphenyl
Concen: 92.724 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

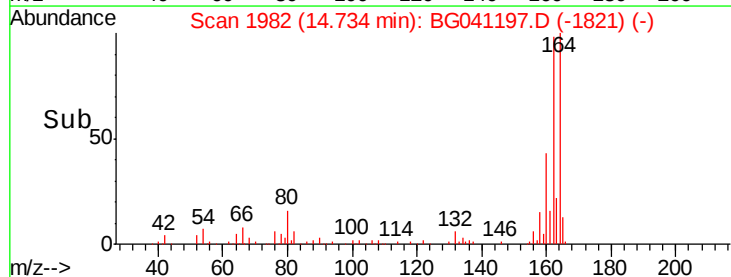
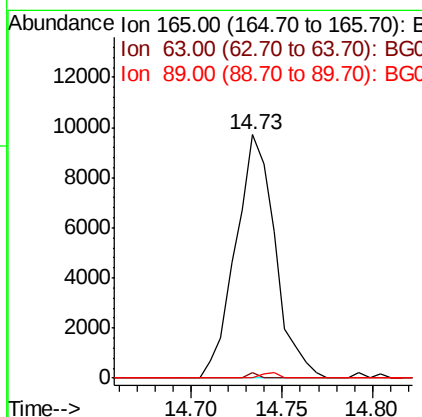
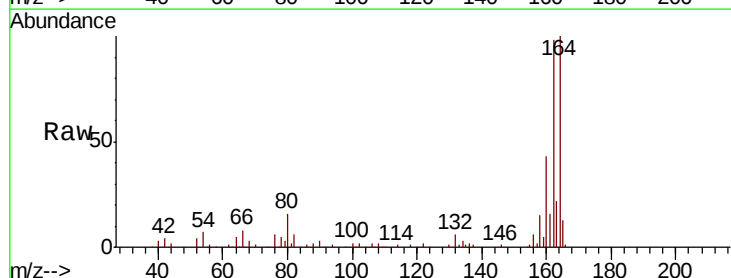
Instrument :
BNA_G
ClientSampleId :

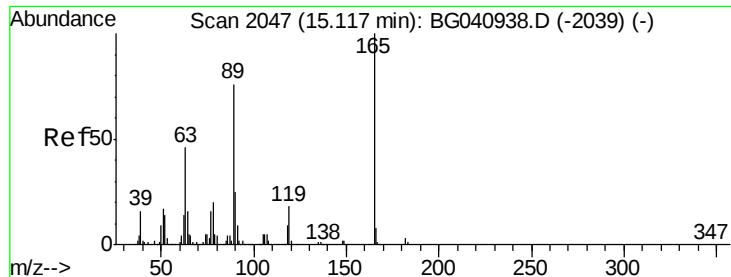
Tot Ion:172 Resp: 749762
Ion Ratio Lower Upper
172 100
171 38.8 31.1 46.7
170 24.5 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 6.934 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.42 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Tgt Ion:165 Resp: 14737
Ion Ratio Lower Upper
165 100
63 2.2 53.6 80.4#
89 0.0 50.4 75.6#

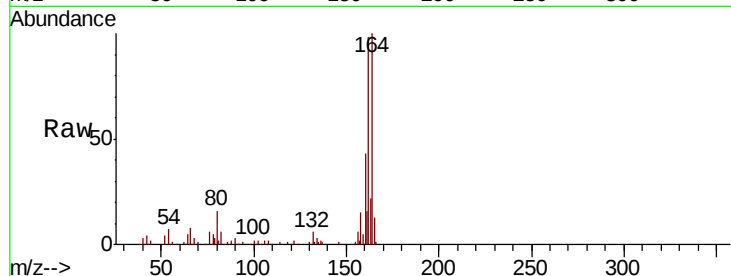




#57
 2,4-Dinitrotoluene
 Concen: 4.909 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG041197.D
 Acq: 11 Jun 2019 20:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#

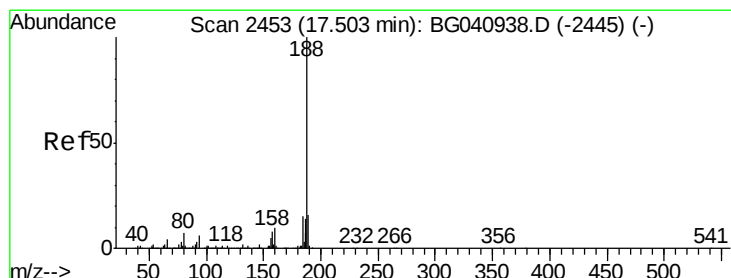
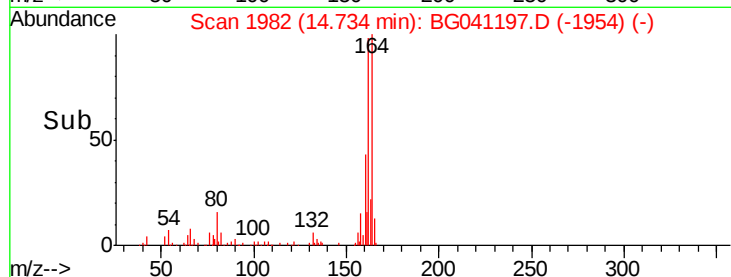
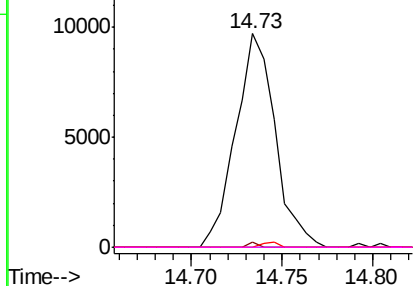


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

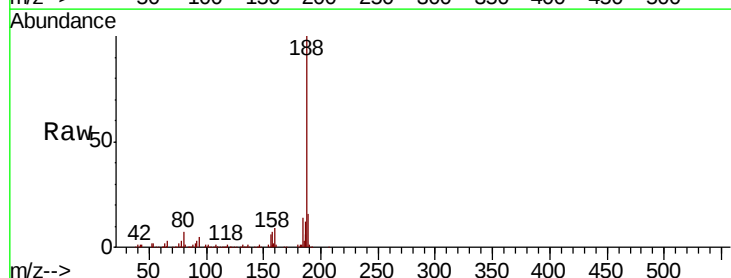
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BG041197.D
 Acq: 11 Jun 2019 20:33

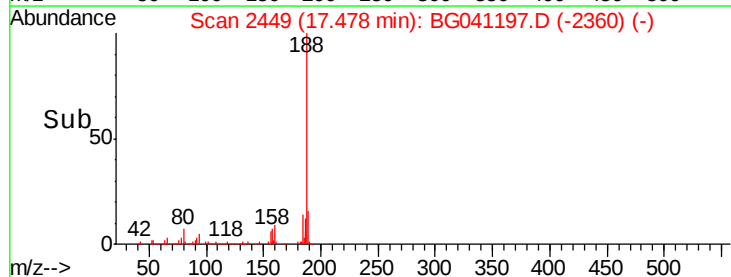
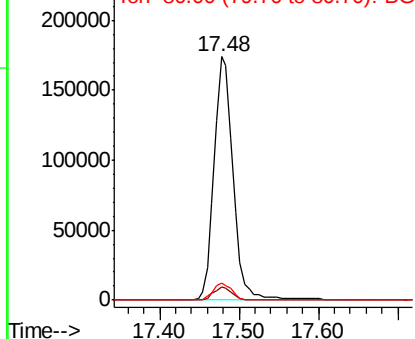
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.7	7.1
80	7.0	5.8	8.8

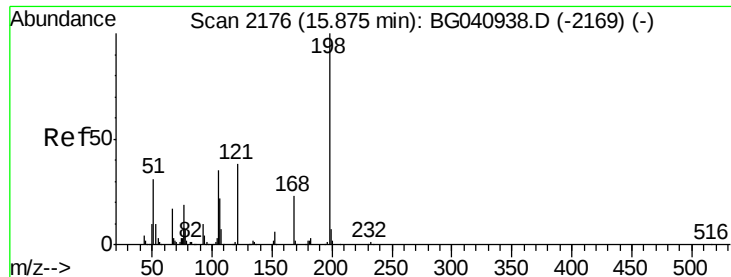


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.958 ng

RT: 16.21 min Scan# 2234

Delta R.T. 0.35 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

Instrument :

BNA_G

ClientSampleId :

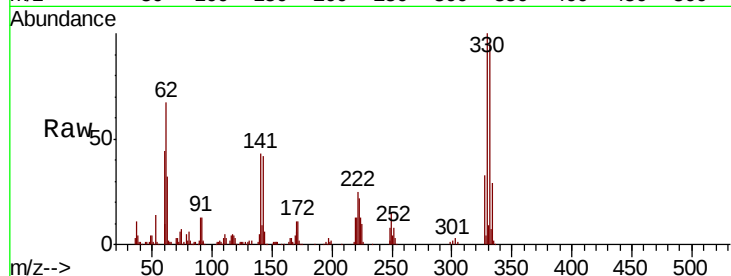
Tot Ion:198 Resp: 694

Ion Ratio Lower Upper

198 100

51 131.5 21.6 61.6#

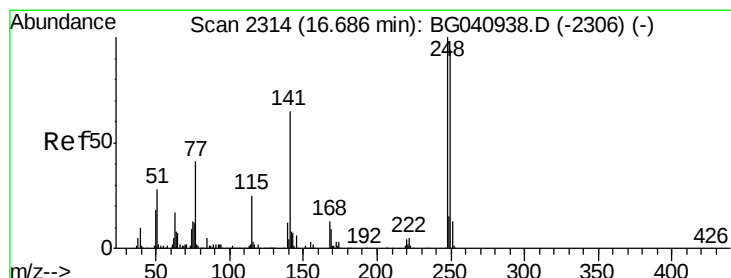
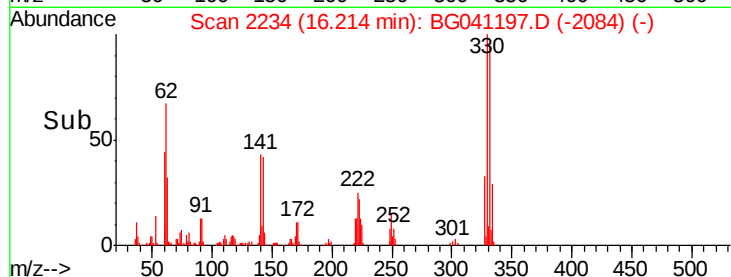
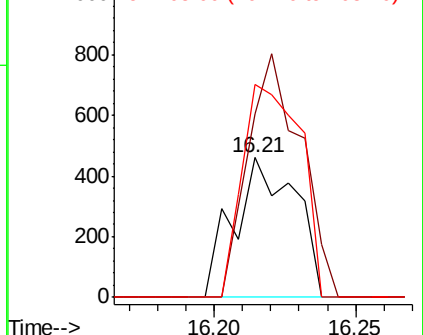
105 152.8 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.234 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

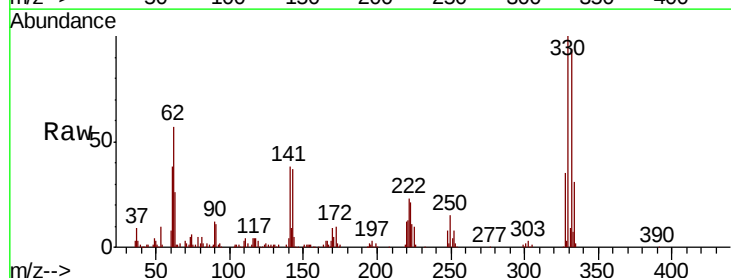
Tgt Ion:248 Resp: 16495

Ion Ratio Lower Upper

248 100

250 181.1 75.0 112.4#

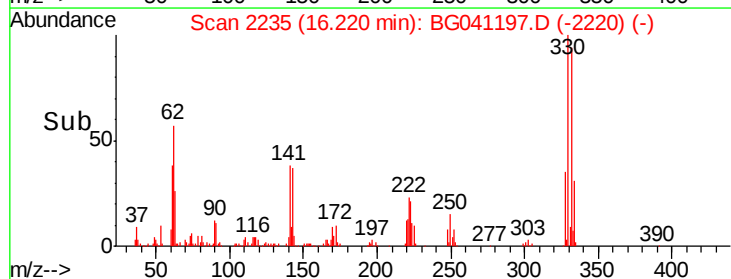
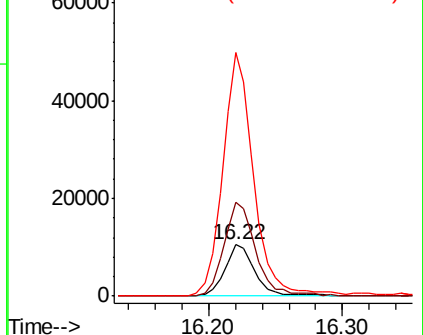
141 472.5 52.4 78.6#

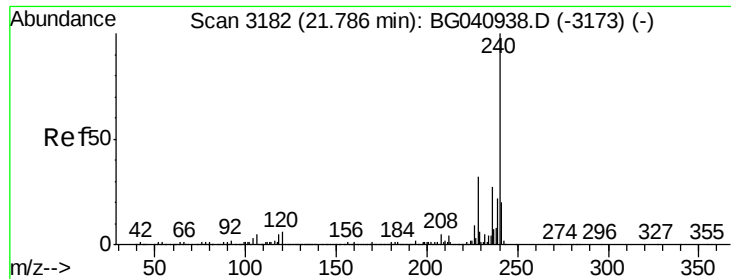


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

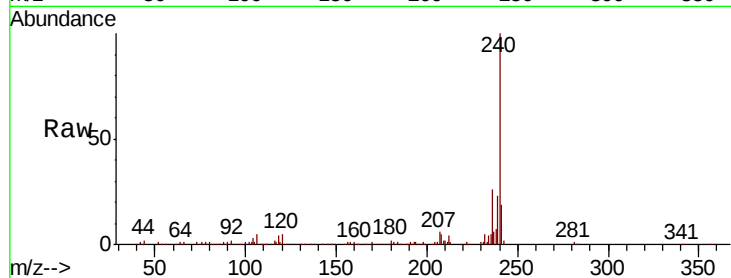




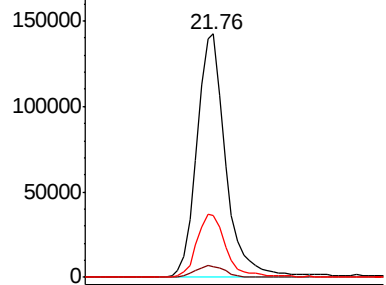
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3178
Delta R.T. 0.00 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

Instrument :
BNA_G
ClientSampleId :

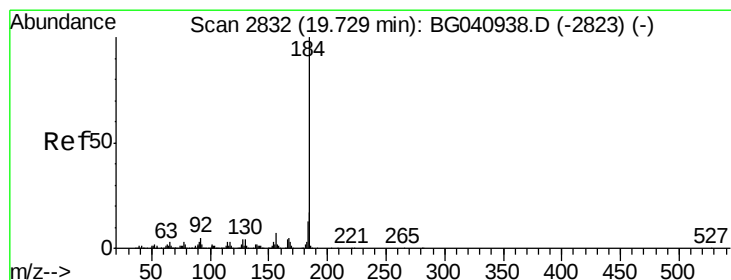
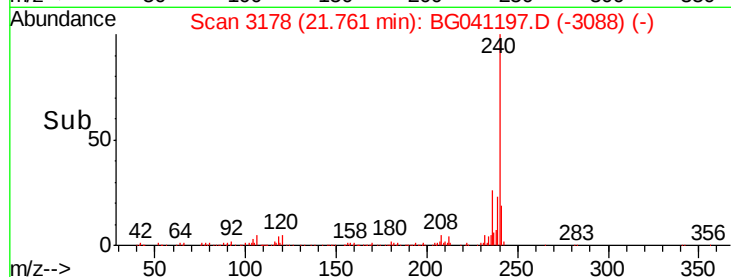
Tot Ion:240 Resp: 280779
Ion Ratio Lower Upper
240 100
120 4.5 4.5 6.7
236 25.6 21.3 31.9



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

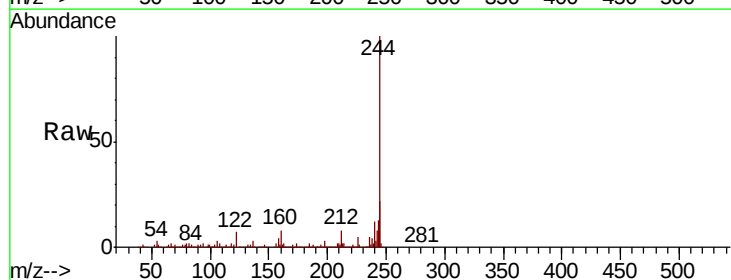


Time-->

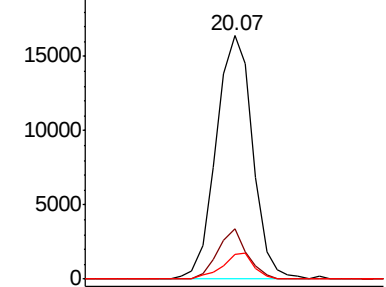


#77
Benzidine
Concen: 3.424 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041197.D
Acq: 11 Jun 2019 20:33

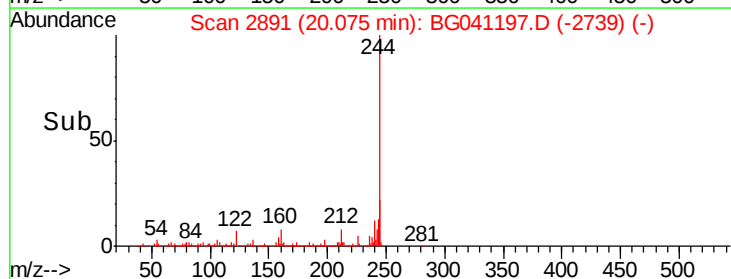
Tgt Ion:184 Resp: 22931
Ion Ratio Lower Upper
184 100
185 20.6 13.3 19.9#
183 10.3 10.7 16.1#

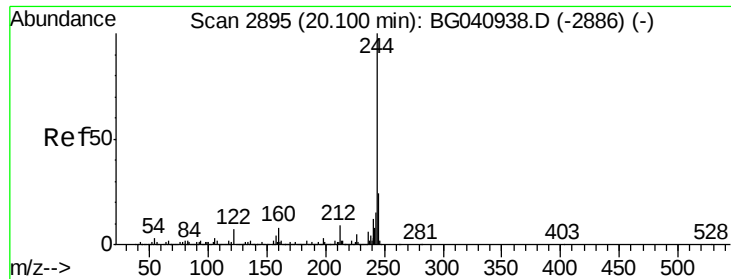


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 101.913 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

Instrument :

BNA_G

ClientSampleId :

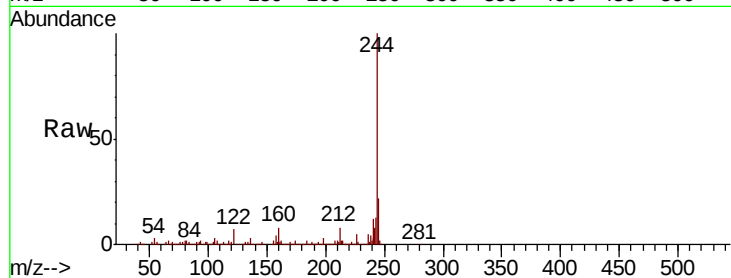
Tot Ion:244 Resp: 1348276

Ion Ratio Lower Upper

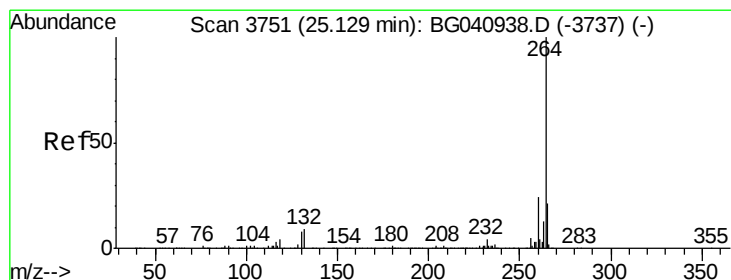
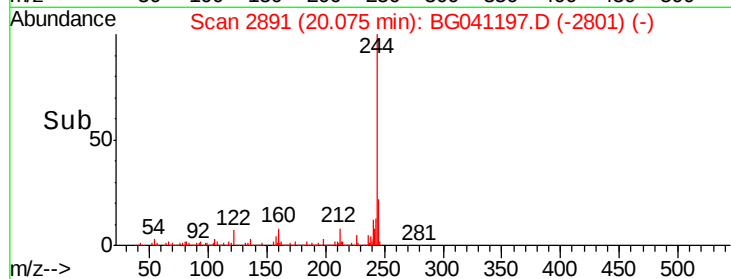
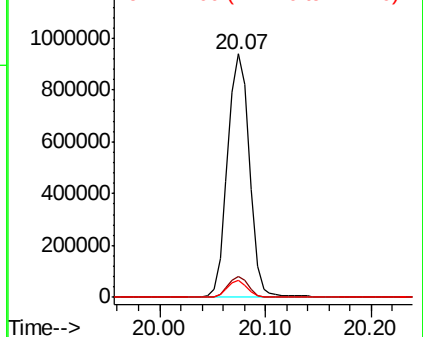
244 100

212 8.4 7.0 10.4

122 7.2 5.4 8.0



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: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041197.D

Acq: 11 Jun 2019 20:33

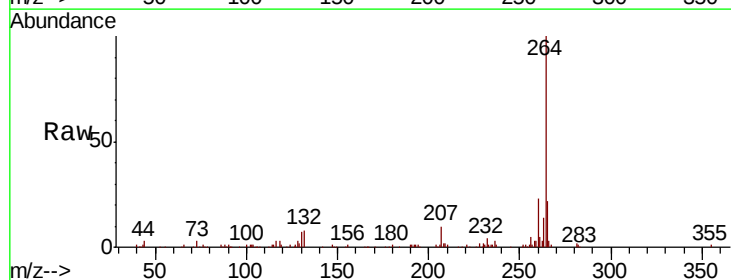
Tgt Ion:264 Resp: 251065

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.7 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

