

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041008.D
 Acq On : 1 Jun 2019 12:21
 Operator : HP/JU
 Sample : PB120099BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:11:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

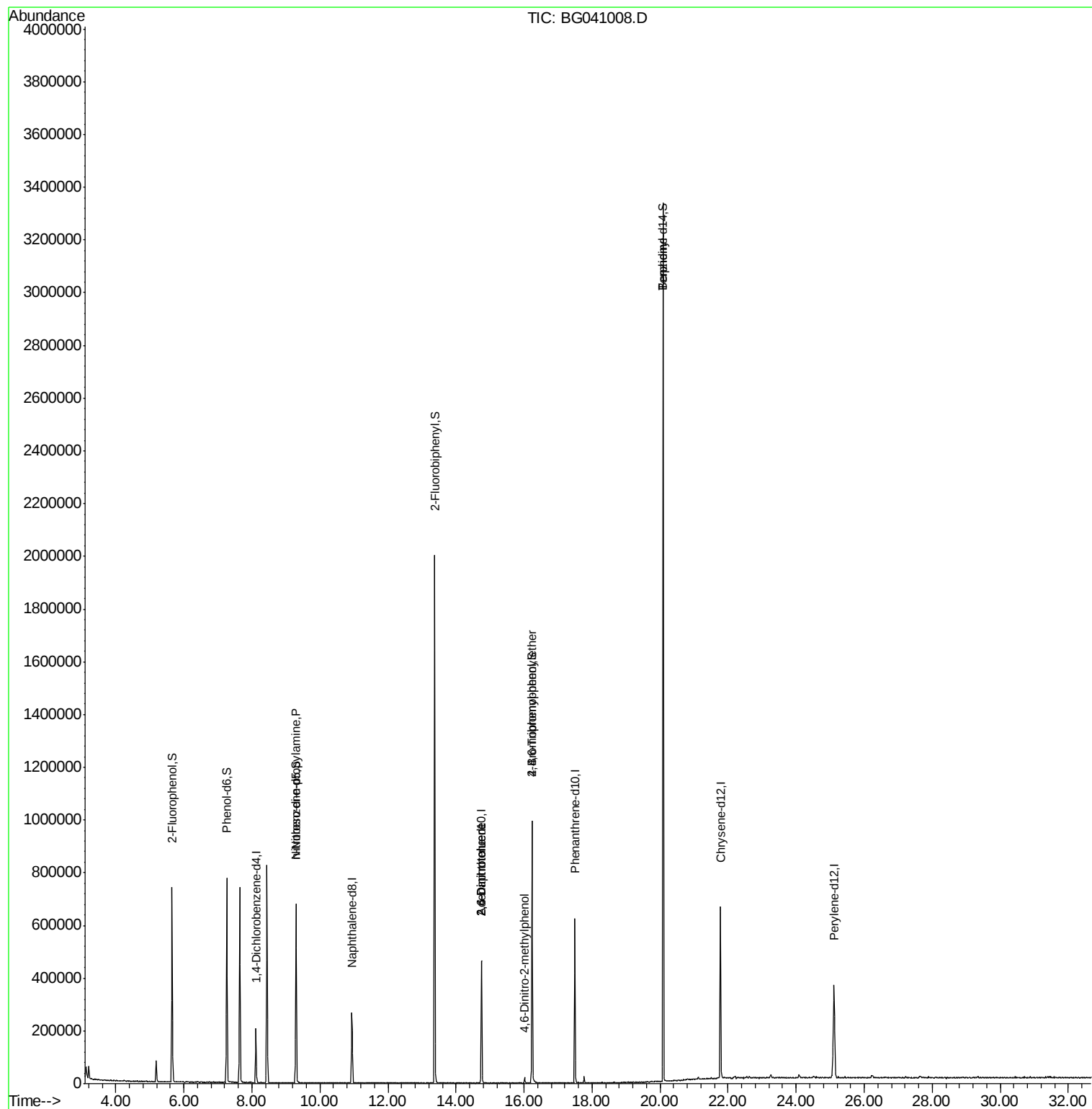
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	53206	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	221541	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	158534	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	400876	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	404651	20.00	ng	-0.01
87) Perylene-d12	25.12	264	418505	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	283572	96.11	ng	0.00
7) Phenol-d6	7.26	99	398355	87.42	ng	0.00
23) Nitrobenzene-d5	9.29	82	416657	83.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	188806	80.22	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	980060	89.03	ng	-0.01
79) Terphenyl-d14	20.09	244	1553419	81.47	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	59894	17.079	ng	# 75
51) 2,6-Dinitrotoluene	14.75	165	20195	6.980	ng	# 19
57) 2,4-Dinitrotoluene	14.75	165	20195	4.941	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.02	198	54	8.610	ng	# 36
67) 4-Bromophenyl-phenylether	16.23	248	14036	2.594	ng	# 1
77) Benzidine	20.09	184	28177	2.919	ng	# 93

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

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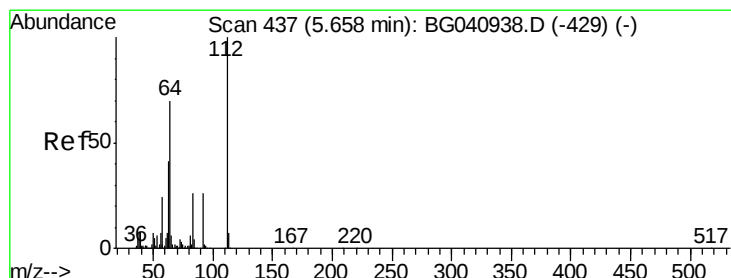
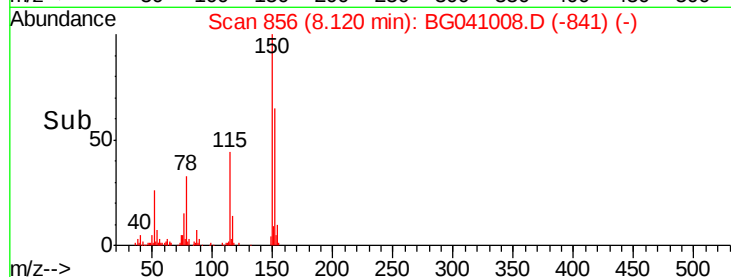
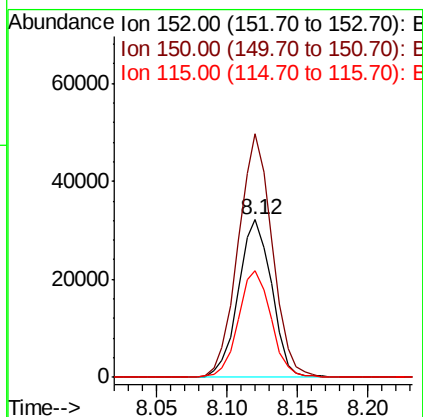
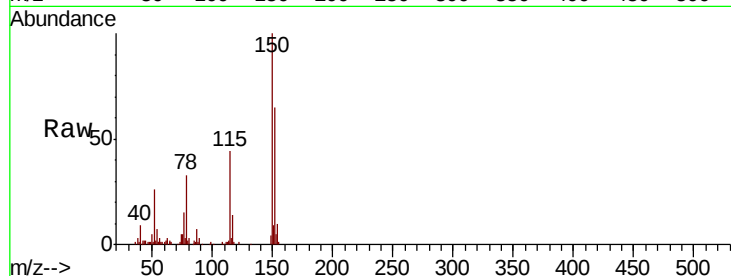


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Instrument :
BNA_G
ClientSampleId :

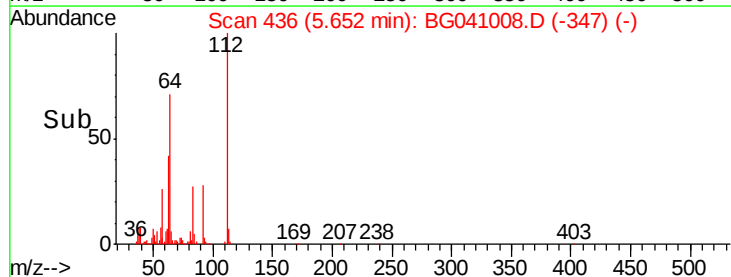
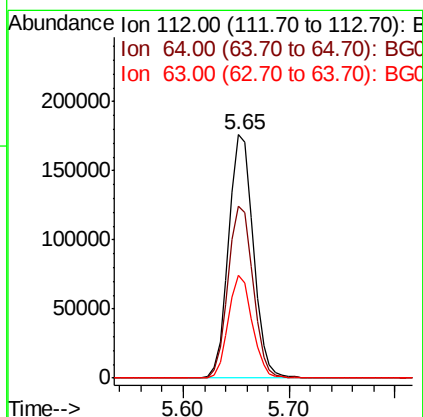
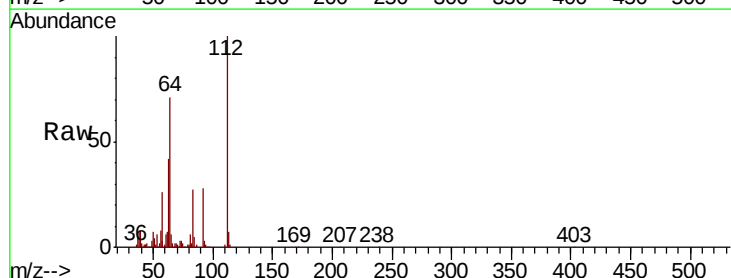
Tot Ion:152 Resp: 53206
Ion Ratio Lower Upper
152 100
150 154.5 120.6 180.8
115 68.0 45.1 67.7#

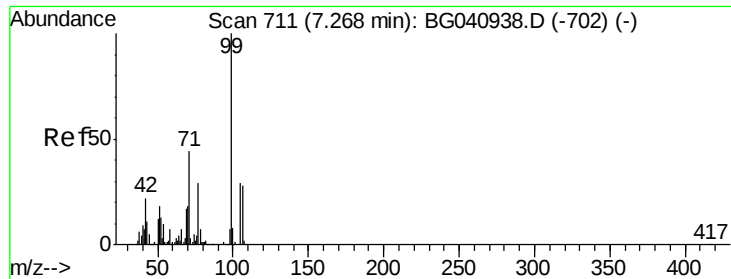


#5

2-Fluorophenol
Concen: 96.106 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Tgt Ion:112 Resp: 283572
Ion Ratio Lower Upper
112 100
64 70.9 56.2 84.2
63 42.3 32.8 49.2





#7

Phenol-d6

Concen: 87.417 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

Instrument :

BNA_G

ClientSampleId :

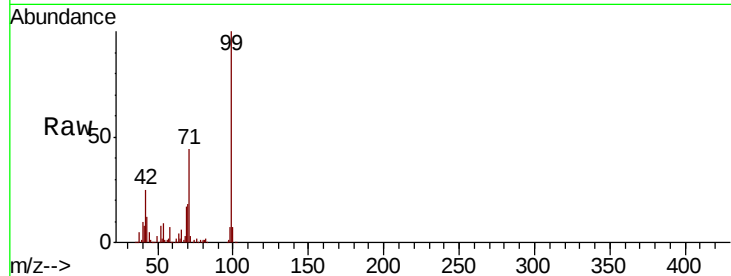
Tot Ion: 99 Resp: 398355

Ion Ratio Lower Upper

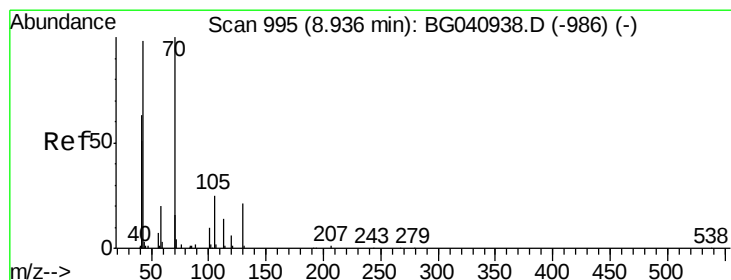
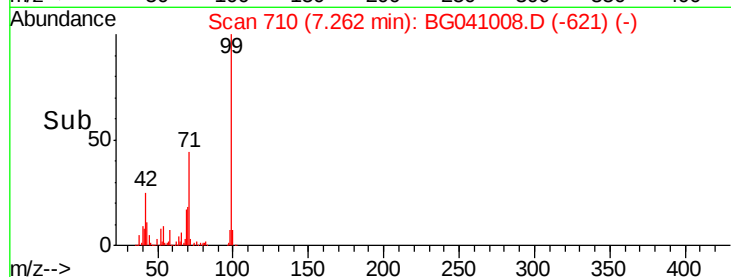
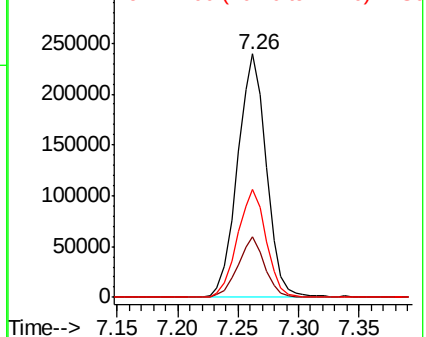
99 100

42 24.8 17.9 26.9

71 44.4 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: 17.079 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

Tgt Ion: 70 Resp: 59894

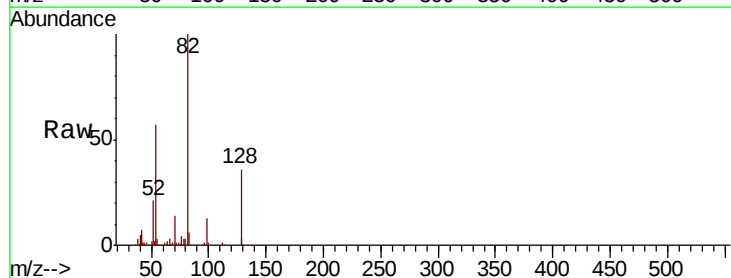
Ion Ratio Lower Upper

70 100

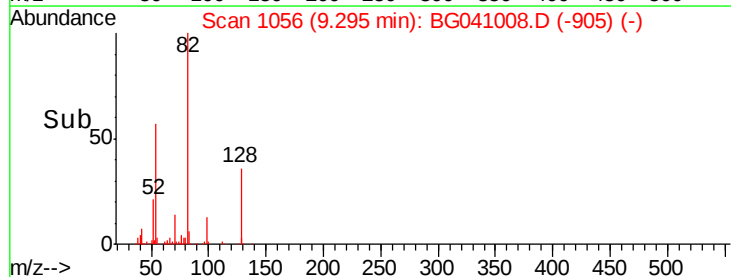
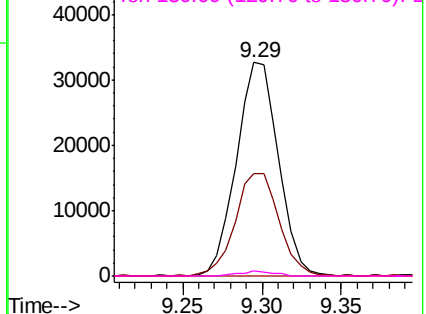
42 48.0 51.5 77.3#

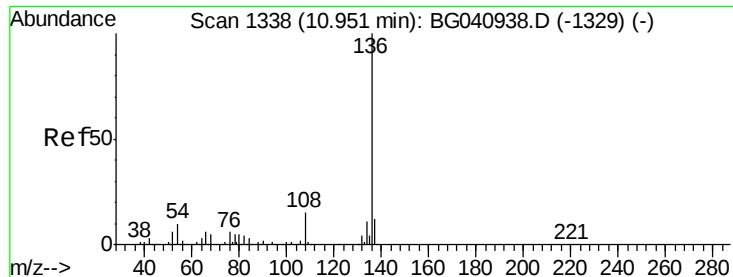
101 0.0 8.1 12.1#

130 2.6 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

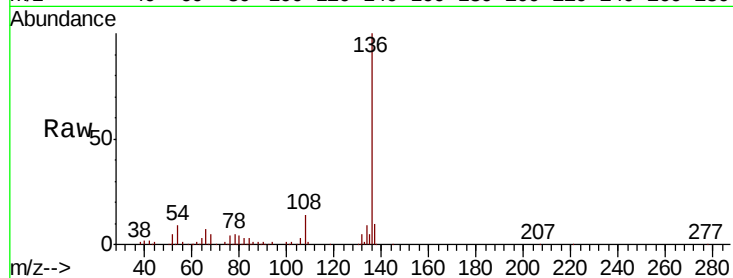




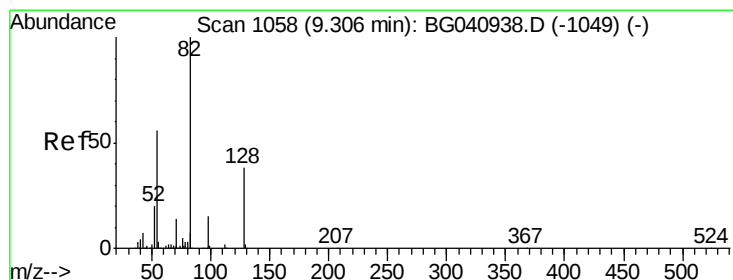
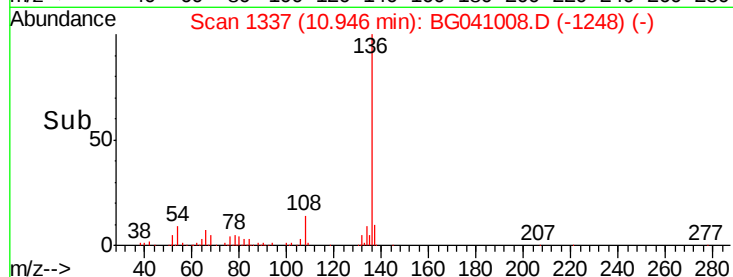
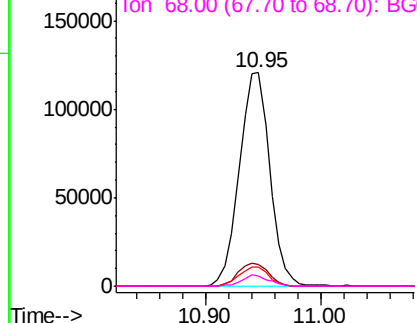
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	221541
Ion Ratio	Lower	Upper
136 100		
137 10.5	9.5	14.3
54 9.1	7.6	11.4
68 4.5	3.9	5.9

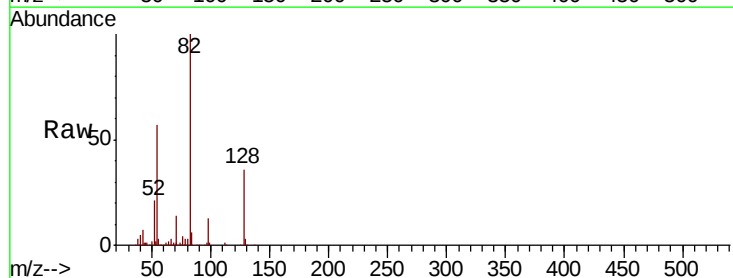


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

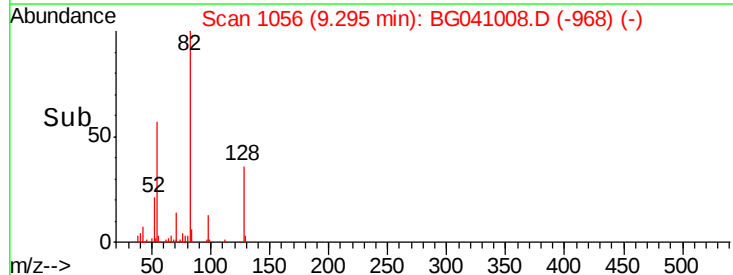
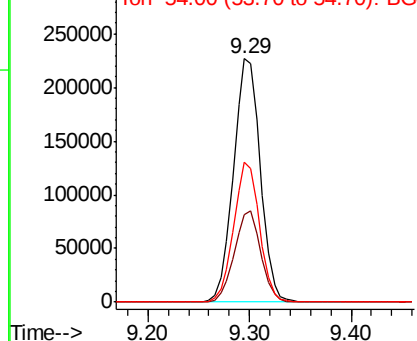


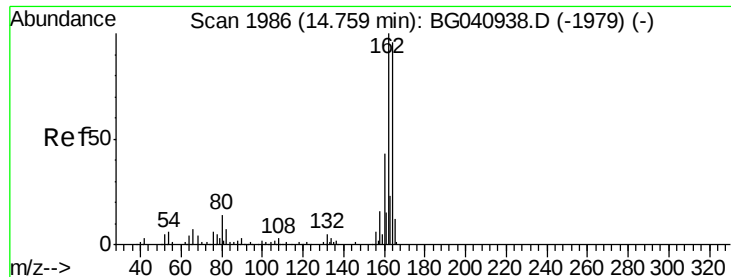
#23
Nitrobenzene-d5
Concen: 83.492 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Tgt Ion: 82	Resp: 416657
Ion Ratio	Lower Upper
82 100	
128 35.7	30.5 45.7
54 57.3	44.6 66.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

Instrument :

BNA_G

ClientSampleId :

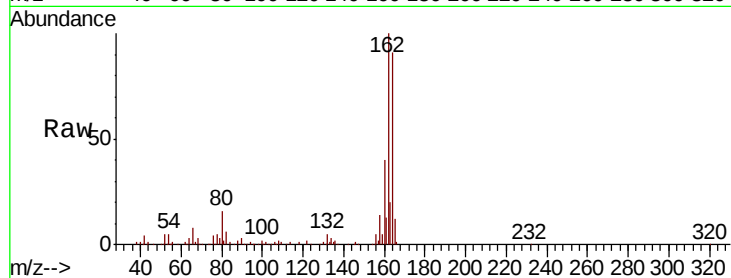
Tot Ion:164 Resp: 158534

Ion Ratio Lower Upper

164 100

162 110.1 83.0 124.4

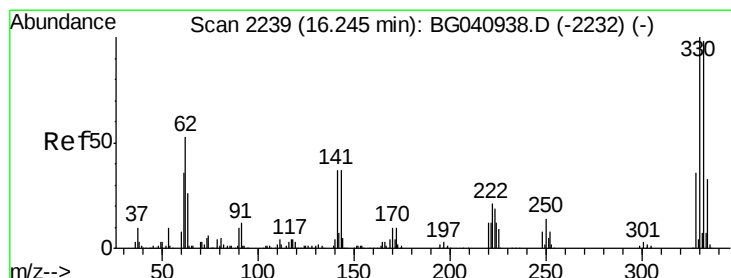
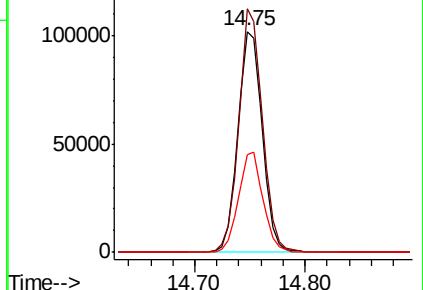
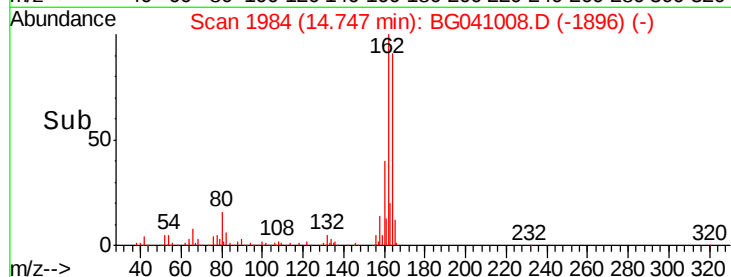
160 44.2 35.6 53.4



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: 80.222 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

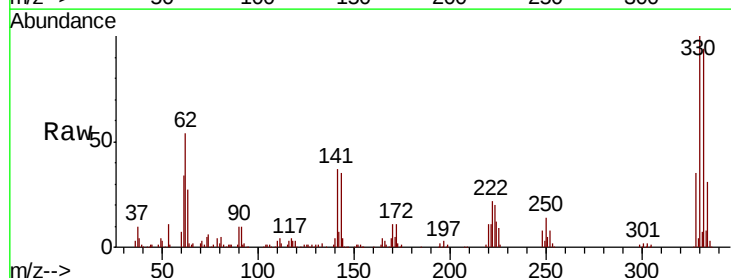
Tgt Ion:330 Resp: 188806

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

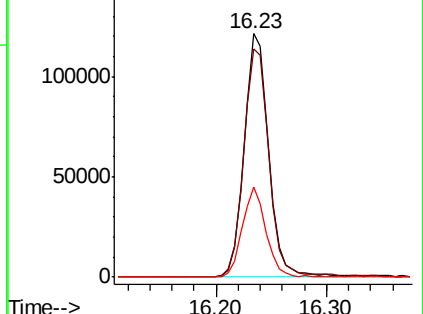
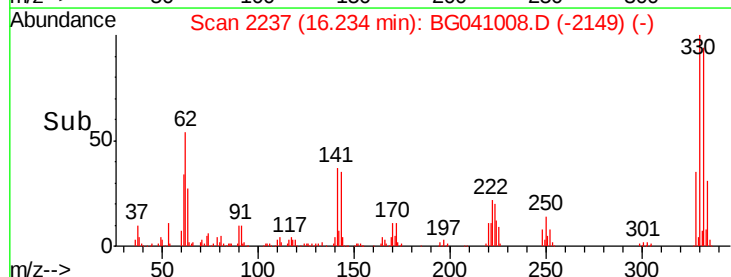
141 36.3 28.7 43.1

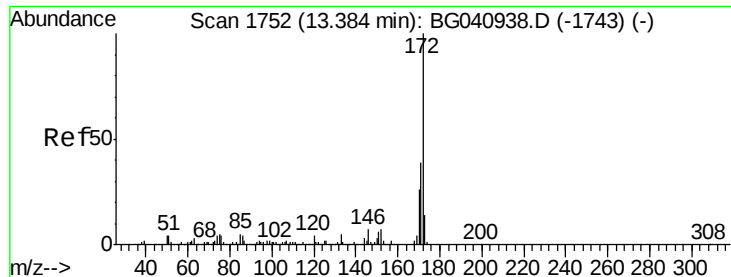


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

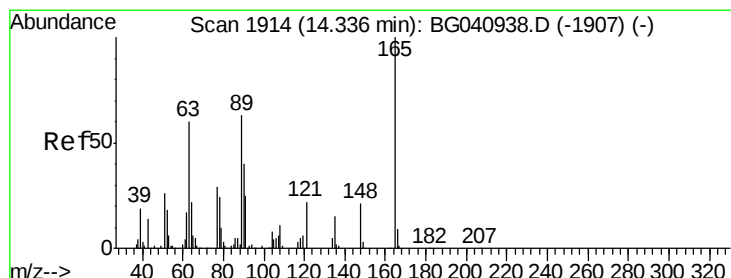
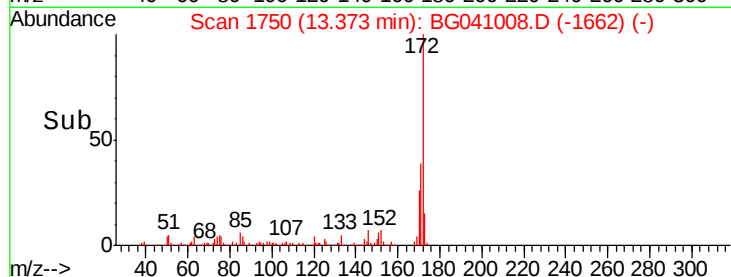
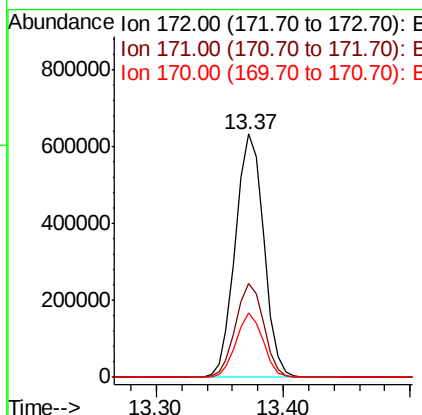
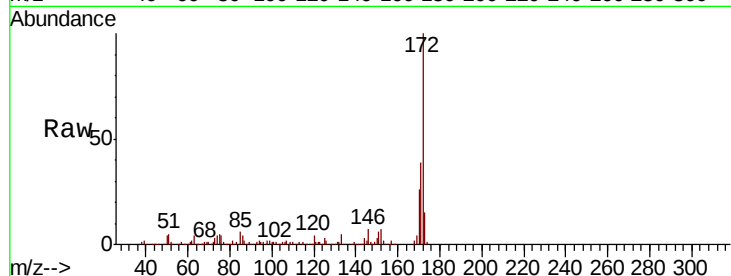




#45
2-Fluorobiphenyl
Concen: 89.028 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

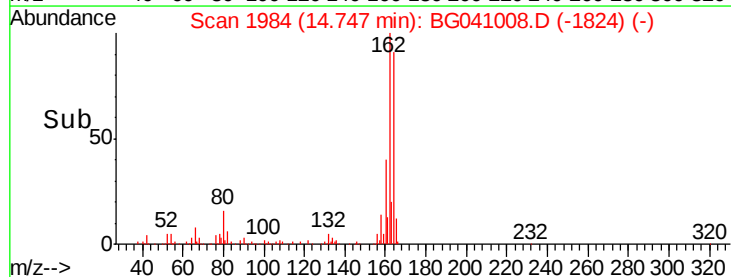
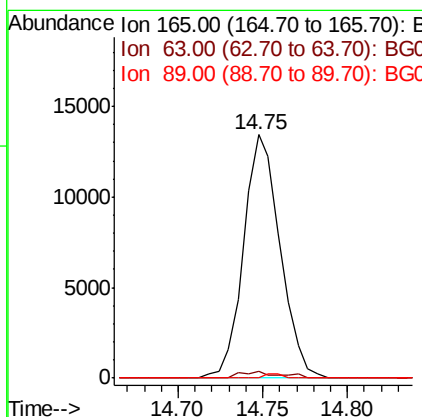
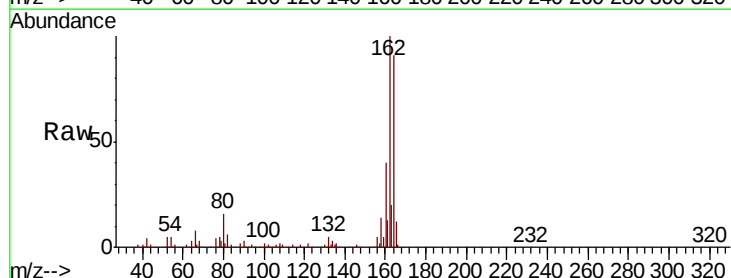
Instrument :
BNA_G
ClientSampleId :

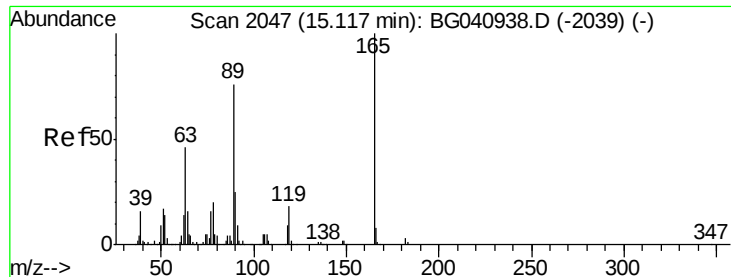
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.1	46.7
170	26.4	20.5	30.7



#51
2,6-Dinitrotoluene
Concen: 6.980 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.41 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	53.6	80.4#
89	0.0	50.4	75.6#

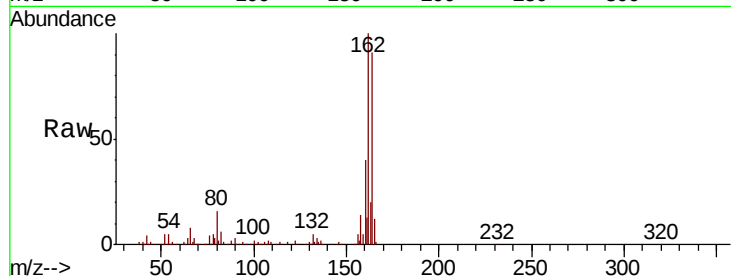




#57
 2,4-Dinitrotoluene
 Concen: 4.941 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. -0.37 min
 Lab File: BG041008.D
 Acq: 1 Jun 2019 12:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#



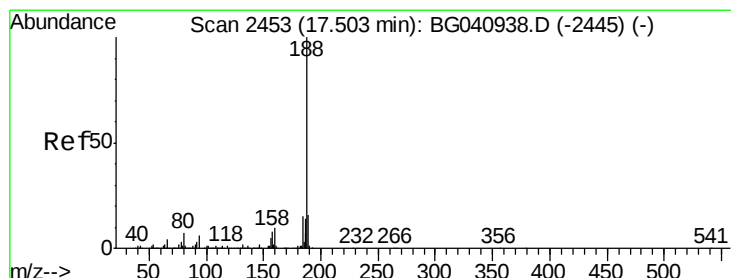
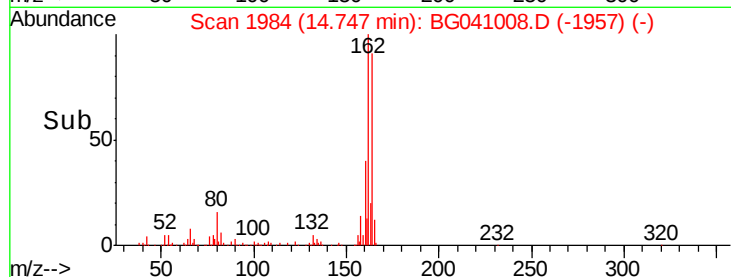
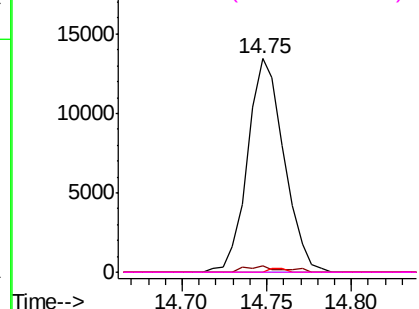
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

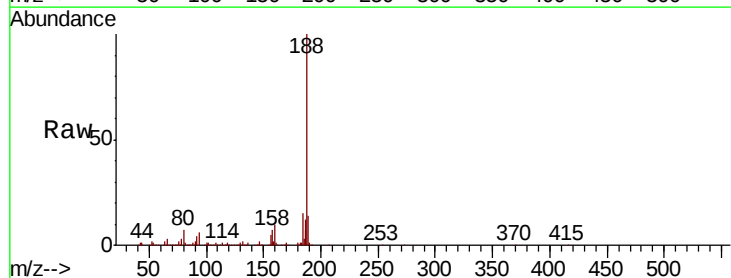
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2451
 Delta R.T. -0.01 min
 Lab File: BG041008.D
 Acq: 1 Jun 2019 12:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	7.2	5.8	8.8

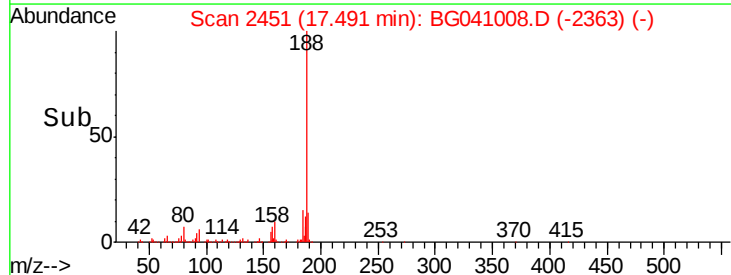
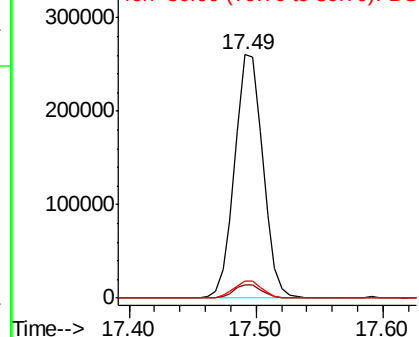


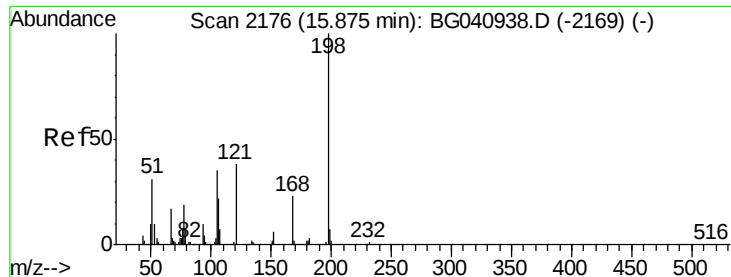
Abundance

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

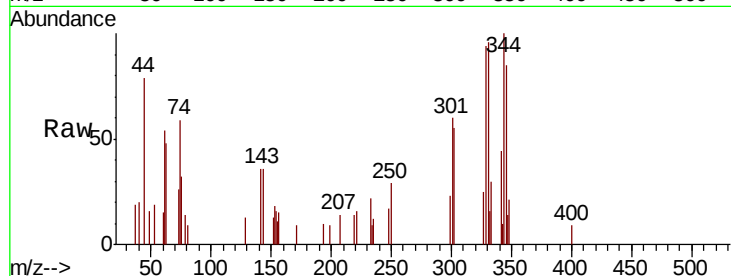




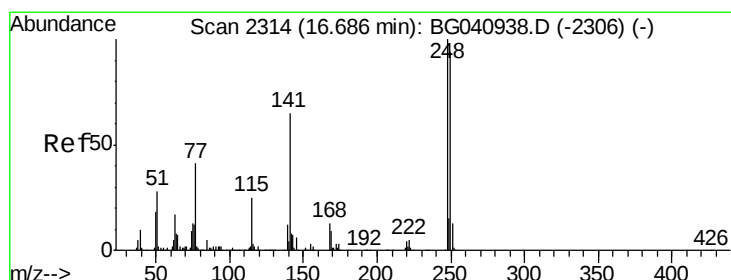
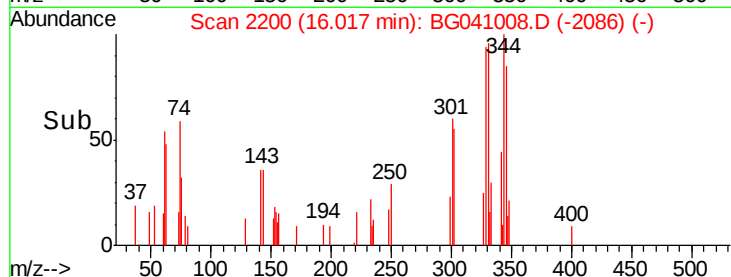
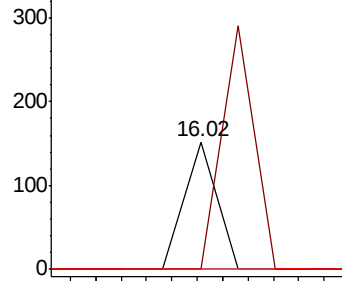
#65
4,6-Dinitro-2-methylphenol
Concen: 8.610 ng
RT: 16.02 min Scan# 2200
Delta R.T. 0.14 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 0.0 21.6 61.6#
105 0.0 17.5 57.5#

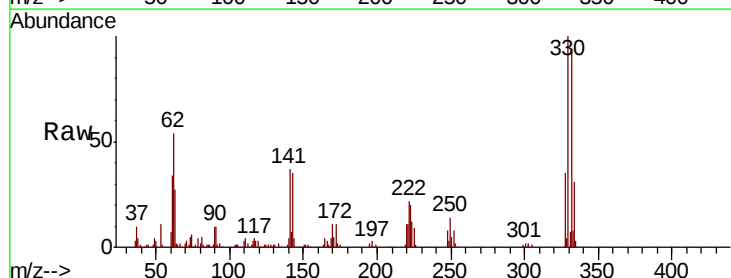


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

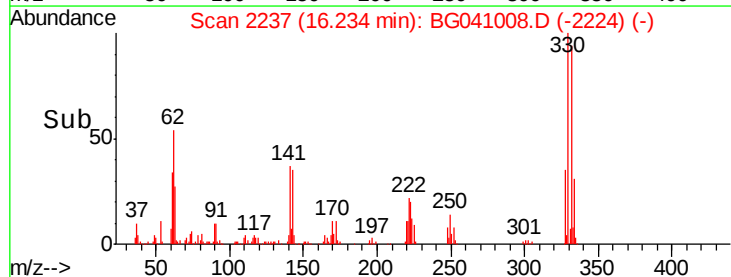
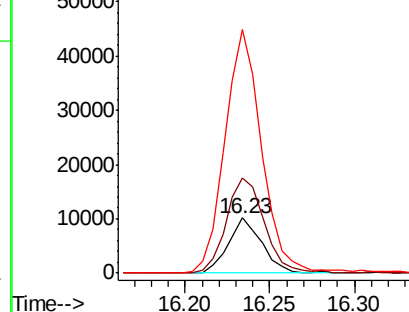


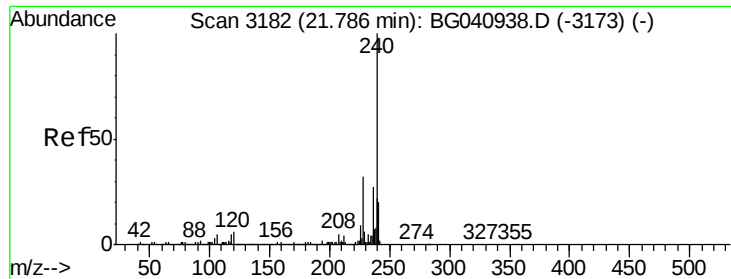
#67
4-Bromophenyl-phenylether
Concen: 2.594 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.45 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Tgt Ion:248 Resp: 14036
Ion Ratio Lower Upper
248 100
250 235.8 75.0 112.4#
141 442.7 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

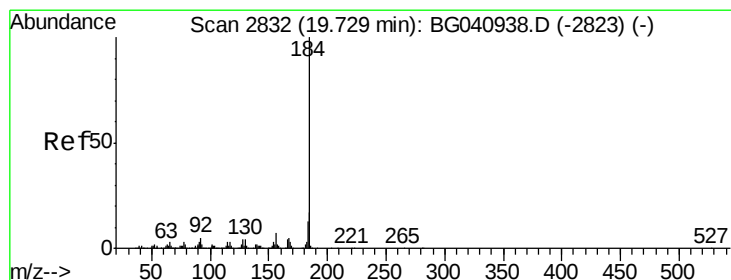
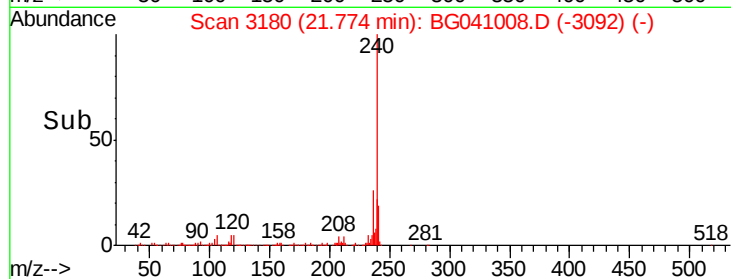
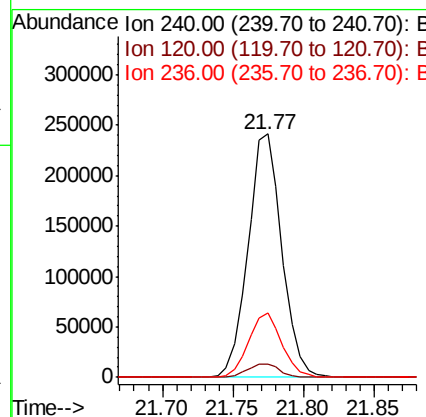
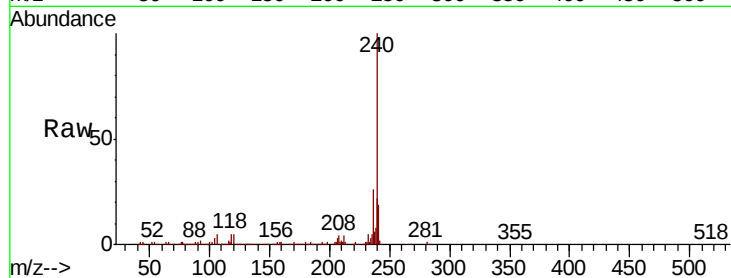




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

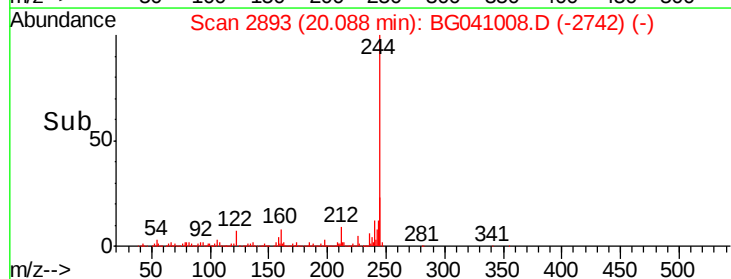
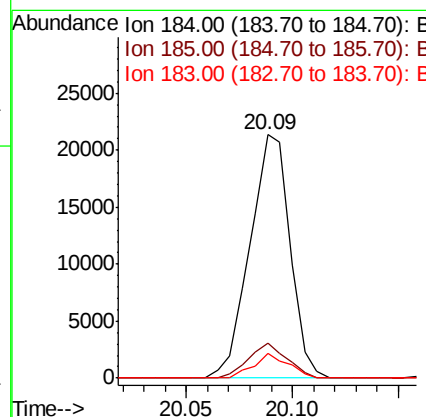
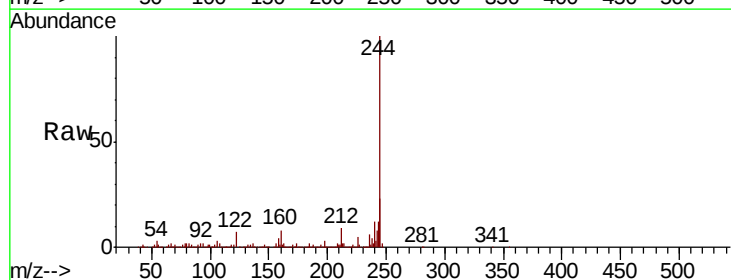
Instrument :
BNA_G
ClientSampleId :

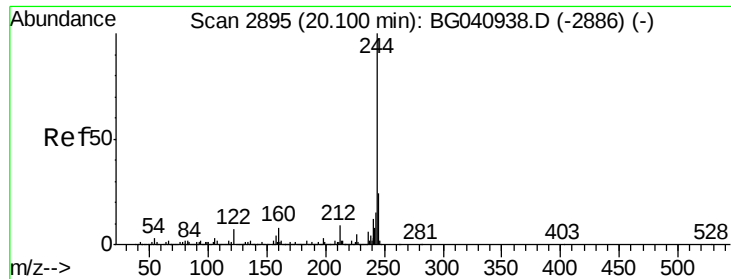
Tot Ion:240 Resp: 404651
Ion Ratio Lower Upper
240 100
120 5.2 4.5 6.7
236 26.5 21.3 31.9



#77
Benzidine
Concen: 2.919 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.36 min
Lab File: BG041008.D
Acq: 1 Jun 2019 12:21

Tgt Ion:184 Resp: 28177
Ion Ratio Lower Upper
184 100
185 14.2 13.3 19.9
183 10.1 10.7 16.1#





#79

Terphenyl-d14

Concen: 81.475 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

Instrument :

BNA_G

ClientSampleId :

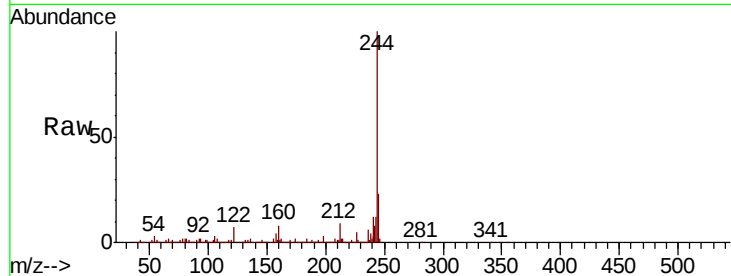
Tot Ion:244 Resp: 1553419

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.4
122	7.4	5.4	8.0

244 100

212 8.9 7.0 10.4

122 7.4 5.4 8.0

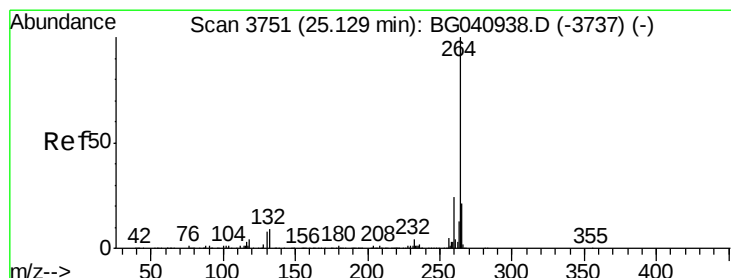
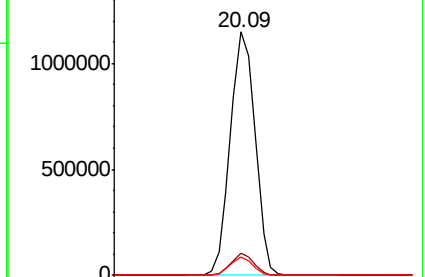
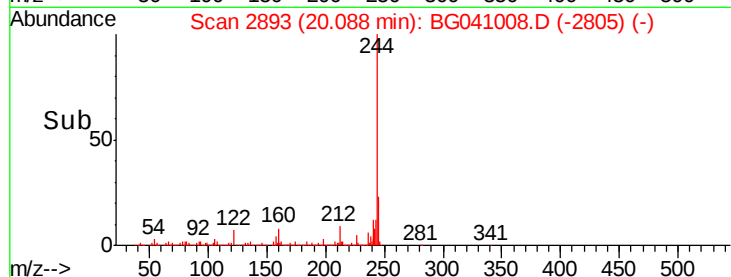


Abundance

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: 25.12 min Scan# 3749

Delta R.T. -0.01 min

Lab File: BG041008.D

Acq: 1 Jun 2019 12:21

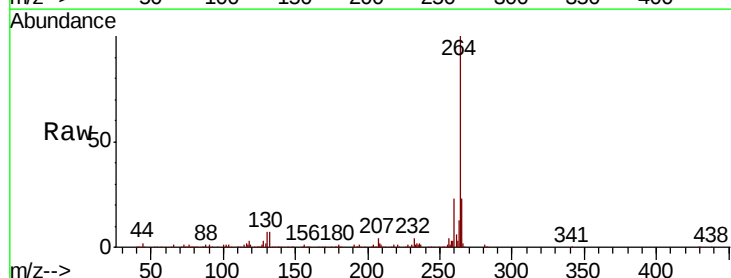
Tgt Ion:264 Resp: 418505

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	22.8	17.0	25.4

264 100

260 23.0 19.0 28.4

265 22.8 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

