

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040636.D
 Acq On : 26 Apr 2019 19:22
 Operator : JU/SJ
 Sample : K2566-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

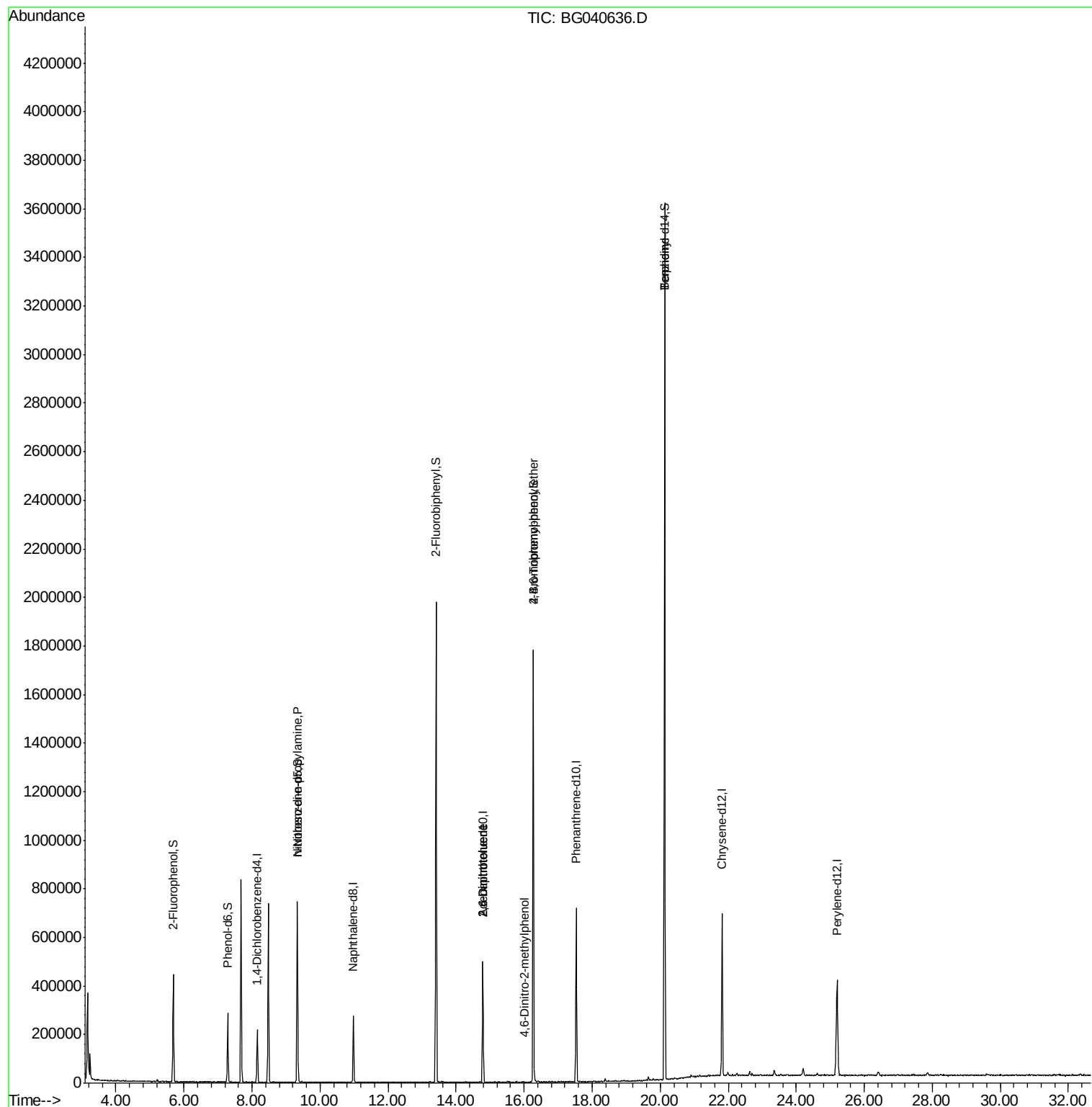
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	49543	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	215374	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	157145	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	408787	20.00	ng	0.00
76) Chrysene-d12	21.82	240	407243	20.00	ng	0.00
87) Perylene-d12	25.20	264	424728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	148418	52.81	ng	0.00
7) Phenol-d6	7.29	99	136554	31.56	ng	0.00
23) Nitrobenzene-d5	9.33	82	422728	90.69	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	292126	135.24	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	899659	82.68	ng	0.00
79) Terphenyl-d14	20.13	244	1701488	92.56	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	495	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	63404	16.276	ng	# 73
51) 2,6-Dinitrotoluene	14.79	165	20638	8.043	ng	# 14
57) 2,4-Dinitrotoluene	14.79	165	20638	5.919	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.01	198	60	7.127	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	21967	4.313	ng	# 1
77) Benizidine	20.13	184	35873	3.217	ng	# 95

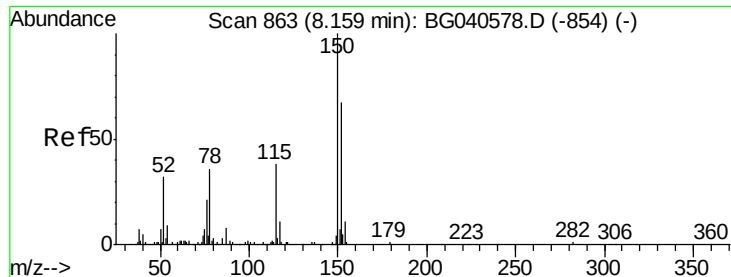
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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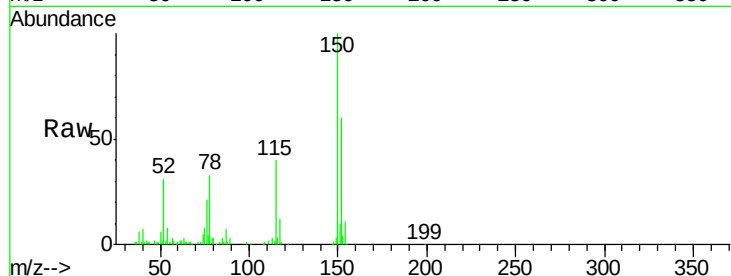


#1

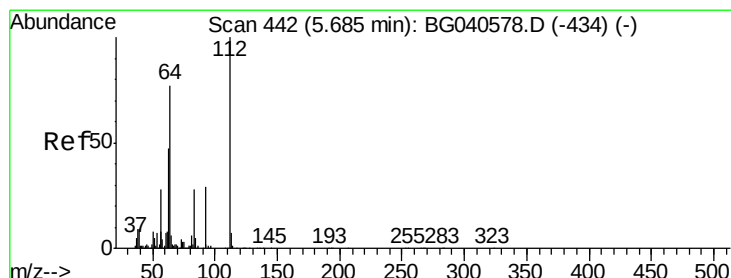
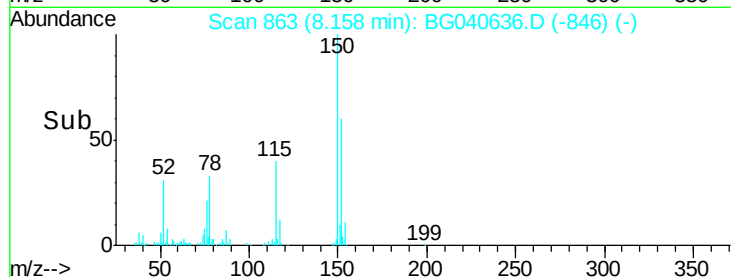
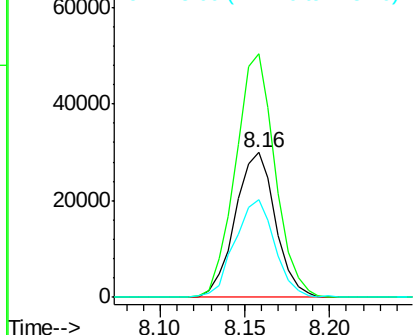
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.1	120.2	180.2
115	67.1	46.2	69.2



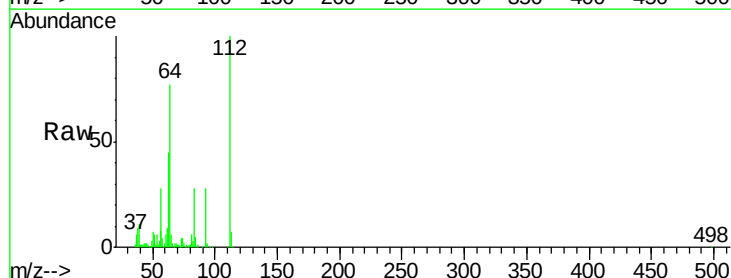
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



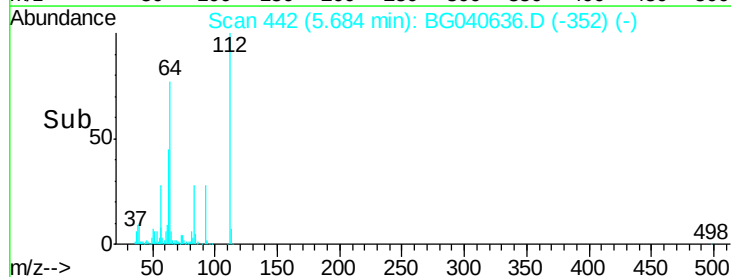
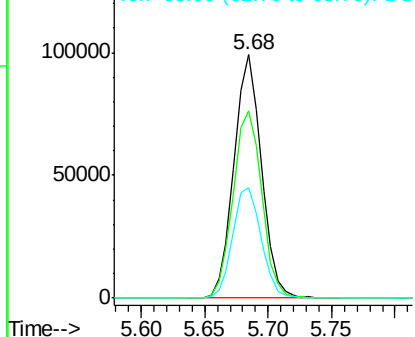
#5

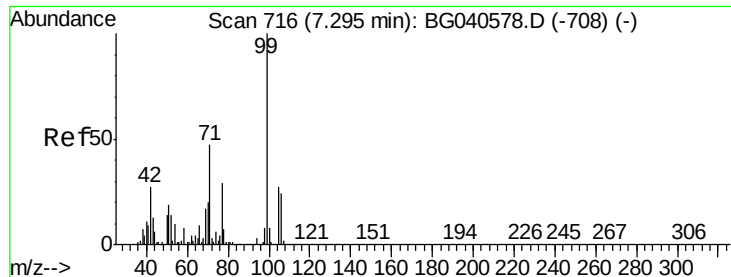
2-Fluorophenol
Concen: 52.808 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.7	61.4	92.0
63	45.2	37.8	56.6



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: 31.556 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Instrument :

BNA_G

ClientSampleId :

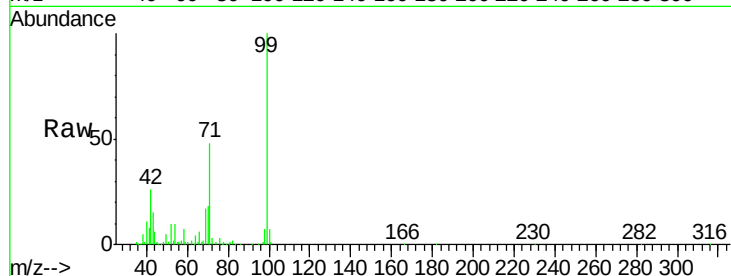
Tot Ion: 99 Resp: 136554

Ion Ratio Lower Upper

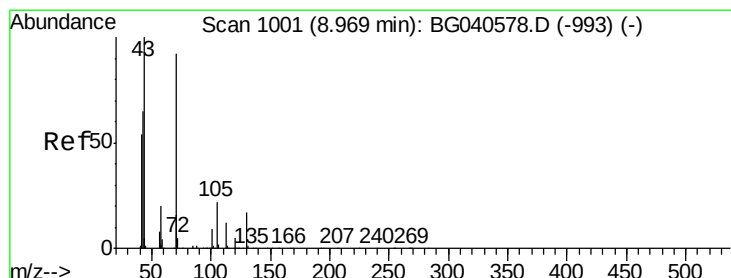
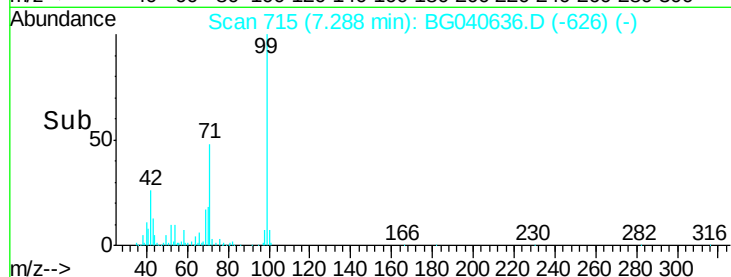
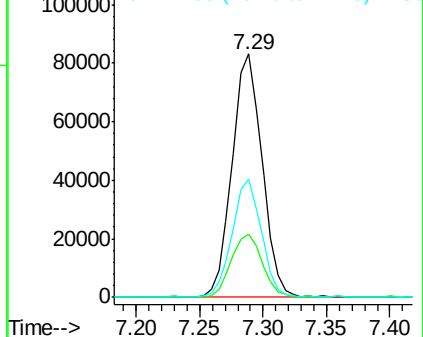
99 100

42 26.1 21.8 32.8

71 48.5 38.6 57.8



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: 16.276 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Tgt Ion: 70 Resp: 63404

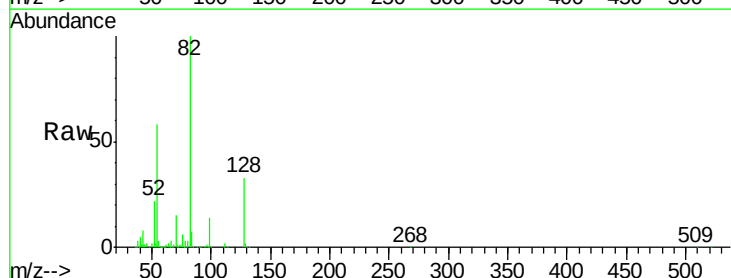
Ion Ratio Lower Upper

70 100

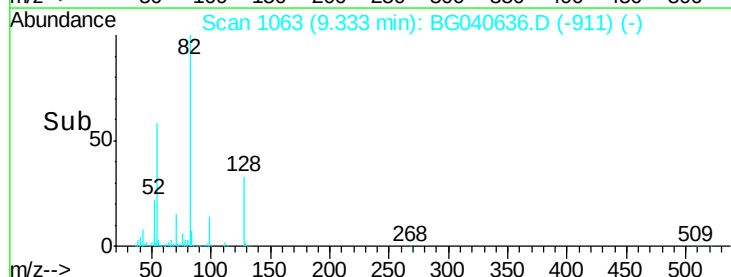
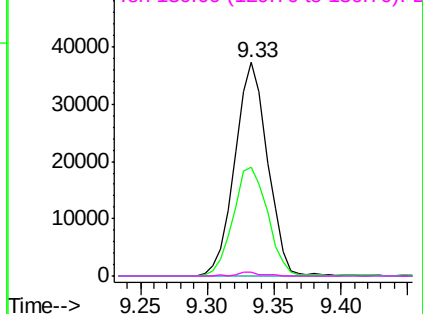
42 51.1 57.1 85.7#

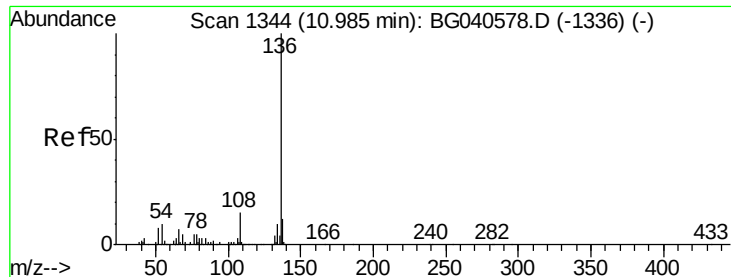
101 0.0 7.8 11.8#

130 1.6 14.6 21.8#



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

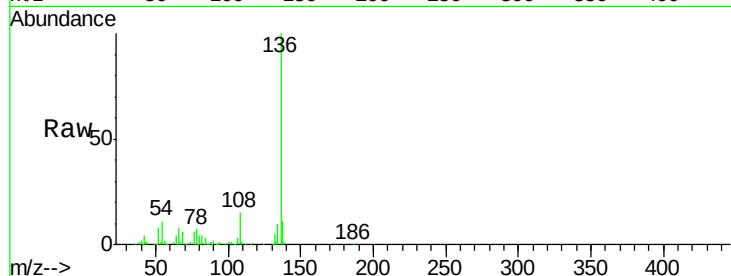




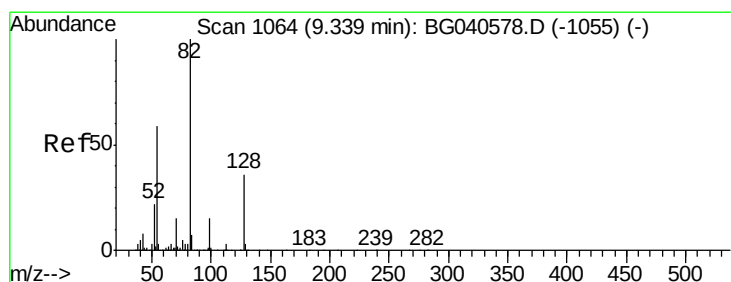
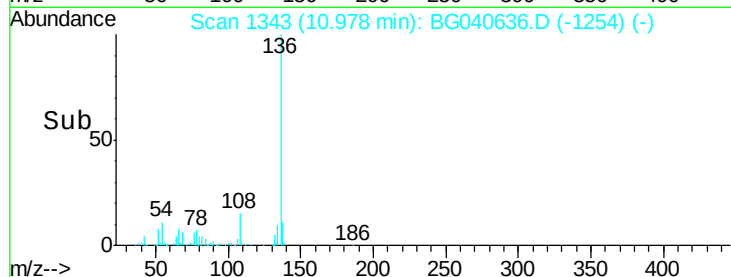
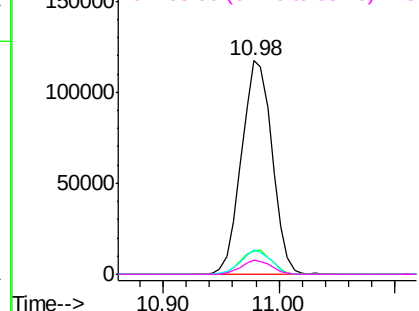
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	215374	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.7	14.5	
54 11.4	8.6	12.8	
68 6.4	4.8	7.2	

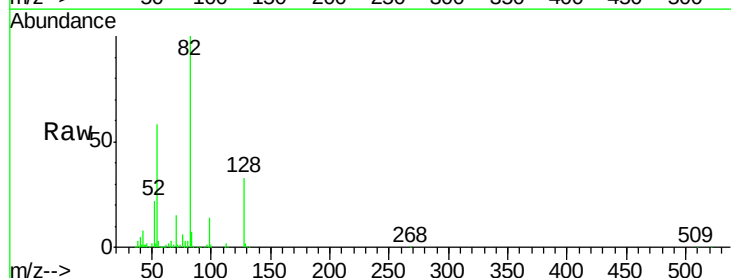


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

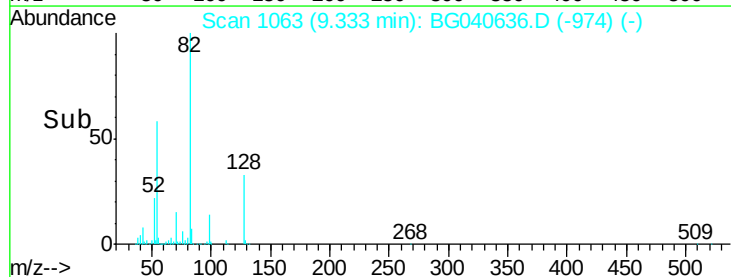
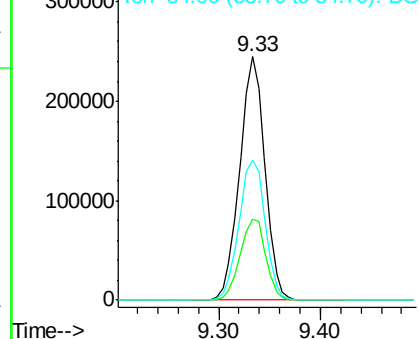


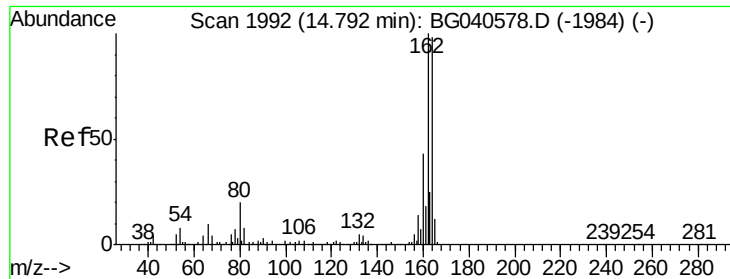
#23
Nitrobenzene-d5
Concen: 90.692 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

Tgt Ion: 82	Resp: 422728
Ion Ratio	Lower Upper
82 100	
128 33.3	28.9 43.3
54 57.5	47.2 70.8



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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Instrument :

BNA_G

ClientSampleId :

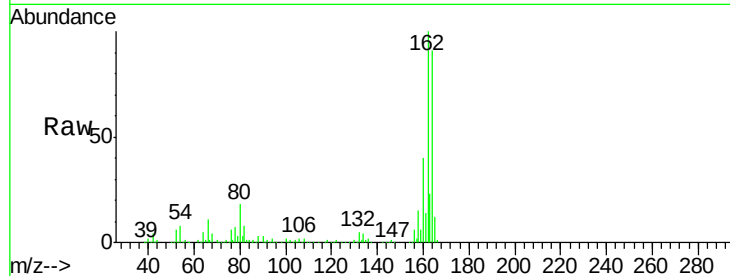
Tot Ion:164 Resp: 157145

Ion Ratio Lower Upper

164 100

162 109.3 81.9 122.9

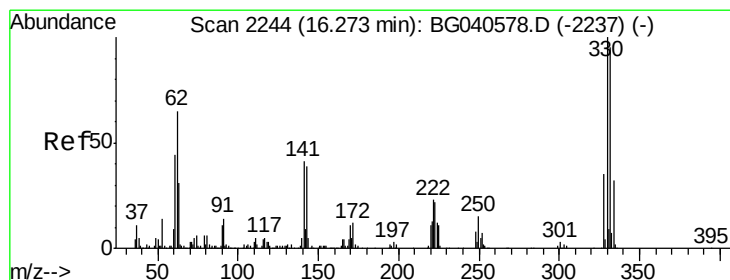
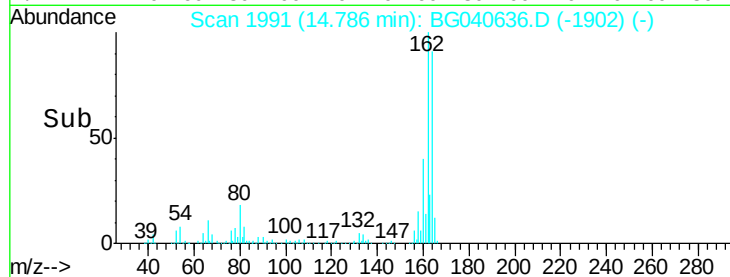
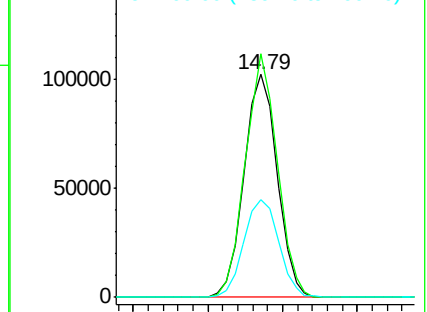
160 43.8 35.4 53.2



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: 135.244 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

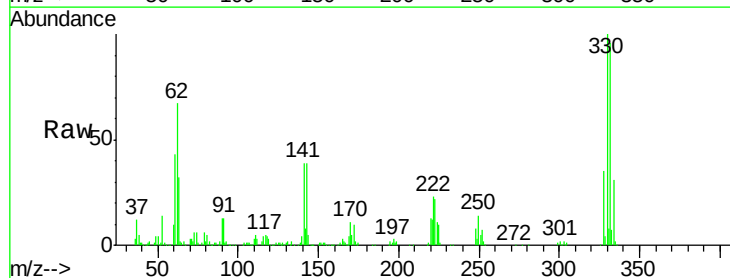
Tgt Ion:330 Resp: 292126

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

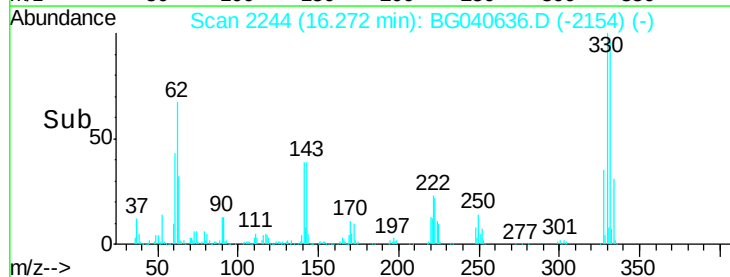
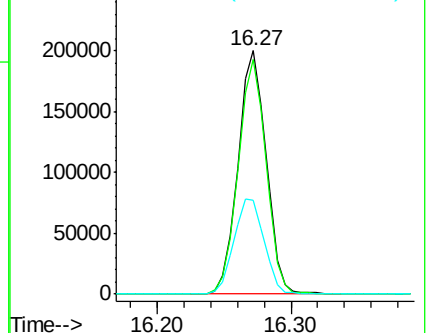
141 42.2 32.4 48.6

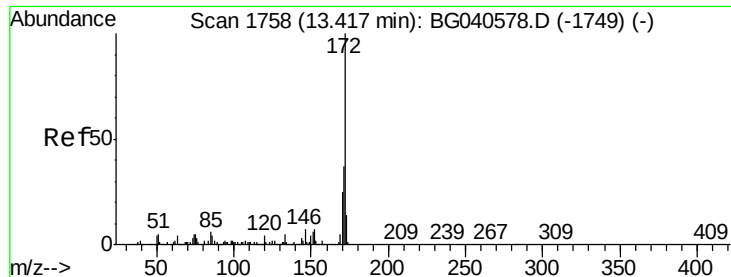


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

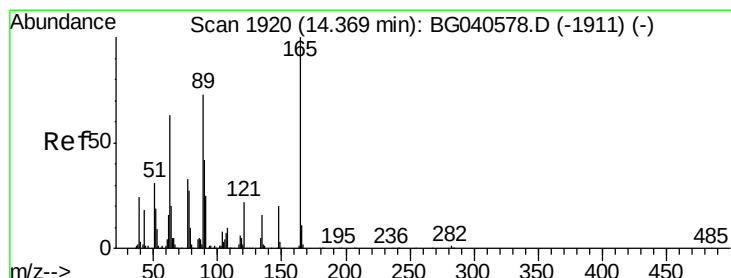
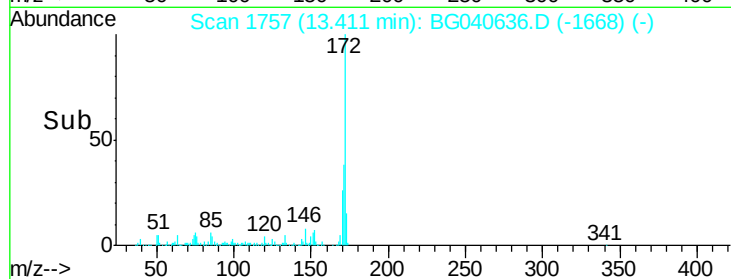
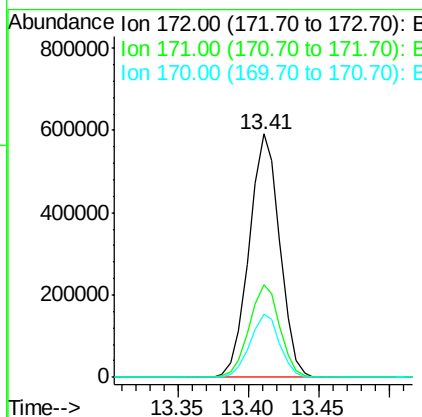
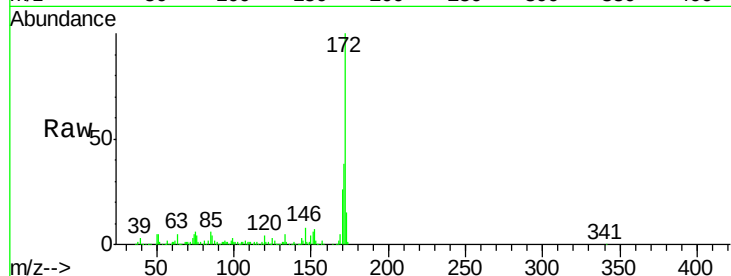




#45
2-Fluorobiphenyl
Concen: 82.681 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

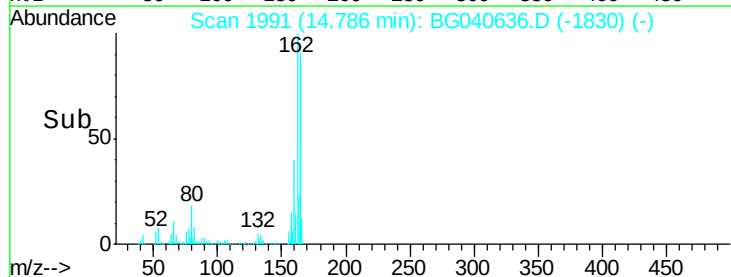
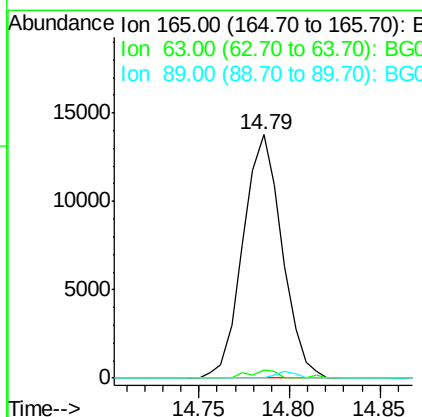
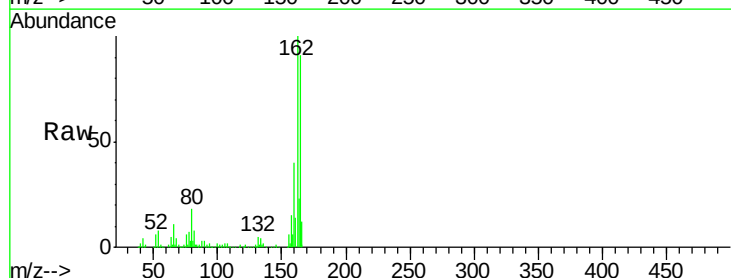
Instrument :
BNA_G
ClientSampleId :

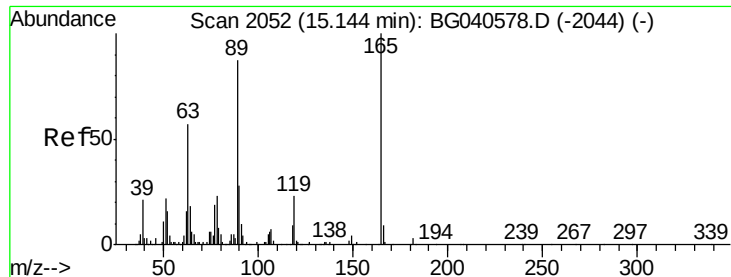
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	29.4	44.2
170	26.0	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.043 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040636.D
Acq: 26 Apr 2019 19:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	61.0	91.4#
89	0.0	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.919 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20638

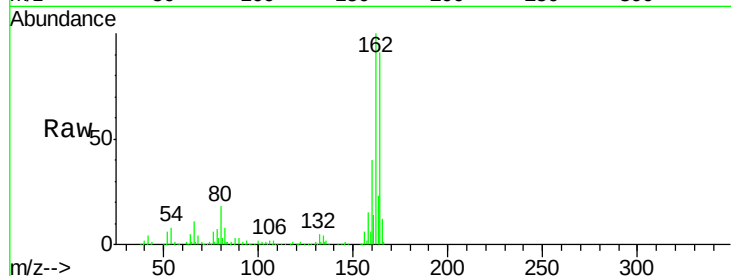
Ion Ratio Lower Upper

165 100

63 3.1 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

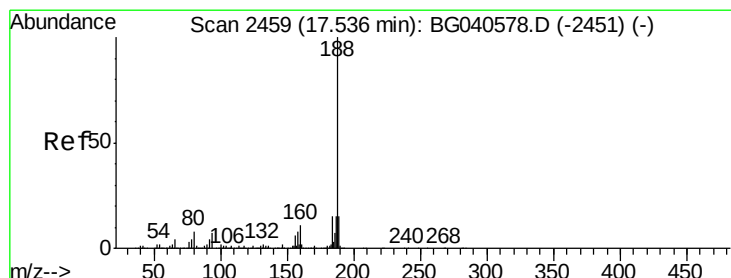
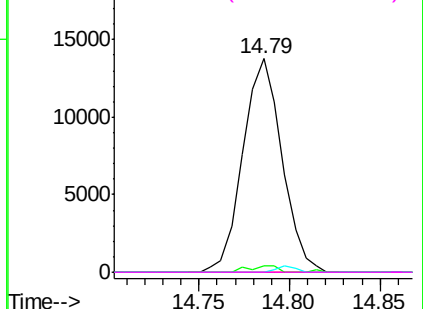
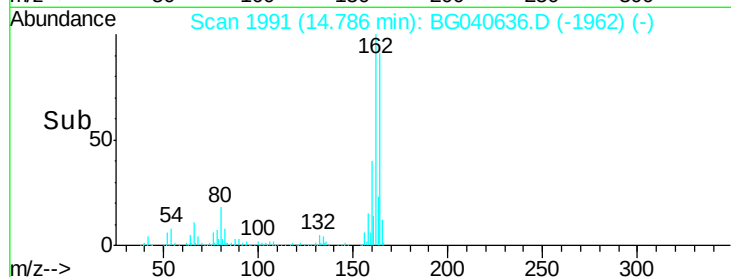


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

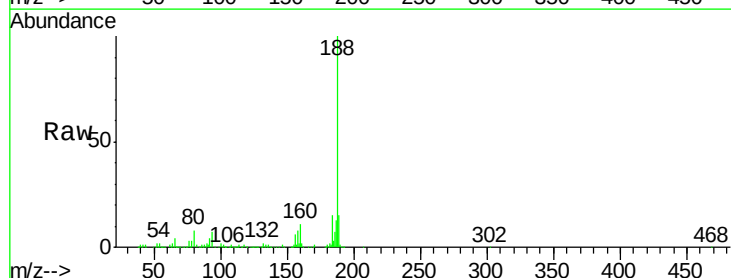
Tgt Ion:188 Resp: 408787

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

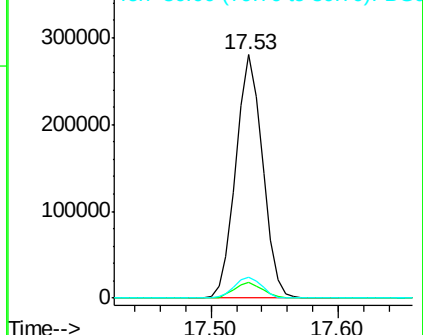
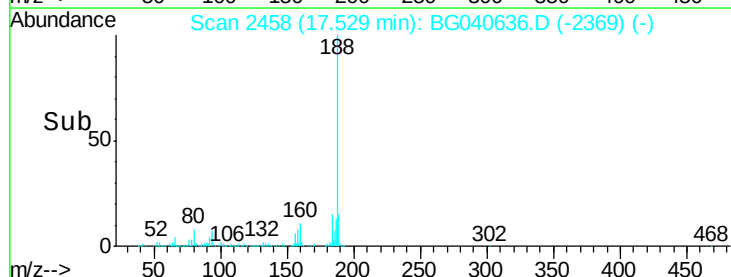
80 8.5 6.4 9.6

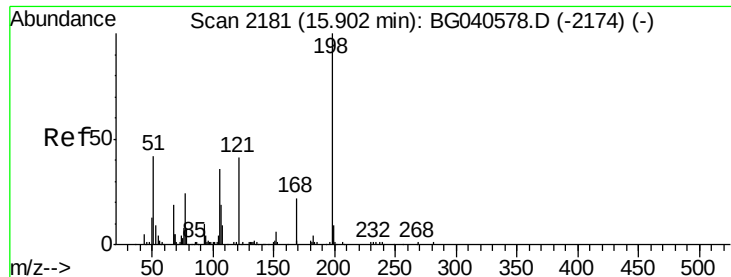


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.127 ng

RT: 16.01 min Scan# 2200

Delta R.T. 0.11 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Instrument :

BNA_G

ClientSampleId :

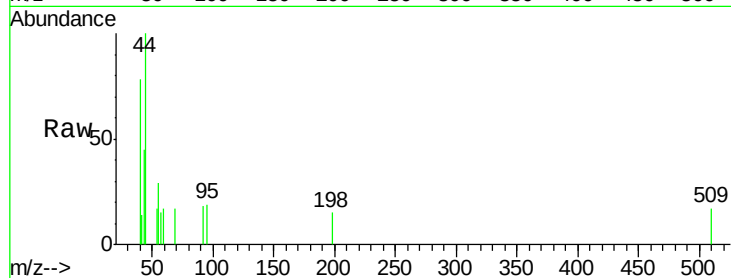
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

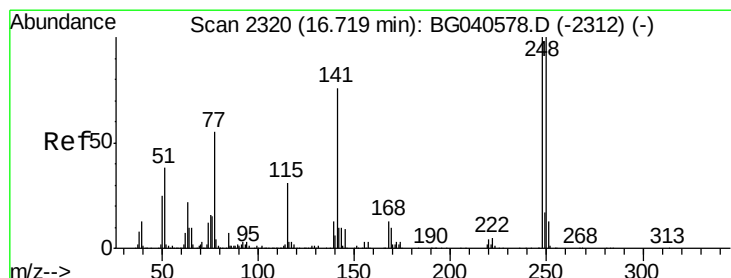
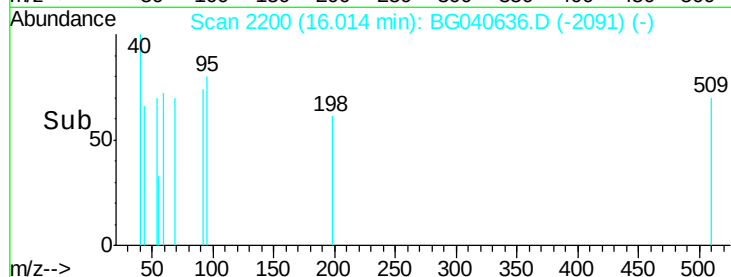
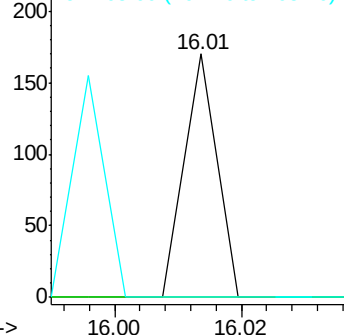
105 0.0 21.2 61.2#



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: 4.313 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

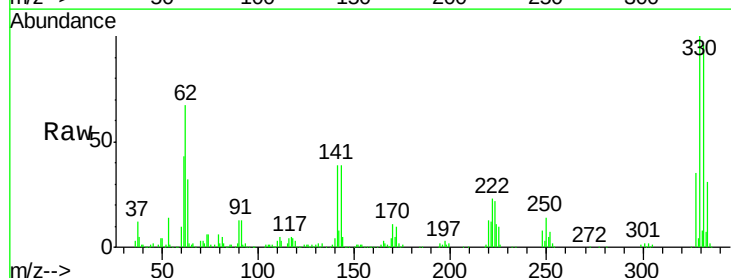
Tgt Ion:248 Resp: 21967

Ion Ratio Lower Upper

248 100

250 184.4 79.8 119.6#

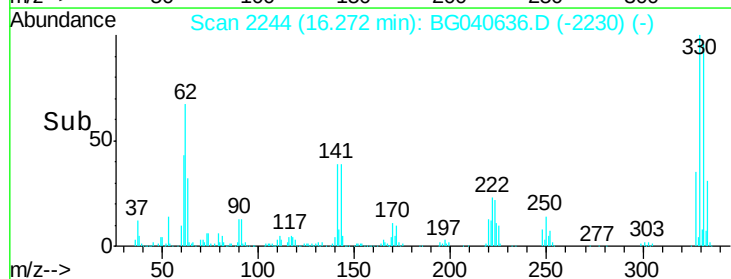
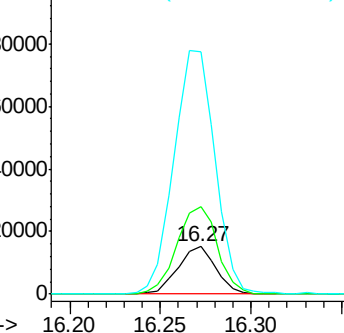
141 514.5 60.8 91.2#

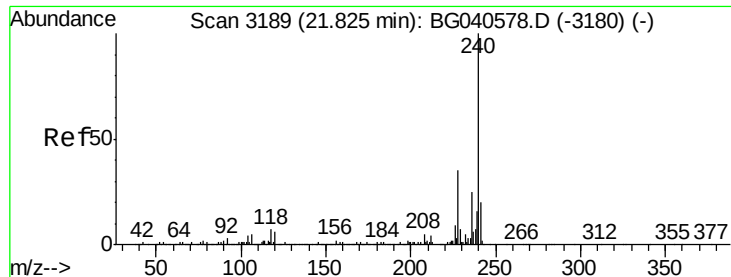


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

Instrument :

BNA_G

ClientSampleId :

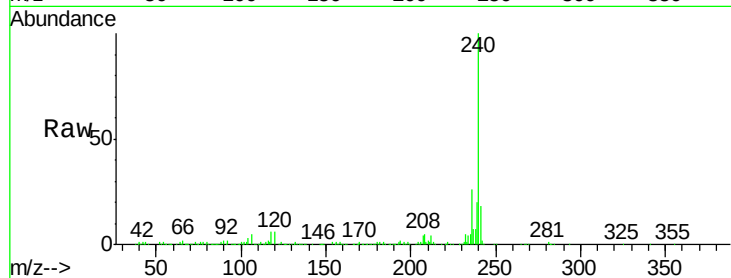
Tot Ion:240 Resp: 407243

Ion Ratio Lower Upper

240 100

120 6.1 5.0 7.6

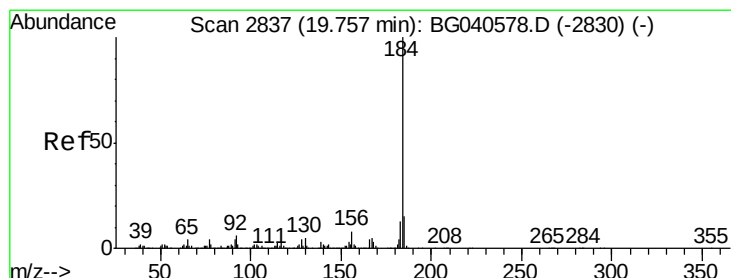
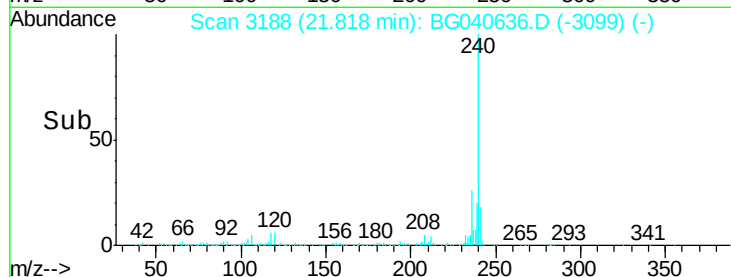
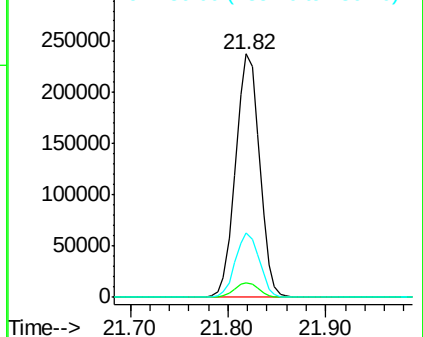
236 26.3 20.3 30.5



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: 3.217 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.38 min

Lab File: BG040636.D

Acq: 26 Apr 2019 19:22

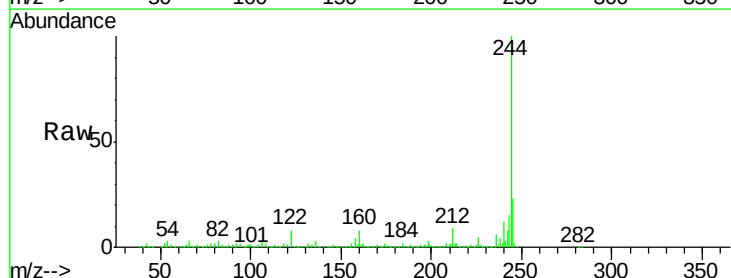
Tgt Ion:184 Resp: 35873

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

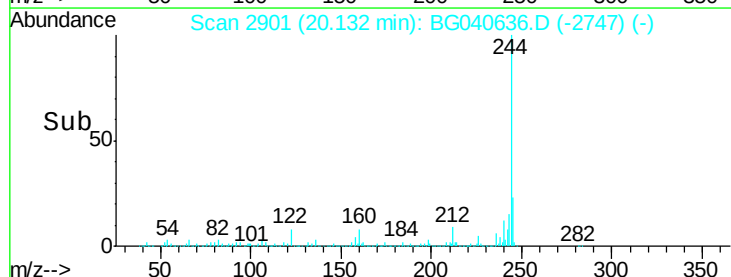
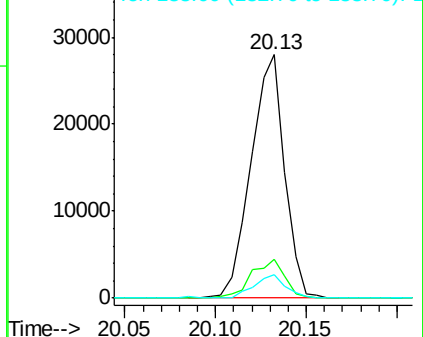
183 9.6 10.2 15.2#

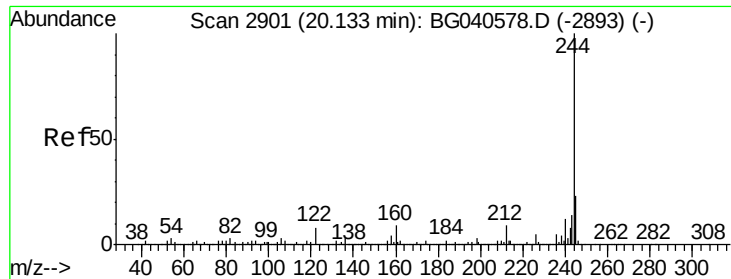


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



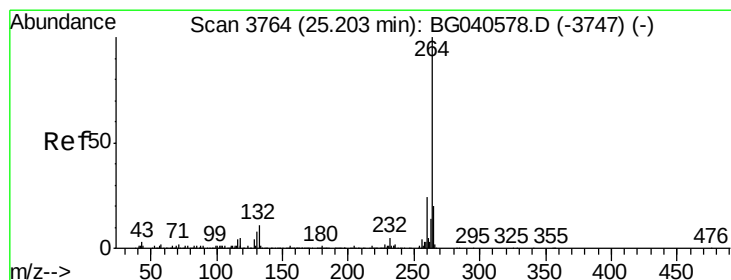
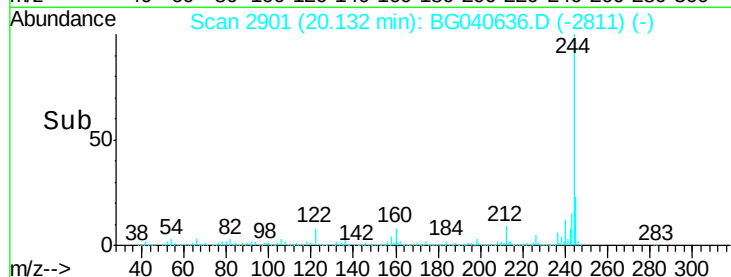
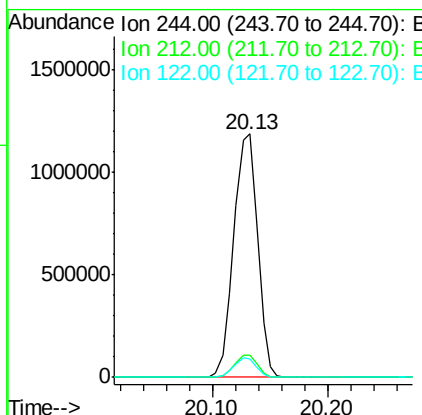
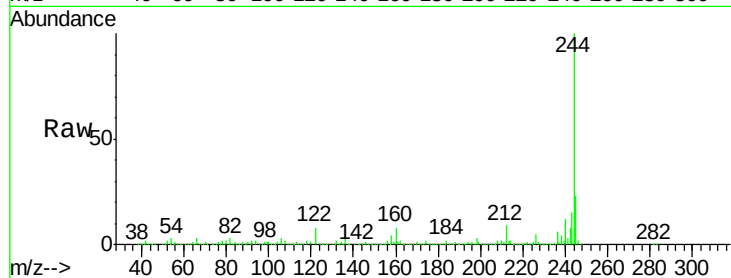


#79
 Terphenyl-d14
 Concen: 92.562 ng
 RT: 20.13 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: BG040636.D
 Acq: 26 Apr 2019 19:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1701488

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.2	10.8
122	7.6	6.6	10.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BG040636.D
 Acq: 26 Apr 2019 19:22

Tgt Ion:264 Resp: 424728

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	20.0	16.6	25.0

