

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040663.D
 Acq On : 29 Apr 2019 16:03
 Operator : JU/SJ
 Sample : K2576-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:47:07 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

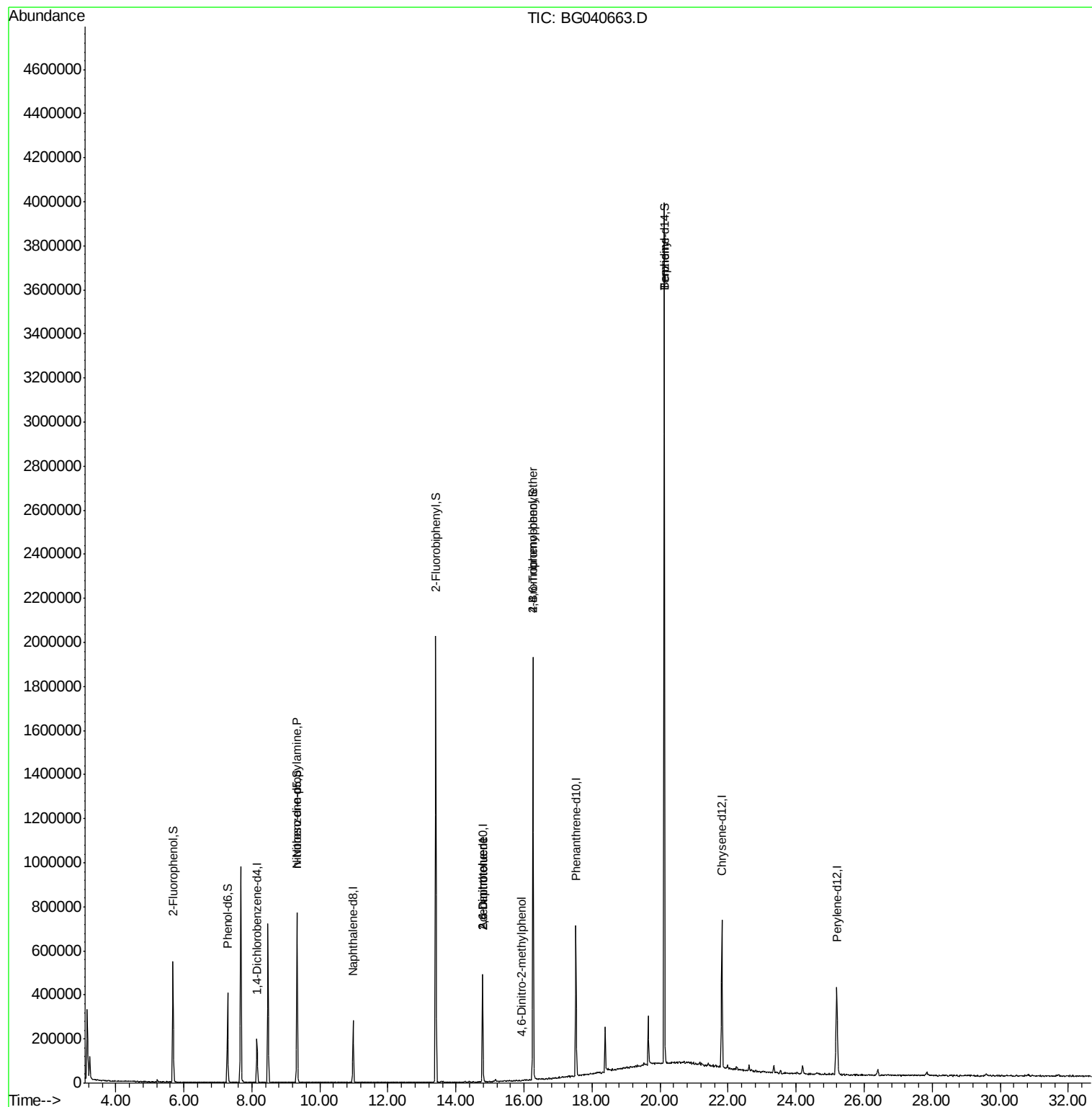
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	49407	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	212643	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	160468	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	405932	20.00	ng	0.00
76) Chrysene-d12	21.82	240	395024	20.00	ng	0.00
87) Perylene-d12	25.19	264	425960	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	199697	71.25	ng	0.00
7) Phenol-d6	7.29	99	198943	46.10	ng	0.00
23) Nitrobenzene-d5	9.33	82	449270	97.62	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	326541	148.05	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	955158	85.96	ng	0.00
79) Terphenyl-d14	20.12	244	1708640	95.83	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	739	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.32	70	65600	16.887 ng	# 73	
51) 2,6-Dinitrotoluene	14.78	165	20998	8.013 ng	# 14	
57) 2,4-Dinitrotoluene	14.78	165	20998	5.897 ng	# 16	
65) 4,6-Dinitro-2-methylphenol	15.93	198	60	7.127 ng	# 3	
67) 4-Bromophenyl-phenylether	16.26	248	24884	4.920 ng	# 1	
77) Benzydine	20.12	184	35923	3.321 ng	97	

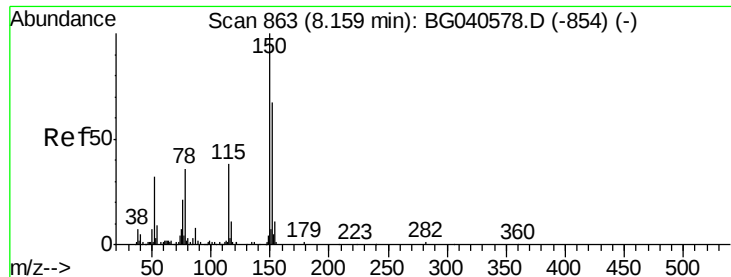
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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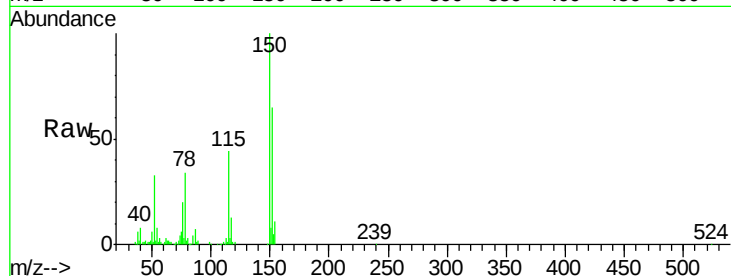


#1

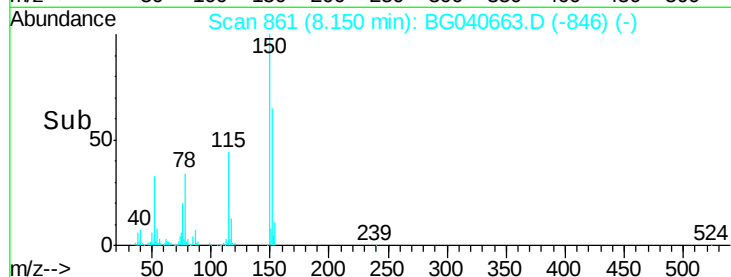
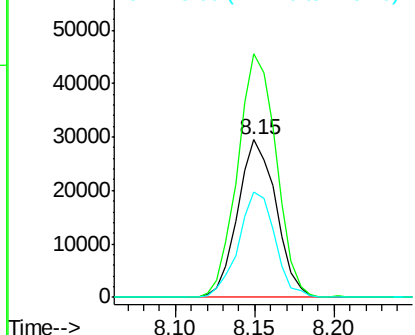
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	120.2	180.2
115	67.2	46.2	69.2



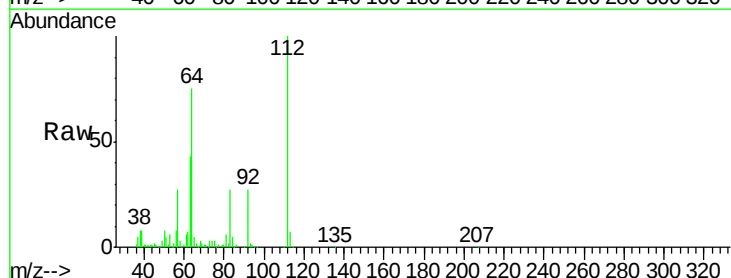
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



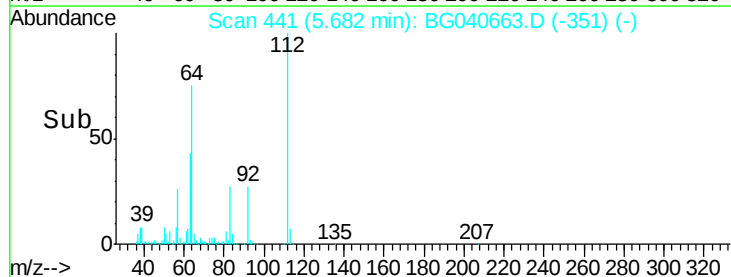
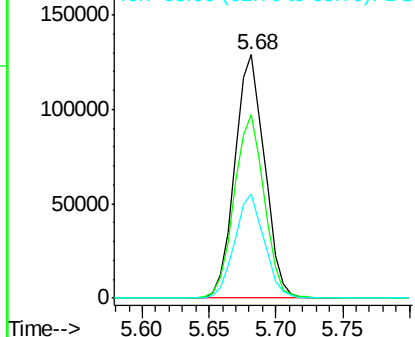
#5

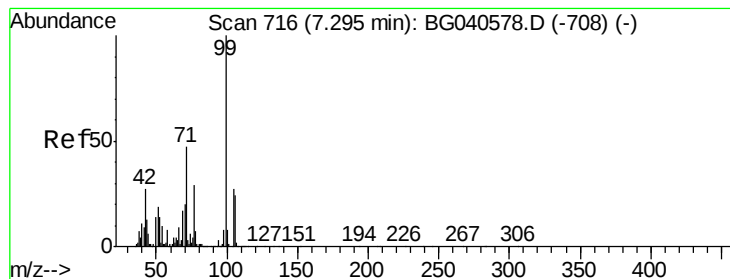
2-Fluorophenol
Concen: 71.249 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	61.4	92.0
63	42.7	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: 46.099 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Instrument :

BNA_G

ClientSampleId :

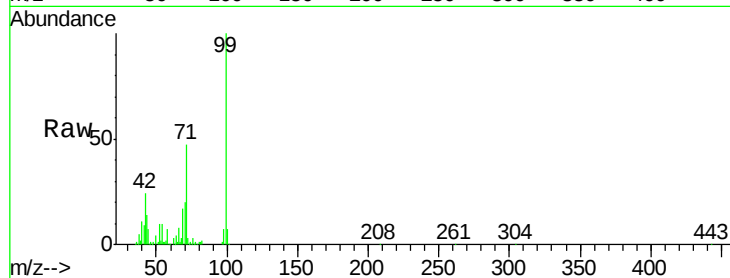
Tot Ion: 99 Resp: 198943

Ion Ratio Lower Upper

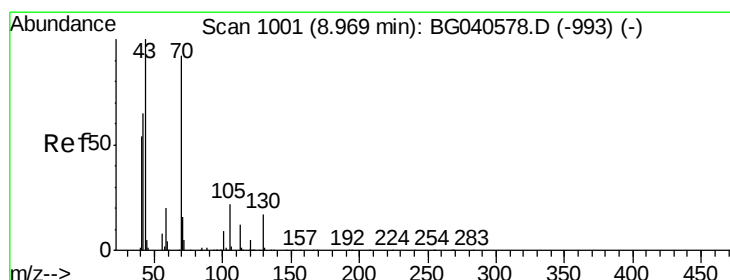
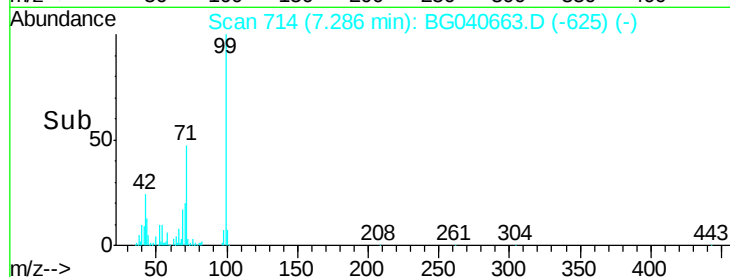
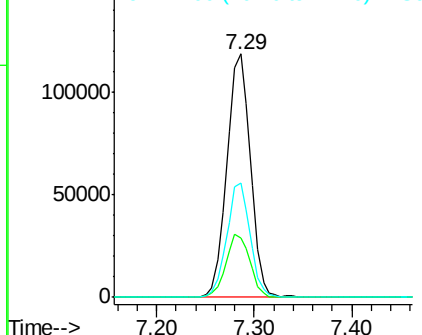
99 100

42 24.4 21.8 32.8

71 47.2 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: 16.887 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.36 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Tgt Ion: 70 Resp: 65600

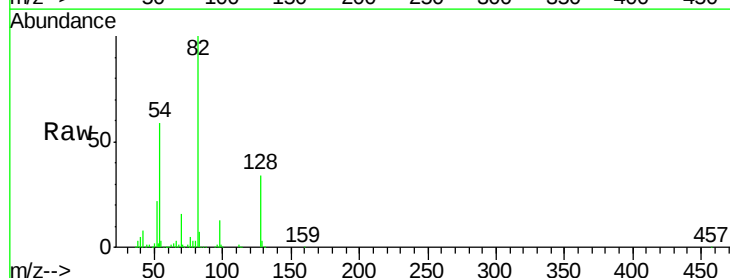
Ion Ratio Lower Upper

70 100

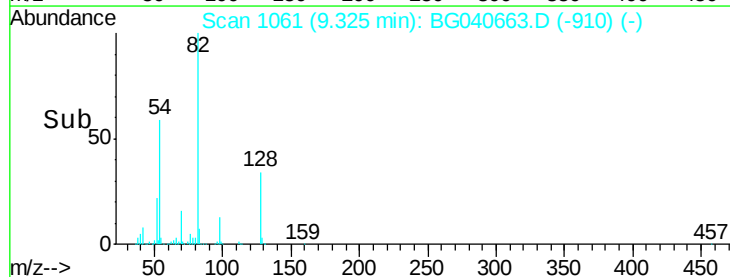
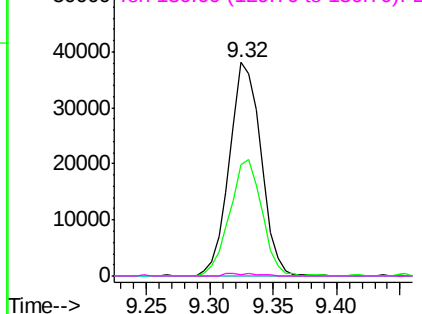
42 52.0 57.1 85.7#

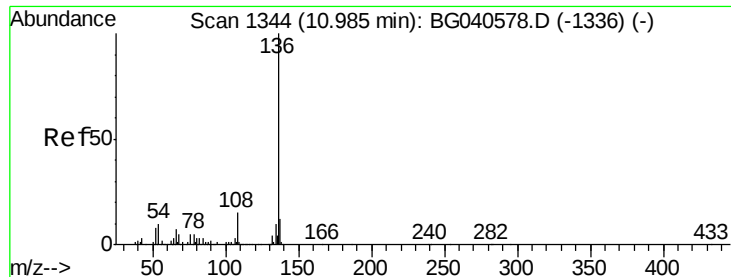
101 0.0 7.8 11.8#

130 0.7 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

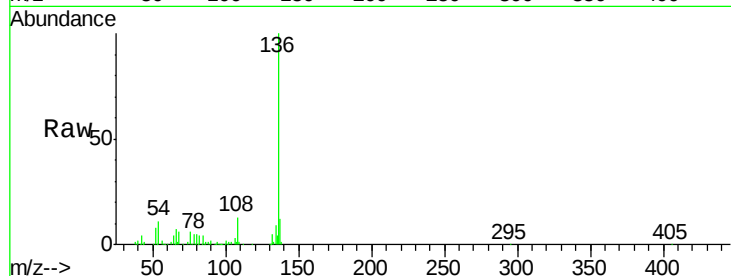




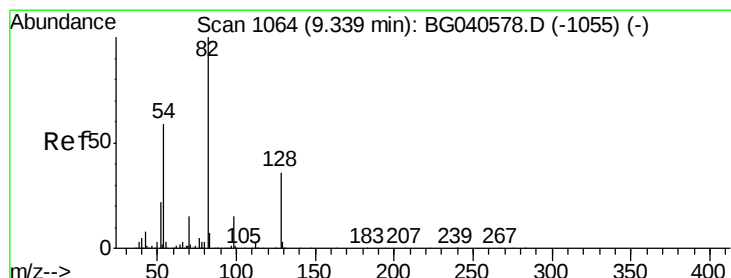
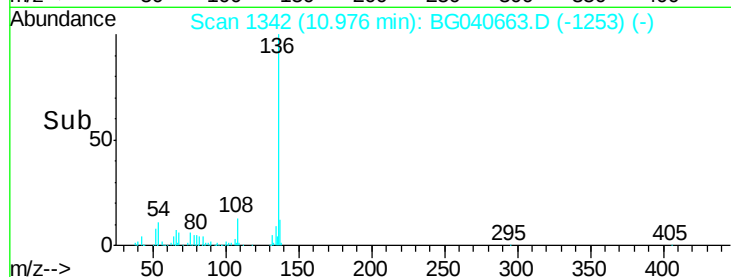
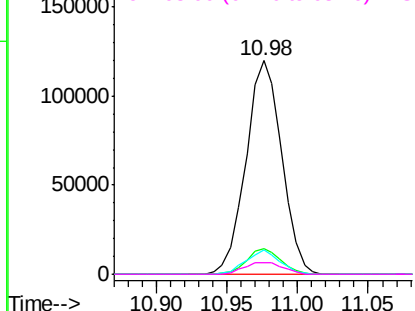
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	212643	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	9.7	14.5	
54 11.2	8.6	12.8	
68 5.6	4.8	7.2	

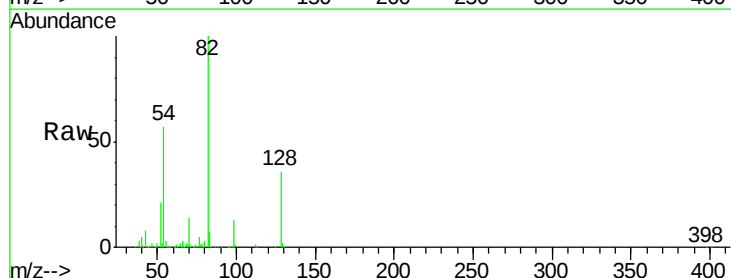


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

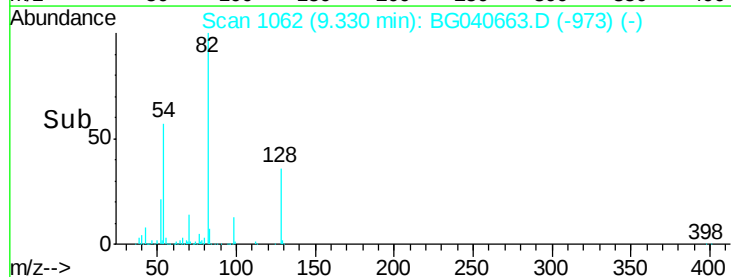
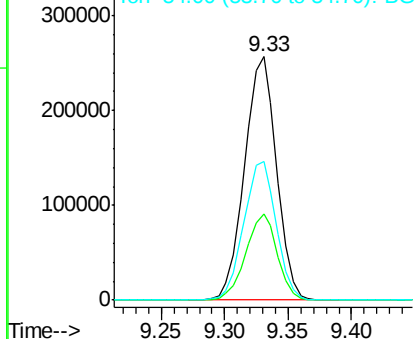


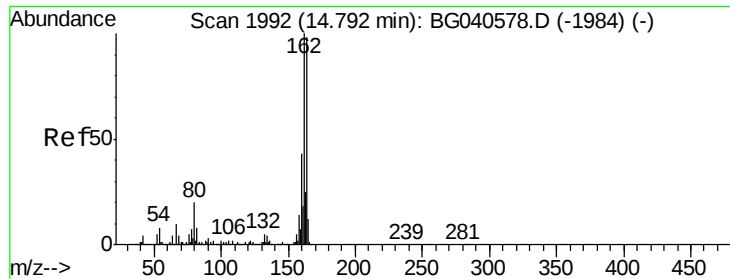
#23
Nitrobenzene-d5
Concen: 97.624 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

Tgt Ion: 82	Resp: 449270
Ion Ratio	Lower Upper
82 100	
128 35.5	28.9 43.3
54 57.0	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: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Instrument :

BNA_G

ClientSampleId :

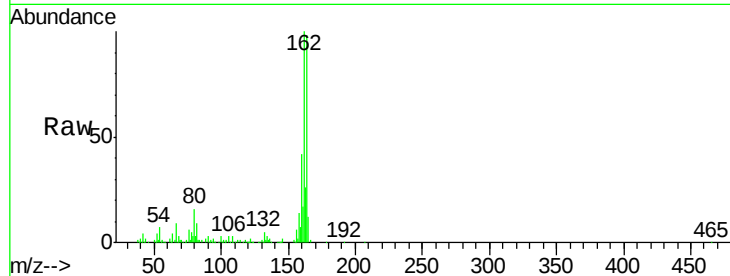
Tot Ion:164 Resp: 160468

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.9	122.9
160	43.0	35.4	53.2

164 100

162 102.3 81.9 122.9

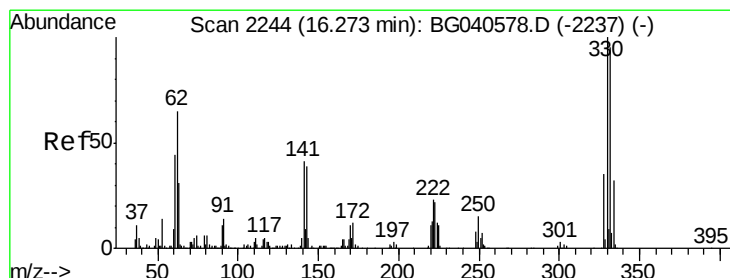
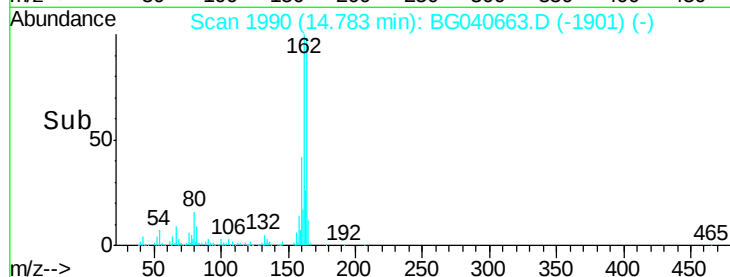
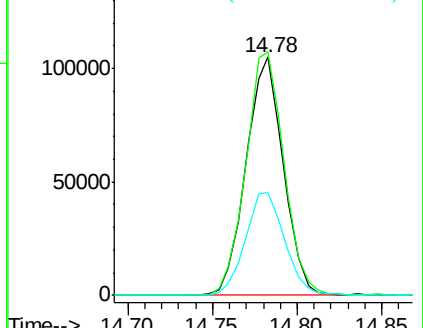
160 43.0 35.4 53.2



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: 148.046 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

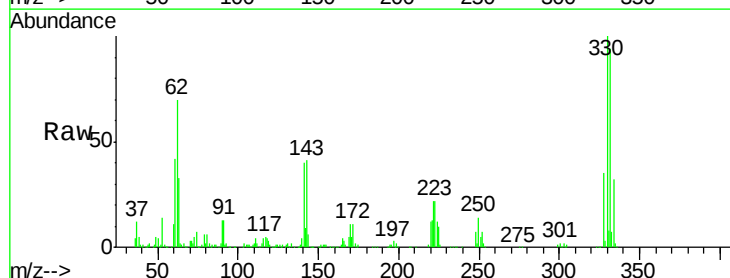
Tgt Ion:330 Resp: 326541

Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.9	113.9
141	40.4	32.4	48.6

330 100

332 95.8 75.9 113.9

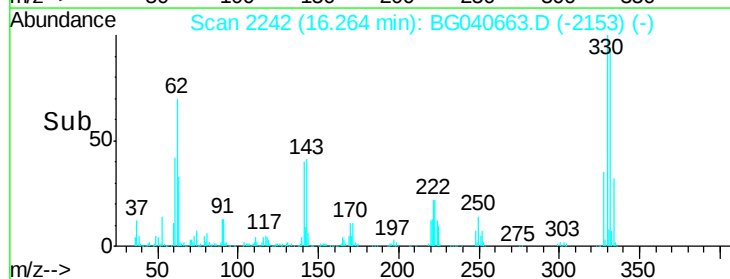
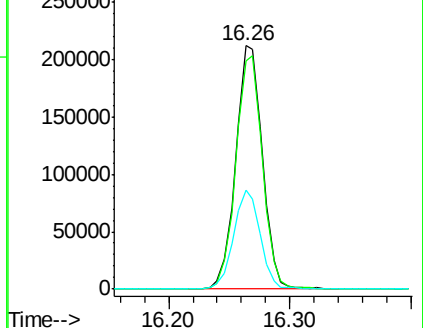
141 40.4 32.4 48.6

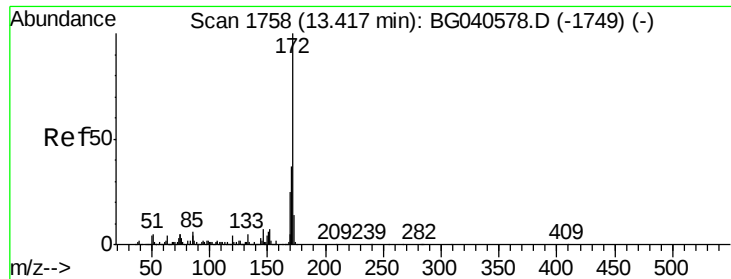


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

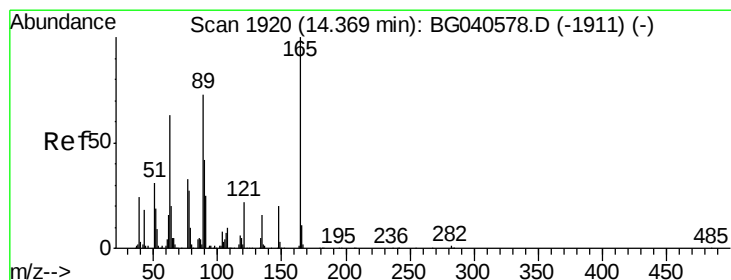
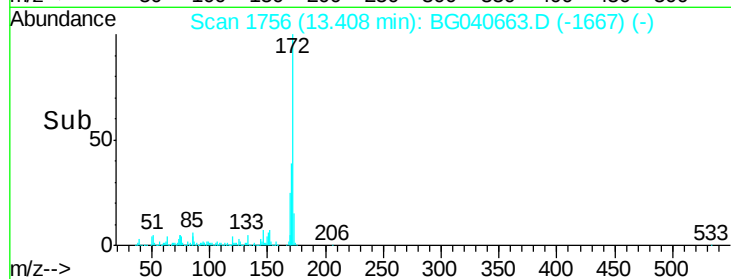
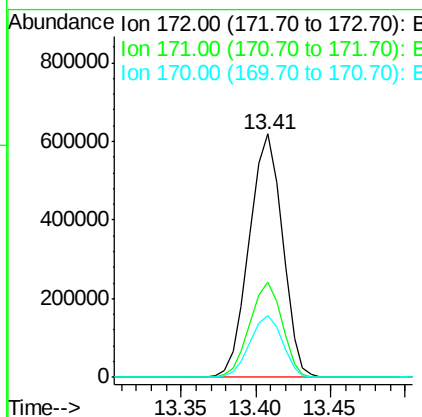
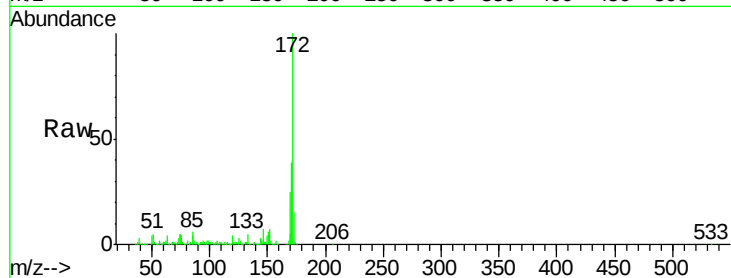




#45
2-Fluorobiphenyl
Concen: 85.963 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

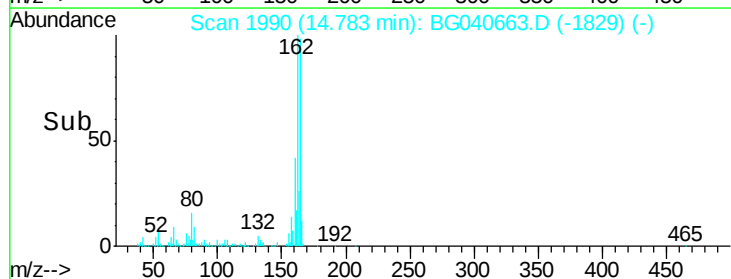
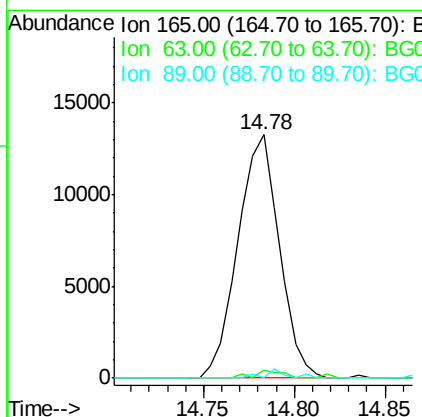
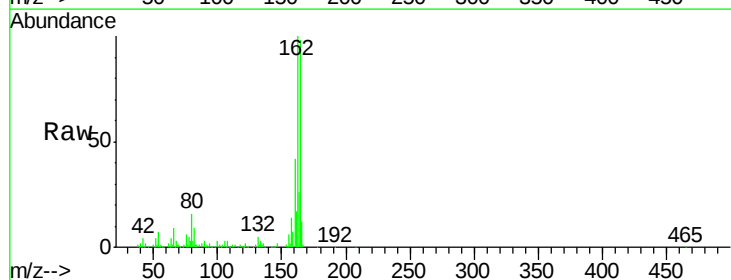
Instrument :
BNA_G
ClientSampleId :

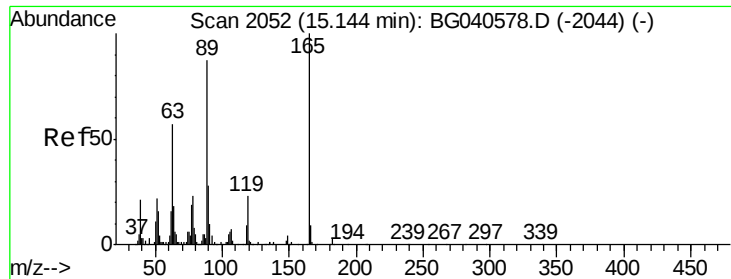
Tot Ion:172 Resp: 955158
Ion Ratio Lower Upper
172 100
171 39.0 29.4 44.2
170 25.3 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.013 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.41 min
Lab File: BG040663.D
Acq: 29 Apr 2019 16:03

Tgt Ion:165 Resp: 20998
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: 5.897 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20998

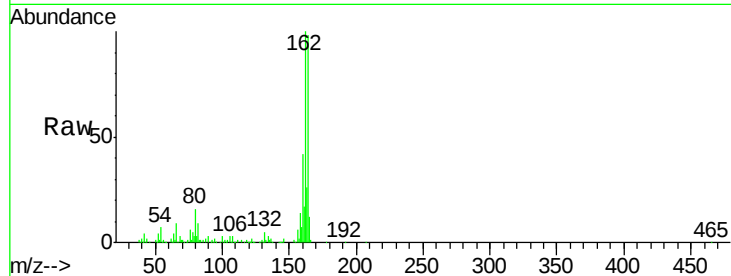
Ion Ratio Lower Upper

165 100

63 3.1 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

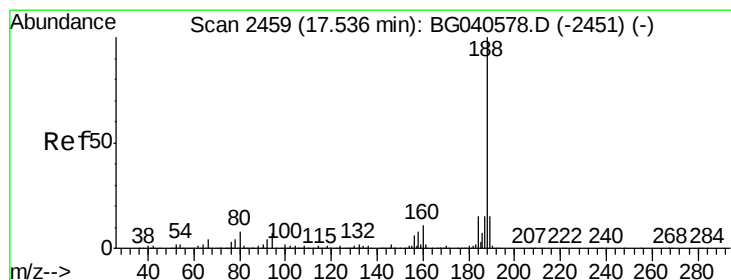
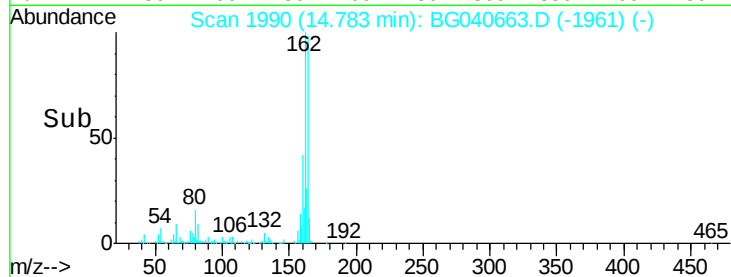
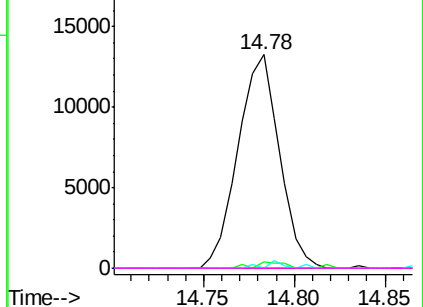


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2457

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

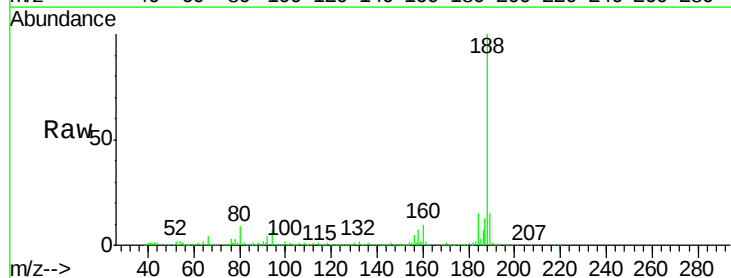
Tgt Ion:188 Resp: 405932

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

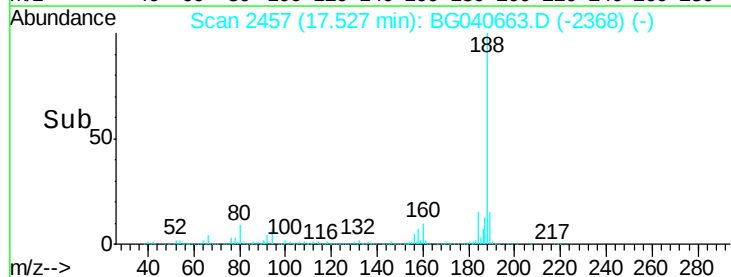
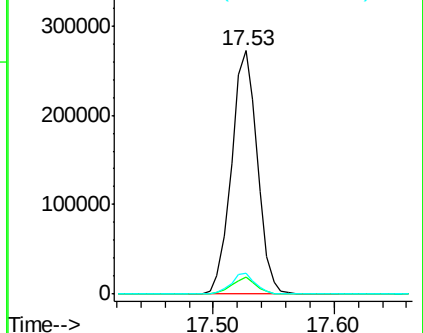
80 8.6 6.4 9.6

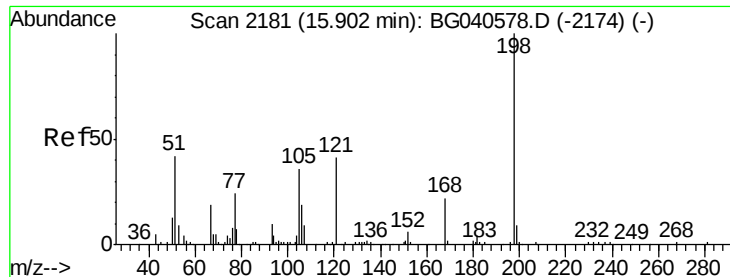


Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.93 min Scan# 2186

Delta R.T. 0.03 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

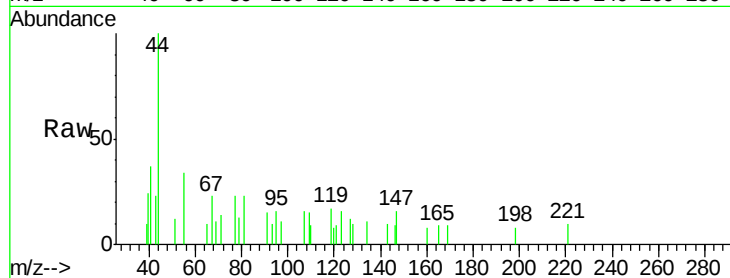
Instrument :

BNA_G

ClientSampled :

Tot Ion:198 Resp: 60

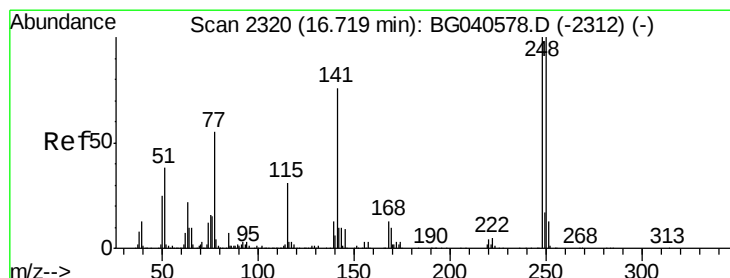
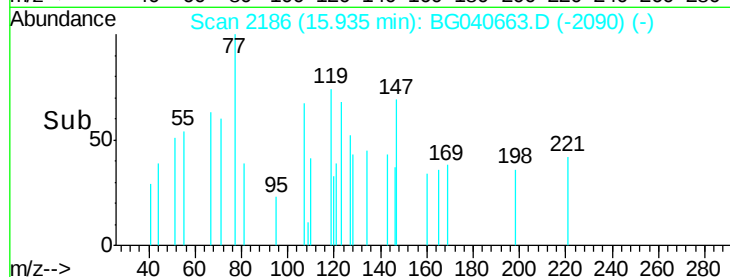
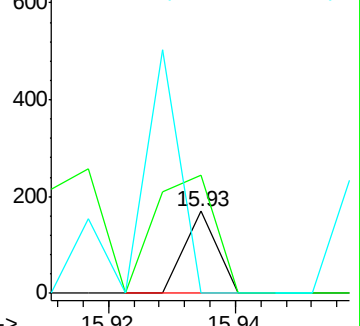
Ion	Ratio	Lower	Upper
198	100		
51	143.5	35.9	75.9#
105	0.0	21.2	61.2#



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: 4.920 ng

RT: 16.26 min Scan# 2242

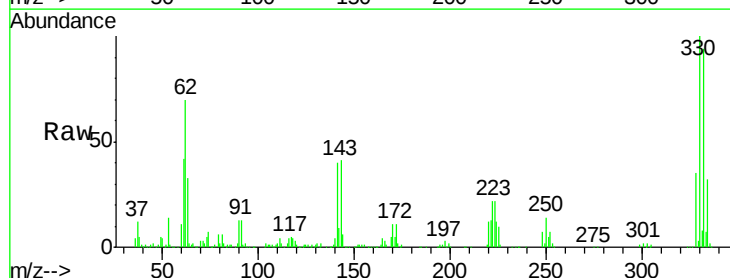
Delta R.T. -0.46 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Tgt Ion:248 Resp: 24884

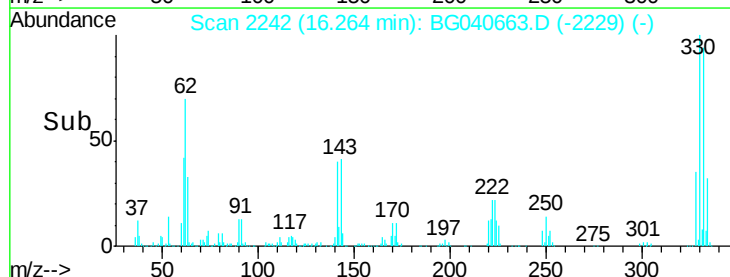
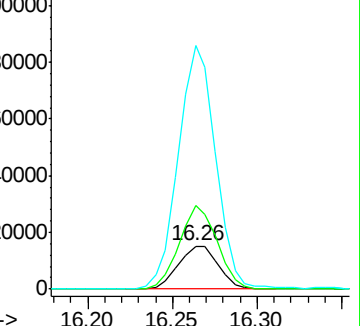
Ion	Ratio	Lower	Upper
248	100		
250	195.8	79.8	119.6#
141	567.0	60.8	91.2#

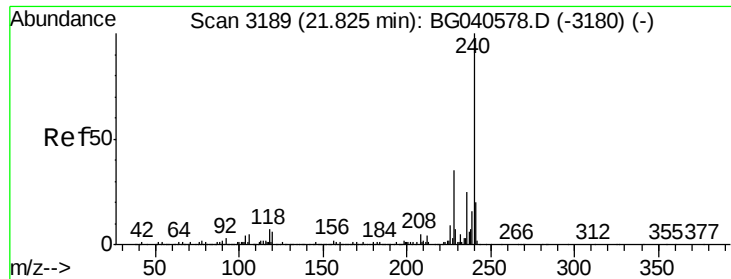


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3187

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Instrument :

BNA_G

ClientSampleId :

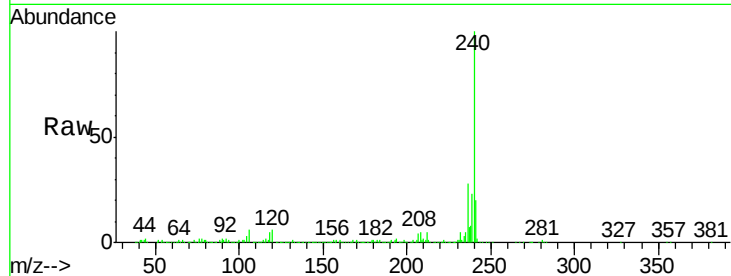
Tot Ion:240 Resp: 395024

Ion Ratio Lower Upper

240 100

120 5.8 5.0 7.6

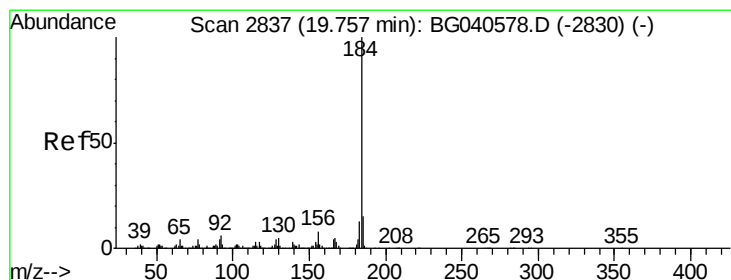
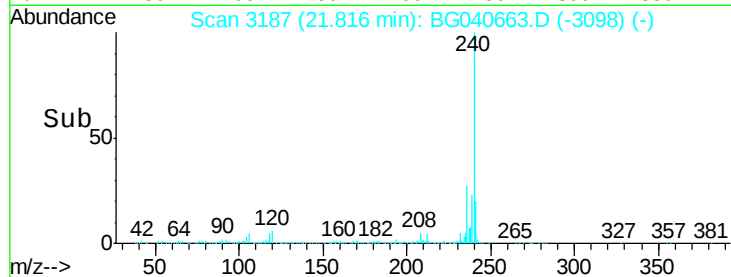
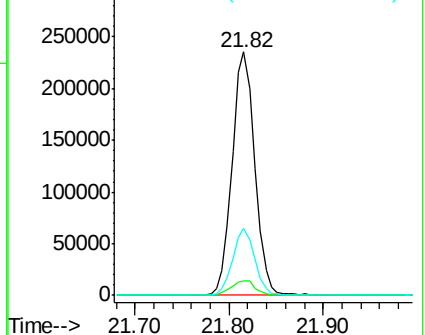
236 27.5 20.3 30.5



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: 3.321 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

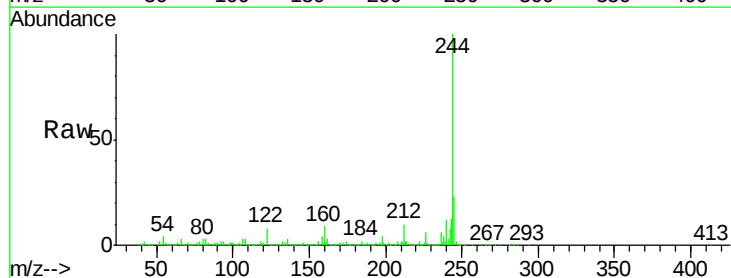
Tgt Ion:184 Resp: 35923

Ion Ratio Lower Upper

184 100

185 15.2 11.8 17.8

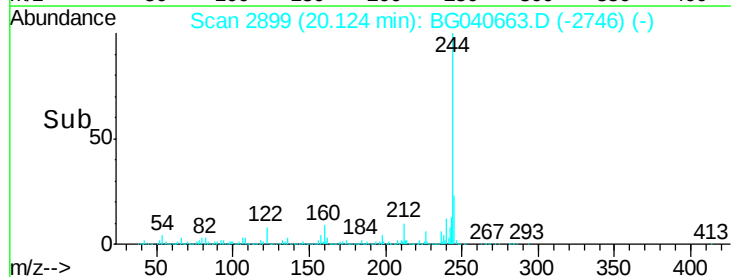
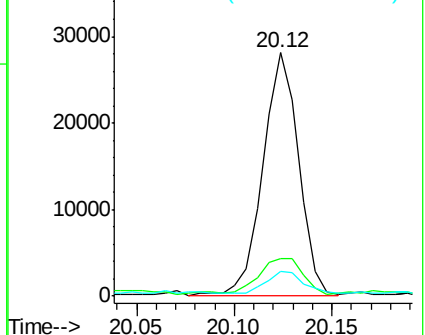
183 10.3 10.2 15.2

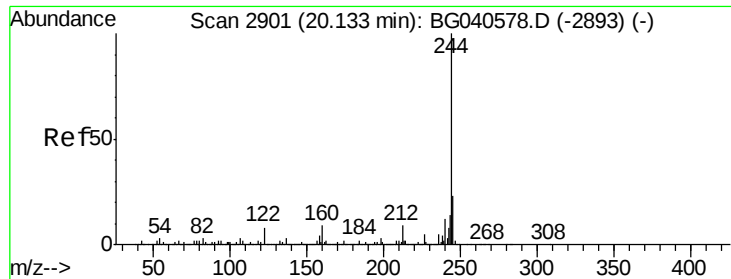


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 95.826 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

Instrument :

BNA_G

ClientSampleId :

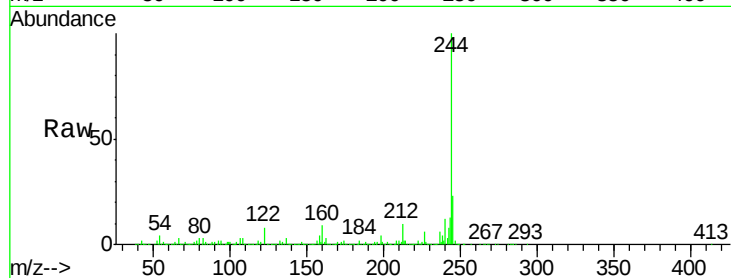
Tot Ion:244 Resp: 1708640

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

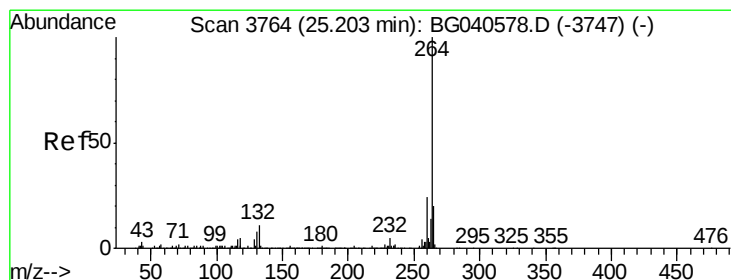
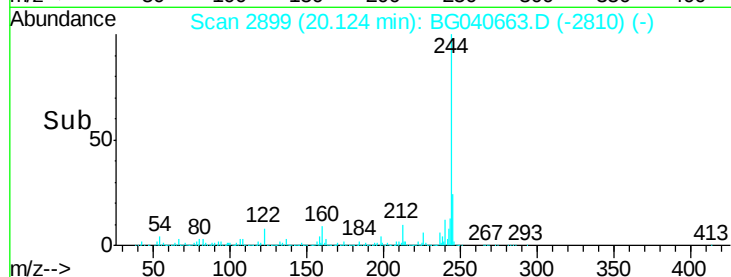
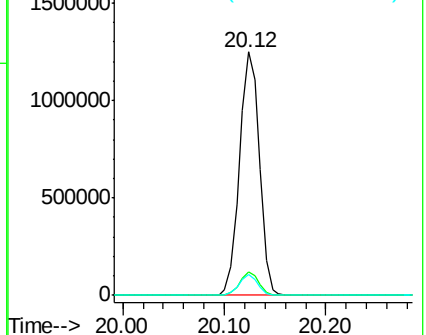
122 8.3 6.6 10.0



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: 25.19 min Scan# 3761

Delta R.T. -0.01 min

Lab File: BG040663.D

Acq: 29 Apr 2019 16:03

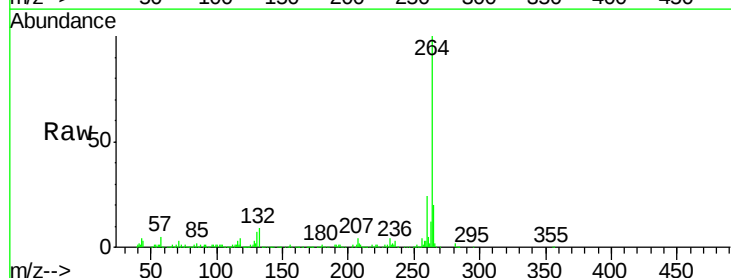
Tgt Ion:264 Resp: 425960

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.1 16.6 25.0



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

