

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040645.D
 Acq On : 27 Apr 2019 2:17
 Operator : JU/SJ
 Sample : K2203-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 04:41:13 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	42188	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	165997	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	123045	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	332171	20.00	ng	0.00
76) Chrysene-d12	21.81	240	355295	20.00	ng	-0.01
87) Perylene-d12	25.19	264	366739	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	320506	133.92	ng	0.00
7) Phenol-d6	7.29	99	412945	112.06	ng	0.00
23) Nitrobenzene-d5	9.33	82	391555	108.99	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	274355	162.22	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	813496	95.48	ng	0.00
79) Terphenyl-d14	20.13	244	1700853	106.06	ng	0.00

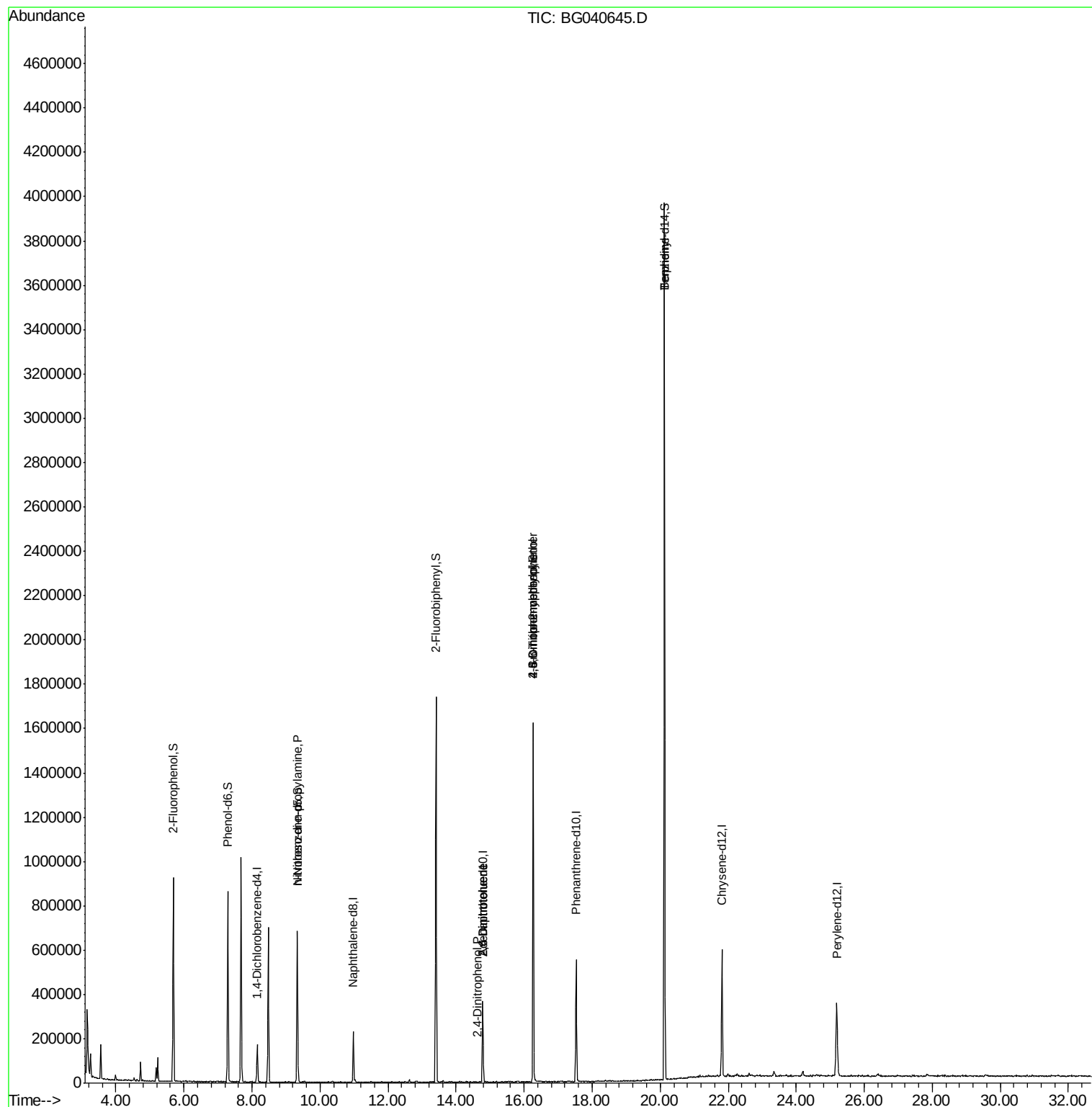
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	1248	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.33	70	57879	17.448	ng	# 78
51) 2,6-Dinitrotoluene	14.78	165	16113	8.019	ng	# 14
54) 2,4-Dinitrophenol	14.62	184	60	7.063	ng	# 21
57) 2,4-Dinitrotoluene	14.78	165	16113	5.902	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.27	198	1073	7.660	ng	# 78
67) 4-Bromophenyl-phenylether	16.27	248	20341	4.915	ng	# 1
77) Benzidine	20.13	184	34308	3.527	ng	# 94

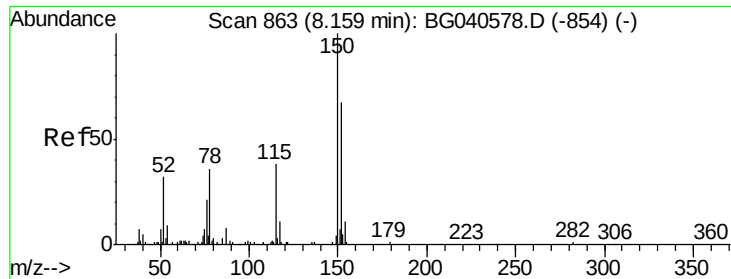
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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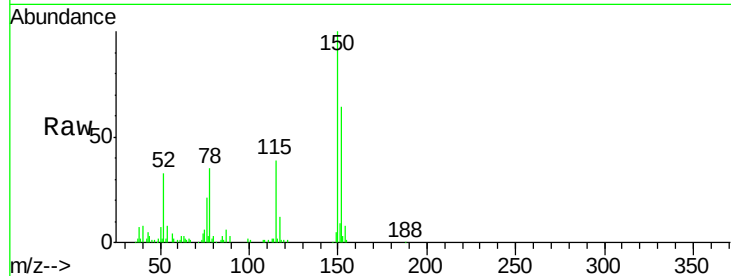


#1

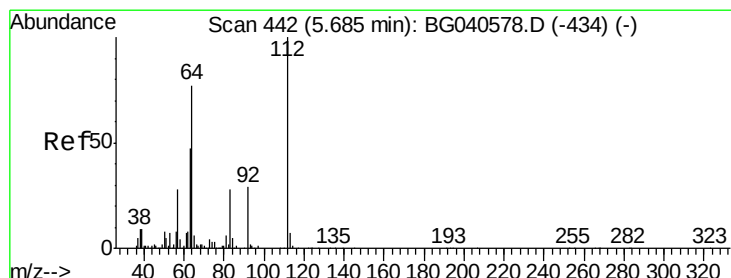
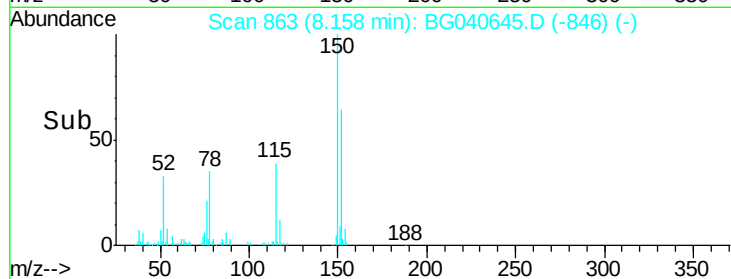
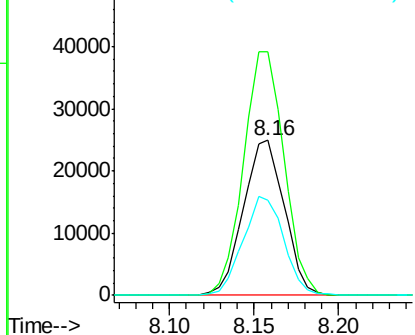
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	120.2	180.2
115	61.7	46.2	69.2



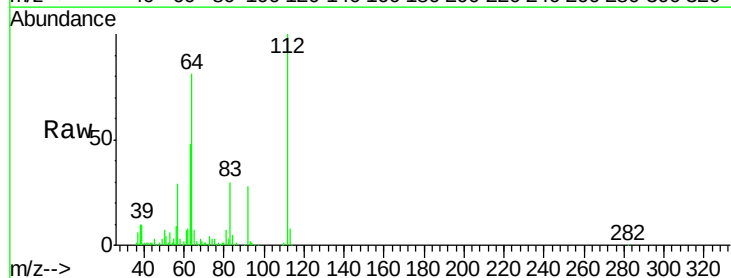
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



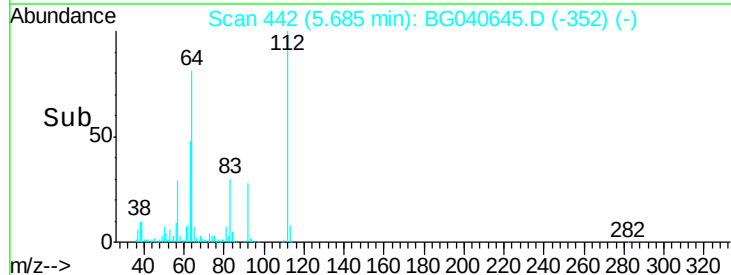
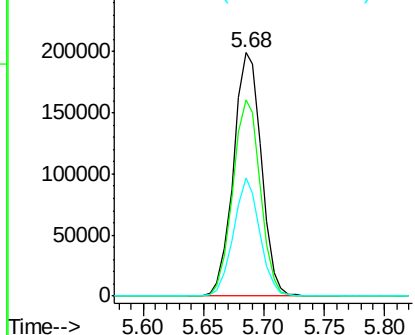
#5

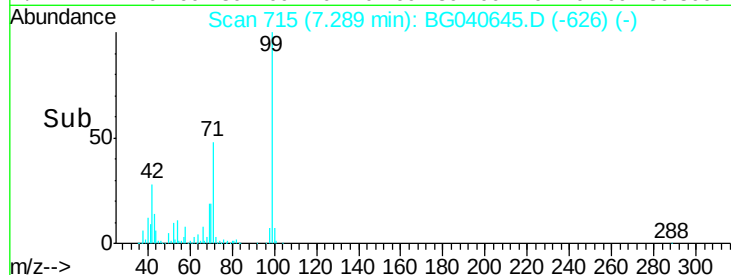
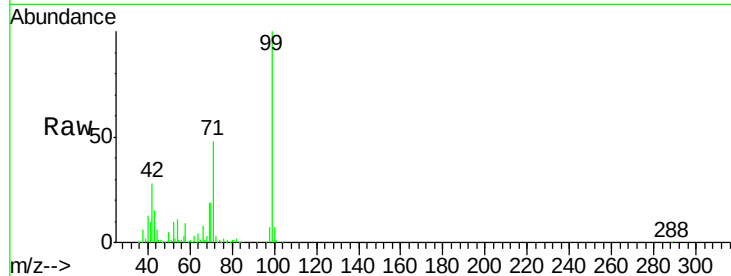
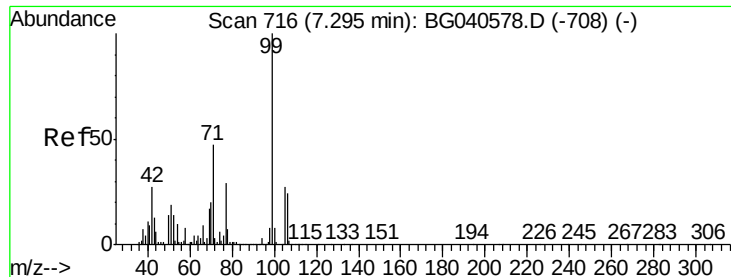
2-Fluorophenol
Concen: 133.919 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.8	61.4	92.0
63	48.3	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: 112.062 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

Instrument :

BNA_G

ClientSampleId :

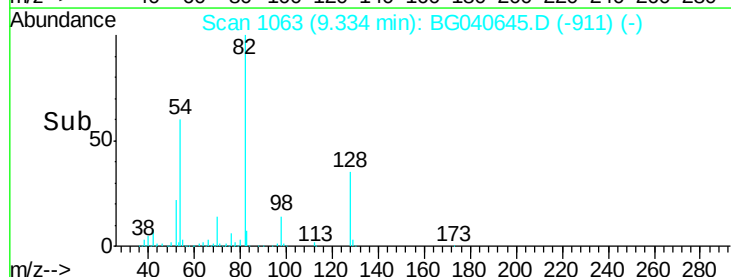
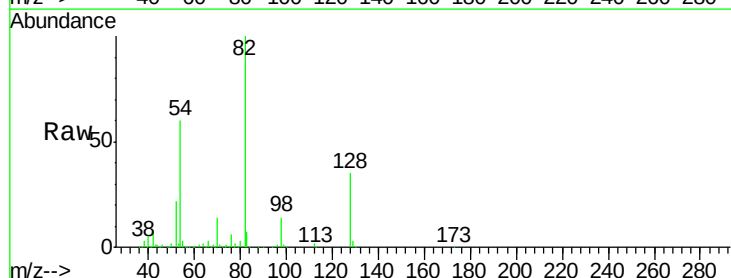
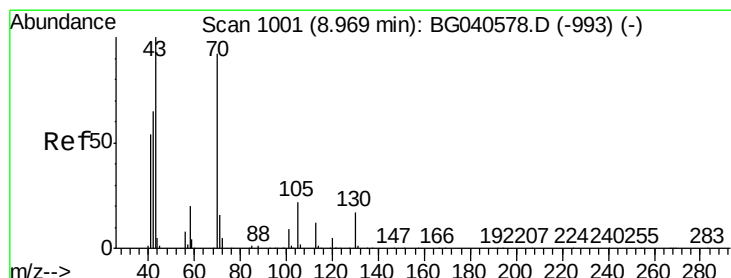
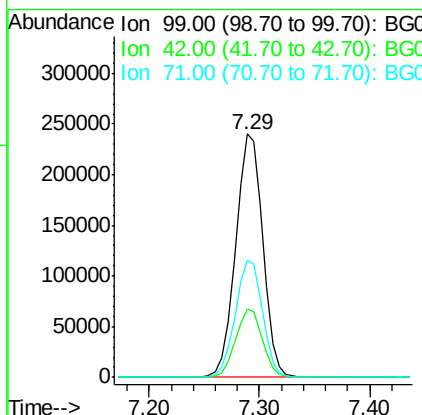
Tot Ion: 99 Resp: 412945

Ion Ratio Lower Upper

99 100

42 27.8 21.8 32.8

71 47.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.448 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

Tgt Ion: 70 Resp: 57879

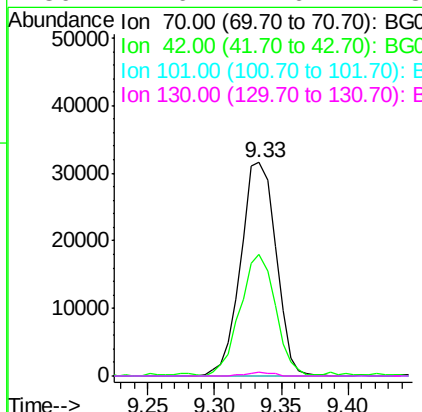
Ion Ratio Lower Upper

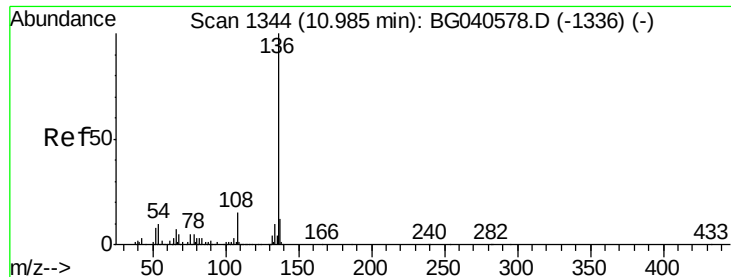
70 100

42 56.8 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 14.6 21.8#

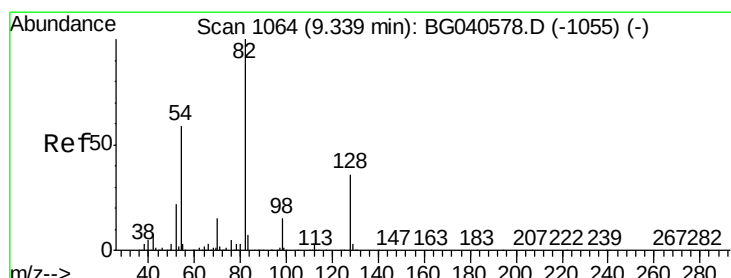
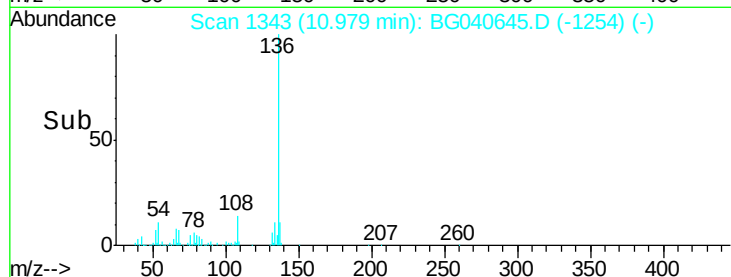
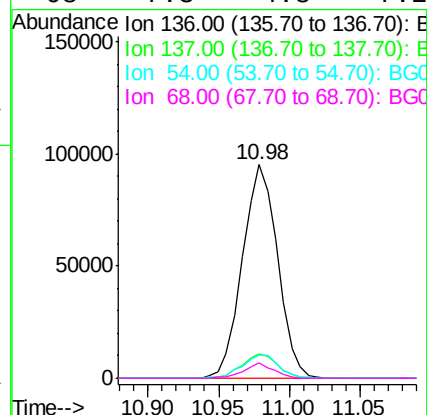
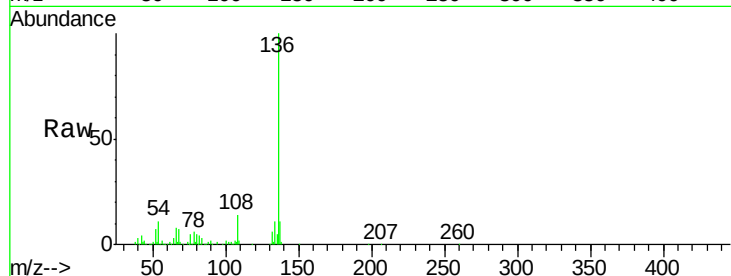




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

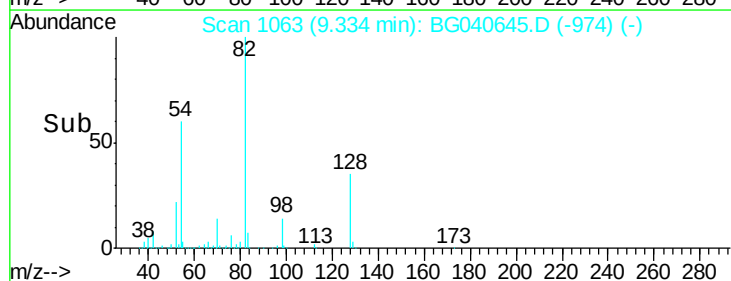
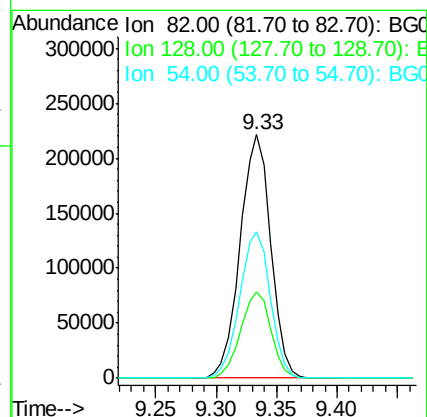
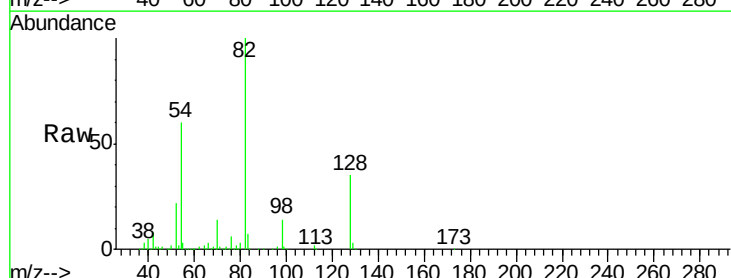
Instrument :
BNA_G
ClientSampled :

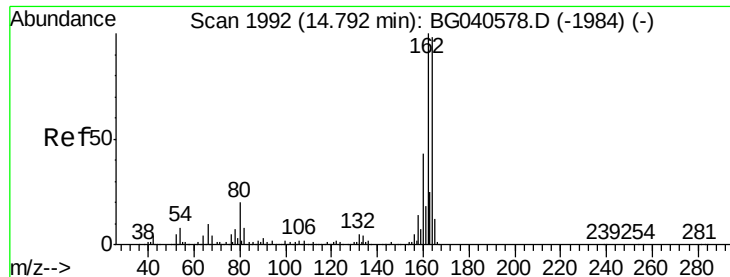
Tot Ion:136	Resp:	165997
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.7 14.5
54	11.1	8.6 12.8
68	7.3	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 108.992 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

Tgt Ion: 82	Resp:	391555
Ion Ratio	Lower	Upper
82	100	
128	35.3	28.9 43.3
54	60.0	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

Instrument :

BNA_G

ClientSampled :

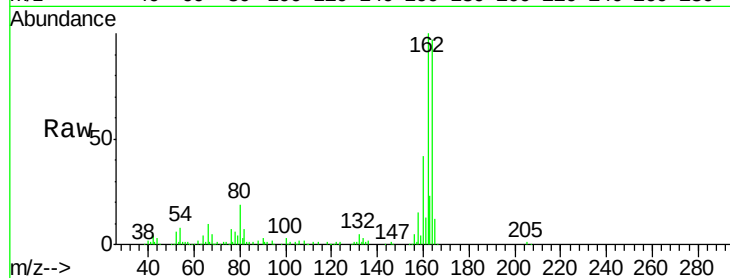
Tot Ion:164 Resp: 123045

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

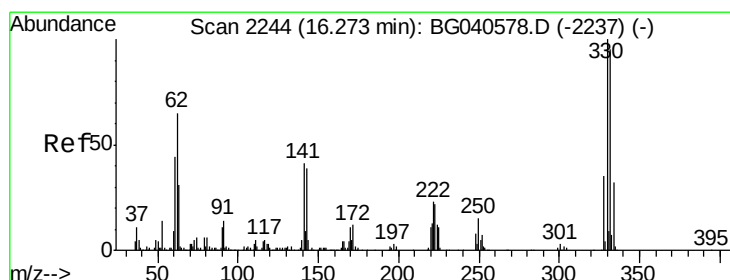
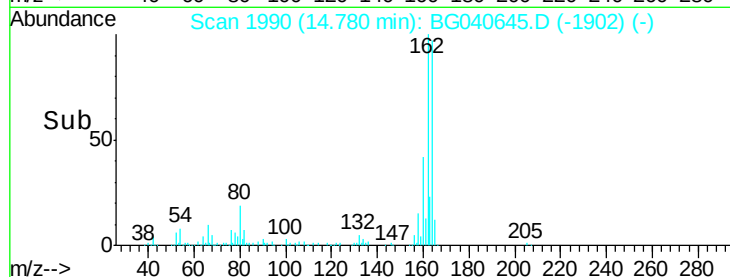
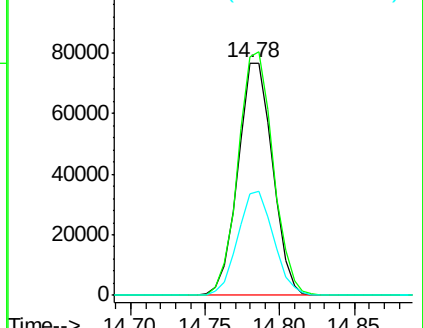
160 43.5 35.4 53.2



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: 162.217 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

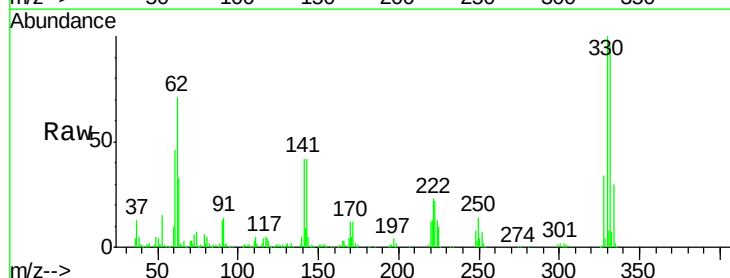
Tgt Ion:330 Resp: 274355

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

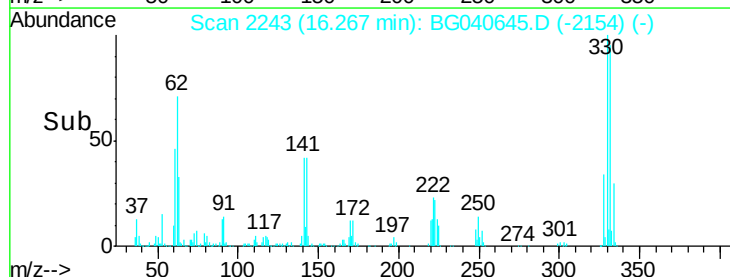
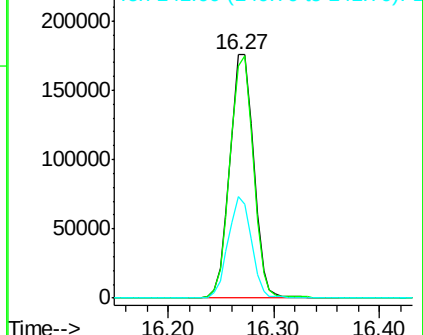
141 41.0 32.4 48.6

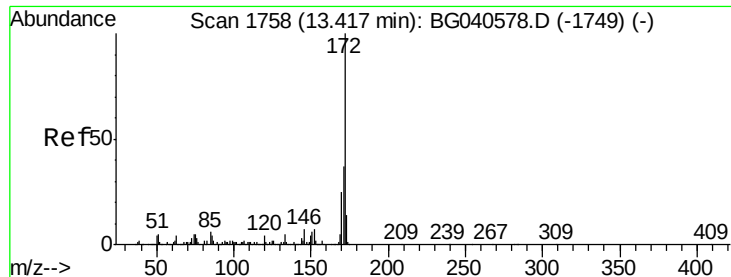


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

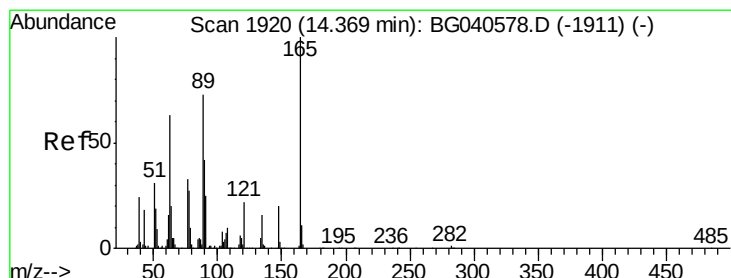
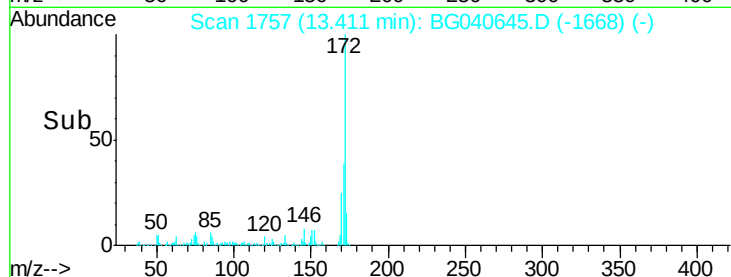
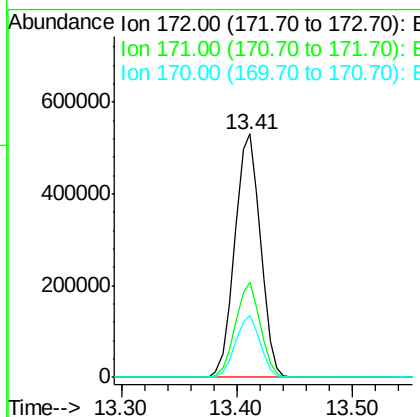
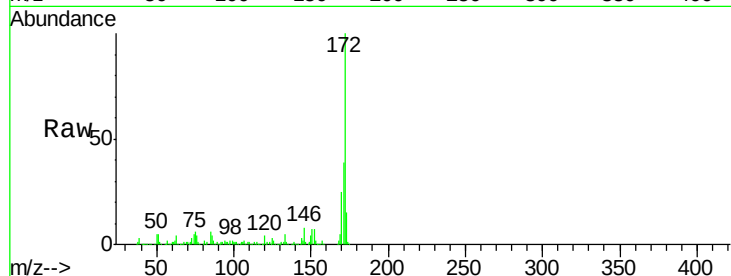




#45
 2-Fluorobiphenyl
 Concen: 95.481 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040645.D
 Acq: 27 Apr 2019 2:17

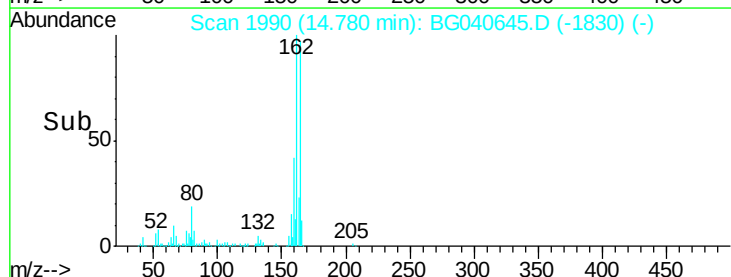
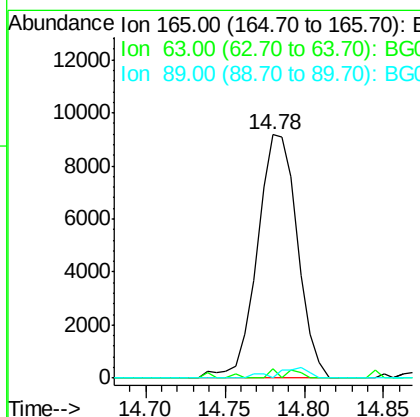
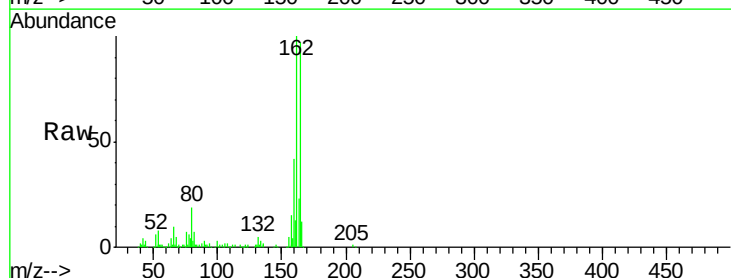
Instrument :
 BNA_G
 ClientSampleId :

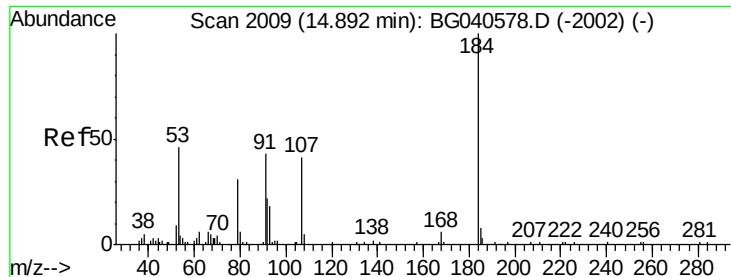
Tot Ion	Ion	Ratio	Lower	Upper
172	172	100		
171	171	39.3	29.4	44.2
170	170	25.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.019 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG040645.D
 Acq: 27 Apr 2019 2:17

Tgt Ion	Ion	Ratio	Lower	Upper
165	165	100		
63	63	4.0	61.0	91.4#
89	89	0.0	58.6	87.8#

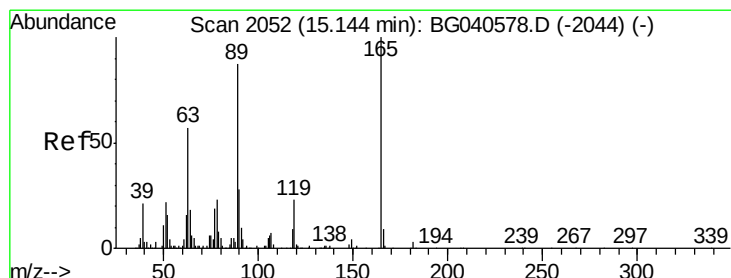
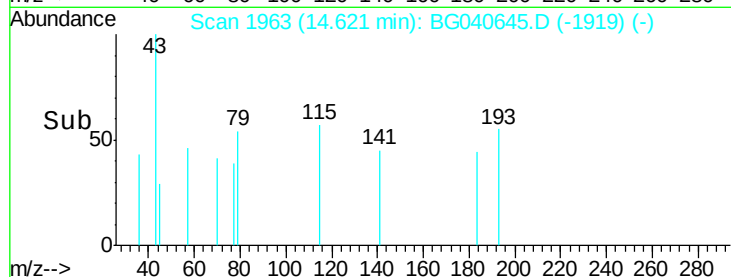
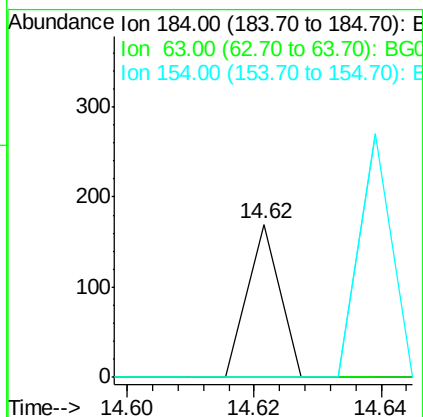
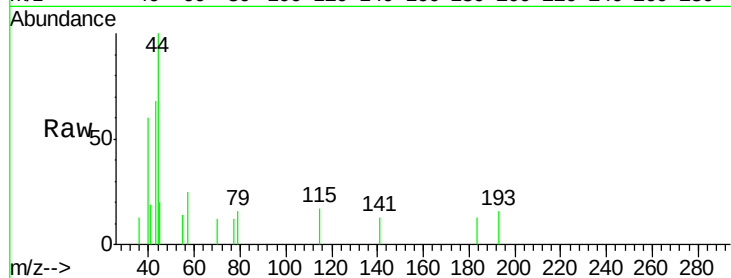




#54
2,4-Dinitrophenol
Concen: 7.063 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.27 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

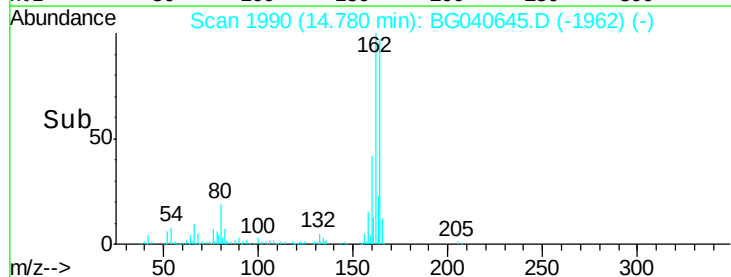
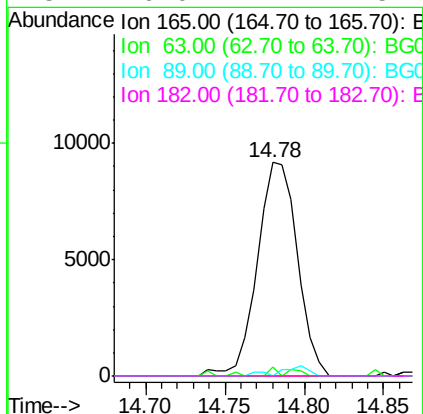
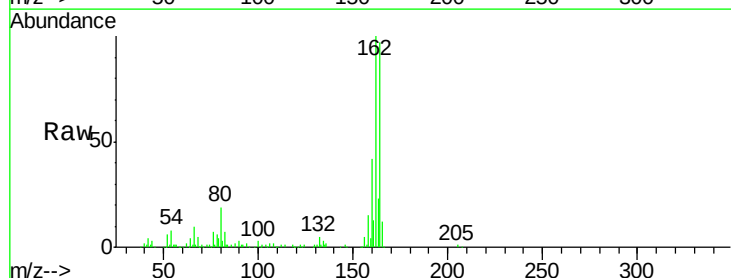
Instrument :
BNA_G
ClientSampled :

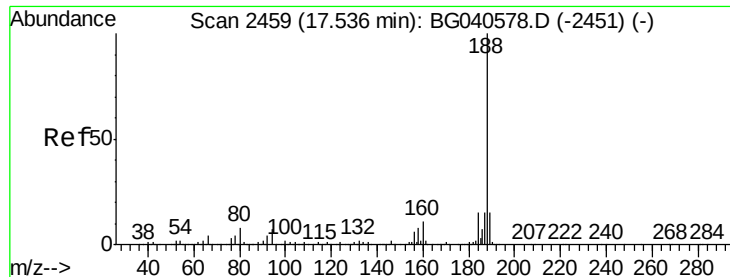
Tot Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.902 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.36 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

Tgt Ion:165 Resp: 16113
Ion Ratio Lower Upper
165 100
63 4.0 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

Instrument :

BNA_G

ClientSampleId :

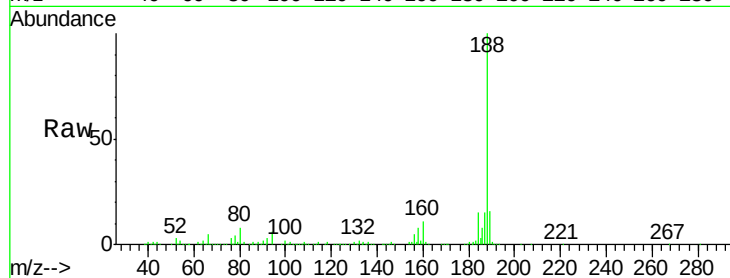
Tot Ion:188 Resp: 332171

Ion Ratio Lower Upper

188 100

94 5.7 5.6 8.4

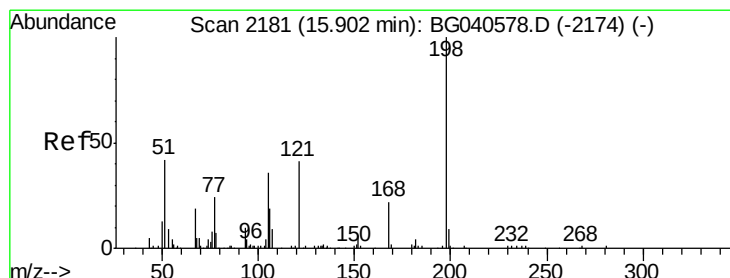
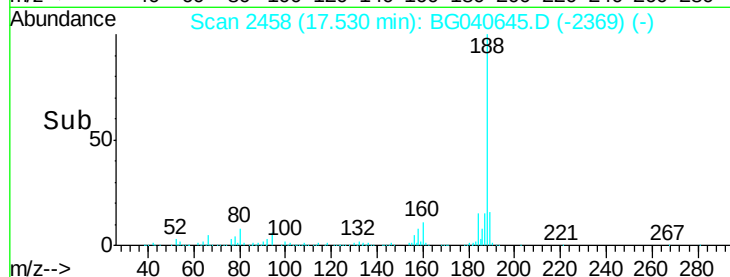
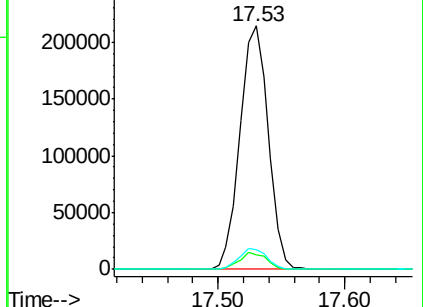
80 7.8 6.4 9.6



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: 7.660 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

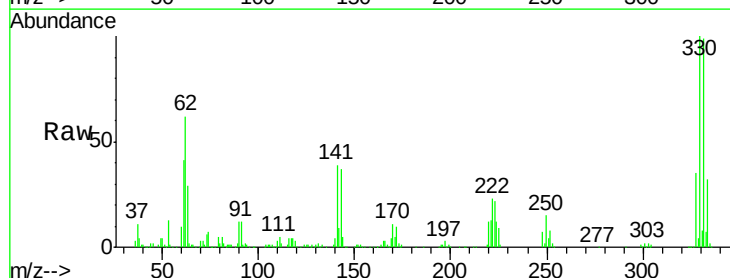
Tgt Ion:198 Resp: 1073

Ion Ratio Lower Upper

198 100

51 32.8 35.9 75.9#

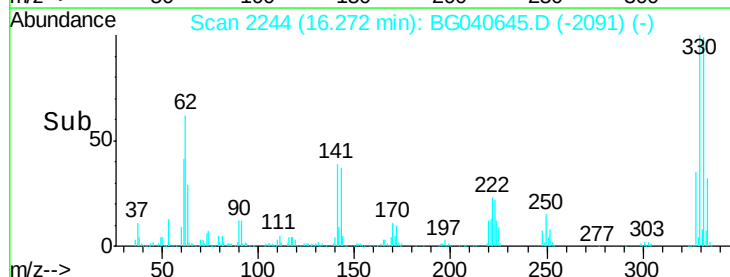
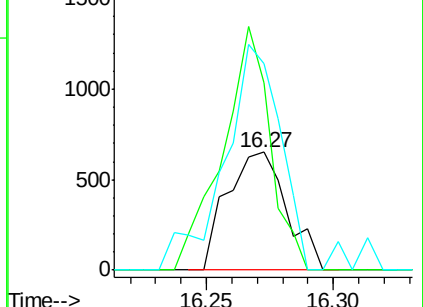
105 36.1 21.2 61.2

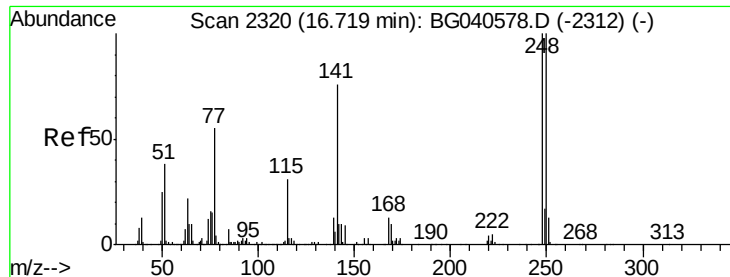


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

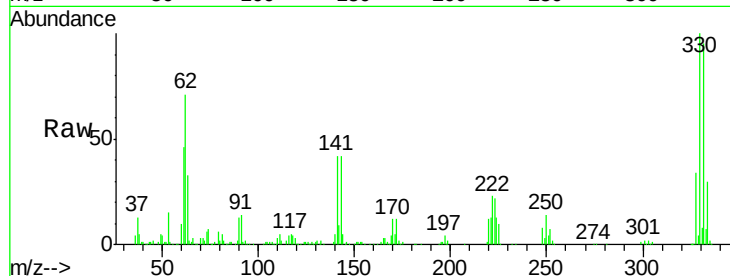




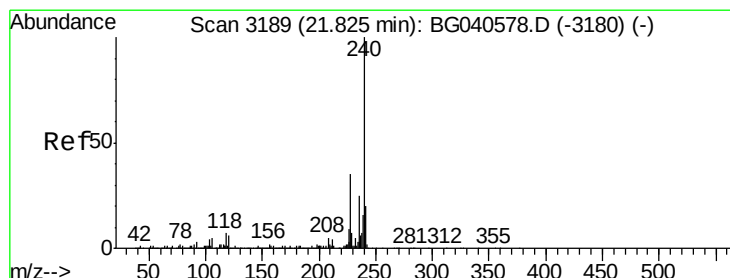
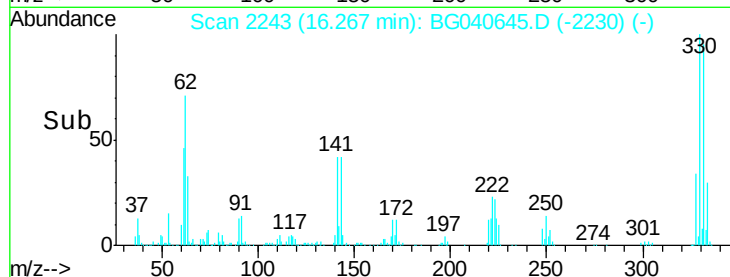
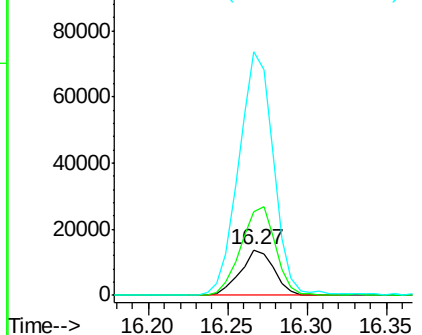
#67
 4-Bromophenyl-phenylether
 Concen: 4.915 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040645.D
 Acq: 27 Apr 2019 2:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	238.7	79.8	119.6#
141	530.9	60.8	91.2#

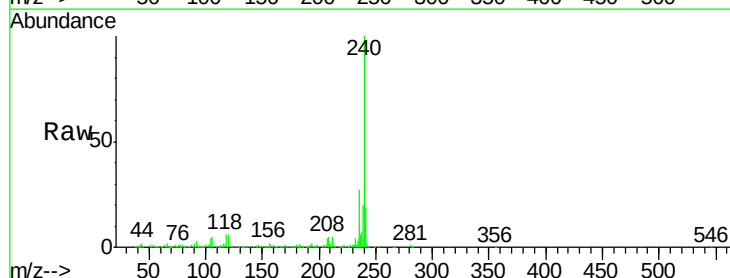


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

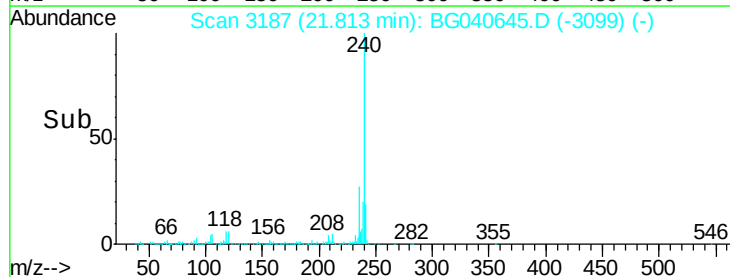
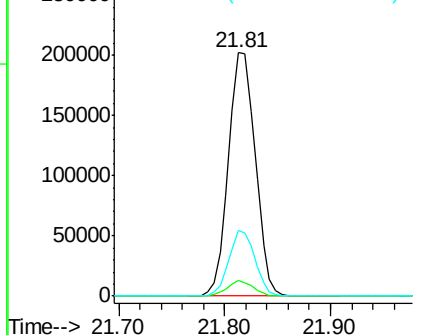


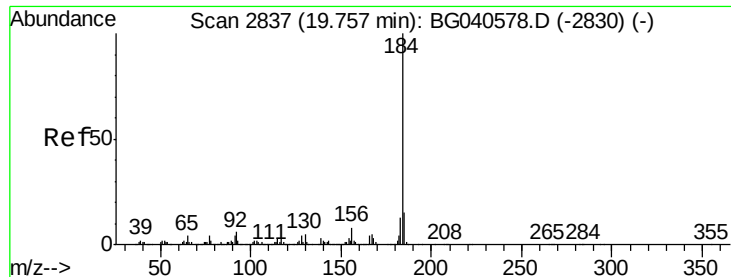
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.01 min
 Lab File: BG040645.D
 Acq: 27 Apr 2019 2:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.0	7.6
236	26.8	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: 3.527 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

Instrument :

BNA_G

ClientSampleId :

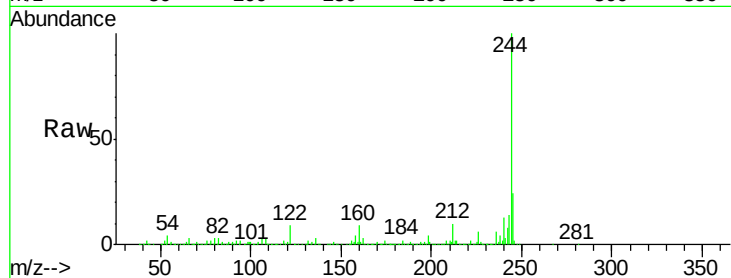
Tot Ion:184 Resp: 34308

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

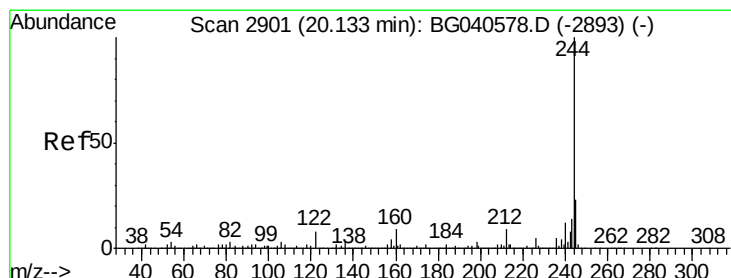
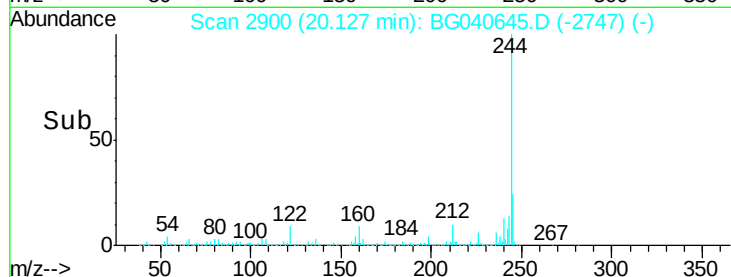
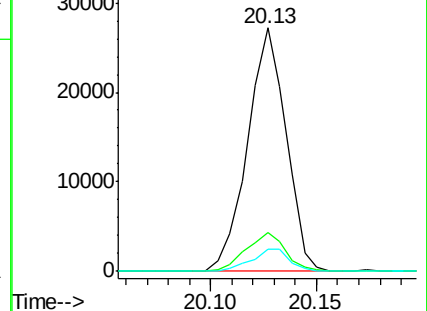
183 8.9 10.2 15.2#



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: 106.056 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040645.D

Acq: 27 Apr 2019 2:17

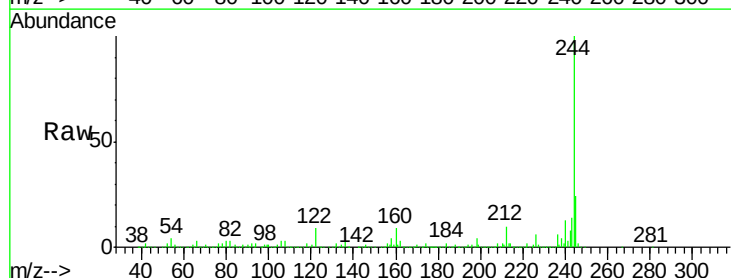
Tgt Ion:244 Resp: 1700853

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

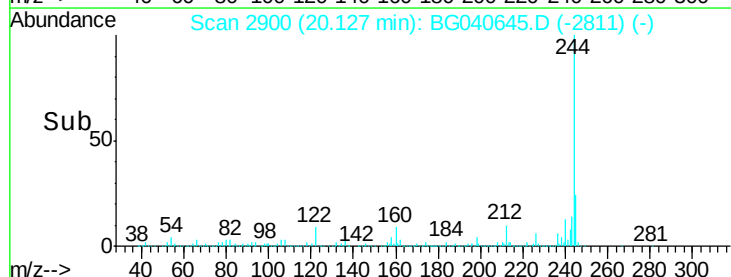
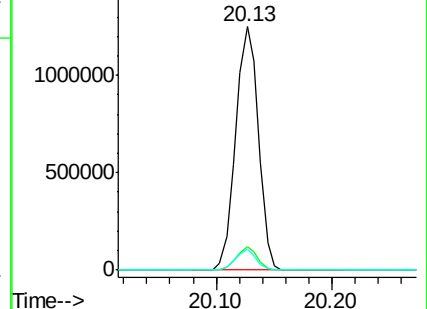
122 8.8 6.6 10.0

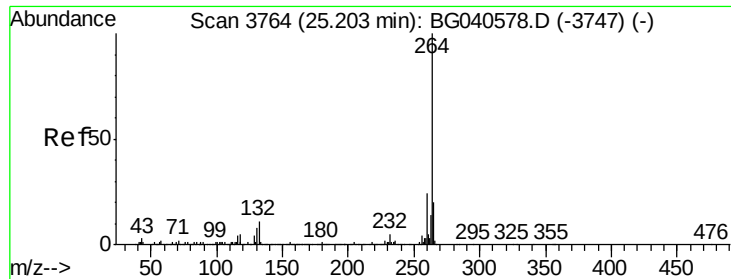


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

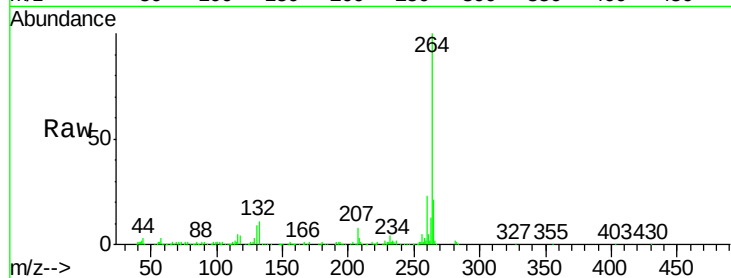




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG040645.D
Acq: 27 Apr 2019 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.3	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

