

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040795.D
 Acq On : 8 May 2019 19:39
 Operator : HP/JU
 Sample : K2647-02RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-050219-A

Quant Time: May 09 04:59:08 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

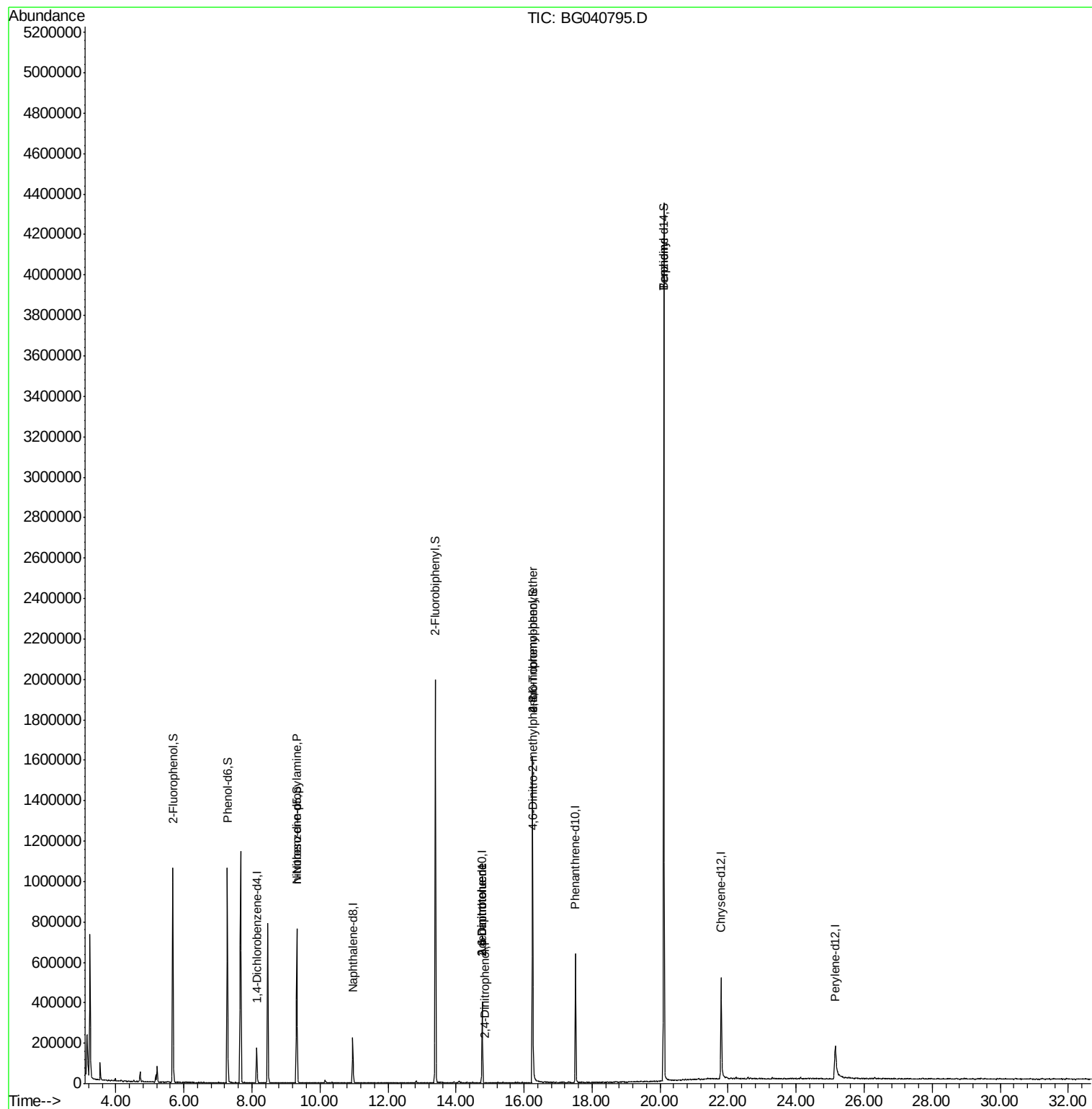
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	46858	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	173491	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	136656	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	383494	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	375723	20.00	ng	-0.03
87) Perylene-d12	25.15	264	259196	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	389905	146.68	ng	0.00
7) Phenol-d6	7.28	99	536713	131.13	ng	-0.02
23) Nitrobenzene-d5	9.32	82	448942	119.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	306894	163.38	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1013480	107.11	ng	-0.02
79) Terphenyl-d14	20.11	244	2029462	119.67	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.27	77	1363	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	65415	17.755	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	17552	7.866	ng	# 15
54) 2,4-Dinitrophenol	14.86	184	60	7.058	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	17552	5.788	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.27	198	1294	7.685	ng	# 76
67) 4-Bromophenyl-phenylether	16.26	248	22234	4.654	ng	# 1
77) Benzydine	20.11	184	36147	3.514	ng	# 92

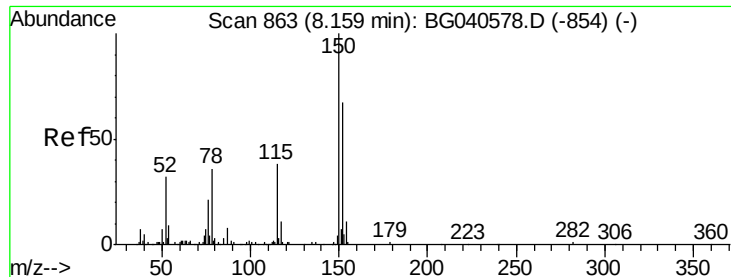
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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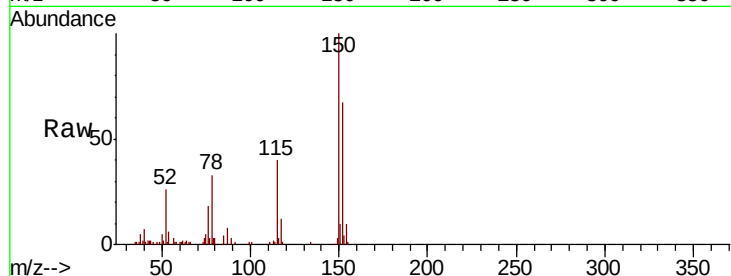


#1

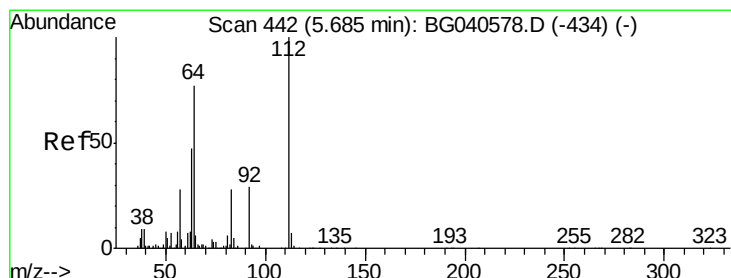
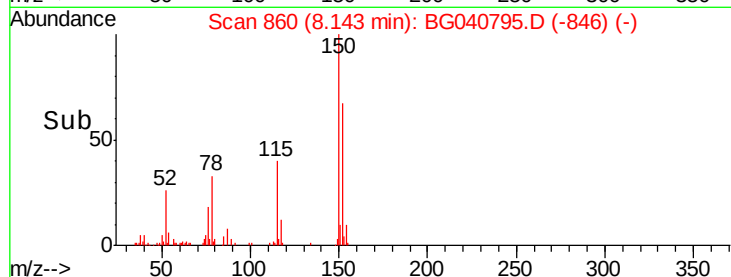
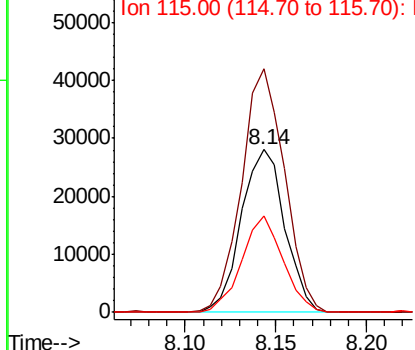
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-050219-A

Tgt Ion:152 Resp: 46858
 Ion Ratio Lower Upper
 152 100
 150 149.6 120.2 180.2
 115 59.5 46.2 69.2



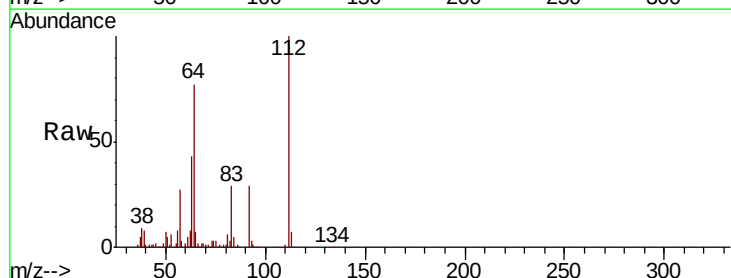
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



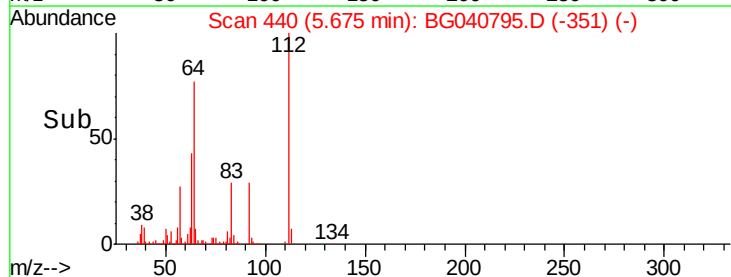
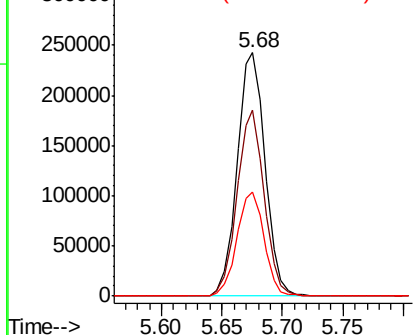
#5

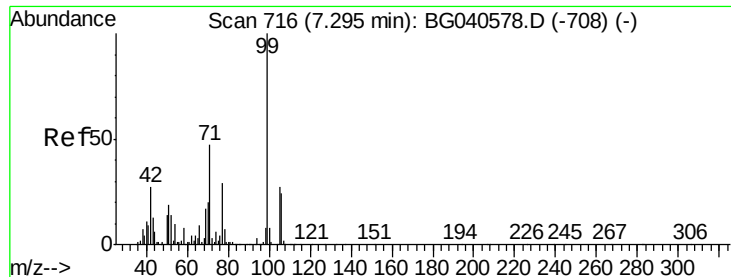
2-Fluorophenol
 Concen: 146.680 ng
 RT: 5.68 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Tgt Ion:112 Resp: 389905
 Ion Ratio Lower Upper
 112 100
 64 76.6 61.4 92.0
 63 42.9 37.8 56.6



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: 131.133 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-A

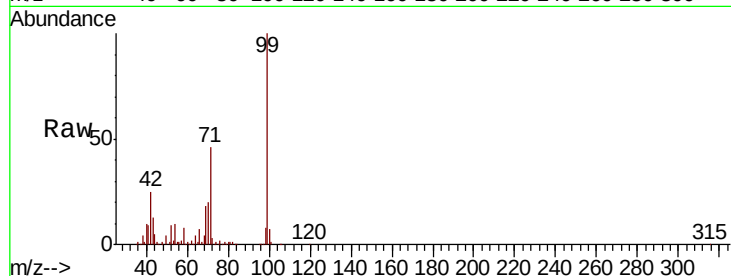
Tgt Ion: 99 Resp: 536713

Ion Ratio Lower Upper

99 100

42 25.3 21.8 32.8

71 45.5 38.6 57.8

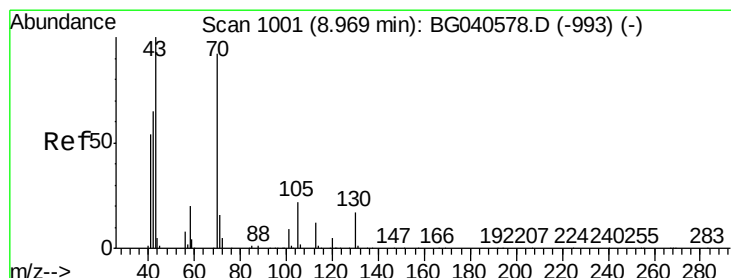
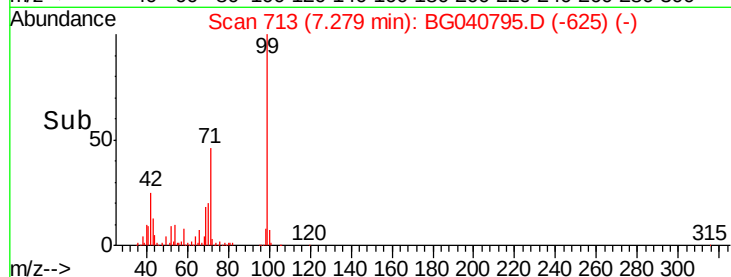
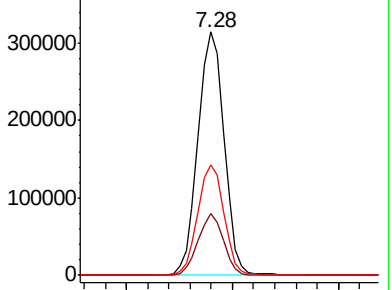


Abundance

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: 17.755 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

Tgt Ion: 70 Resp: 65415

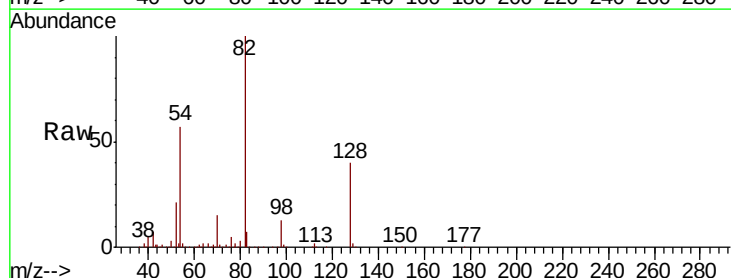
Ion Ratio Lower Upper

70 100

42 48.6 57.1 85.7#

101 0.0 7.8 11.8#

130 2.8 14.6 21.8#



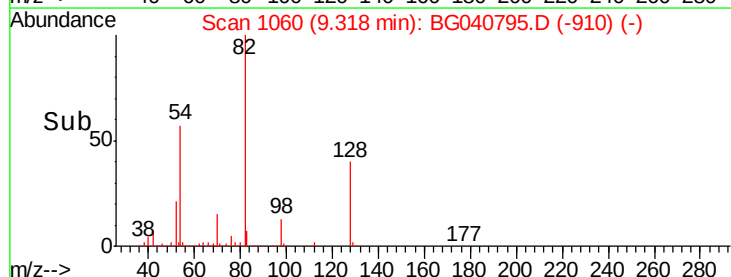
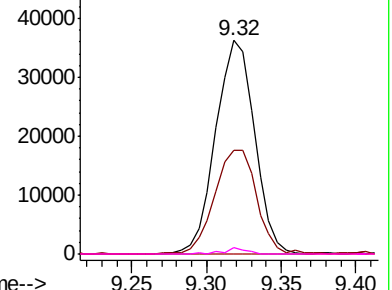
Abundance

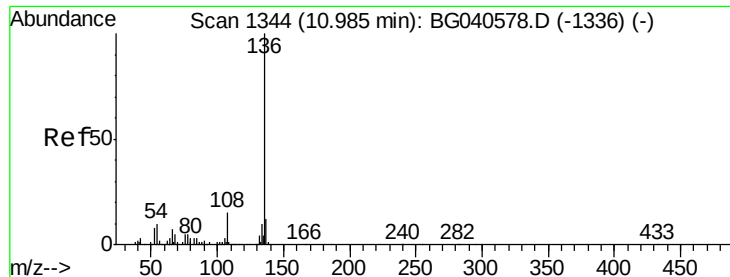
Ion 70.00 (69.70 to 70.70): BGC

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

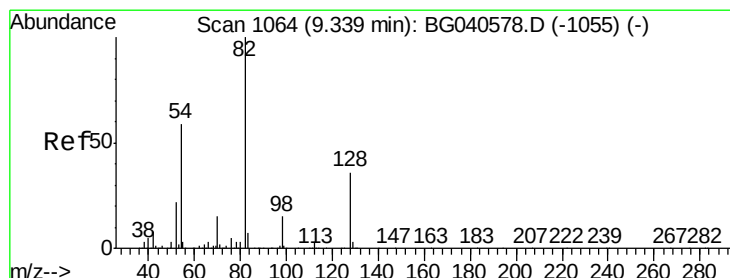
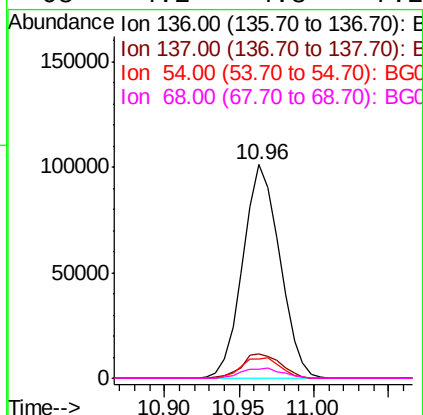
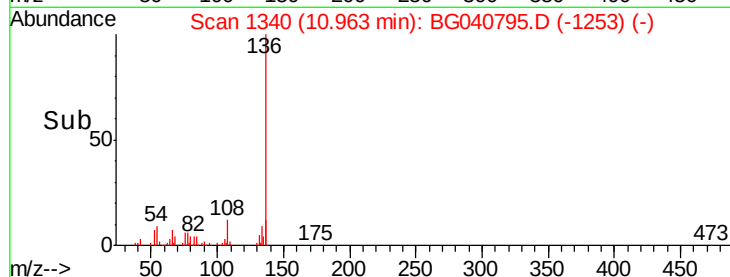
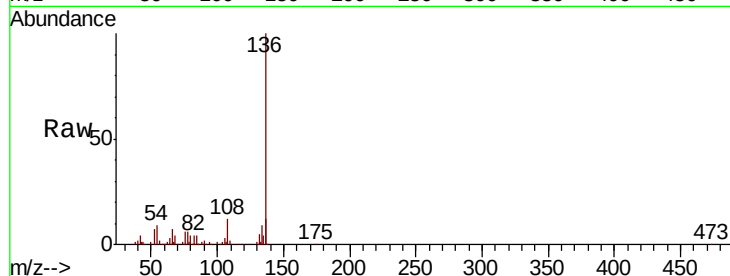




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040795.D
Acq: 8 May 2019 19:39

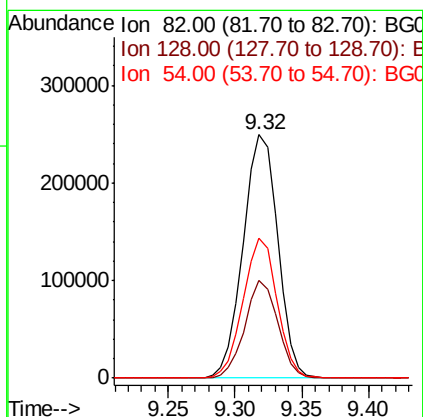
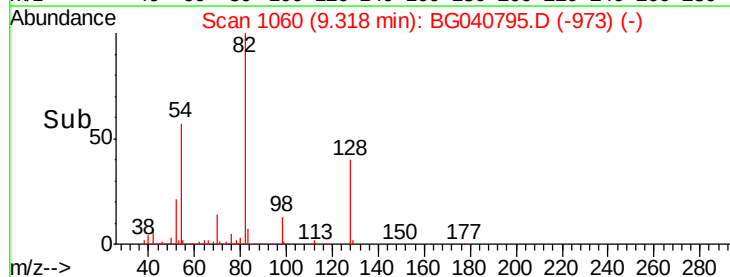
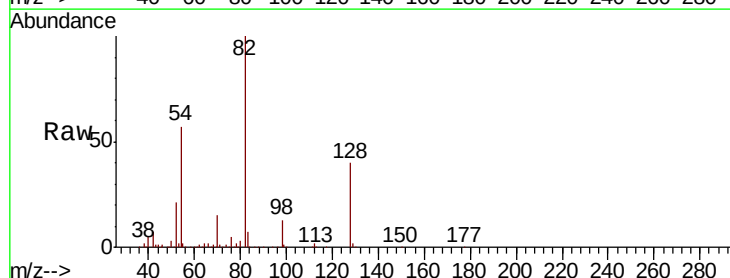
Instrument :
BNA_G
ClientSampleId :
SU-04-050219-A

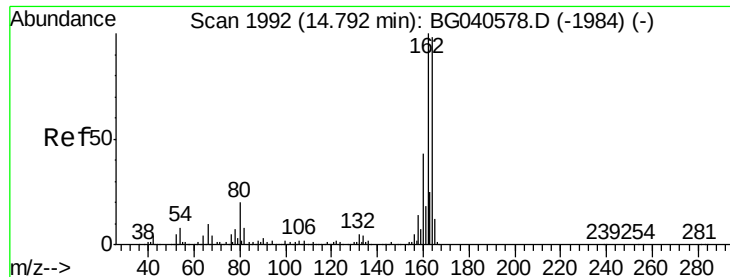
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.7	14.5
54	9.0	8.6	12.8
68	4.2	4.8	7.2



#23
Nitrobenzene-d5
Concen: 119.568 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040795.D
Acq: 8 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	28.9	43.3
54	57.4	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-A

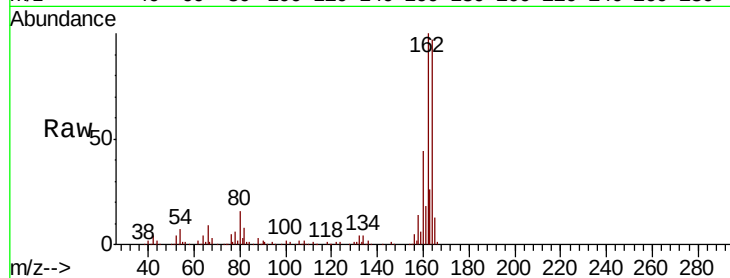
Tgt Ion:164 Resp: 136656

Ion Ratio Lower Upper

164 100

162 103.3 81.9 122.9

160 45.1 35.4 53.2

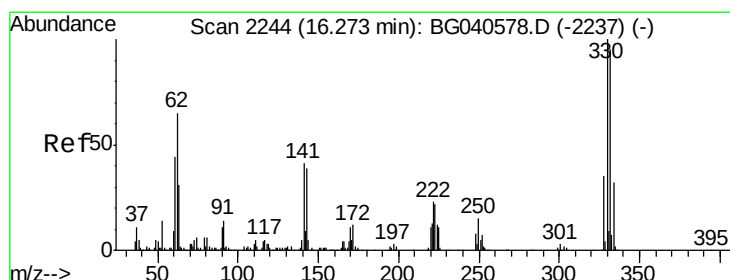
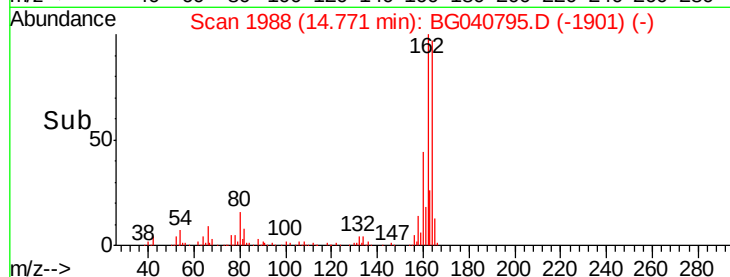
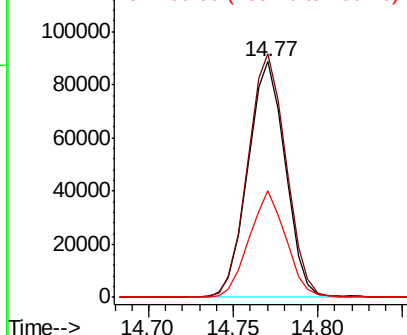


Abundance

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: 163.383 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

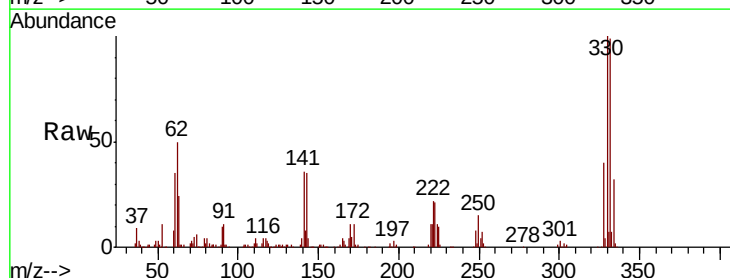
Tgt Ion:330 Resp: 306894

Ion Ratio Lower Upper

330 100

332 97.0 75.9 113.9

141 36.6 32.4 48.6

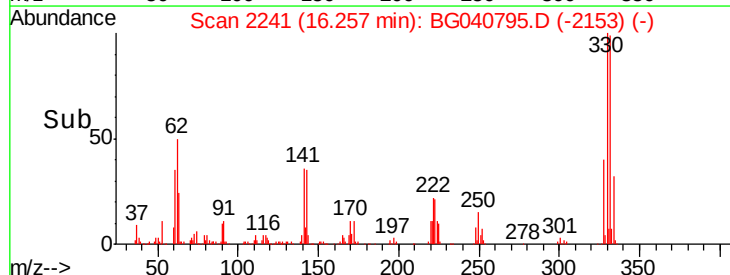
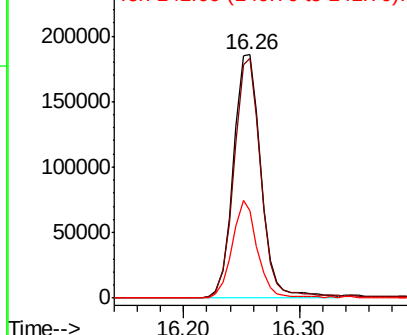


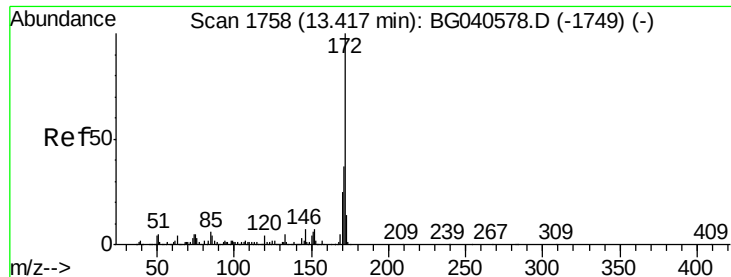
Abundance

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



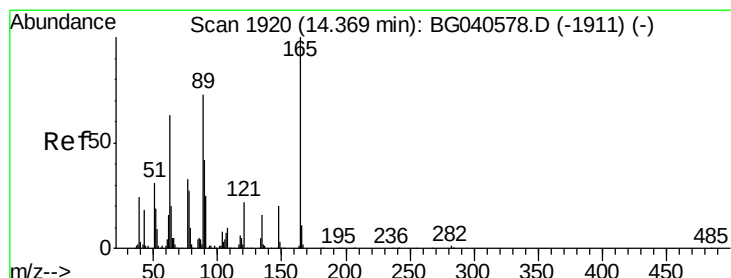
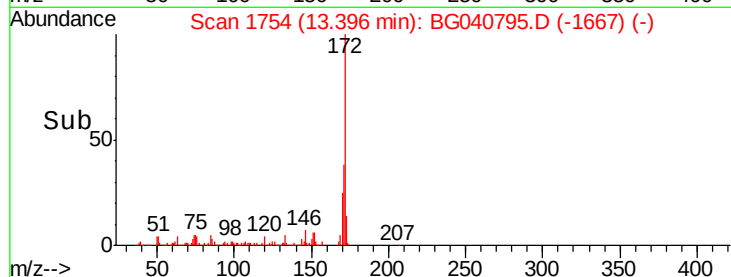
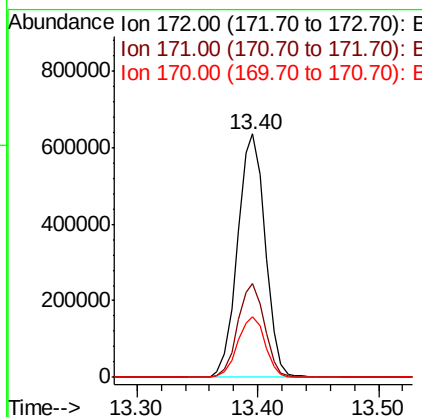
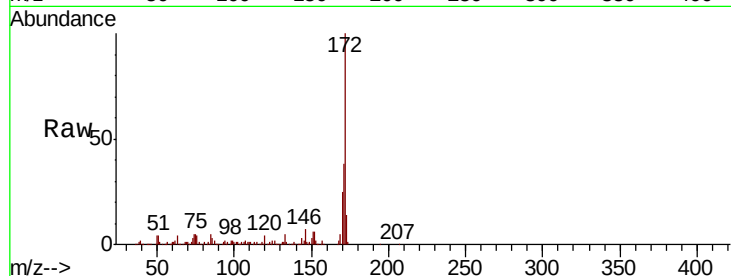


#45
 2-Fluorobiphenyl
 Concen: 107.106 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-050219-A

Tgt Ion:172 Resp: 1013480

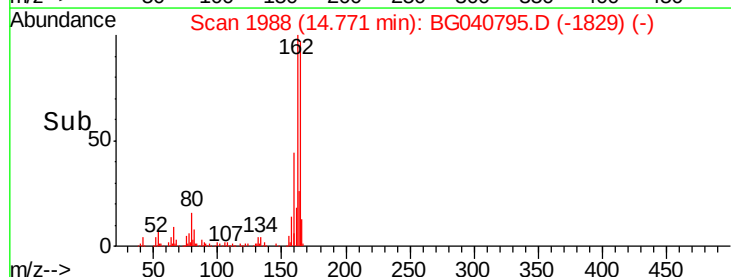
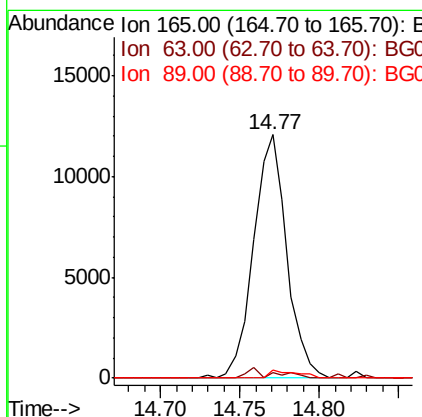
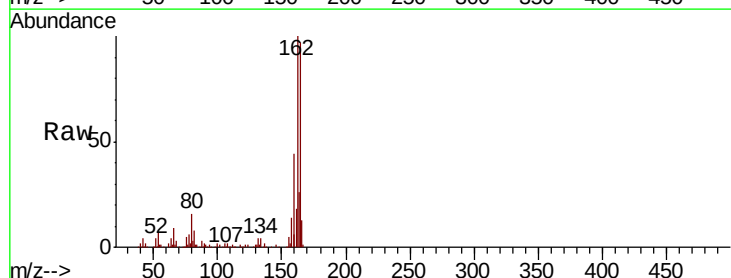
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	24.8	19.9	29.9

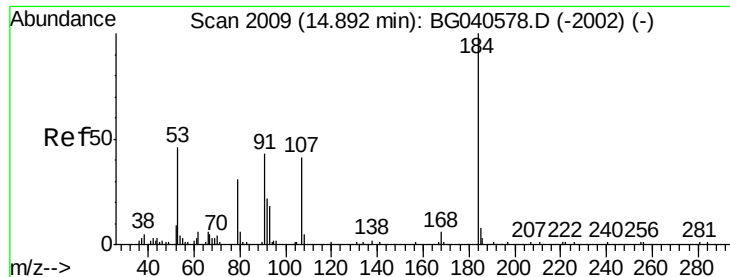


#51
 2,6-Dinitrotoluene
 Concen: 7.866 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Tgt Ion:165 Resp: 17552

Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	3.4	58.6	87.8#

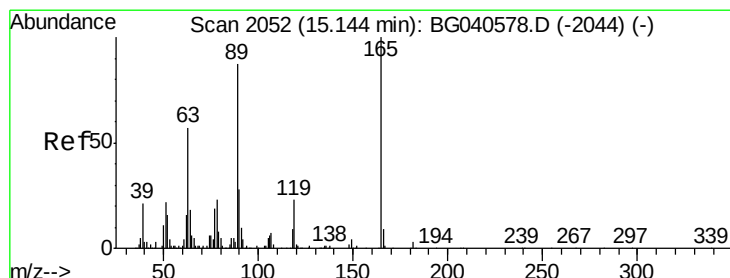
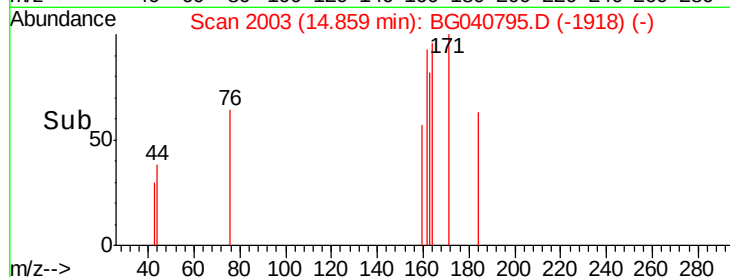
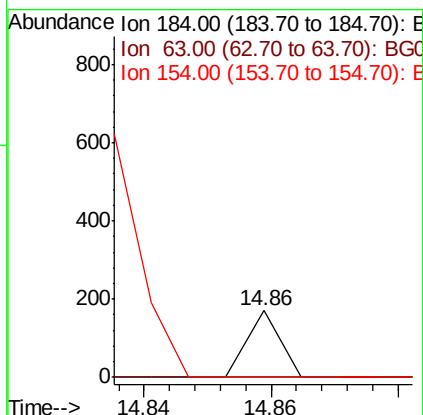
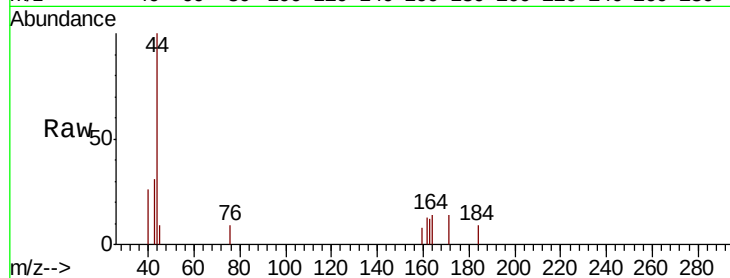




#54
2,4-Dinitrophenol
Concen: 7.058 ng
RT: 14.86 min Scan# 2003
Delta R.T. -0.03 min
Lab File: BG040795.D
Acq: 8 May 2019 19:39

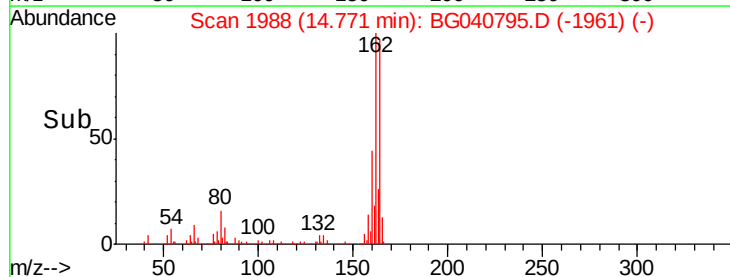
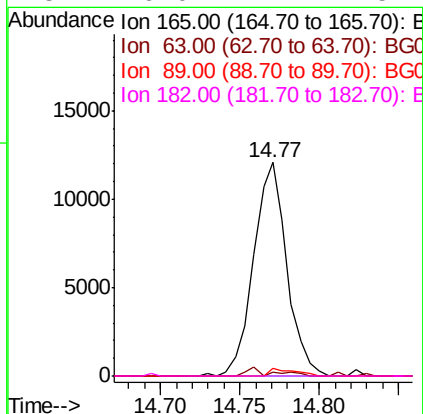
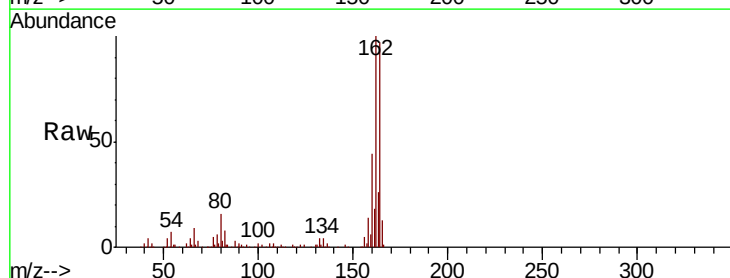
Instrument :
BNA_G
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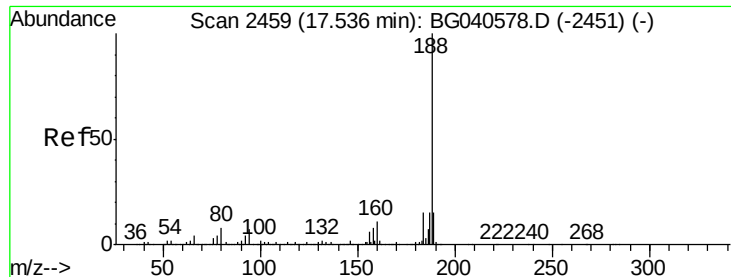
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040795.D
Acq: 8 May 2019 19:39

Tgt Ion:165 Resp: 17552
Ion Ratio Lower Upper
165 100
63 2.0 45.8 68.8#
89 3.4 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-A

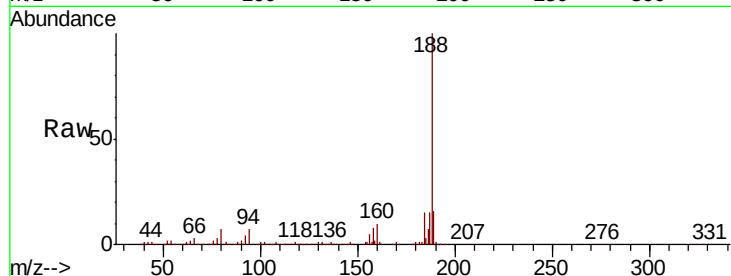
Tgt Ion:188 Resp: 383494

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

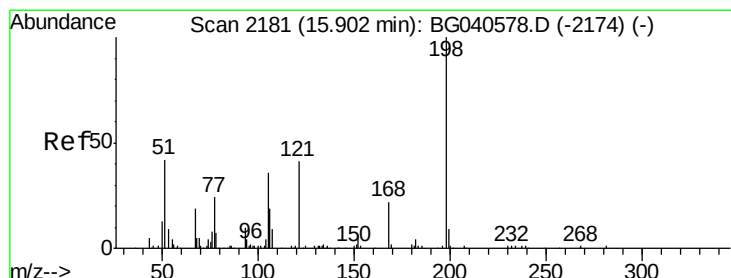
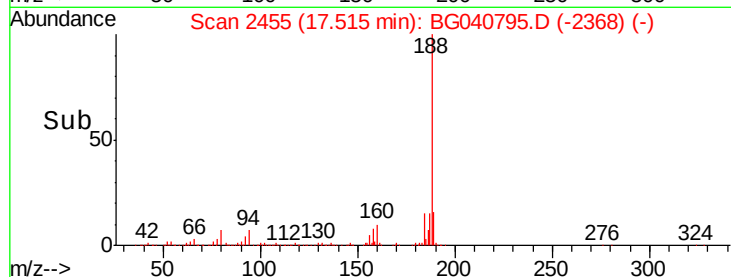
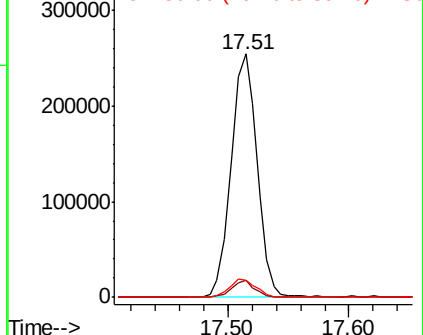
80 7.2 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 7.685 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

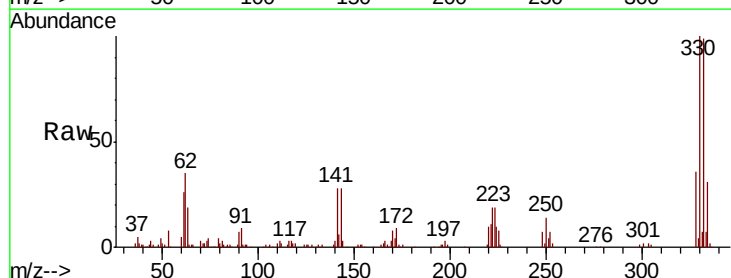
Tgt Ion:198 Resp: 1294

Ion Ratio Lower Upper

198 100

51 43.5 35.9 75.9

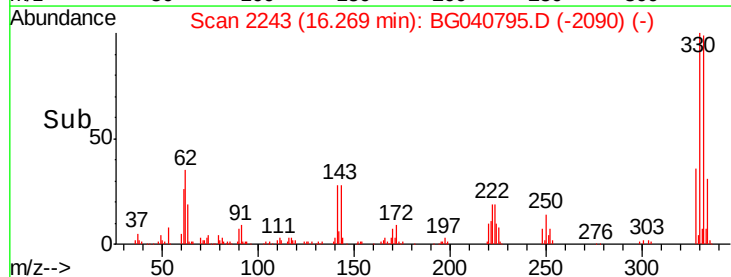
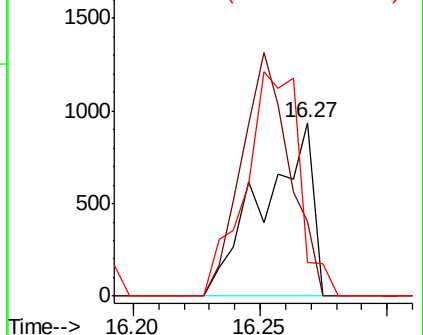
105 19.6 21.2 61.2#

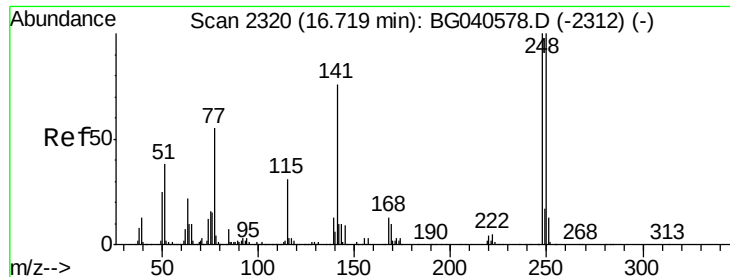


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

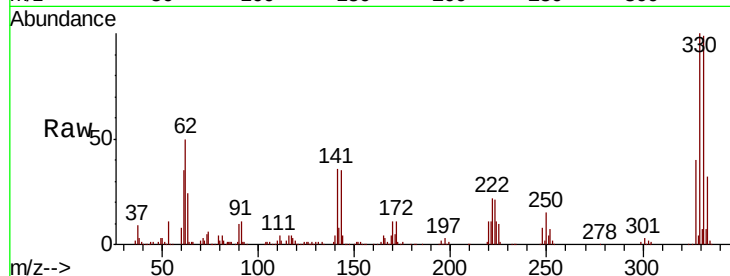




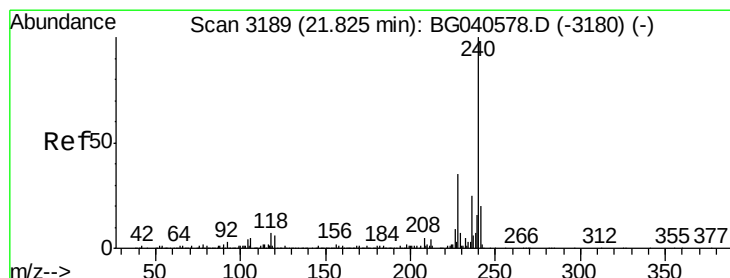
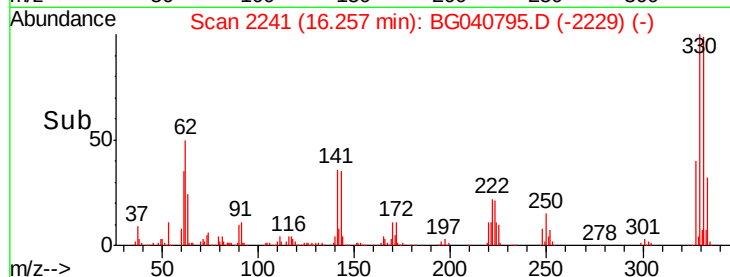
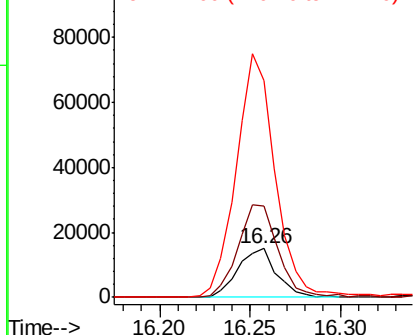
#67
 4-Bromophenyl-phenylether
 Concen: 4.654 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-050219-A

Tgt Ion:248 Resp: 22234
 Ion Ratio Lower Upper
 248 100
 250 144.3 79.8 119.6#
 141 343.8 60.8 91.2#

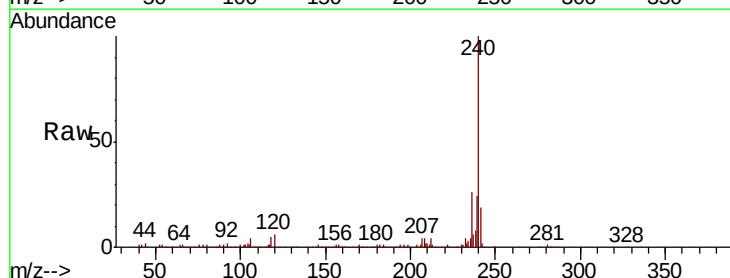


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

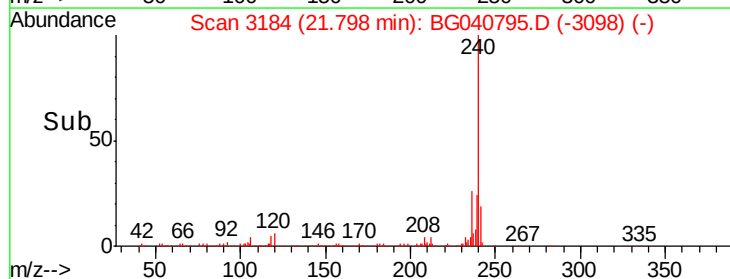
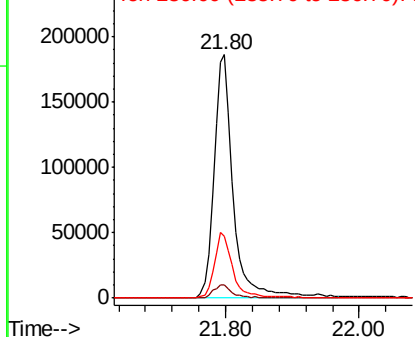


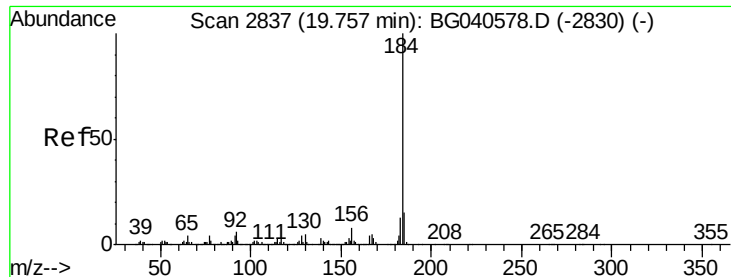
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040795.D
 Acq: 8 May 2019 19:39

Tgt Ion:240 Resp: 375723
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.6
 236 25.6 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: 3.514 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-A

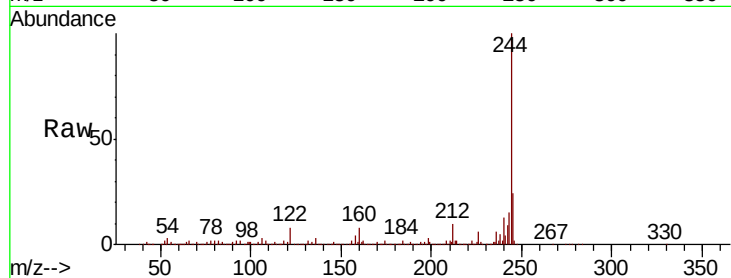
Tgt Ion:184 Resp: 36147

Ion Ratio Lower Upper

184 100

185 16.3 11.8 17.8

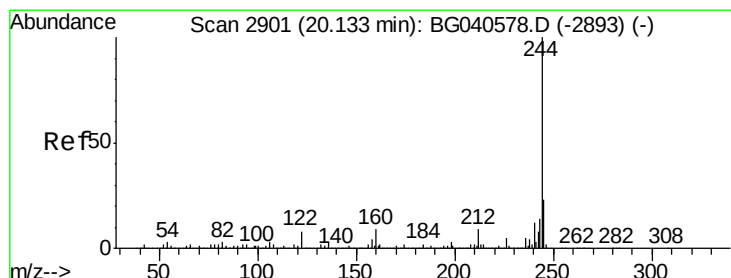
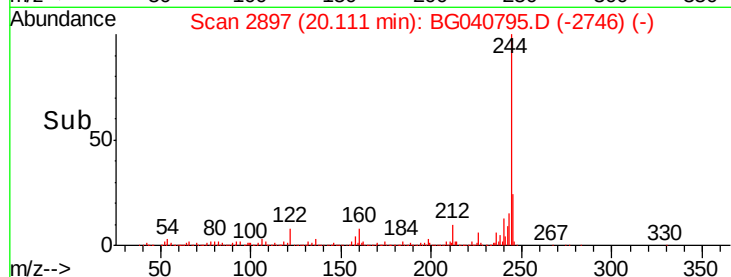
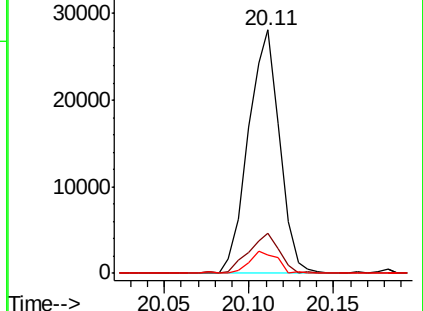
183 7.4 10.2 15.2#



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: 119.666 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040795.D

Acq: 8 May 2019 19:39

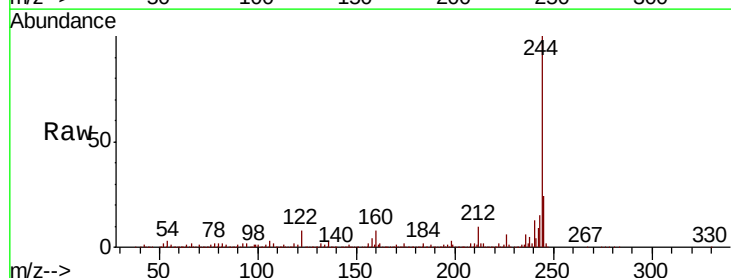
Tgt Ion:244 Resp: 2029462

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

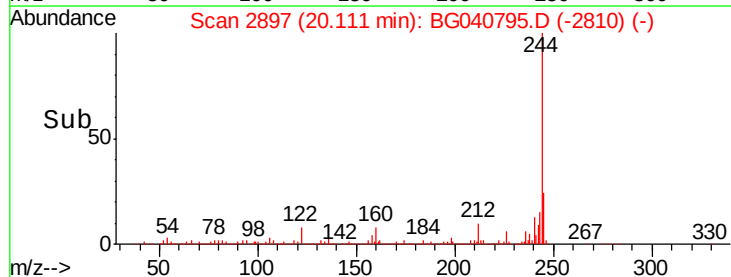
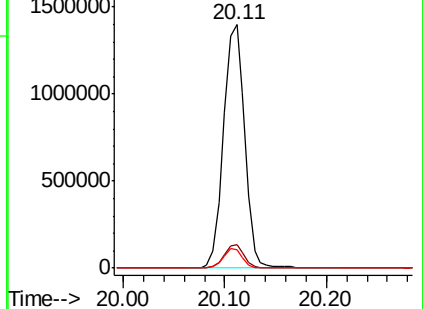
122 7.7 6.6 10.0

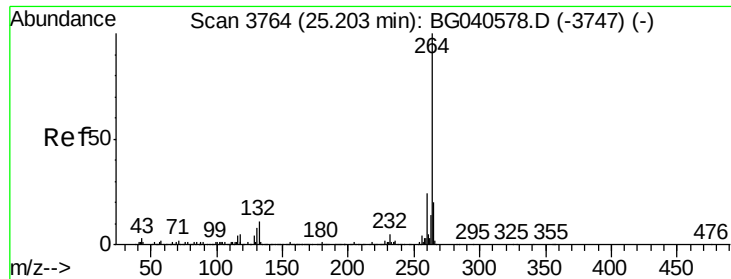


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040795.D
Acq: 8 May 2019 19:39

Instrument :
BNA_G
ClientSampleId :
SU-04-050219-A

Tgt Ion:	264	Resp:	259196
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.2	16.6	25.0

