

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040739.D
 Acq On : 4 May 2019 00:11
 Operator : JU/SJ
 Sample : K2668-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: May 05 23:11:00 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

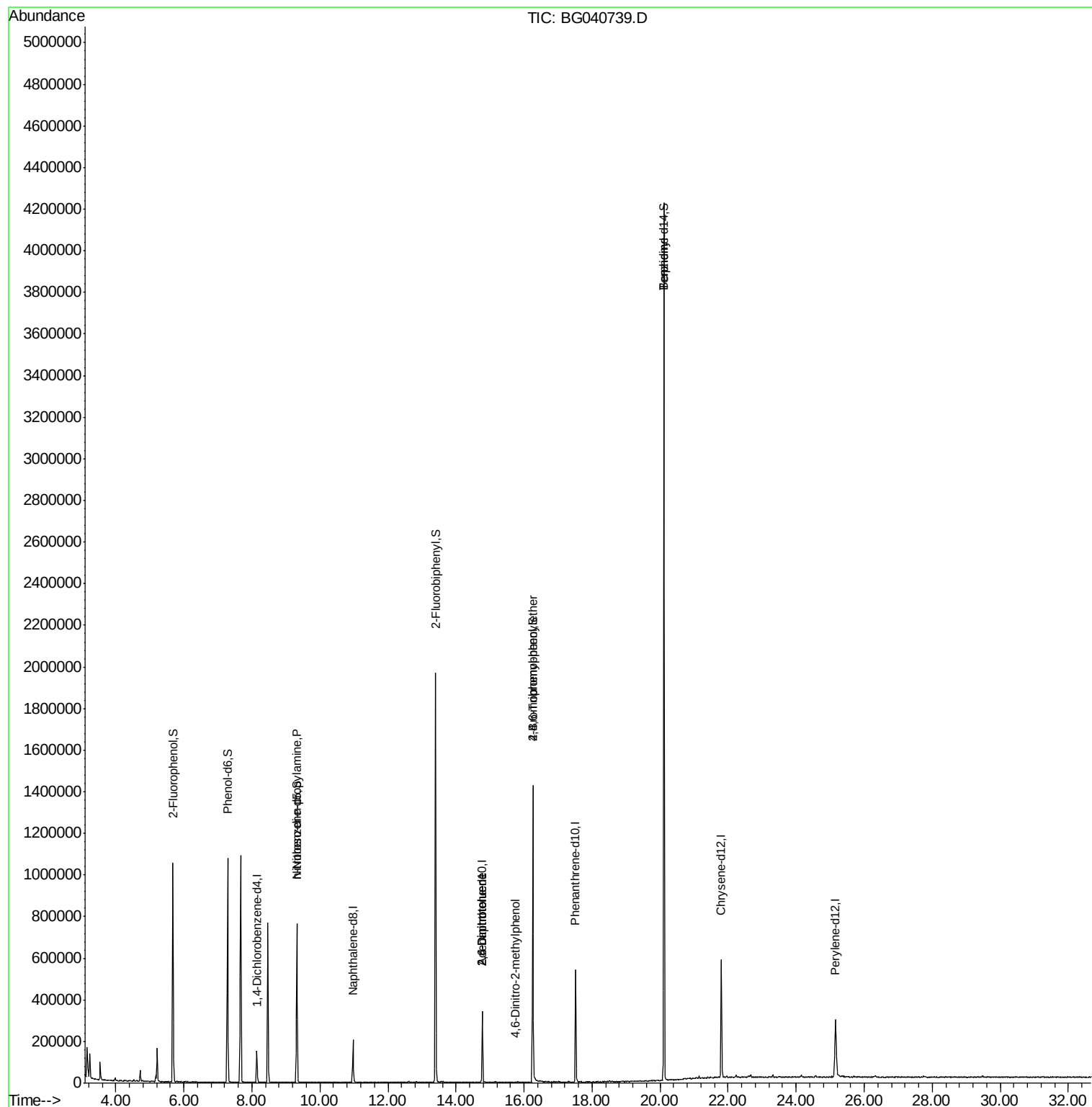
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	39240	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	156805	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	116266	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	338164	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	347817	20.00	ng	-0.03
87) Perylene-d12	25.16	264	347236	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	384039	172.52	ng	0.00
7) Phenol-d6	7.29	99	538352	157.07	ng	0.00
23) Nitrobenzene-d5	9.32	82	436489	128.62	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	266566	166.80	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	985768	122.45	ng	-0.02
79) Terphenyl-d14	20.11	244	1985056	126.44	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1467	Below Cal		Qvalue # 14
19) n-Nitroso-di-n-propylamine	9.32	70	62974	20.411 ng	#	75
51) 2,6-Dinitrotoluene	14.77	165	15491	8.159 ng	#	12
57) 2,4-Dinitrotoluene	14.77	165	15491	6.005 ng	#	14
65) 4,6-Dinitro-2-methylphenol	15.73	198	61	7.132 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	19106	4.535 ng	#	1
77) Benizidine	20.12	184	38463	4.039 ng		96

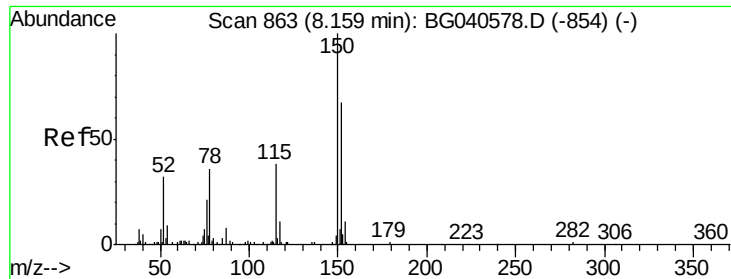
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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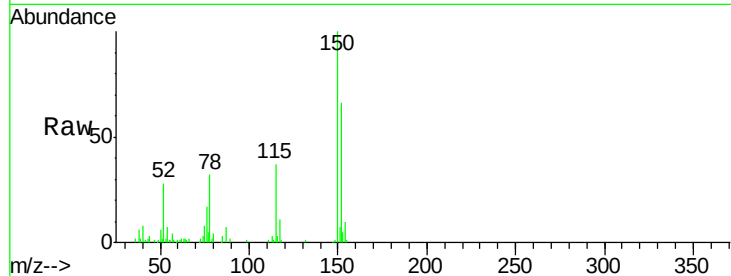


#1

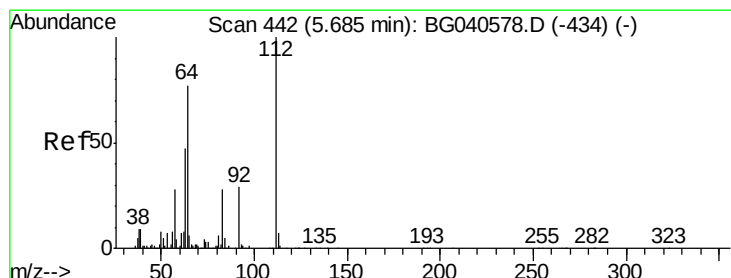
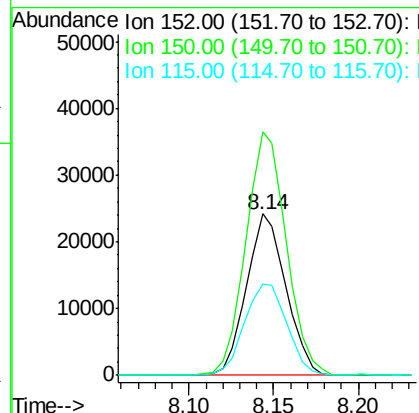
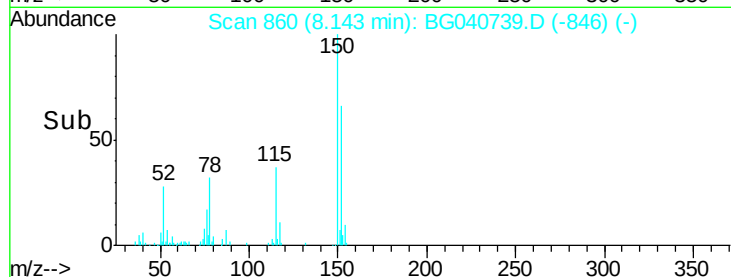
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Instrument :
BNA_G
ClientSampleId :
TP-2

Tot Ion:152 Resp: 39240
Ion Ratio Lower Upper
152 100
150 151.0 120.2 180.2
115 56.5 46.2 69.2



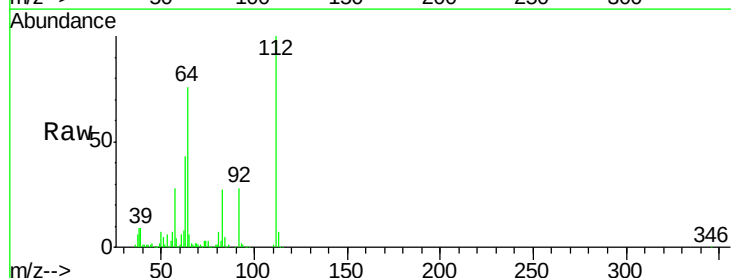
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



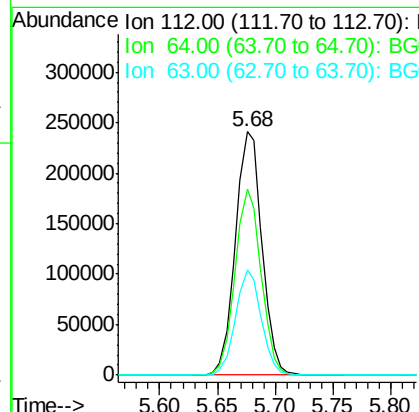
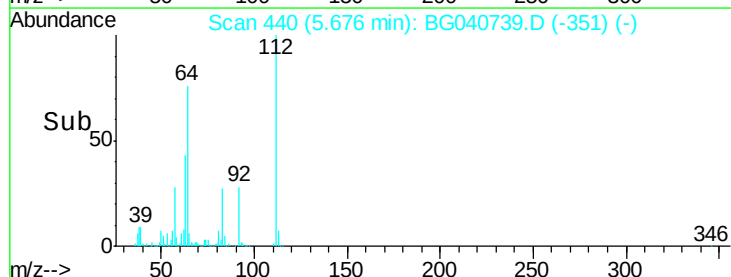
#5

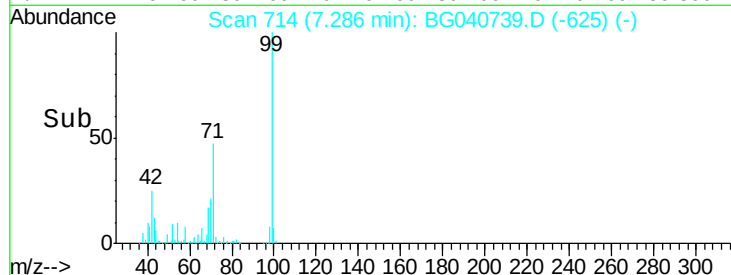
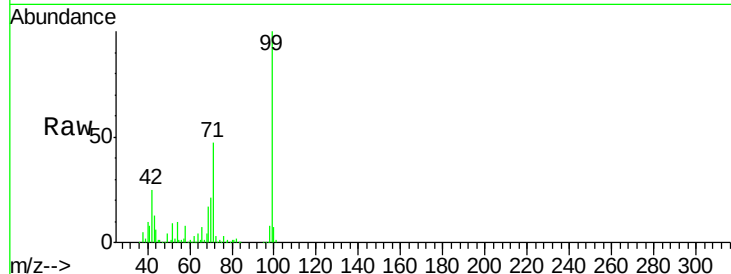
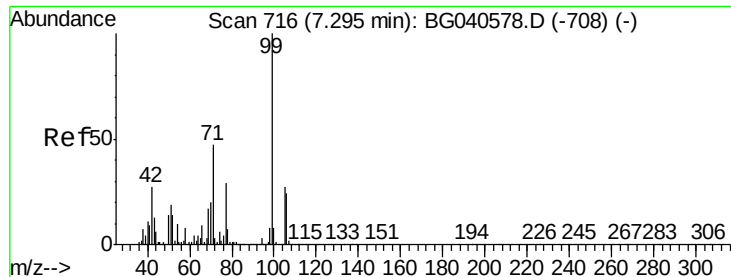
2-Fluorophenol
Concen: 172.521 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Tgt Ion:112 Resp: 384039
Ion Ratio Lower Upper
112 100
64 76.3 61.4 92.0
63 43.4 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

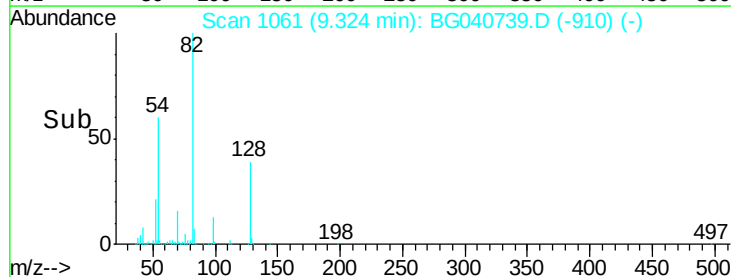
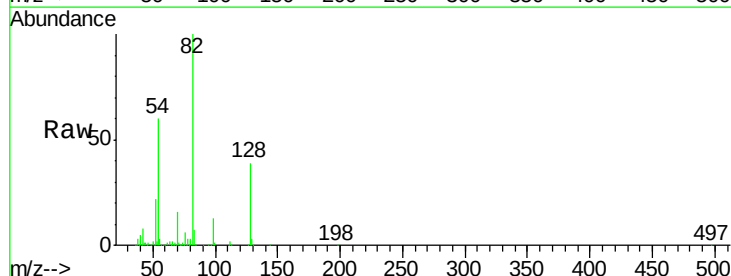
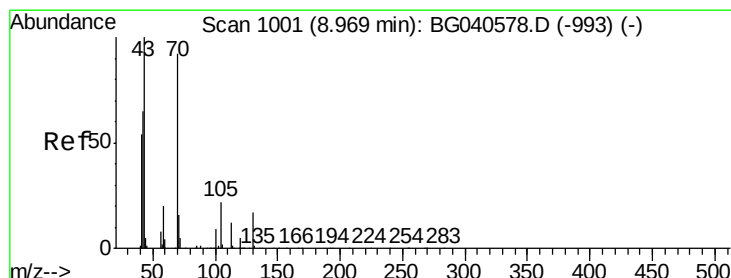
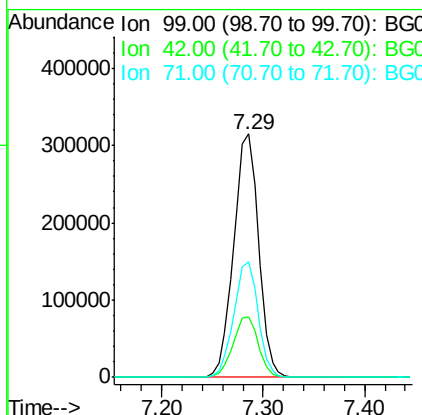




#7
Phenol-d6
Concen: 157.069 ng
RT: 7.29 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

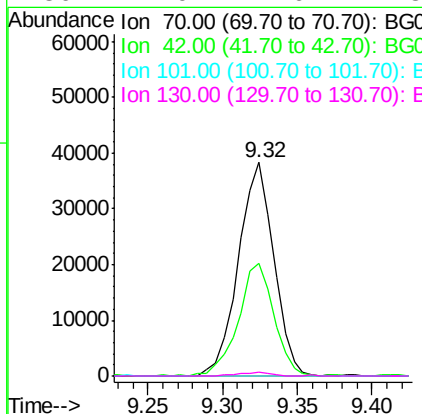
Instrument :
BNA_G
ClientSampleId :
TP-2

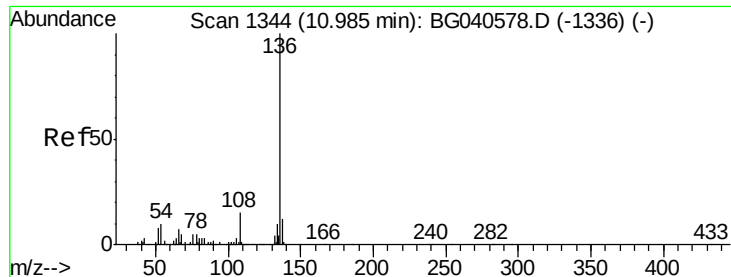
Tot Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.8	32.8
71	47.3	38.6	57.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.411 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.9	57.1	85.7#
101	0.0	7.8	11.8#
130	2.0	14.6	21.8#

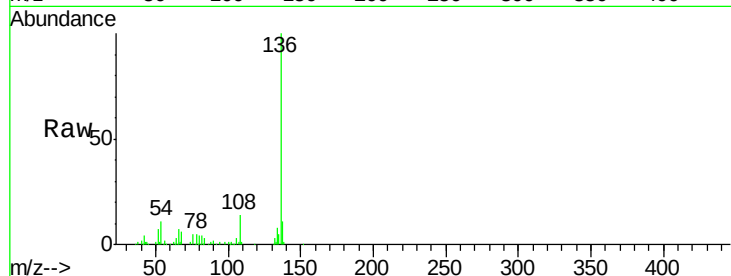




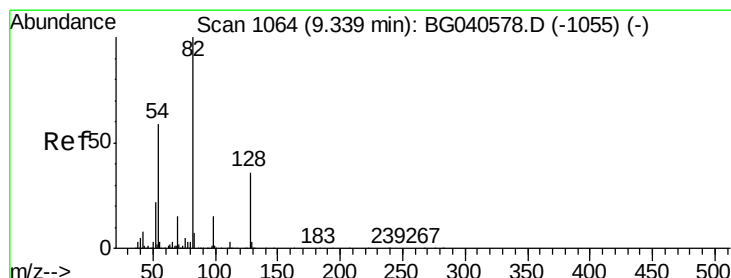
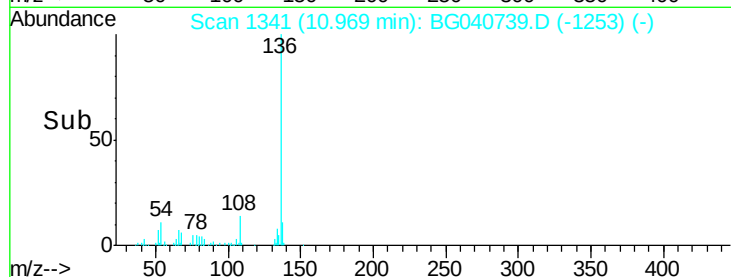
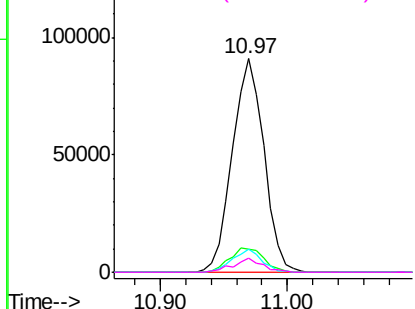
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Instrument :
BNA_G
ClientSampleId :
TP-2

Tot Ion:136	Resp:	156805
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.7 14.5
54	10.5	8.6 12.8
68	6.4	4.8 7.2

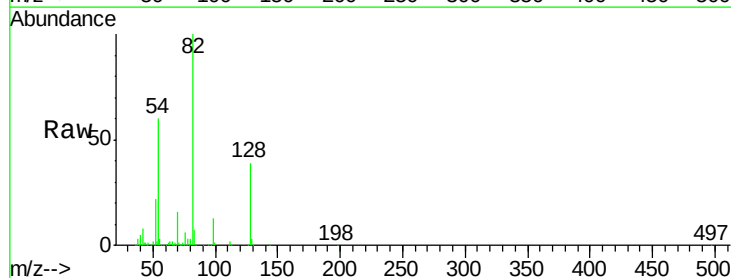


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

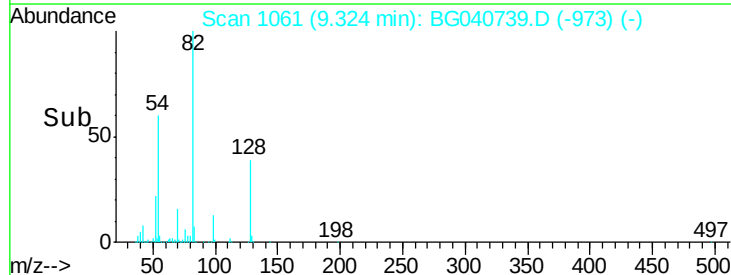
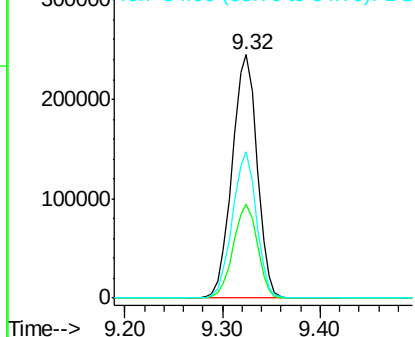


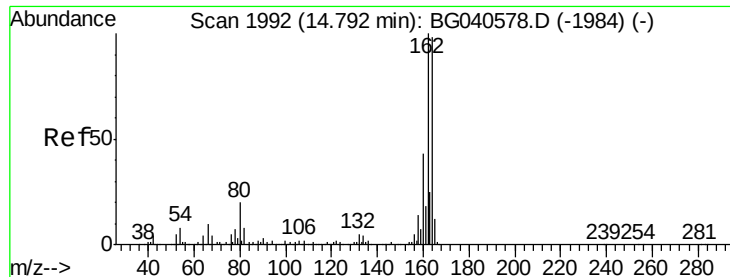
#23
Nitrobenzene-d5
Concen: 128.622 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Tgt Ion: 82	Resp:	436489
Ion	Ratio	Lower Upper
82	100	
128	38.5	28.9 43.3
54	60.0	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# 1989

Delta R.T. -0.02 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Instrument :

BNA_G

ClientSampleId :

TP-2

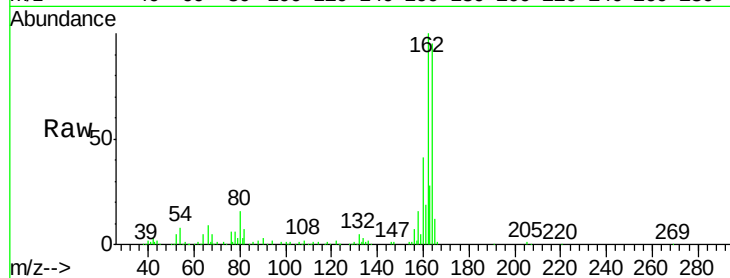
Tot Ion:164 Resp: 116266

Ion Ratio Lower Upper

164 100

162 105.8 81.9 122.9

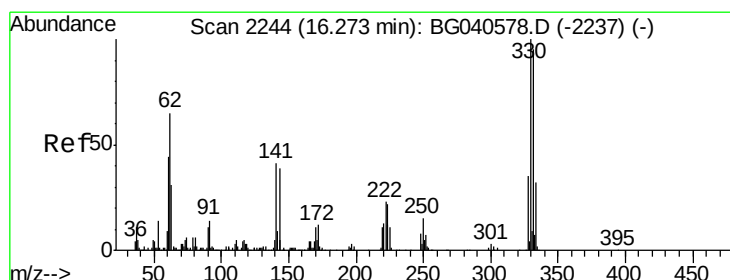
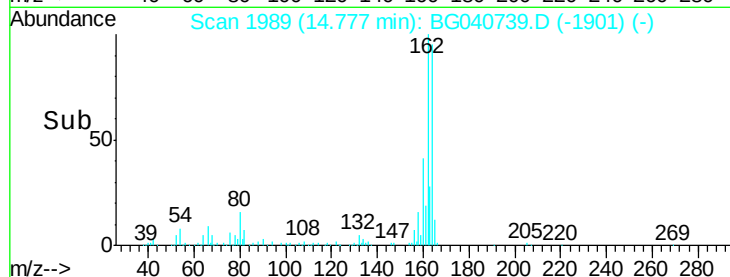
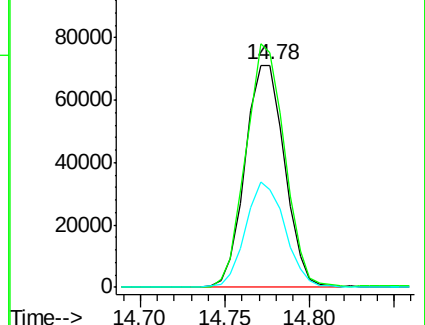
160 43.9 35.4 53.2



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: 166.802 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

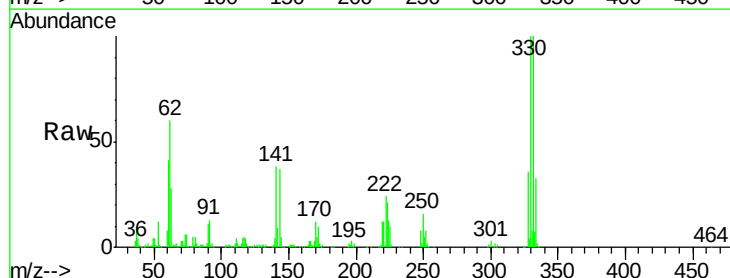
Tgt Ion:330 Resp: 266566

Ion Ratio Lower Upper

330 100

332 96.2 75.9 113.9

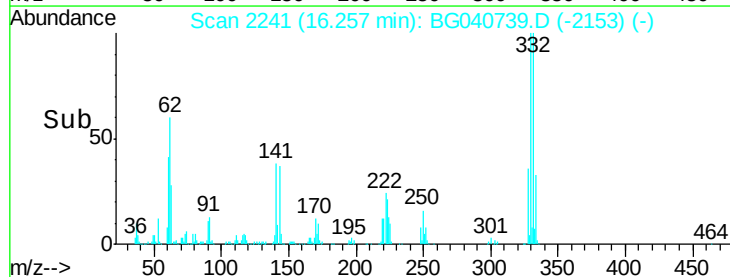
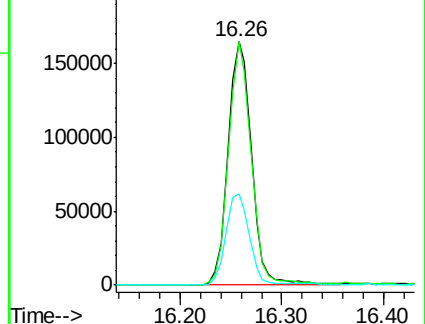
141 38.0 32.4 48.6

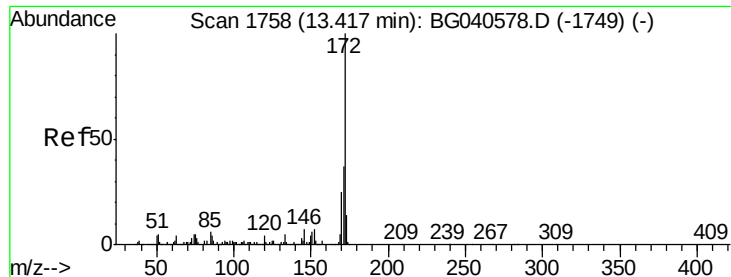


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 122.447 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Instrument :

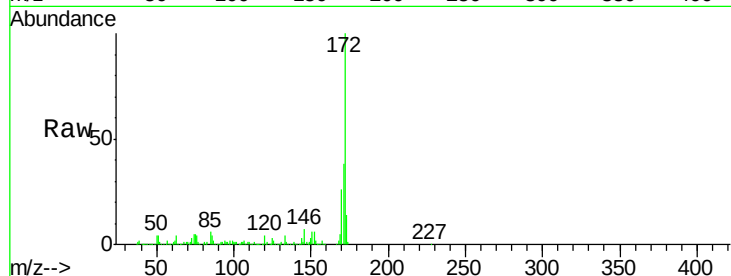
BNA_G

ClientSampleId :

TP-2

Tot Ion:172 Resp: 985768

Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.2
170	25.8	19.9	29.9

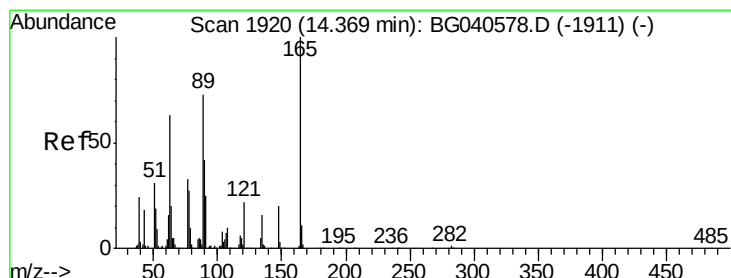
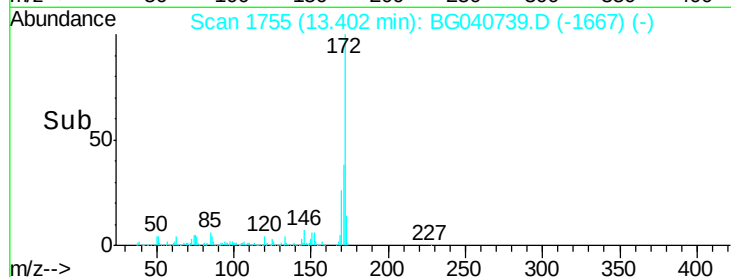
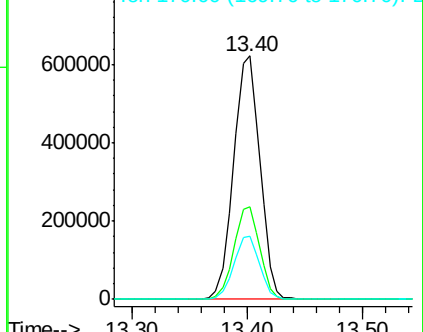


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 8.159 ng

RT: 14.77 min Scan# 1988

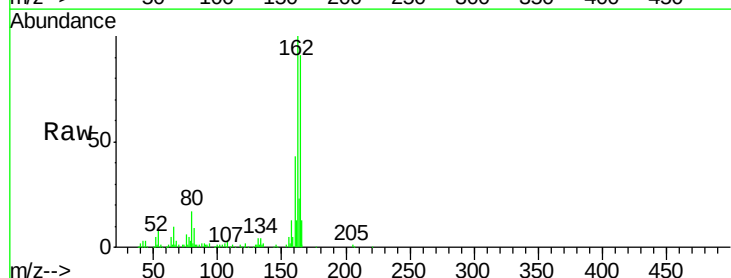
Delta R.T. 0.40 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Tgt Ion:165 Resp: 15491

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

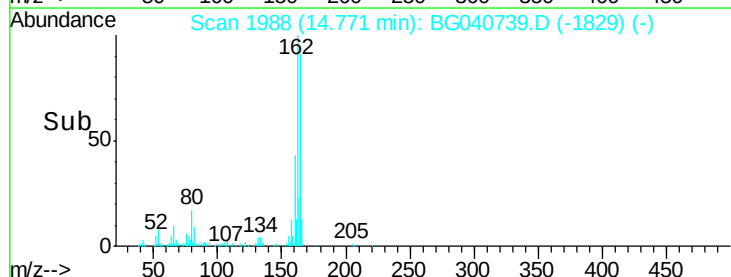
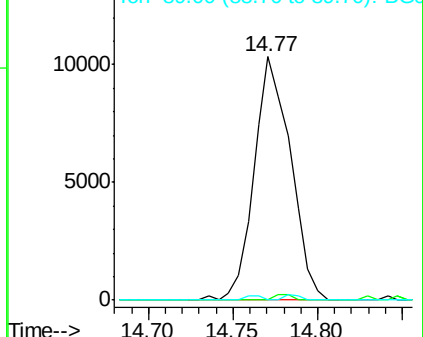


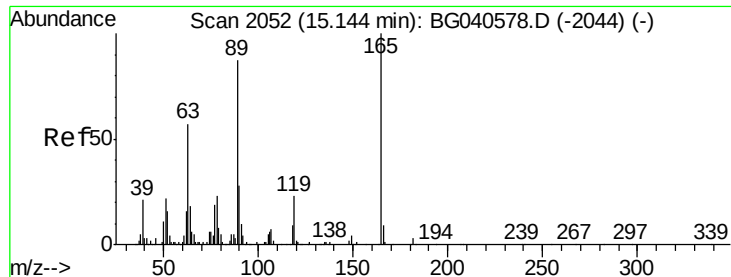
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 6.005 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.37 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Instrument :

BNA_G

ClientSampleId :

TP-2

Tot Ion:165 Resp: 15491

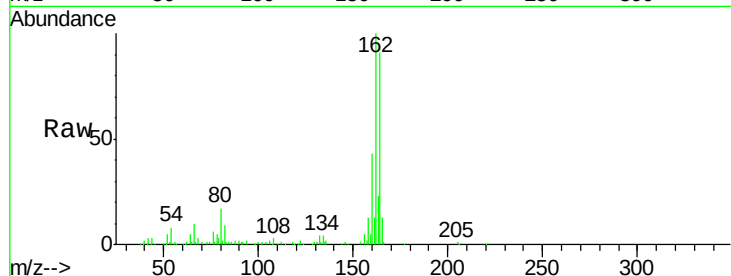
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

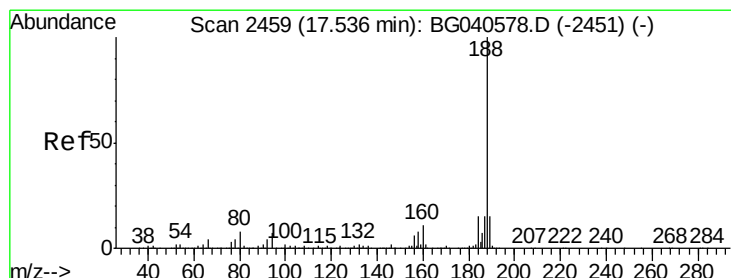
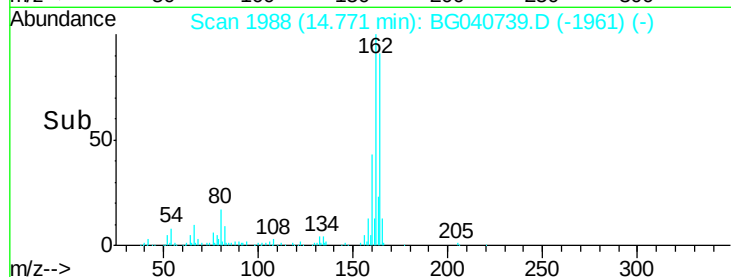
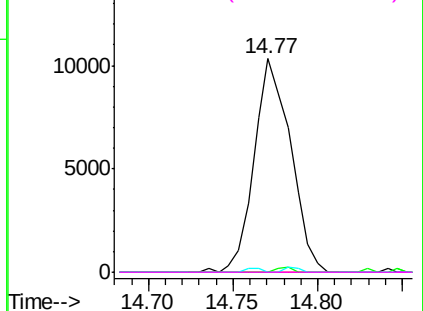


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

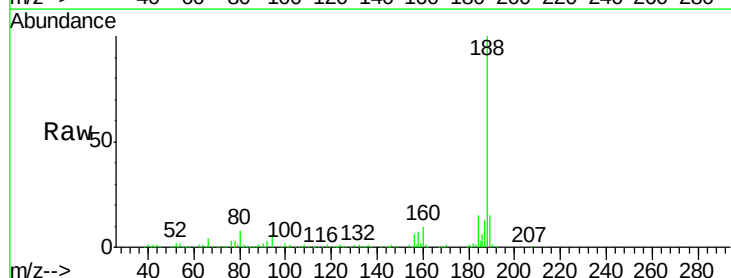
Tgt Ion:188 Resp: 338164

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

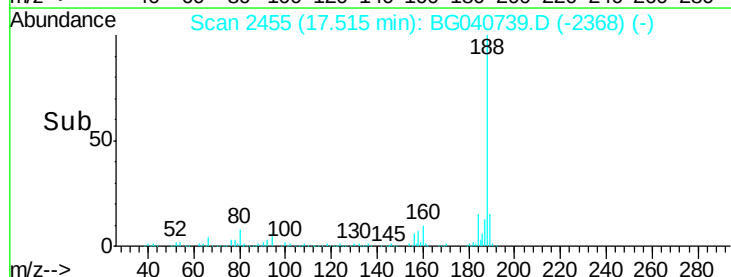
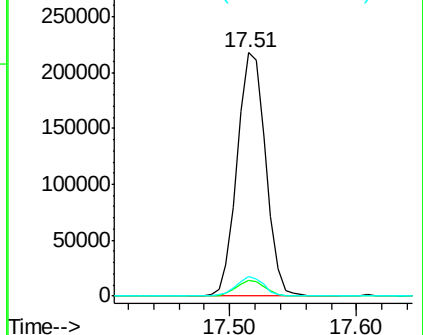
80 8.3 6.4 9.6

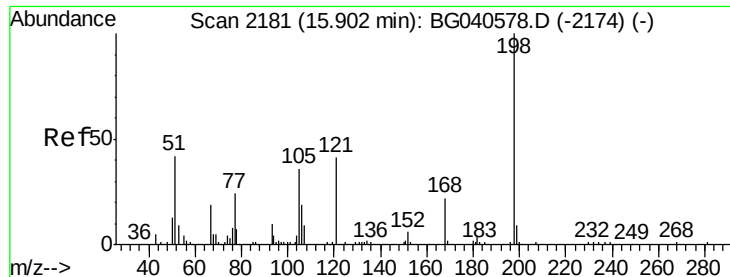


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.132 ng

RT: 15.73 min Scan# 2152

Delta R.T. -0.17 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Instrument :

BNA_G

ClientSampleId :

TP-2

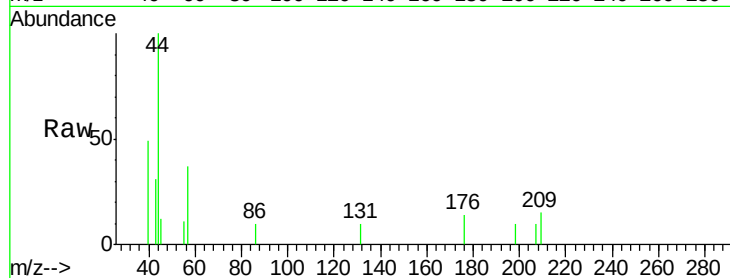
Tot Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

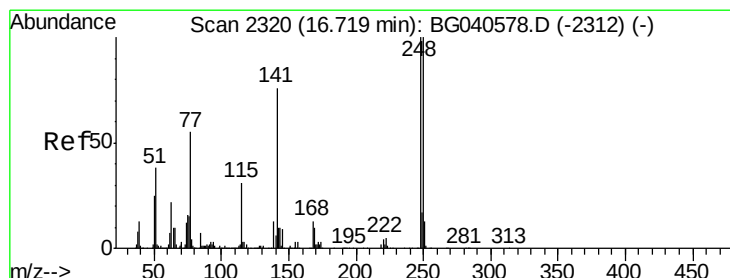
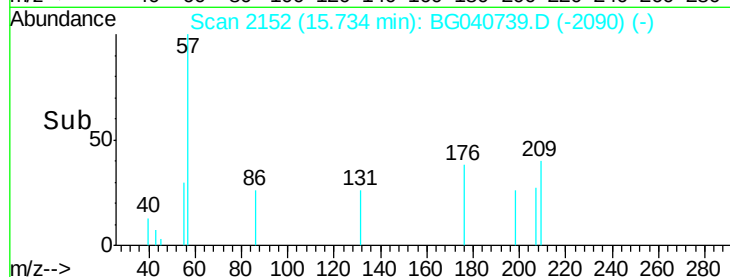
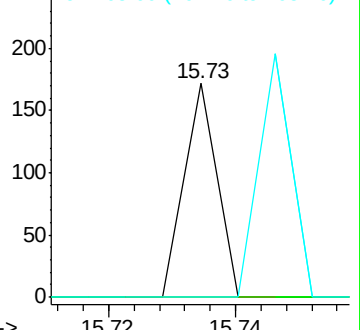
105 0.0 21.2 61.2#



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: 4.535 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

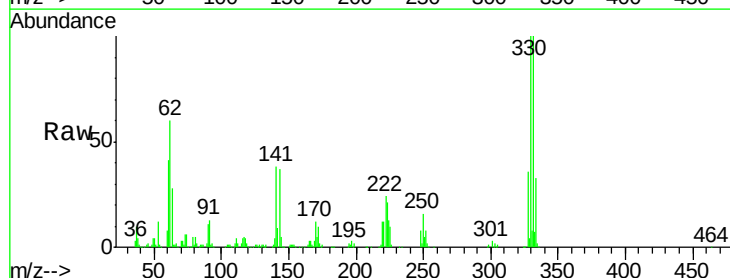
Tgt Ion:248 Resp: 19106

Ion Ratio Lower Upper

248 100

250 197.6 79.8 119.6#

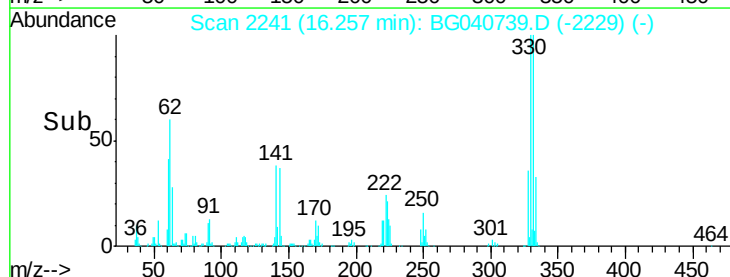
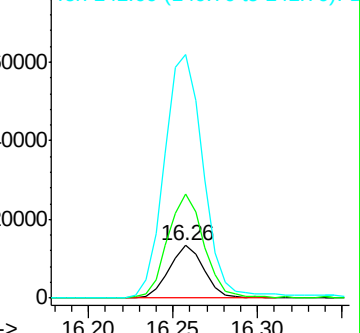
141 464.9 60.8 91.2#

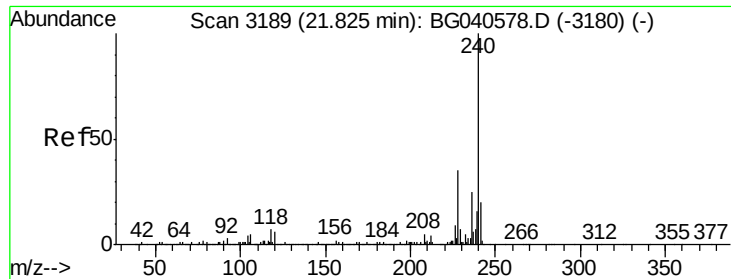


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

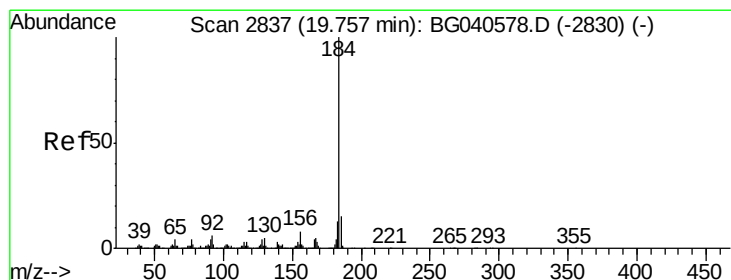
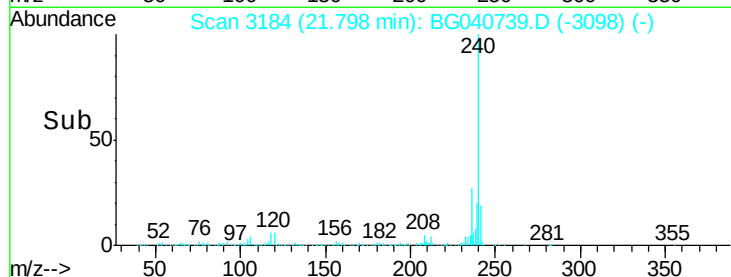
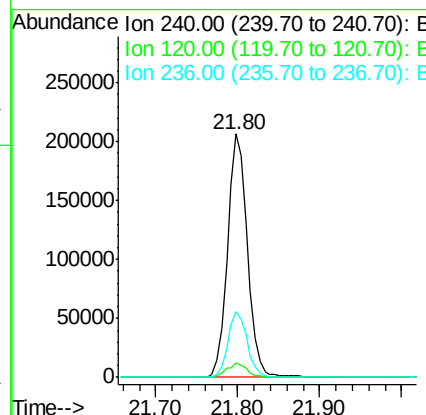
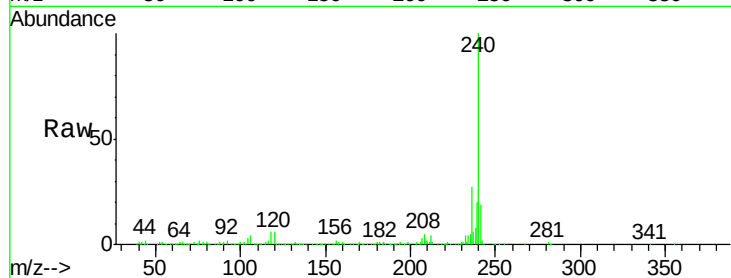




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

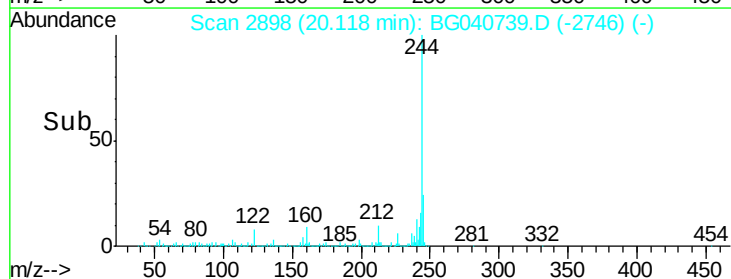
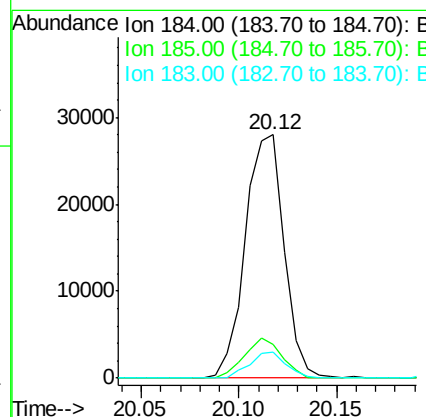
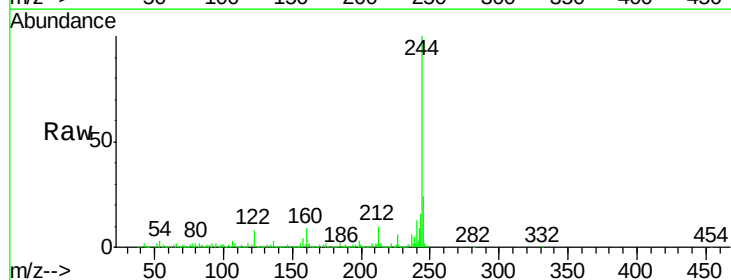
Instrument :
BNA_G
ClientSampled :
TP-2

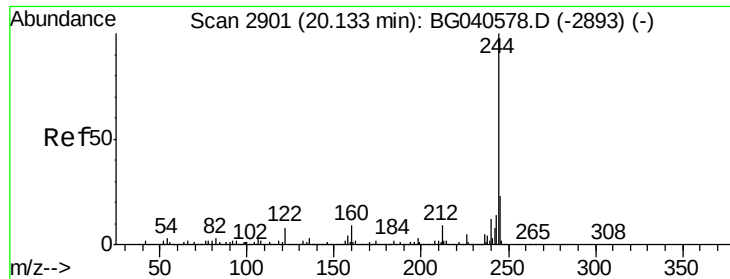
Tot Ion:240 Resp: 347817
Ion Ratio Lower Upper
240 100
120 5.7 5.0 7.6
236 26.7 20.3 30.5



#77
Benzidine
Concen: 4.039 ng
RT: 20.12 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG040739.D
Acq: 4 May 2019 00:11

Tgt Ion:184 Resp: 38463
Ion Ratio Lower Upper
184 100
185 13.9 11.8 17.8
183 10.5 10.2 15.2





#79

Terphenyl-d14

Concen: 126.438 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

Instrument :

BNA_G

ClientSampleId :

TP-2

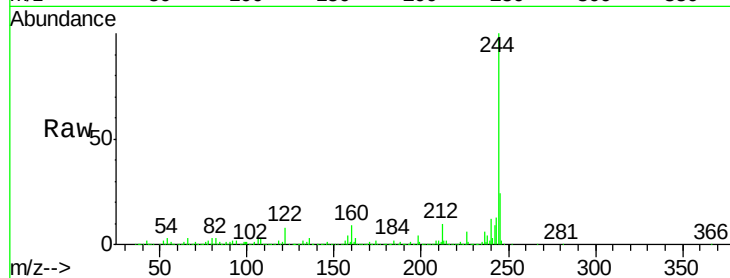
Tot Ion:244 Resp: 1985056

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

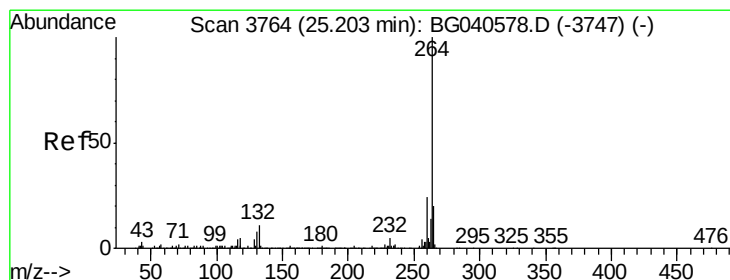
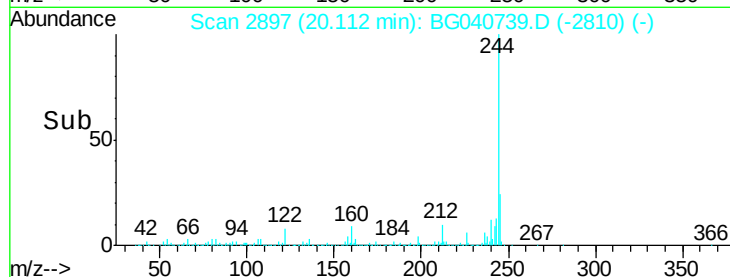
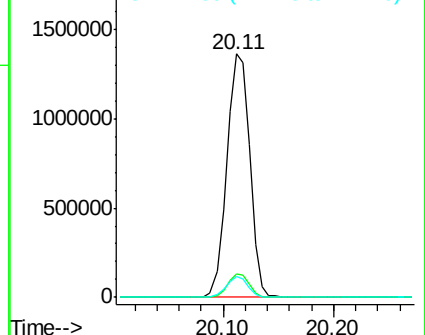
122 8.3 6.6 10.0



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: 25.16 min Scan# 3756

Delta R.T. -0.04 min

Lab File: BG040739.D

Acq: 4 May 2019 00:11

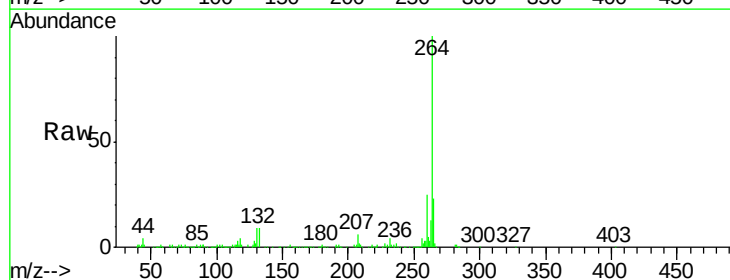
Tgt Ion:264 Resp: 347236

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 23.3 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

