

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040740.D
 Acq On : 4 May 2019 00:48
 Operator : JU/SJ
 Sample : K2668-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: May 05 23:11:10 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

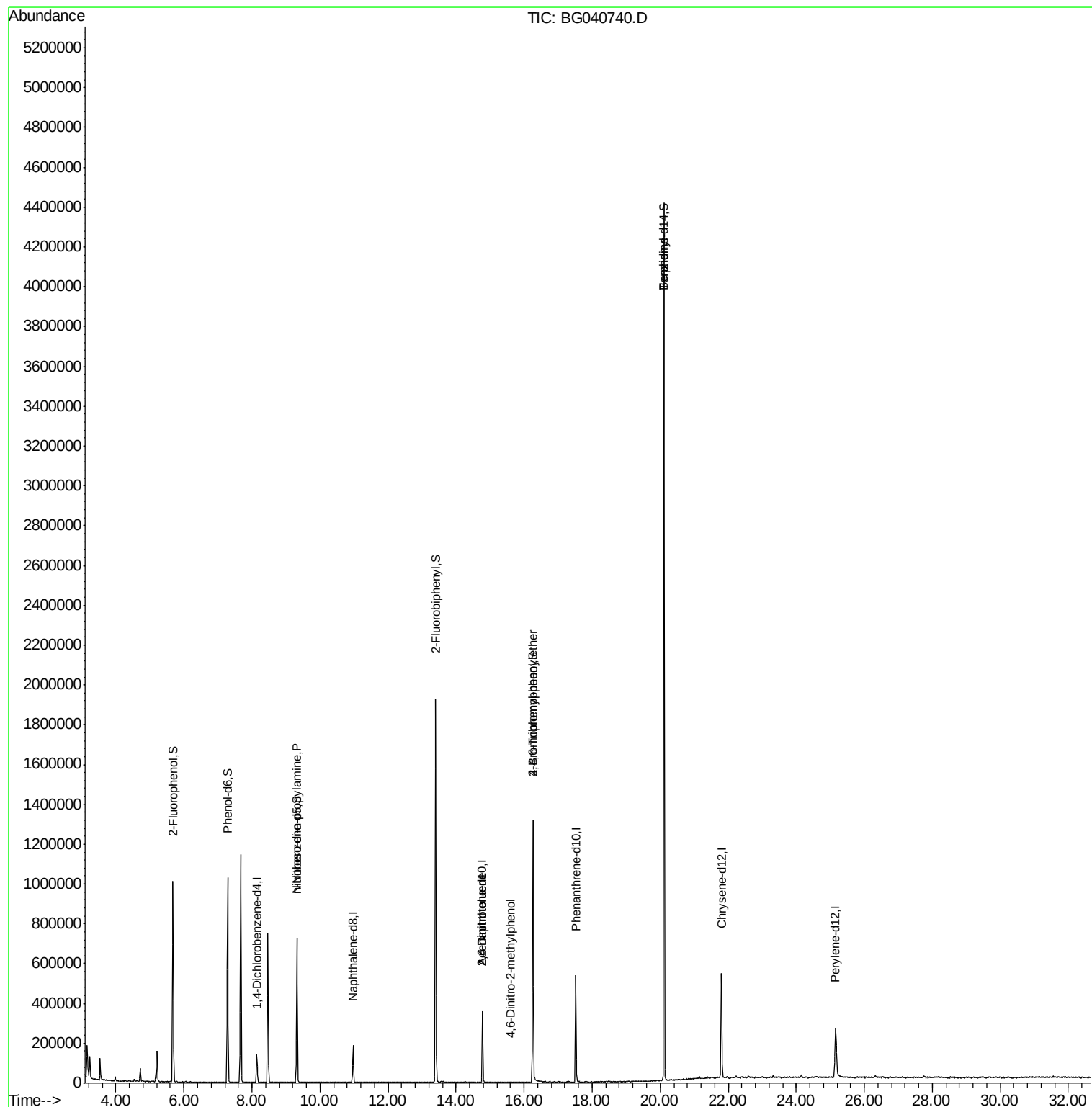
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	37256	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	146261	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	113921	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	323576	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	326530	20.00	ng	-0.02
87) Perylene-d12	25.16	264	318384	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	368390	174.30	ng	0.00
7) Phenol-d6	7.28	99	509310	156.51	ng	-0.01
23) Nitrobenzene-d5	9.32	82	427328	135.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	248092	158.44	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	932424	118.21	ng	-0.02
79) Terphenyl-d14	20.11	244	1962443	133.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	1365	Below Cal	Qvalue #	6
19) n-Nitroso-di-n-propylamine	9.32	70	64554	22.037 ng	#	73
51) 2,6-Dinitrotoluene	14.77	165	15654	8.415 ng	#	13
57) 2,4-Dinitrotoluene	14.77	165	15654	6.193 ng	#	15
65) 4,6-Dinitro-2-methylphenol	15.61	198	90	7.149 ng	#	28
67) 4-Bromophenyl-phenylether	16.25	248	17336	4.300 ng	#	1
77) Benizidine	20.11	184	37739	4.221 ng		96

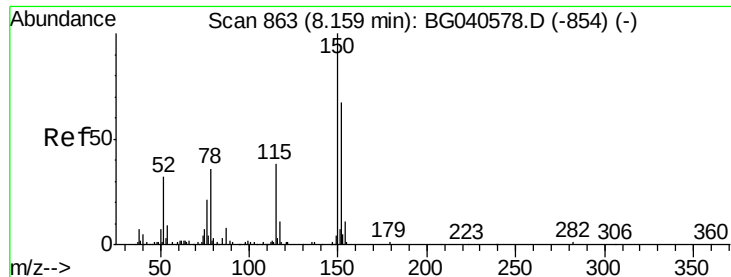
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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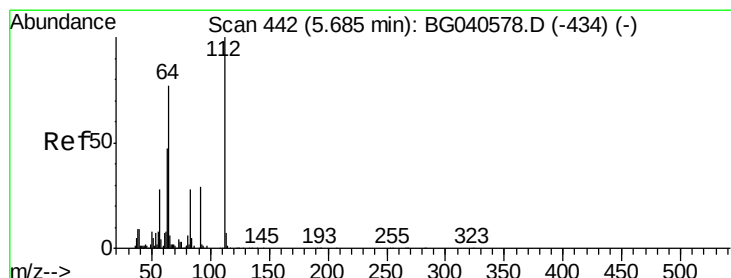
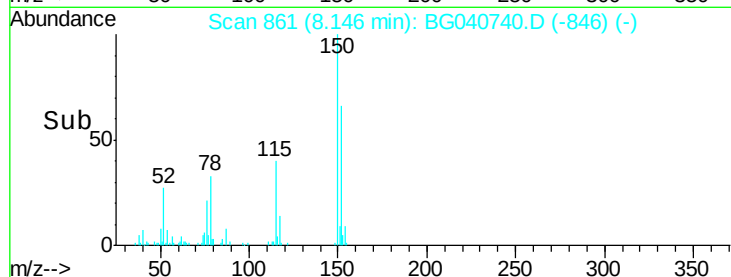
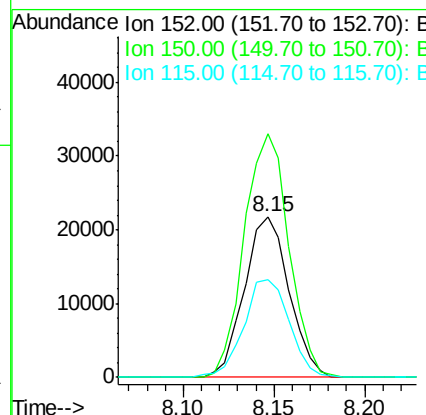
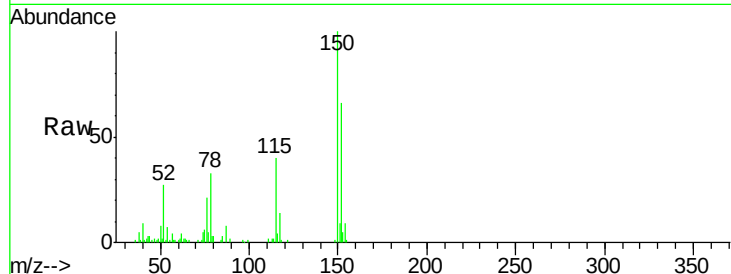


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

Instrument :
BNA_G
ClientSampleId :
TP-3

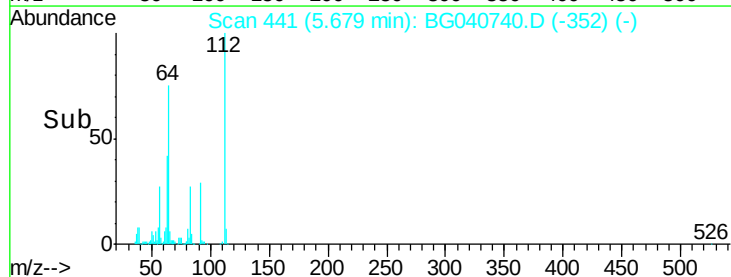
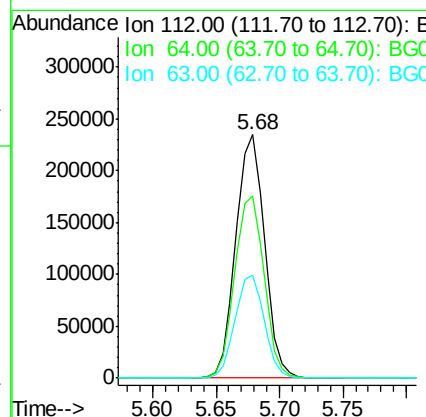
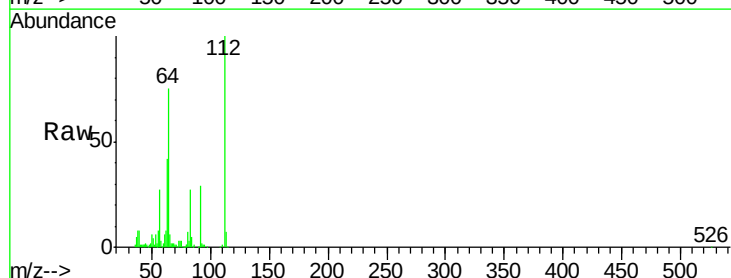
Tot Ion	152	Resp	37256
Ion Ratio	Lower	Upper	
152	100		
150	151.3	120.2	180.2
115	60.6	46.2	69.2

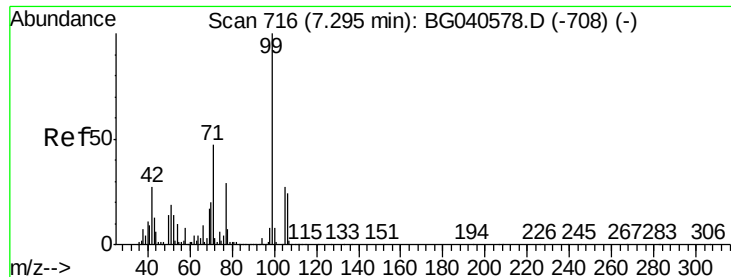


#5

2-Fluorophenol
Concen: 174.303 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

Tgt Ion	112	Resp	368390
Ion Ratio	Lower	Upper	
112	100		
64	74.8	61.4	92.0
63	42.4	37.8	56.6





#7

Phenol-d6

Concen: 156.509 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Instrument :

BNA_G

ClientSampleId :

TP-3

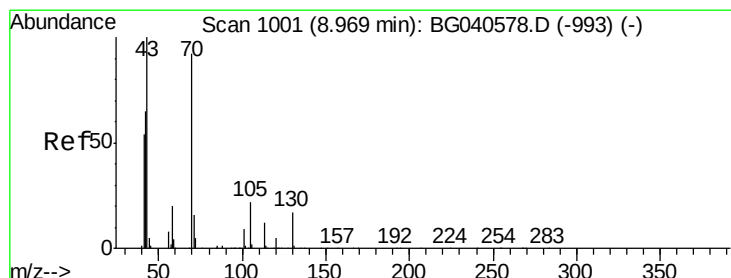
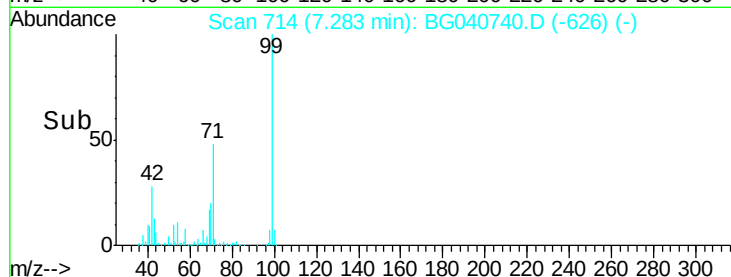
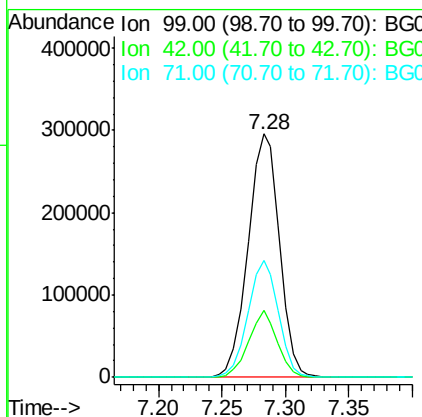
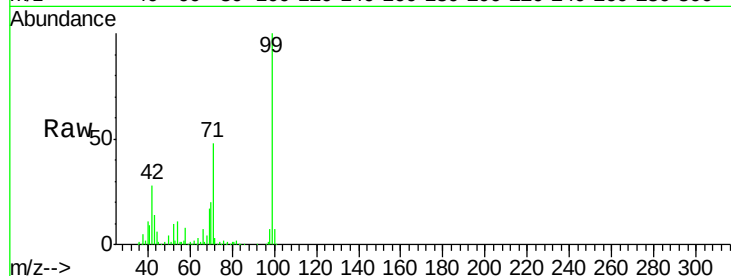
Tot Ion: 99 Resp: 509310

Ion Ratio Lower Upper

99 100

42 27.7 21.8 32.8

71 48.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 22.037 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Tgt Ion: 70 Resp: 64554

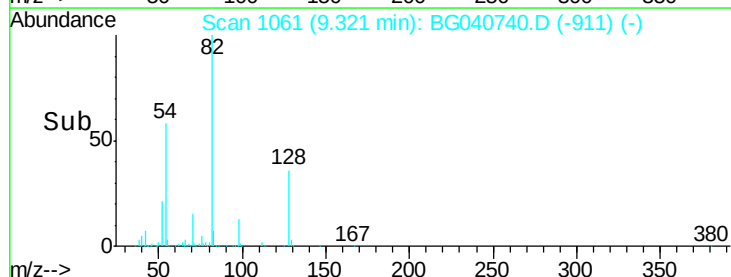
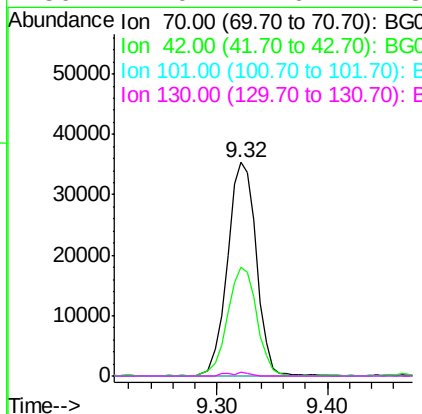
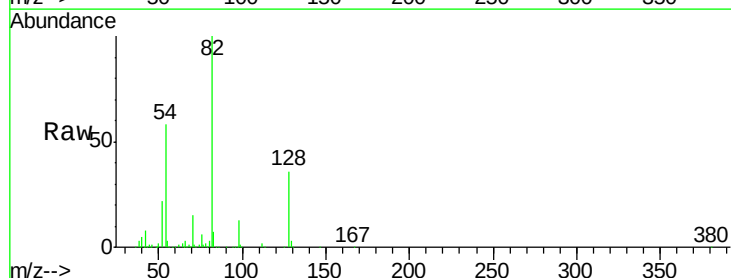
Ion Ratio Lower Upper

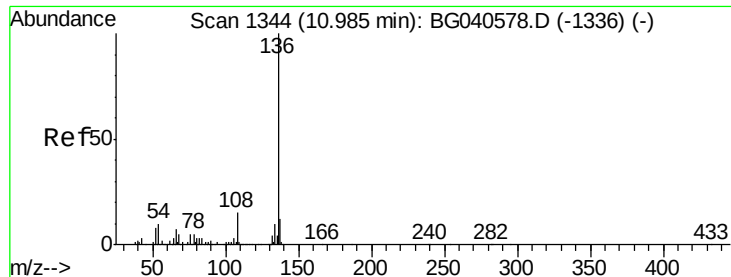
70 100

42 50.7 57.1 85.7#

101 0.0 7.8 11.8#

130 2.0 14.6 21.8#

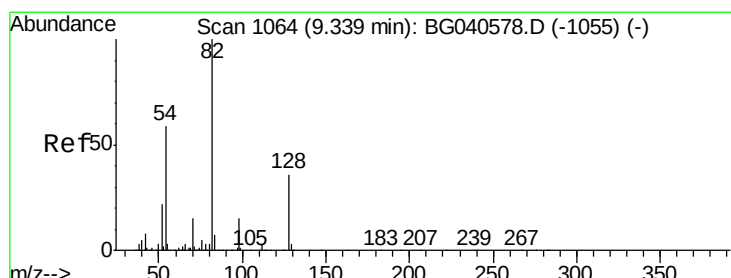
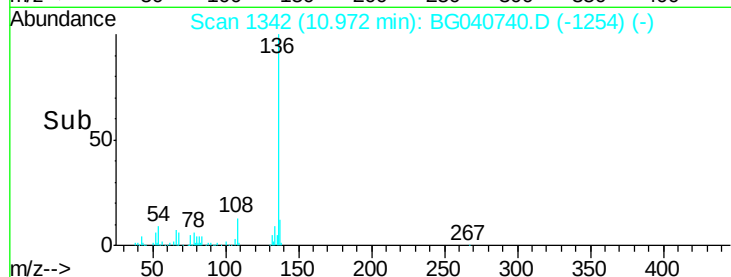
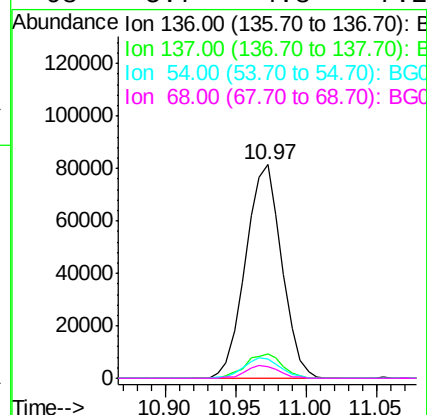
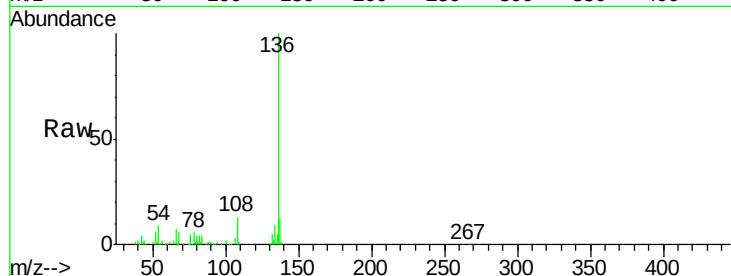




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

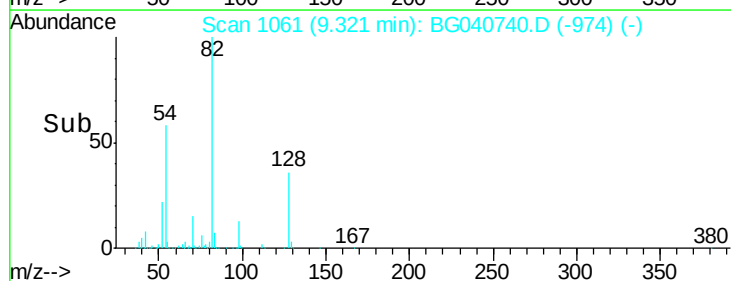
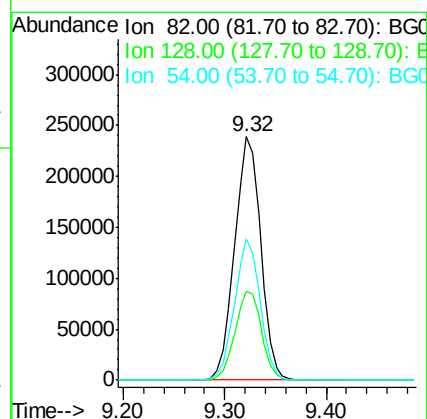
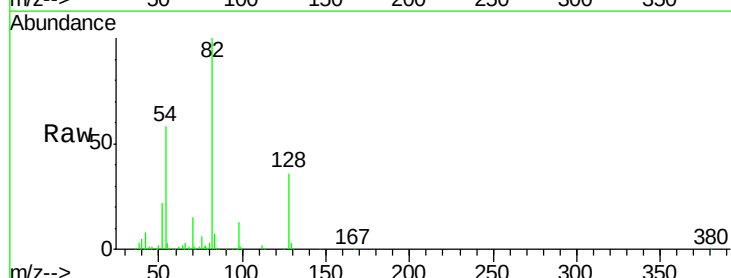
Instrument :
BNA_G
ClientSampleId :
TP-3

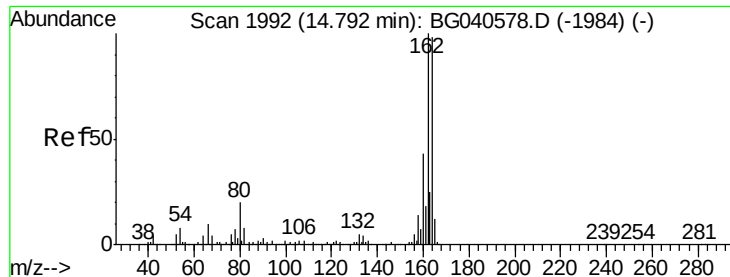
Tot Ion:136	Resp:	146261
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.7 14.5
54	9.1	8.6 12.8
68	5.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 135.000 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

Tgt Ion: 82	Resp:	427328
Ion	Ratio	Lower Upper
82	100	
128	36.5	28.9 43.3
54	57.8	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Instrument :

BNA_G

ClientSampled :

TP-3

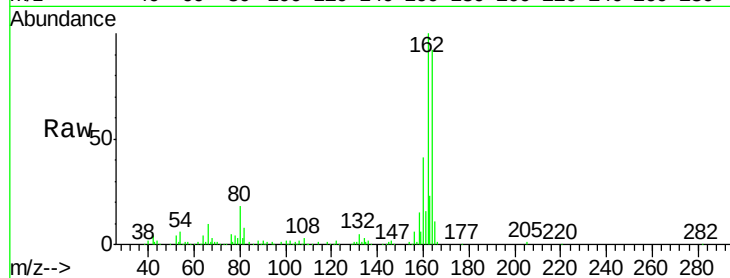
Tot Ion:164 Resp: 113921

Ion Ratio Lower Upper

164 100

162 109.2 81.9 122.9

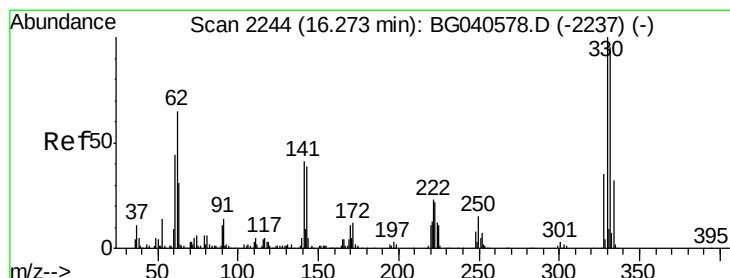
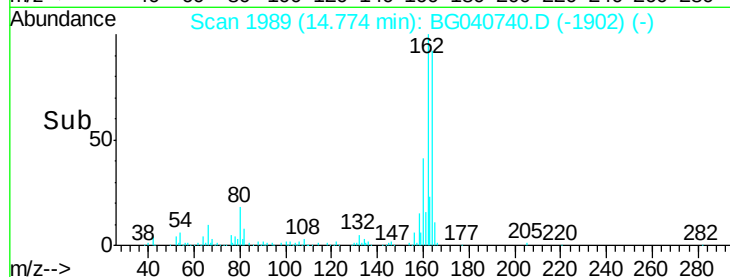
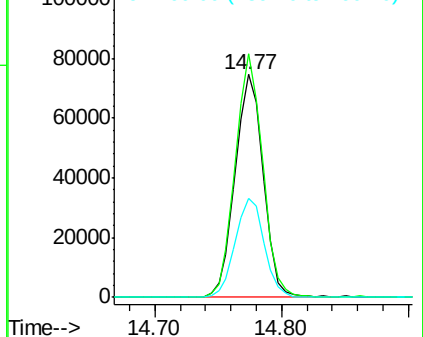
160 44.6 35.4 53.2



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: 158.437 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

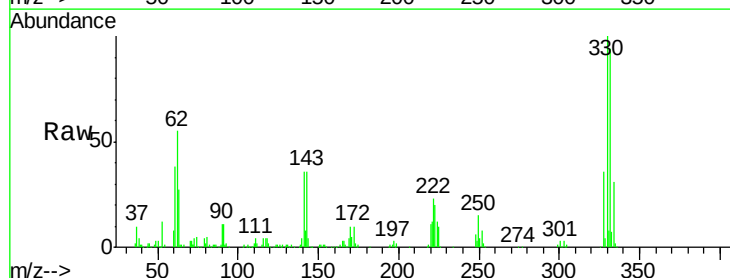
Tgt Ion:330 Resp: 248092

Ion Ratio Lower Upper

330 100

332 95.3 75.9 113.9

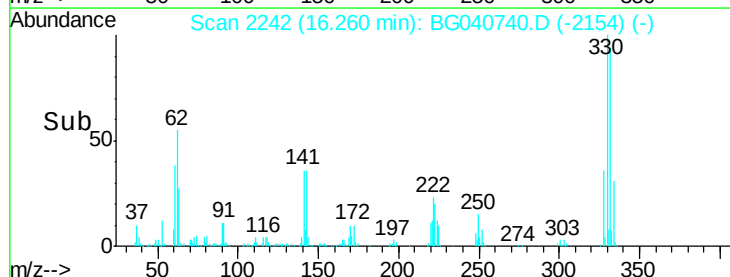
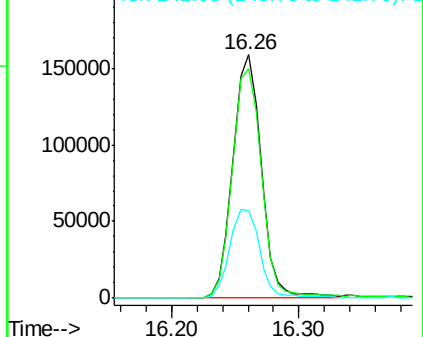
141 38.8 32.4 48.6

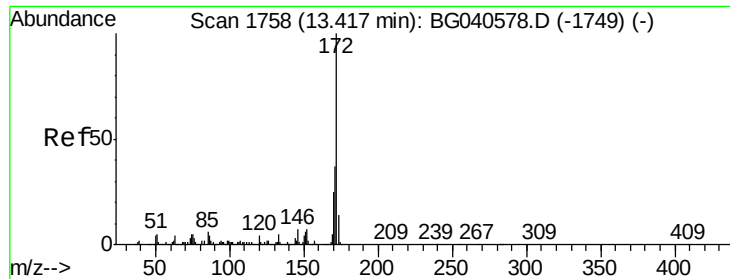


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

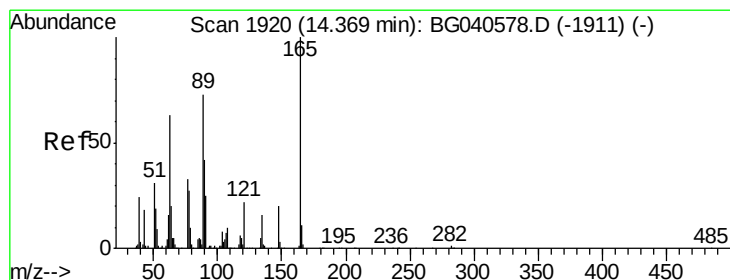
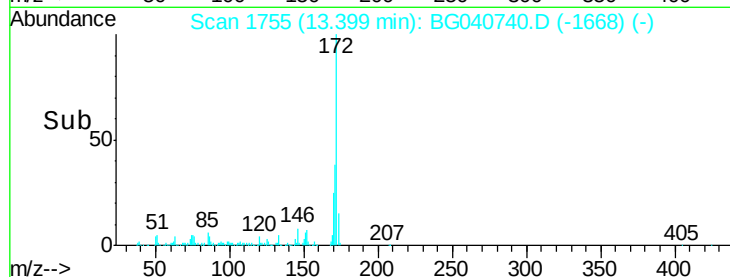
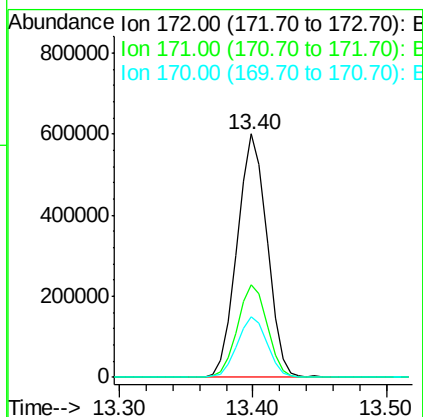
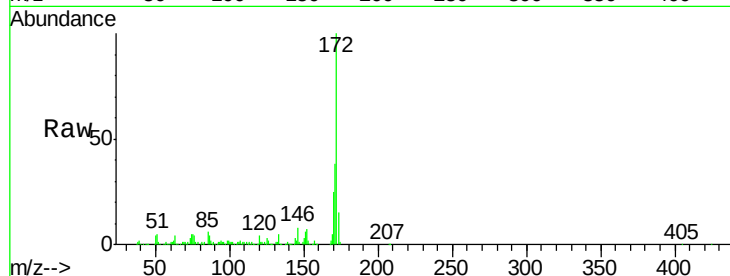




#45
2-Fluorobiphenyl
Concen: 118.205 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

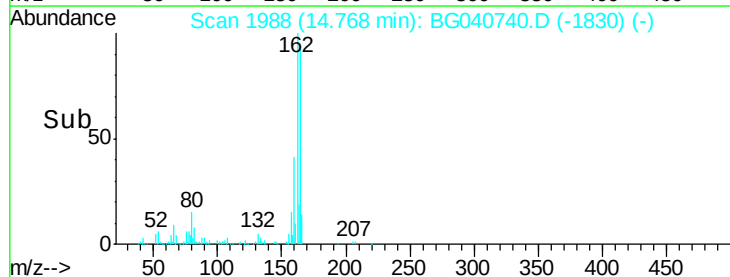
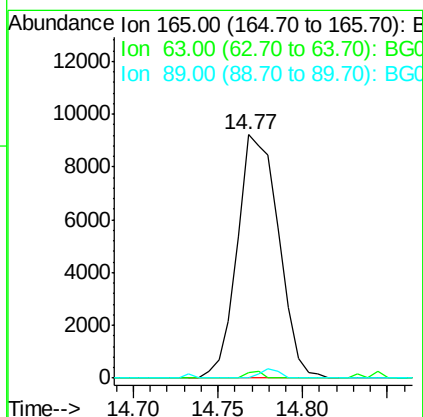
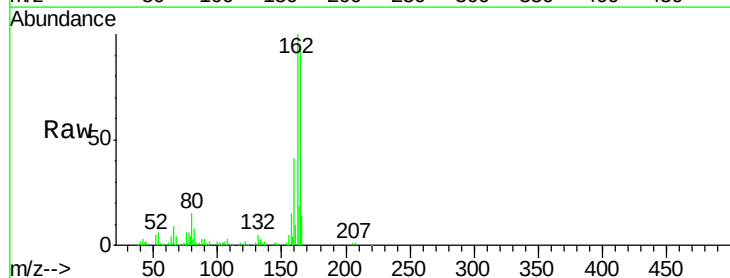
Instrument :
BNA_G
ClientSampleId :
TP-3

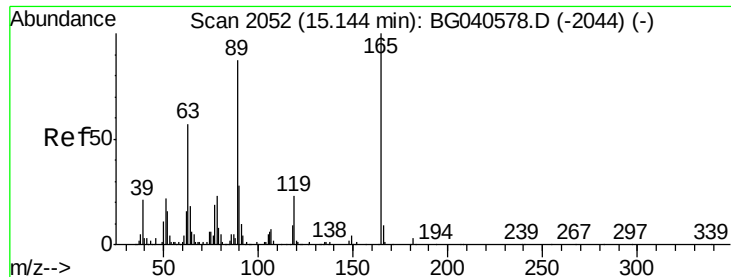
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	24.9	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.415 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	0.0	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 6.193 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Instrument :

BNA_G

ClientSampleId :

TP-3

Tot Ion:165 Resp: 15654

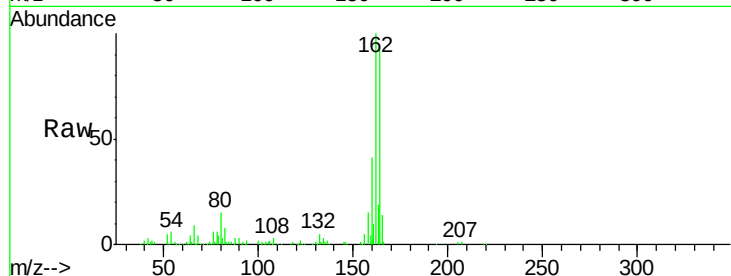
Ion Ratio Lower Upper

165 100

63 2.0 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

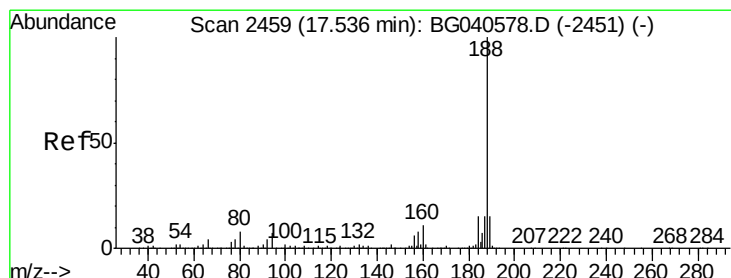
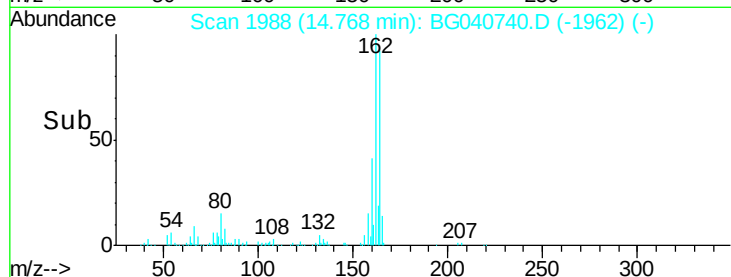
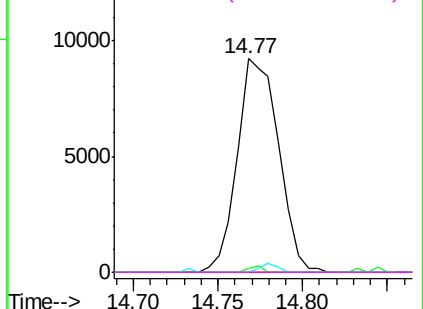


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

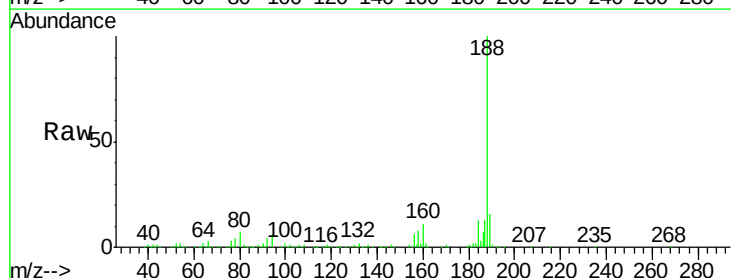
Tgt Ion:188 Resp: 323576

Ion Ratio Lower Upper

188 100

94 5.8 5.6 8.4

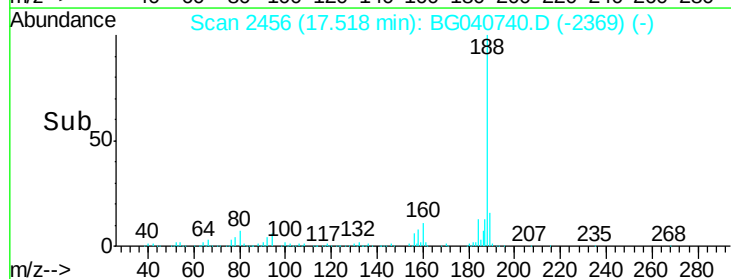
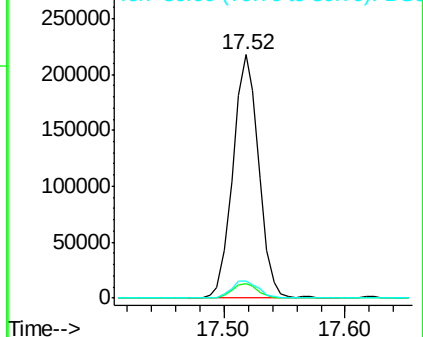
80 6.9 6.4 9.6

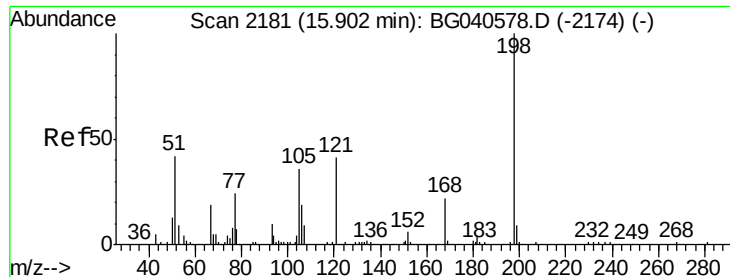


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.149 ng

RT: 15.61 min Scan# 2131

Delta R.T. -0.29 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Instrument :

BNA_G

ClientSampleId :

TP-3

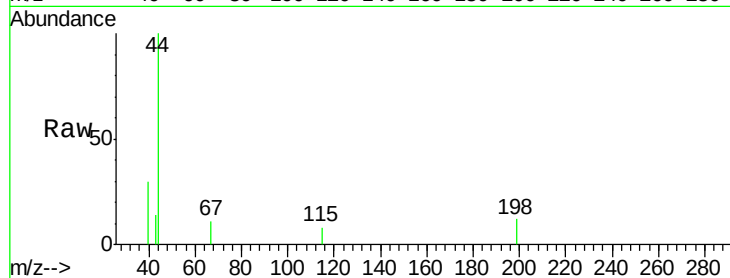
Tot Ion:198 Resp: 90

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

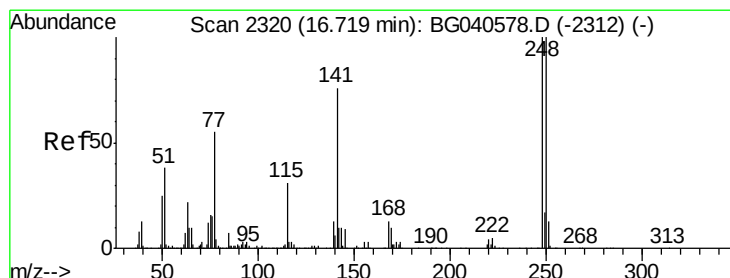
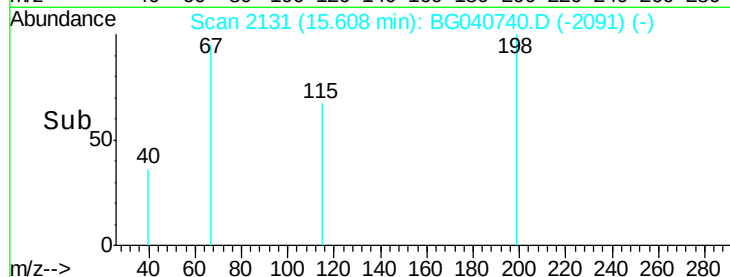
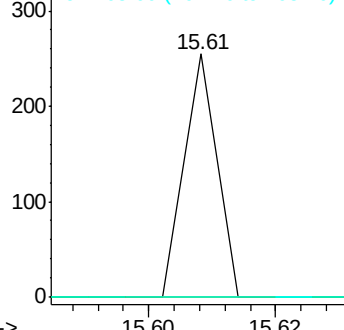
105 0.0 21.2 61.2#



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: 4.300 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

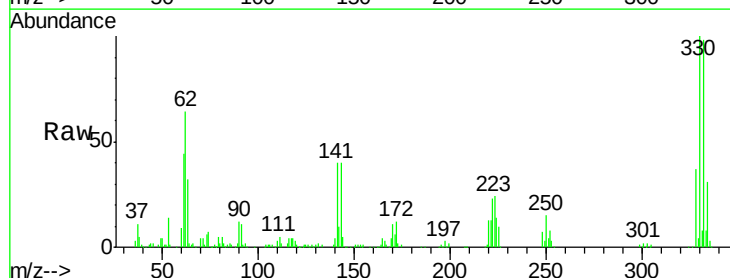
Tgt Ion:248 Resp: 17336

Ion Ratio Lower Upper

248 100

250 206.5 79.8 119.6#

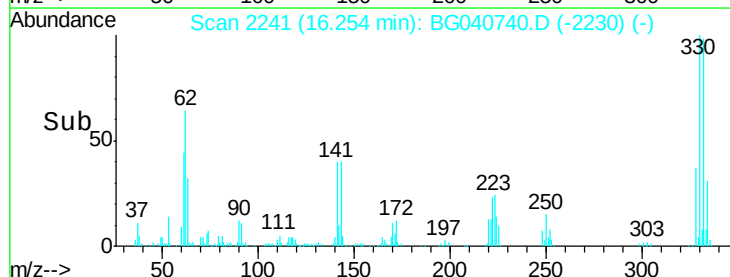
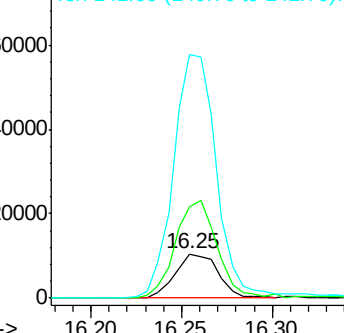
141 553.3 60.8 91.2#

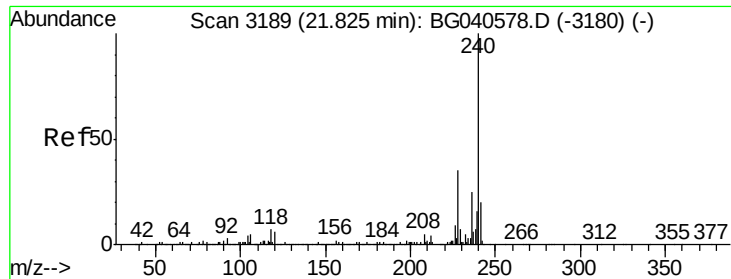


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

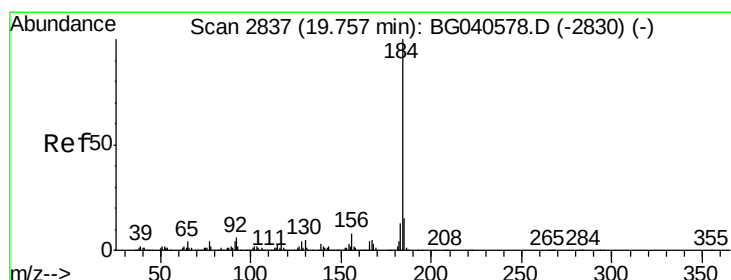
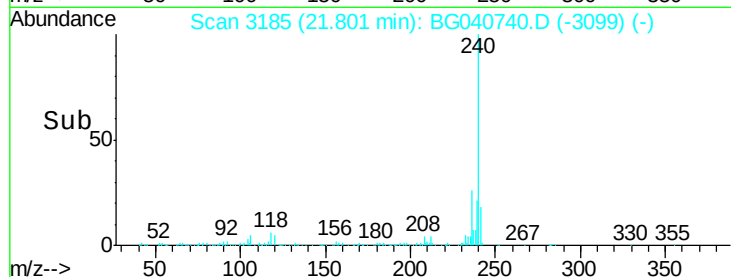
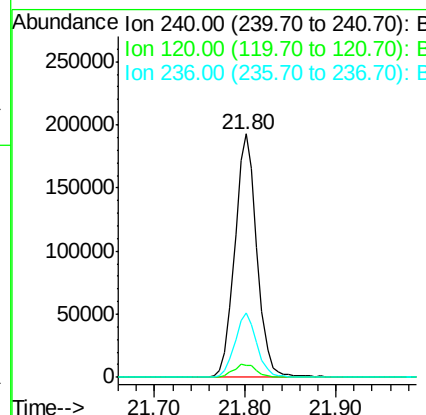
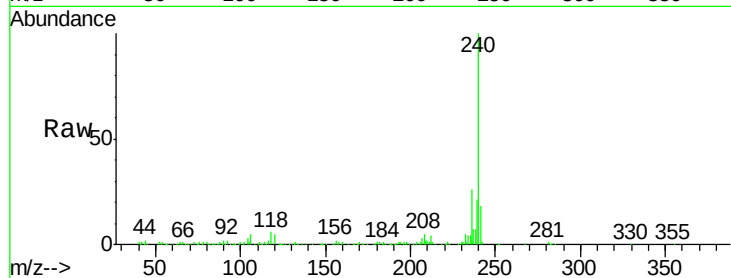




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

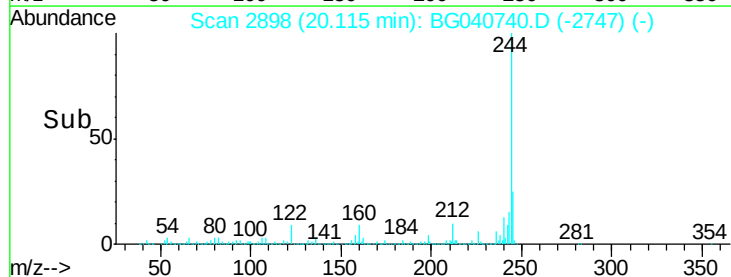
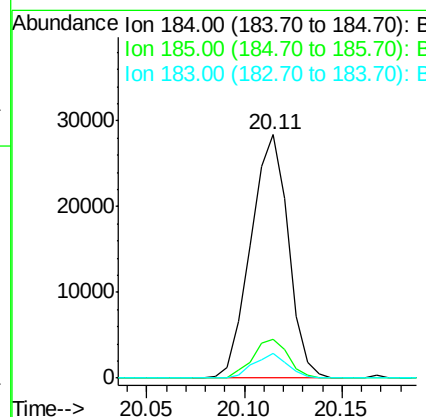
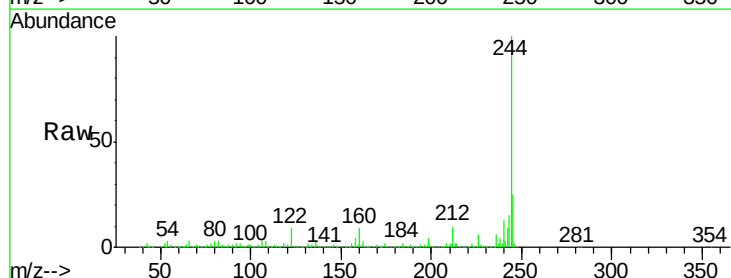
Instrument :
BNA_G
ClientSampled :
TP-3

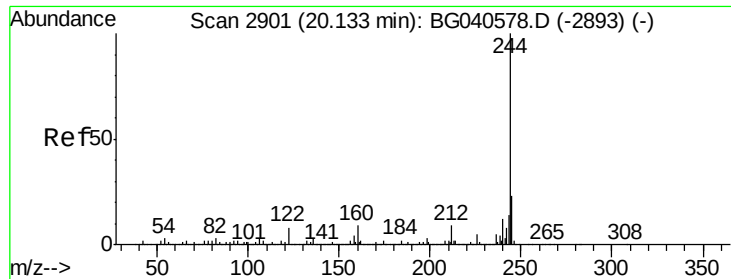
Tot Ion:240 Resp: 326530
Ion Ratio Lower Upper
240 100
120 4.9 5.0 7.6#
236 26.3 20.3 30.5



#77
Benzidine
Concen: 4.221 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG040740.D
Acq: 4 May 2019 00:48

Tgt Ion:184 Resp: 37739
Ion Ratio Lower Upper
184 100
185 16.1 11.8 17.8
183 10.3 10.2 15.2





#79

Terphenyl-d14

Concen: 133.147 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

Instrument :

BNA_G

ClientSampleId :

TP-3

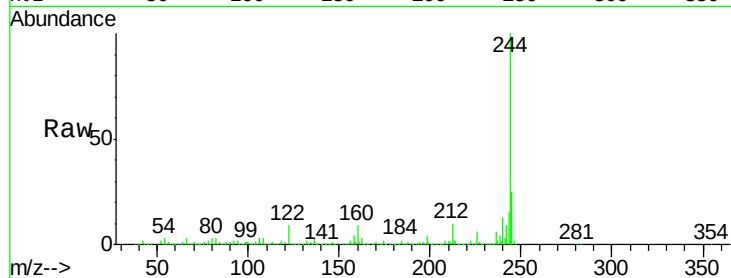
Tot Ion:244 Resp: 1962443

Ion Ratio Lower Upper

244 100

212 10.3 7.2 10.8

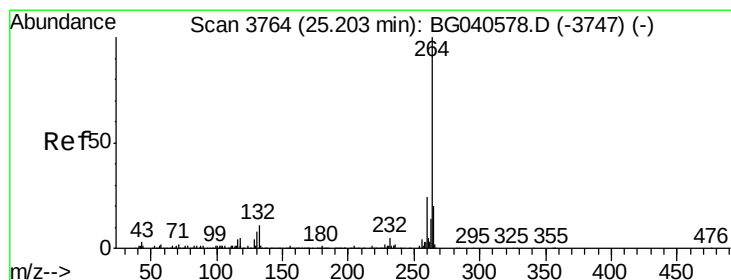
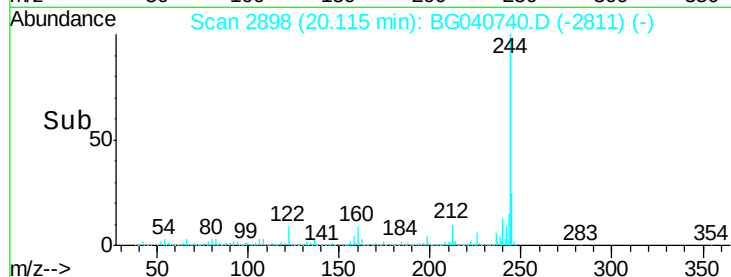
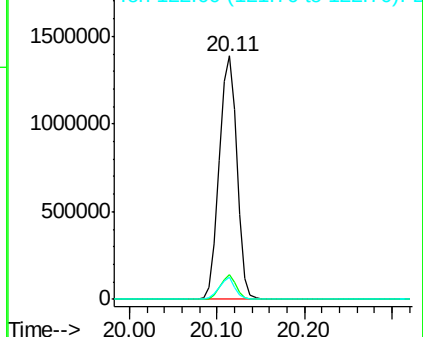
122 9.0 6.6 10.0



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. -0.05 min

Lab File: BG040740.D

Acq: 4 May 2019 00:48

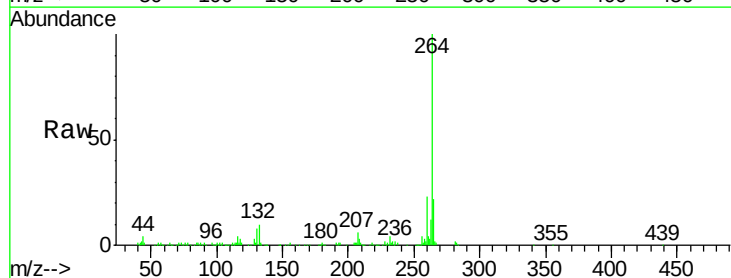
Tgt Ion:264 Resp: 318384

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.1 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

