

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040839.D
 Acq On : 10 May 2019 7:08
 Operator : HP/JU
 Sample : K2764-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-1218-01

Quant Time: May 10 07:45:06 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

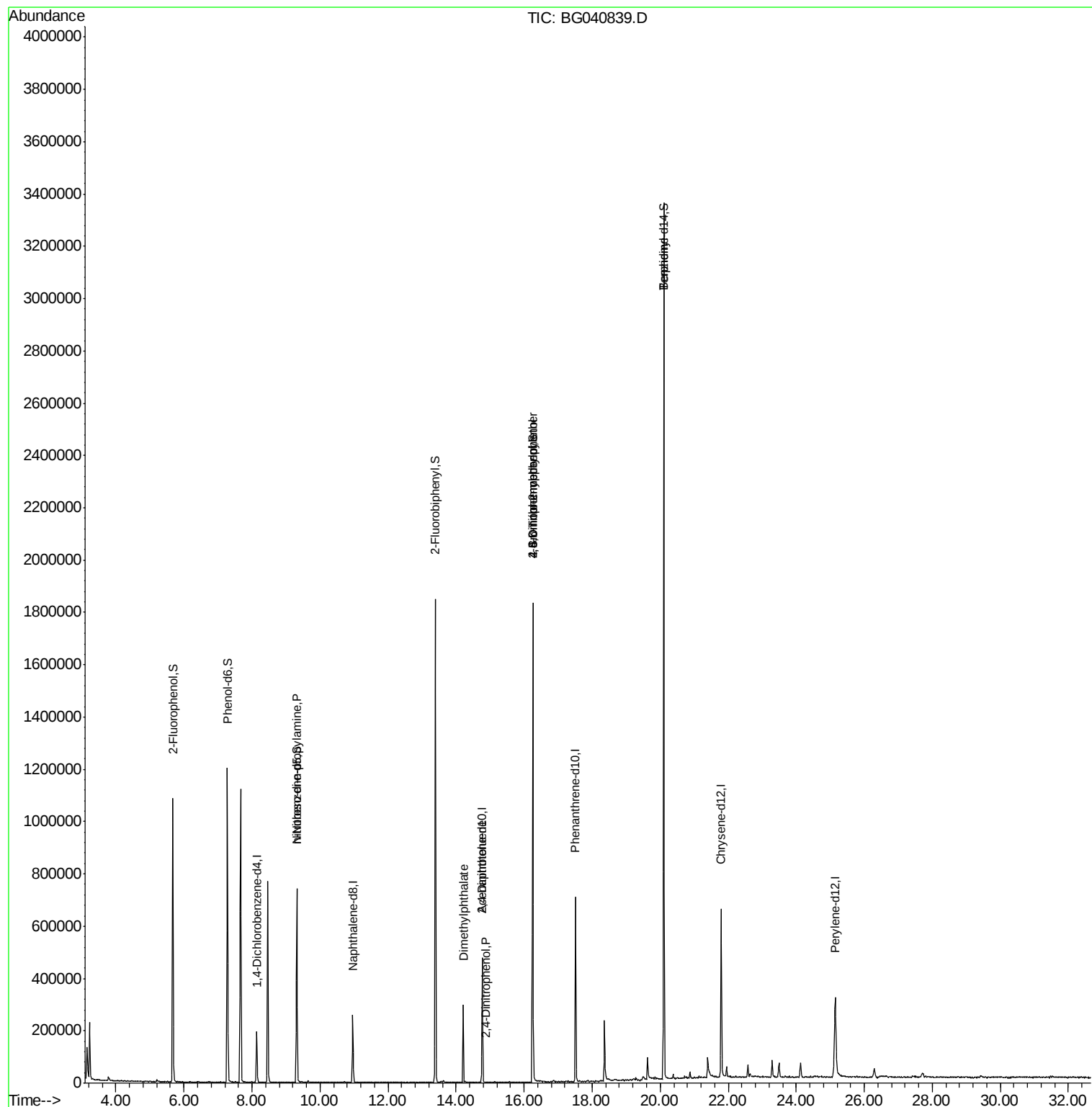
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	48257	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	202756	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	158155	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	419851	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	412095	20.00	ng	-0.03
87) Perylene-d12	25.15	264	404154	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	405374	148.08	ng	-0.01
7) Phenol-d6	7.28	99	625752	148.46	ng	-0.02
23) Nitrobenzene-d5	9.32	82	439294	100.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	335409	154.29	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	895477	81.77	ng	-0.02
79) Terphenyl-d14	20.11	244	1588764	85.41	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1522	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	61652	16.248	ng	# 73
50) Dimethylphthalate	14.21	163	179408	13.558	ng	# 97
54) 2,4-Dinitrophenol	14.87	184	54	7.049	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	20956	5.972	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.25	198	1054	7.535	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	24607	4.704	ng	# 1
77) Benzydine	20.11	184	27395	2.428	ng	96

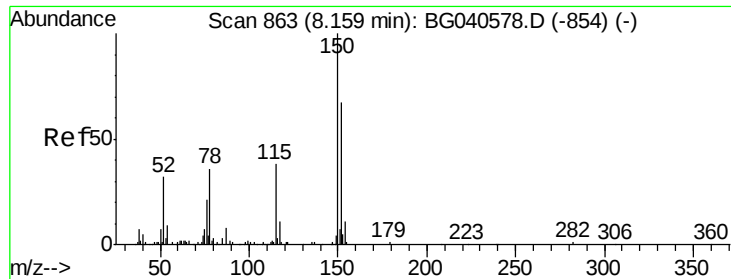
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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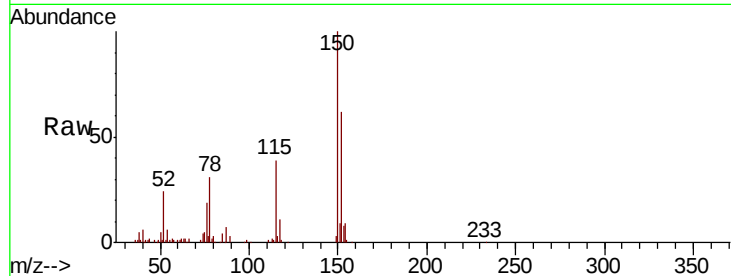


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040839.D
Acq: 10 May 2019 7:08

Instrument :
BNA_G
ClientSampleId :
P021-SS008-1218-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.5	120.2	180.2
115	63.1	46.2	69.2

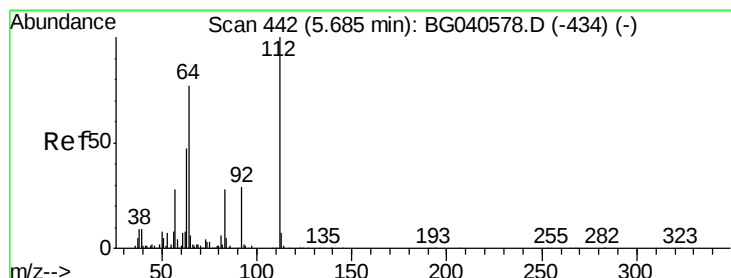
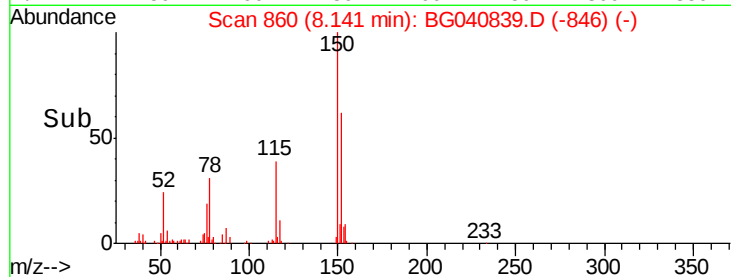
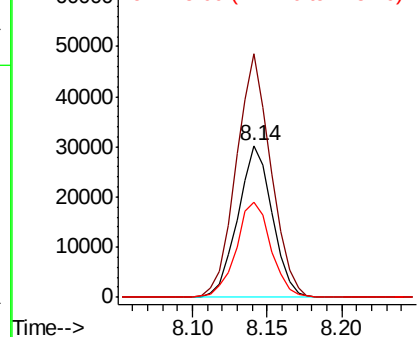


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

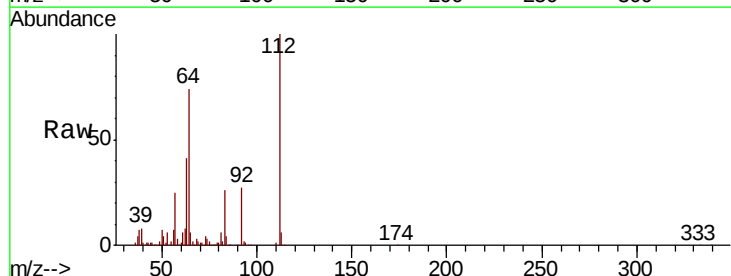
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 148.078 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040839.D
Acq: 10 May 2019 7:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.3	61.4	92.0
63	40.9	37.8	56.6

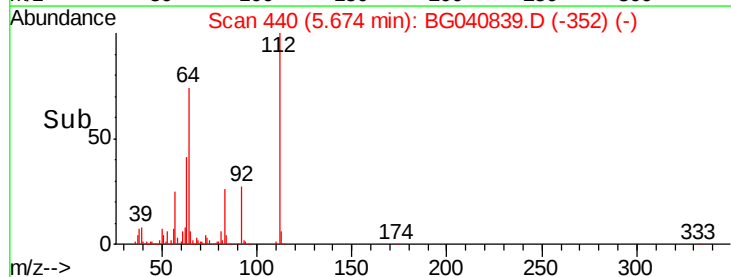
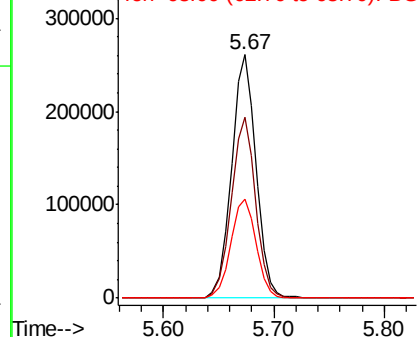


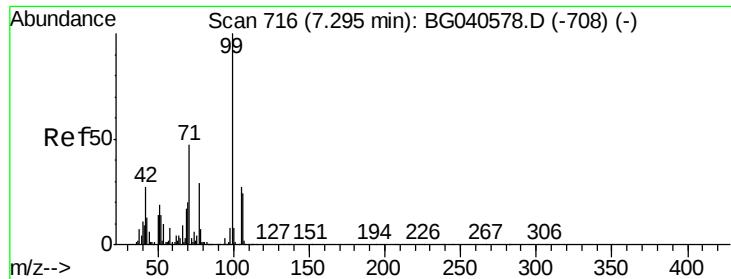
Abundance

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: 148.455 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Instrument :

BNA_G

ClientSampleId :

P021-SS008-1218-01

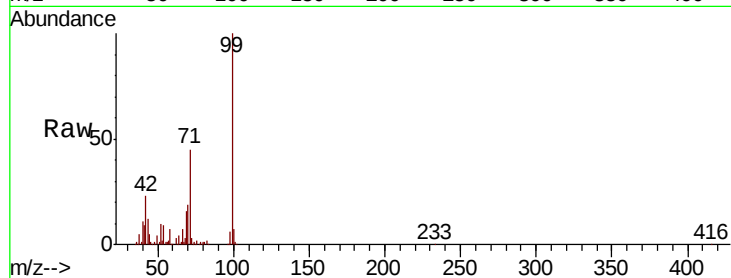
Tgt Ion: 99 Resp: 625752

Ion Ratio Lower Upper

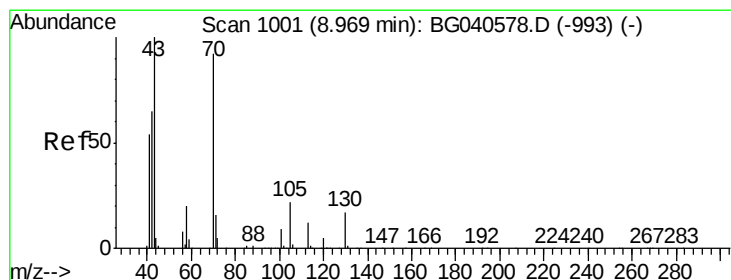
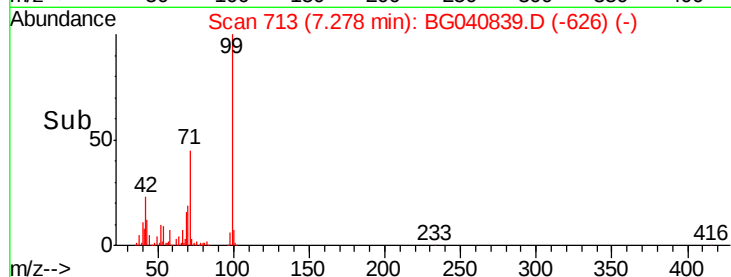
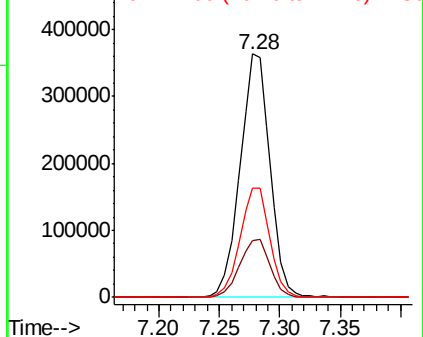
99 100

42 23.3 21.8 32.8

71 45.0 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: 16.248 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Tgt Ion: 70 Resp: 61652

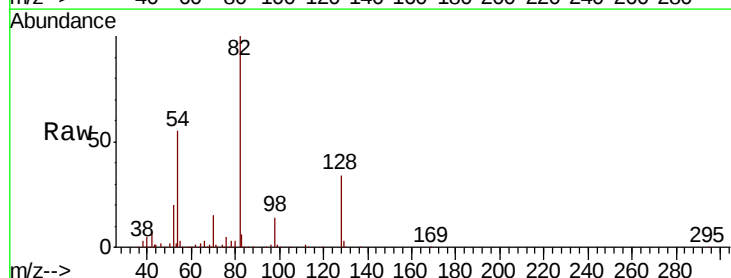
Ion Ratio Lower Upper

70 100

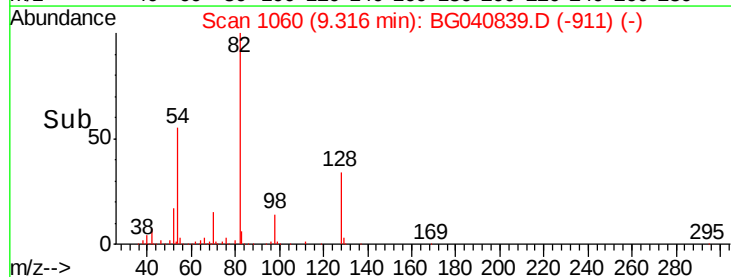
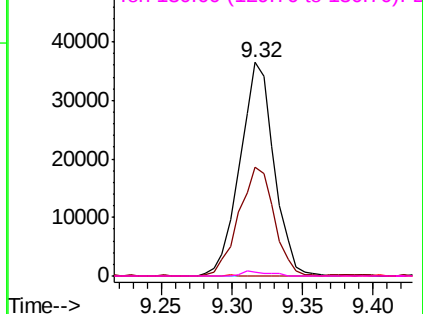
42 51.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 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

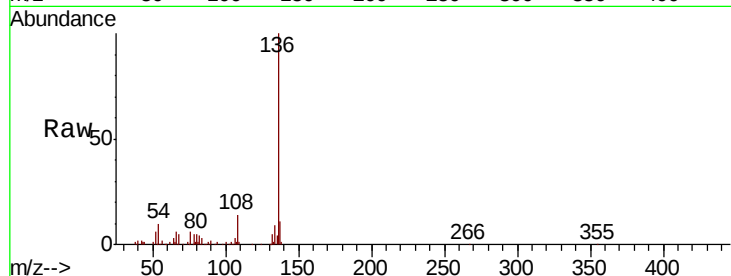




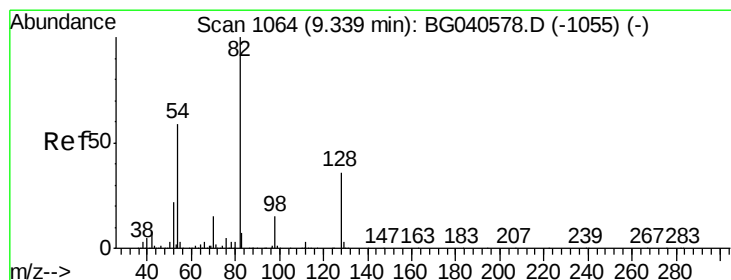
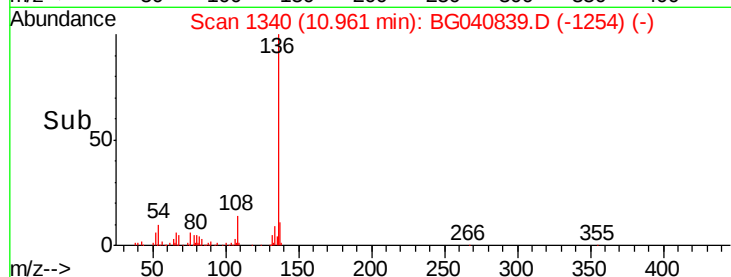
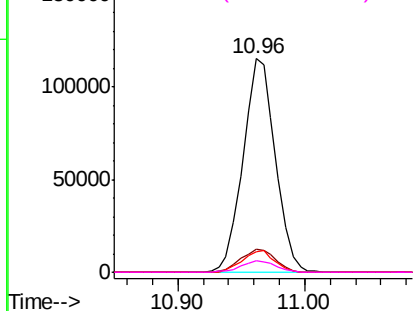
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040839.D
Acq: 10 May 2019 7:08

Instrument :
BNA_G
ClientSampleId :
P021-SS008-1218-01

Tgt Ion:	136	Resp:	202756
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.7	14.5
54	10.1	8.6	12.8
68	5.2	4.8	7.2

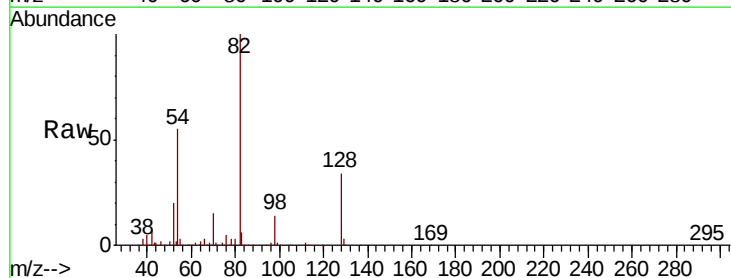


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

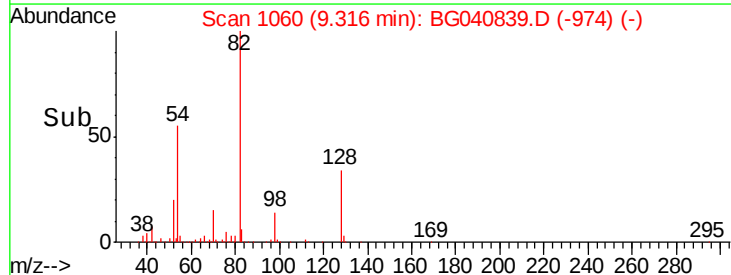
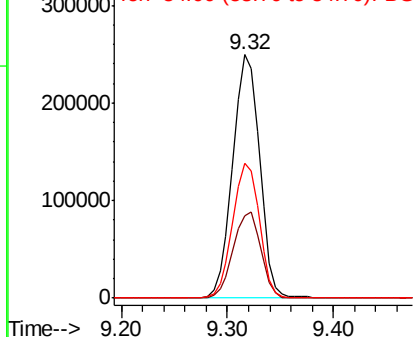


#23
Nitrobenzene-d5
Concen: 100.111 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040839.D
Acq: 10 May 2019 7:08

Tgt Ion:	82	Resp:	439294
Ion	Ratio	Lower	Upper
82	100		
128	34.1	28.9	43.3
54	55.3	47.2	70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

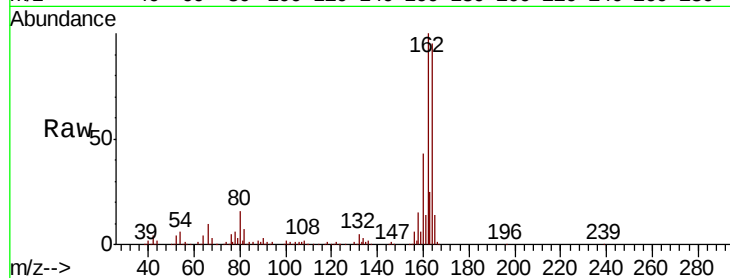
Instrument :

BNA_G

ClientSampleId :

P021-SS008-1218-01

Tgt Ion:	164	Resp:	158155
Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.9	122.9
160	44.9	35.4	53.2

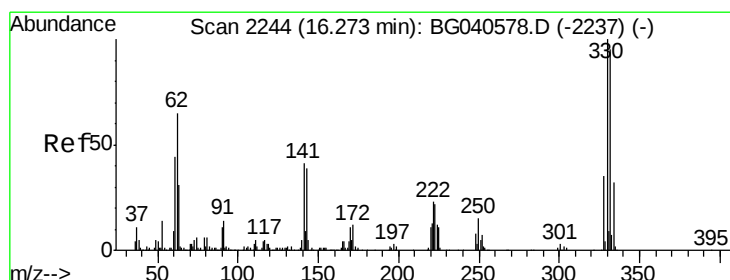
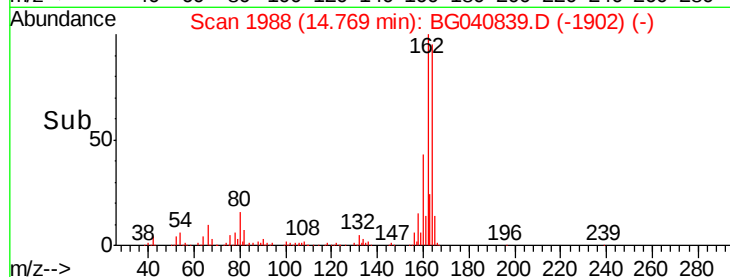
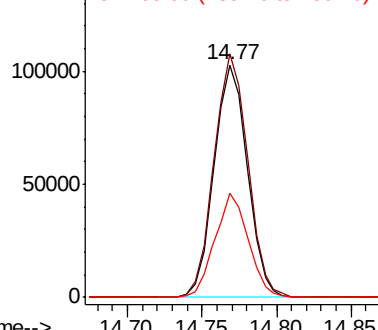


Abundance

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: 154.291 ng

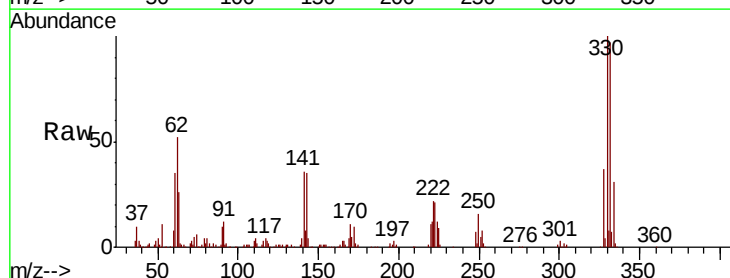
RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Tgt Ion:	330	Resp:	335409
Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.9	113.9
141	36.9	32.4	48.6

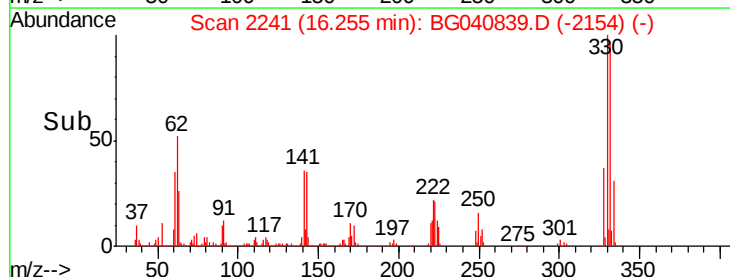
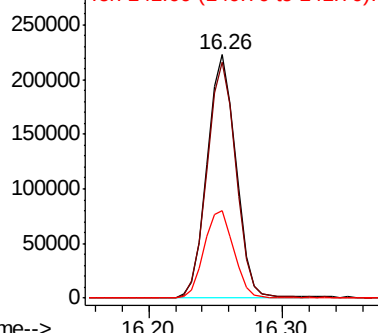


Abundance

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

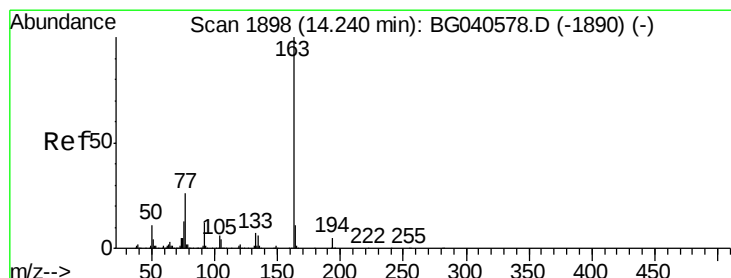
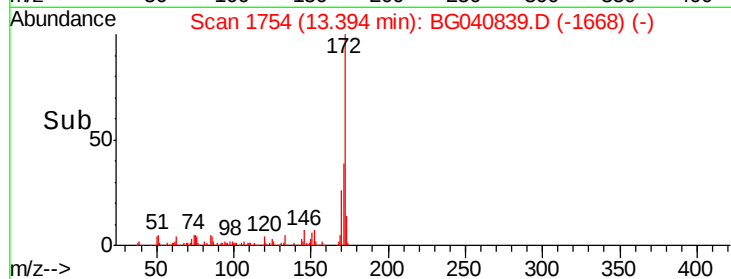
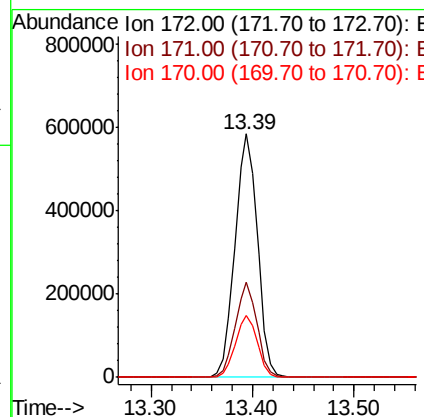
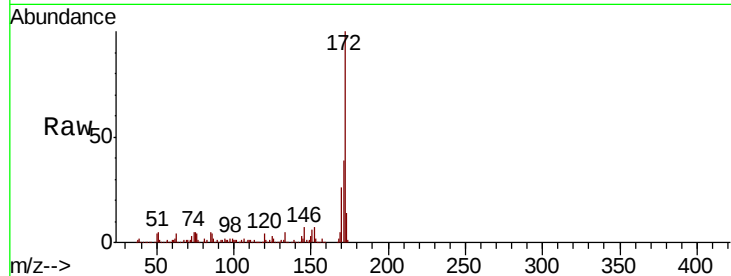




#45
 2-Fluorobiphenyl
 Concen: 81.771 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040839.D
 Acq: 10 May 2019 7:08

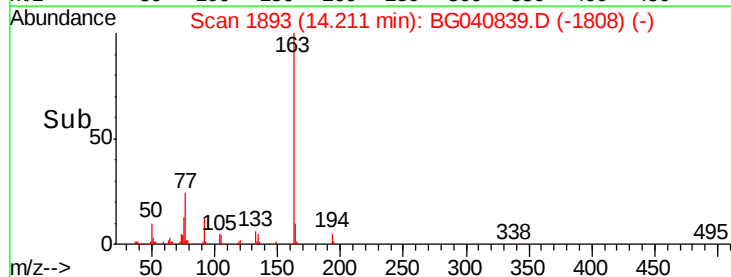
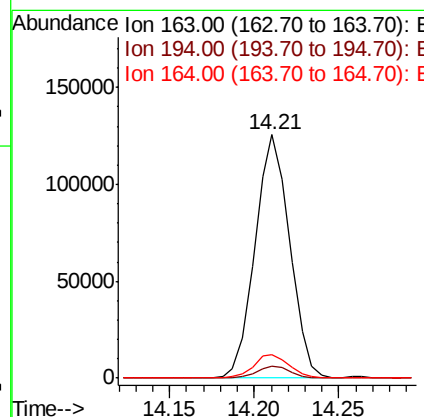
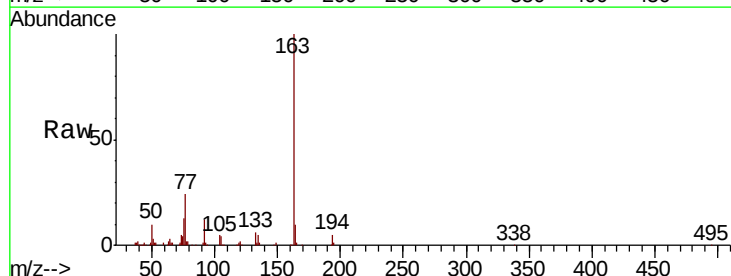
Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-1218-01

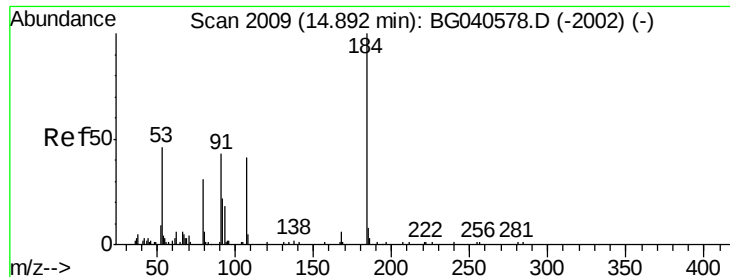
Tgt Ion:	172	Resp:	895477
Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.4	44.2
170	25.6	19.9	29.9



#50
 Dimethylphthalate
 Concen: 13.558 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040839.D
 Acq: 10 May 2019 7:08

Tgt Ion:	163	Resp:	179408
Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.8	5.8
164	9.6	8.8	13.2





#54

2,4-Dinitrophenol

Concen: 7.049 ng

RT: 14.87 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Instrument :

BNA_G

ClientSampleId :

P021-SS008-1218-01

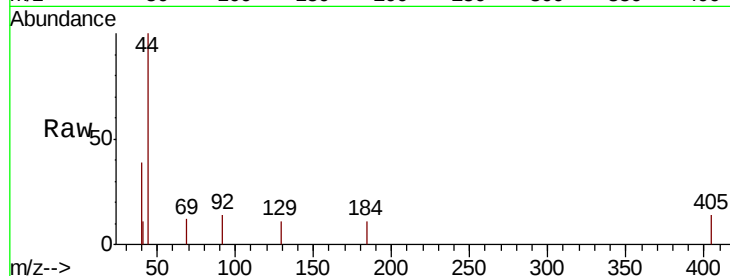
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

154 0.0 43.6 65.4#

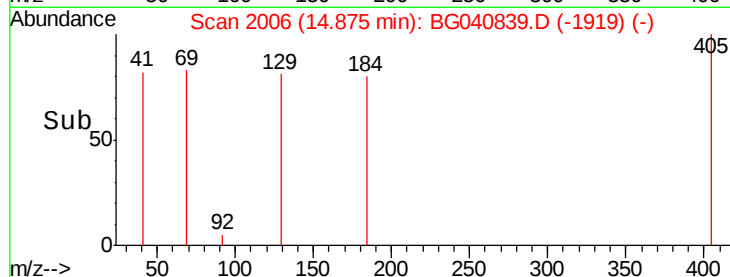


Abundance Ion 184.00 (183.70 to 184.70): E

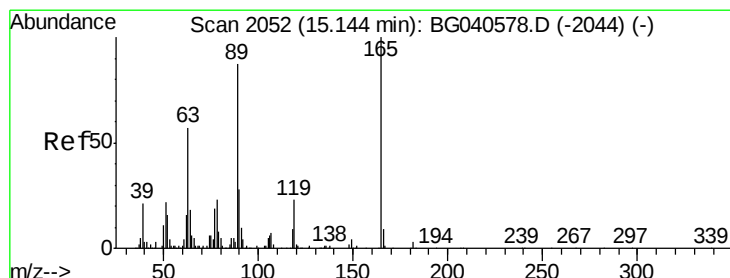
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.87



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.972 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Tgt Ion:165 Resp: 20956

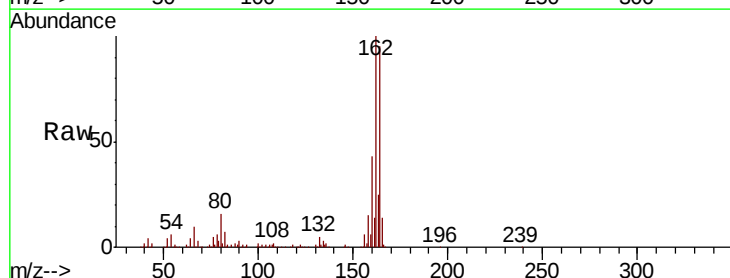
Ion Ratio Lower Upper

165 100

63 1.8 45.8 68.8#

89 4.1 69.4 104.2#

182 0.0 2.2 3.4#



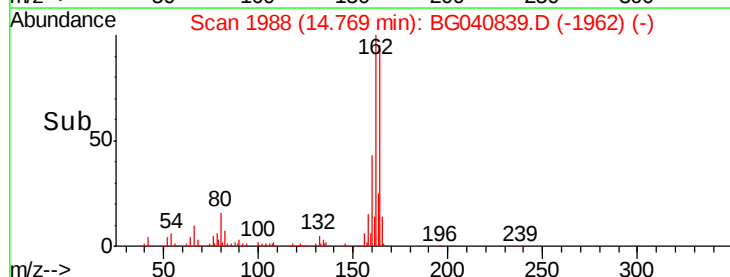
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

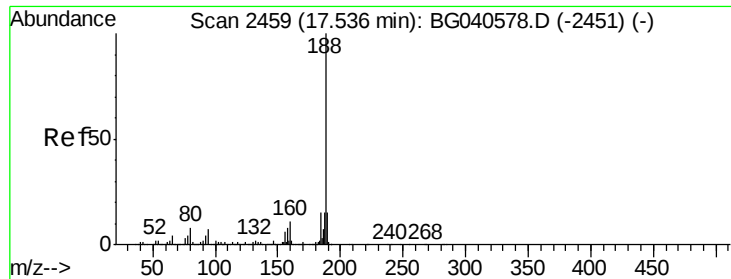
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.77



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Instrument :

BNA_G

ClientSampleId :

P021-SS008-1218-01

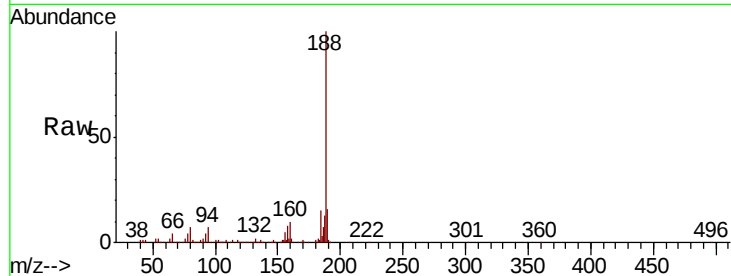
Tgt Ion:188 Resp: 419851

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

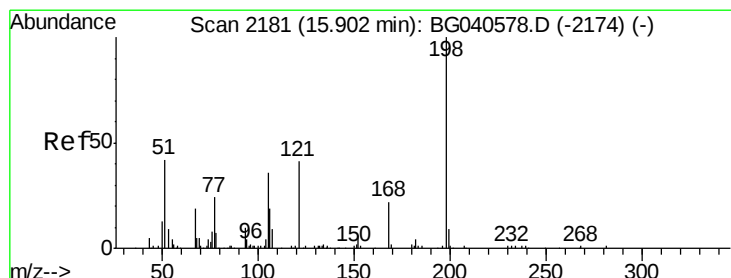
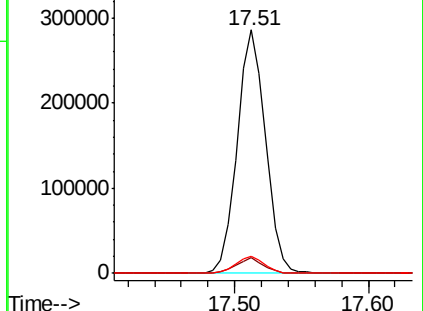
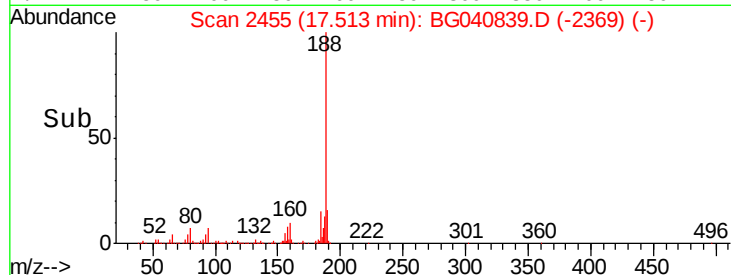
80 7.1 6.4 9.6



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: 7.535 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

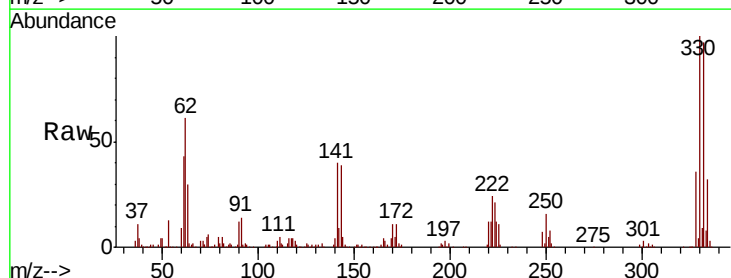
Tgt Ion:198 Resp: 1054

Ion Ratio Lower Upper

198 100

51 105.5 35.9 75.9#

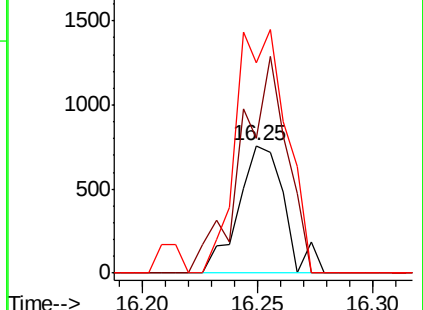
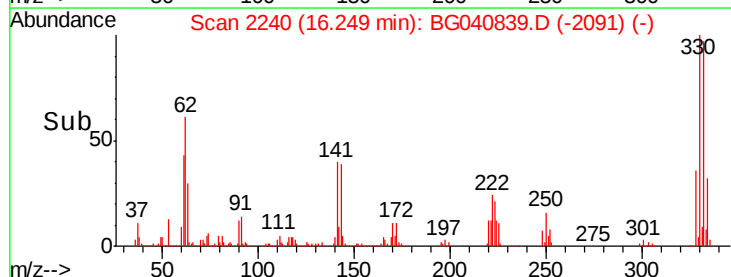
105 165.2 21.2 61.2#

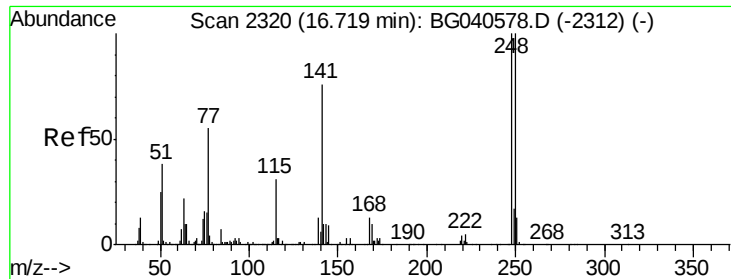


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

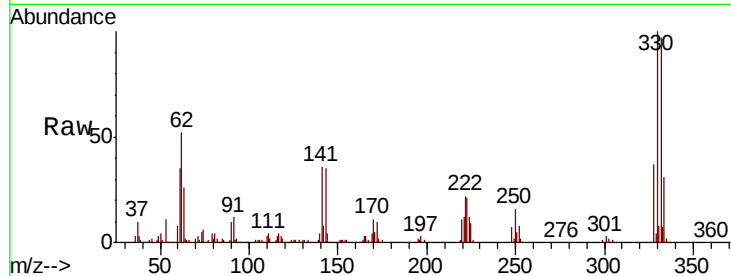




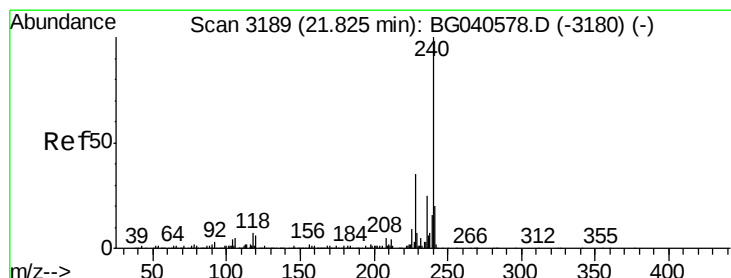
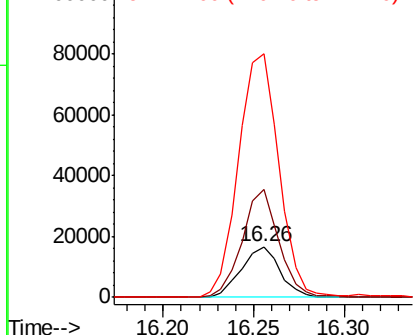
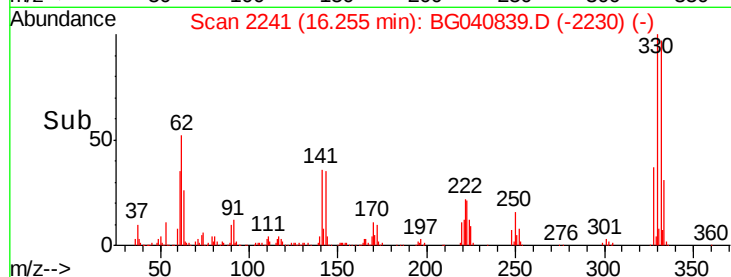
#67
 4-Bromophenyl-phenylether
 Concen: 4.704 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040839.D
 Acq: 10 May 2019 7:08

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-1218-01

Tgt Ion:248 Resp: 24607
 Ion Ratio Lower Upper
 248 100
 250 215.2 79.8 119.6#
 141 484.0 60.8 91.2#

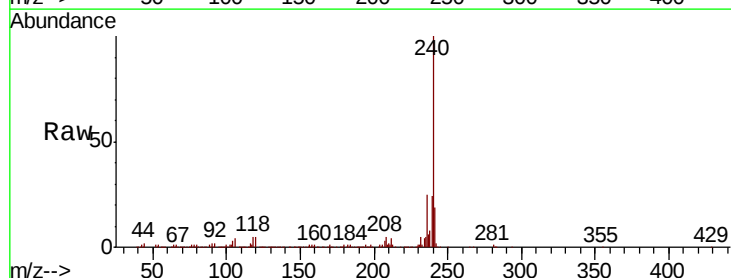


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

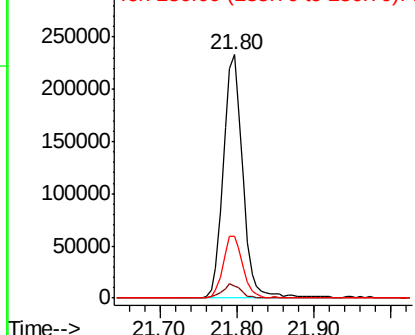
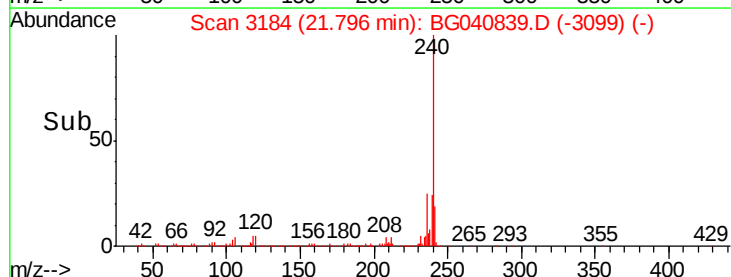


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040839.D
 Acq: 10 May 2019 7:08

Tgt Ion:240 Resp: 412095
 Ion Ratio Lower Upper
 240 100
 120 4.8 5.0 7.6#
 236 25.3 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: 2.428 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

Instrument :

BNA_G

ClientSampleId :

P021-SS008-1218-01

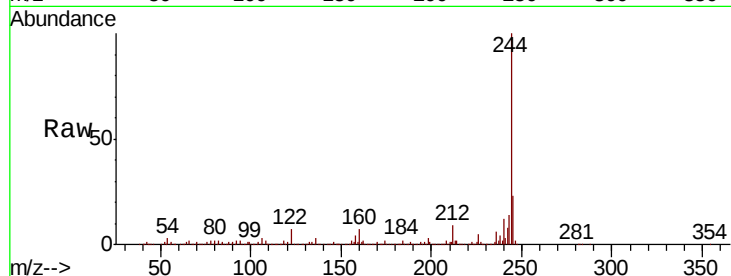
Tgt Ion:184 Resp: 27395

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.8

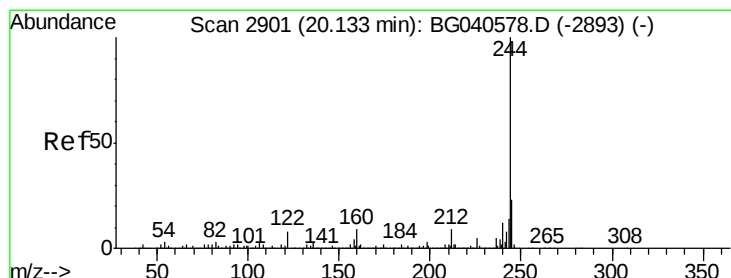
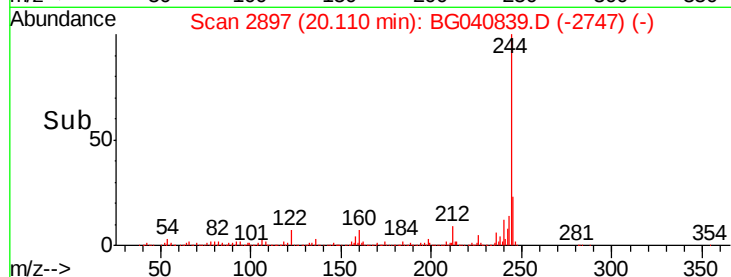
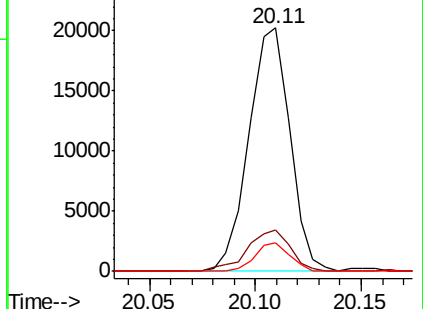
183 11.9 10.2 15.2



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: 85.412 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040839.D

Acq: 10 May 2019 7:08

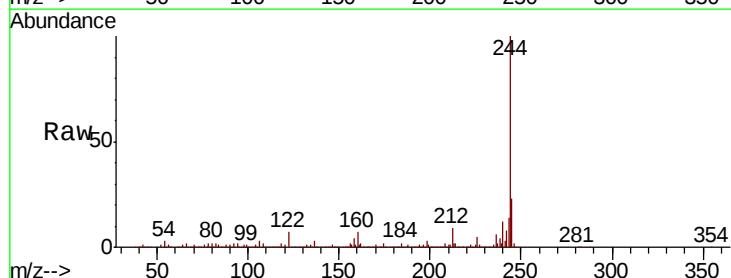
Tgt Ion:244 Resp: 1588764

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

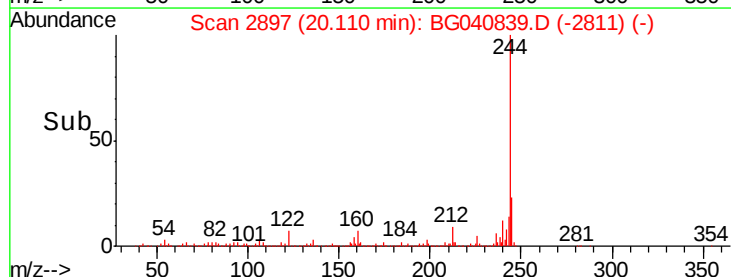
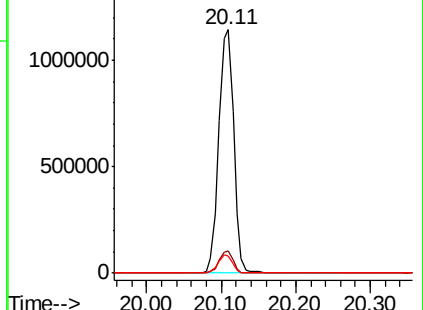
122 7.1 6.6 10.0

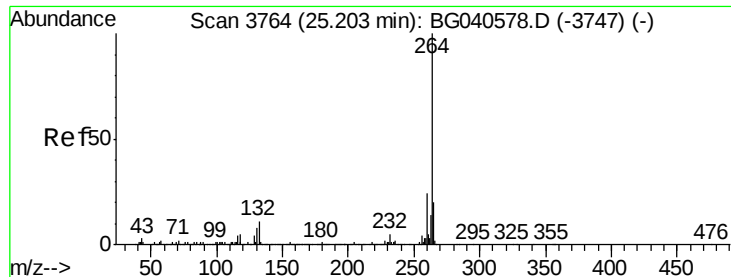


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040839.D
 Acq: 10 May 2019 7:08

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-1218-01

Tgt Ion:	264	Resp:	404154
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	16.6	25.0

