

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
 Data File : BG039979.D
 Acq On : 18 Mar 2019 21:15
 Operator : JU/SJ
 Sample : K1903-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Quant Time: Mar 19 07:50:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

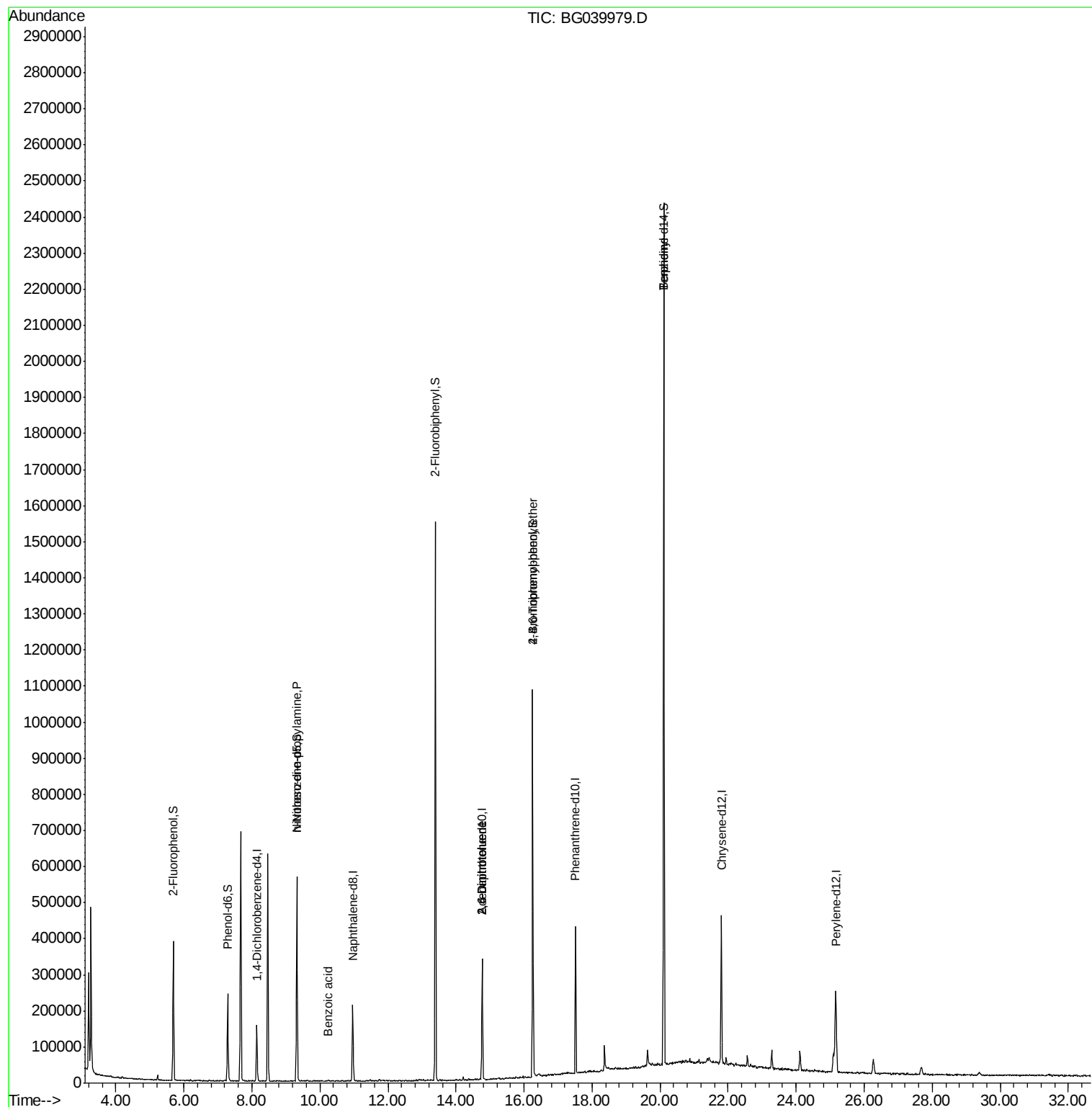
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43120	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	177192	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	115548	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	253338	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	254907	20.00	ng	-0.03
87) Perylene-d12	25.17	264	260935	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	155650	61.58	ng	-0.02
7) Phenol-d6	7.28	99	139499	37.02	ng	-0.03
23) Nitrobenzene-d5	9.32	82	332238	101.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	185207	137.52	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	788133	97.12	ng	-0.02
79) Terphenyl-d14	20.11	244	1071429	92.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	44205	16.296	ng	# 69
32) Benzoic acid	10.23	122	445	6.815	ng	# 78
51) 2,6-Dinitrotoluene	14.77	165	14703	7.178	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	14703	5.109	ng	# 19
67) 4-Bromophenyl-phenylether	16.25	248	14581	5.142	ng	# 1
77) Benzidine	20.11	184	21413	2.647	ng	# 90

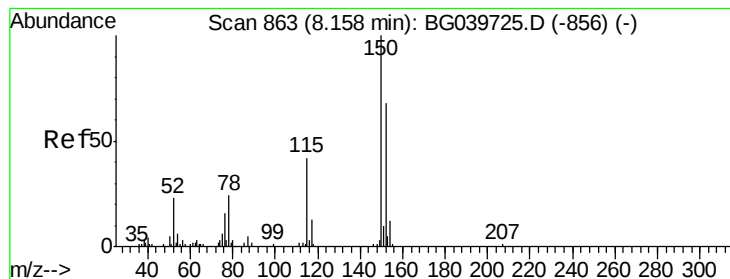
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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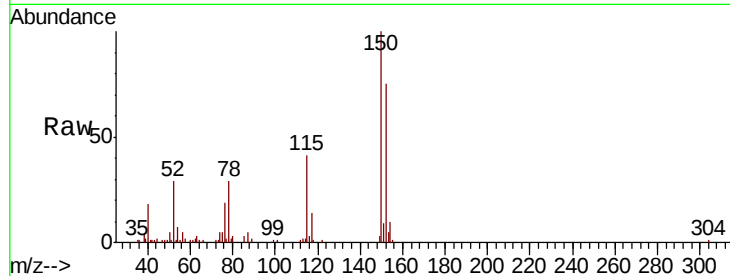


#1

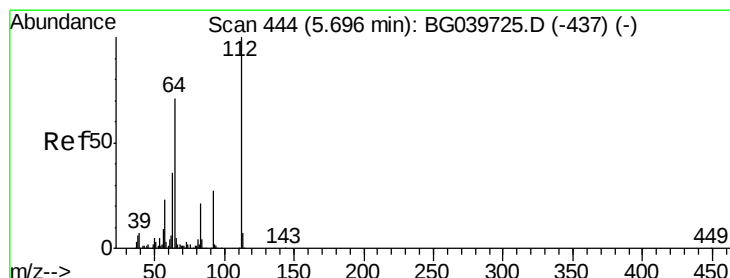
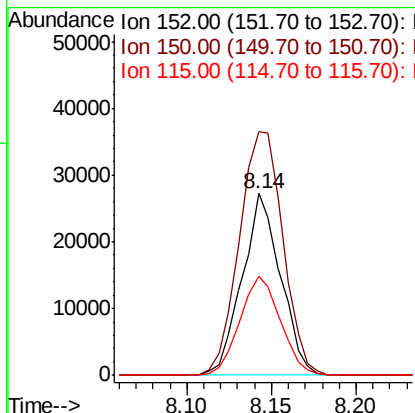
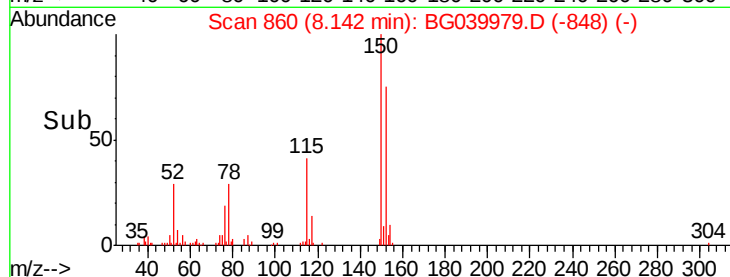
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BG039979.D
 Acq: 18 Mar 2019 21:15

Instrument :
 BNA_G
 ClientSampled :
 TW-1

Tgt Ion:152 Resp: 43120
 Ion Ratio Lower Upper
 152 100
 150 133.8 123.7 185.5
 115 54.3 45.9 68.9



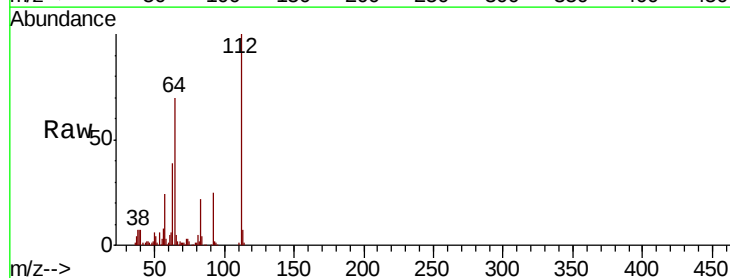
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



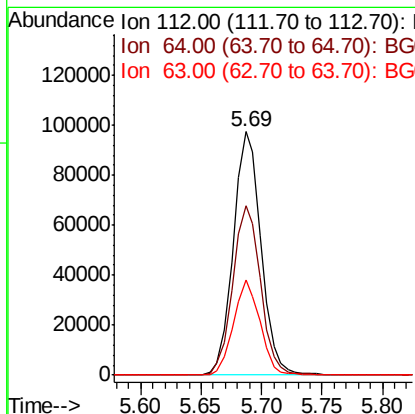
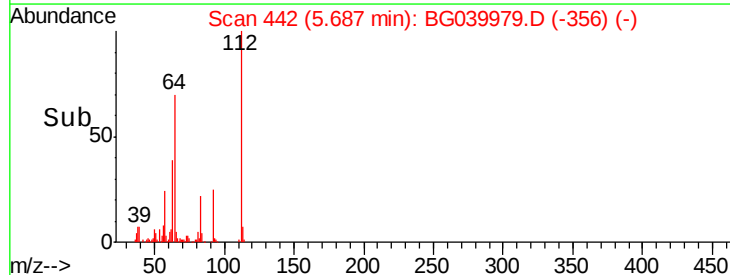
#5

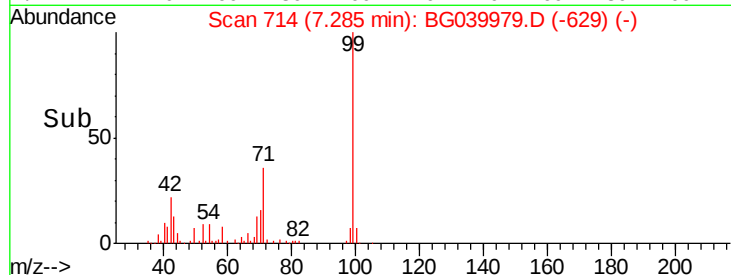
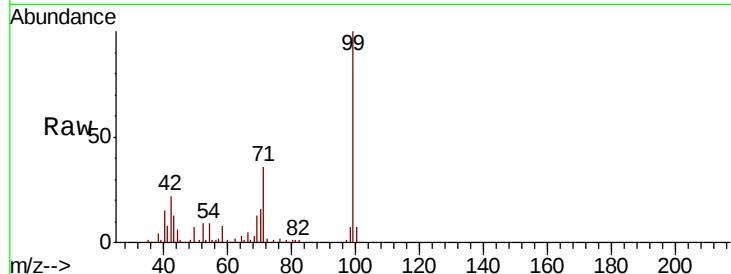
2-Fluorophenol
 Concen: 61.582 ng
 RT: 5.69 min Scan# 442
 Delta R.T. -0.02 min
 Lab File: BG039979.D
 Acq: 18 Mar 2019 21:15

Tgt Ion:112 Resp: 155650
 Ion Ratio Lower Upper
 112 100
 64 69.6 57.8 86.8
 63 39.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 37.015 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Instrument :

BNA_G

ClientSampled :

TW-1

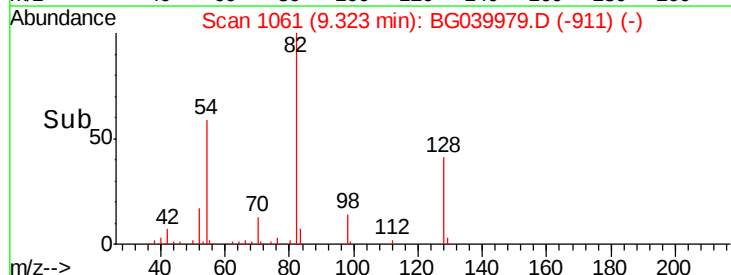
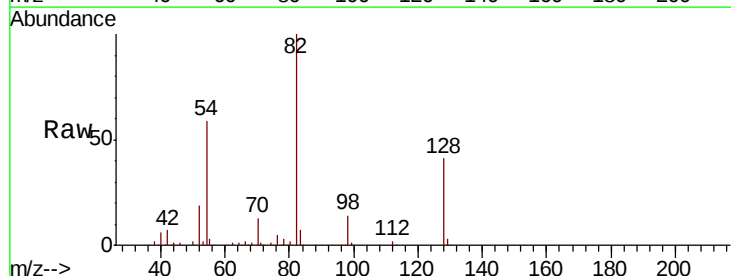
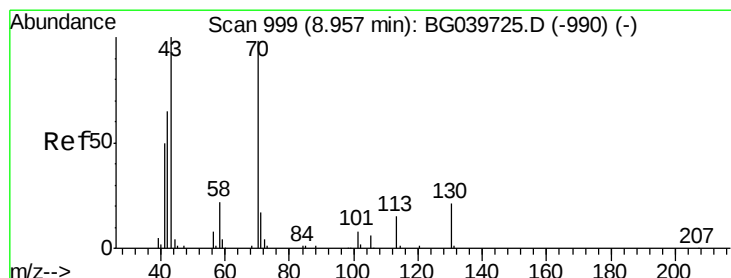
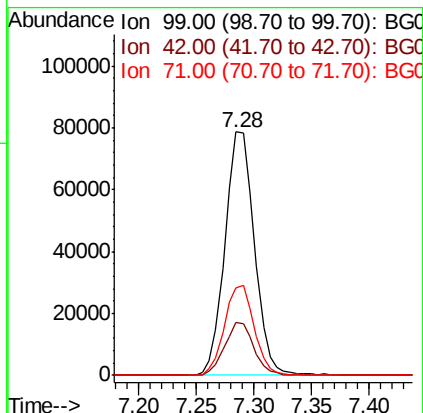
Tgt Ion: 99 Resp: 139499

Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.2

71 35.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.296 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Tgt Ion: 70 Resp: 44205

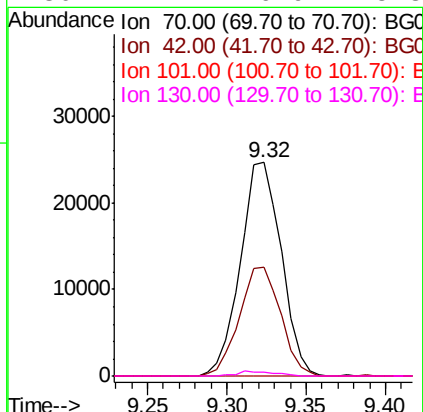
Ion Ratio Lower Upper

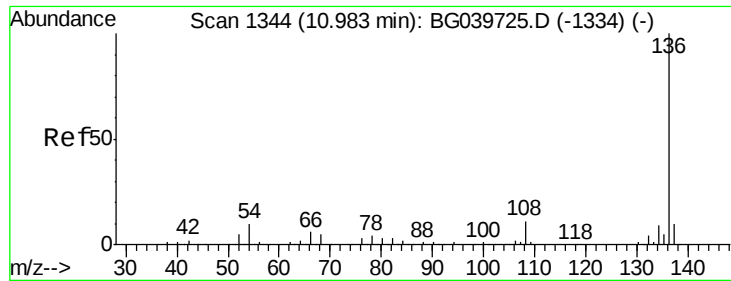
70 100

42 51.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

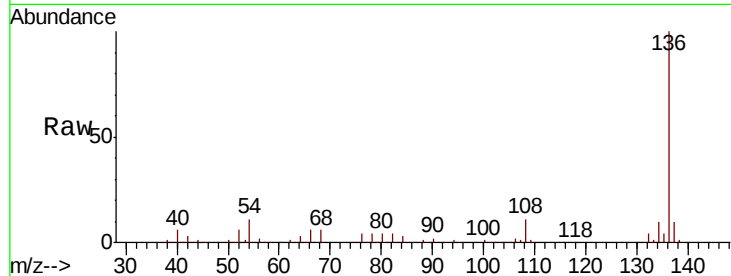




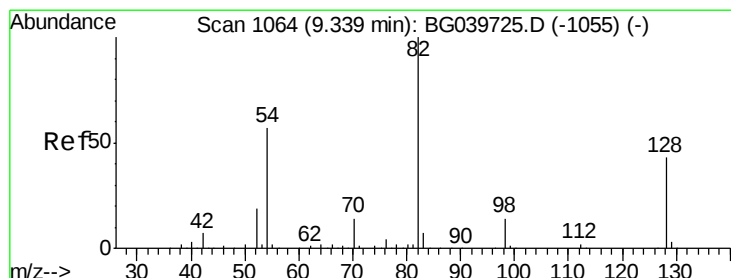
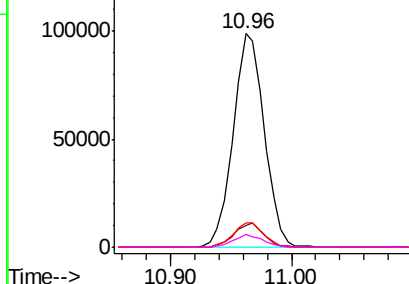
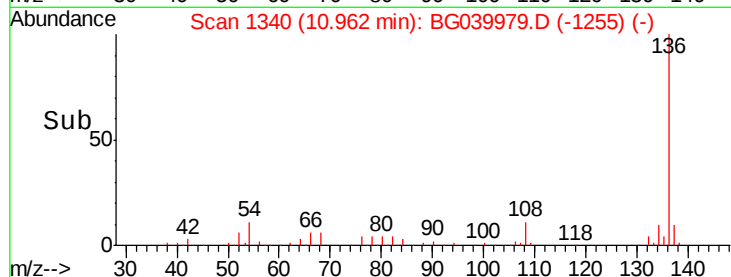
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG039979.D
Acq: 18 Mar 2019 21:15

Instrument :
BNA_G
ClientSampleId :
TW-1

Tgt Ion:	136	Resp:	177192
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.2	9.4	14.2
68	5.9	4.2	6.4

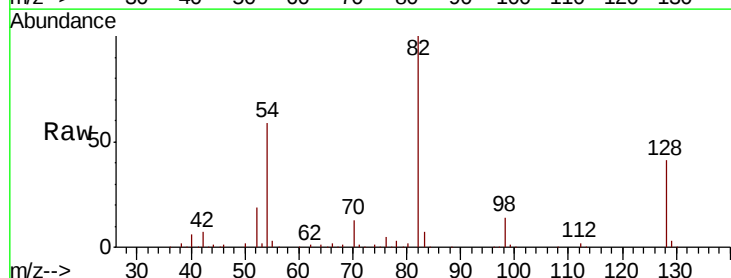


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

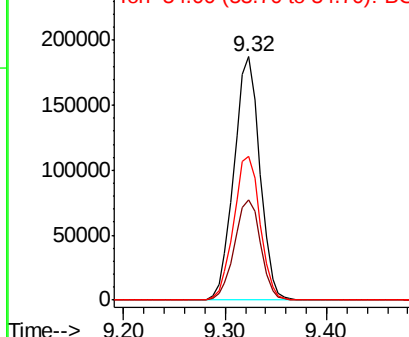
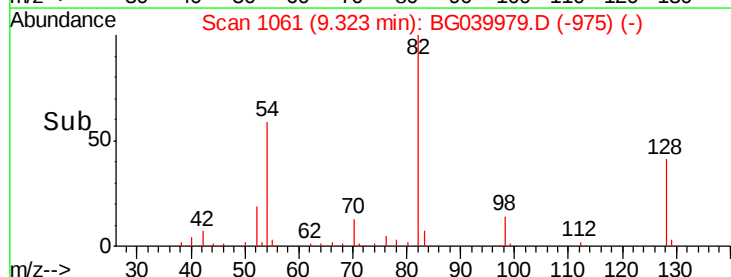


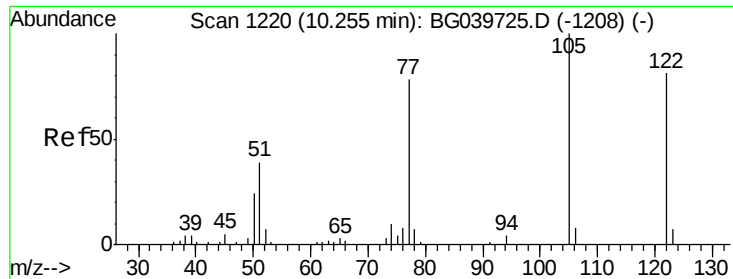
#23
Nitrobenzene-d5
Concen: 101.408 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039979.D
Acq: 18 Mar 2019 21:15

Tgt Ion:	82	Resp:	332238
Ion	Ratio	Lower	Upper
82	100		
128	41.4	31.3	46.9
54	59.2	50.9	76.3



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





#32

Benzoic acid

Concen: 6.815 ng

RT: 10.23 min Scan# 1216

Delta R.T. -0.03 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Instrument :

BNA_G

ClientSampled :

TW-1

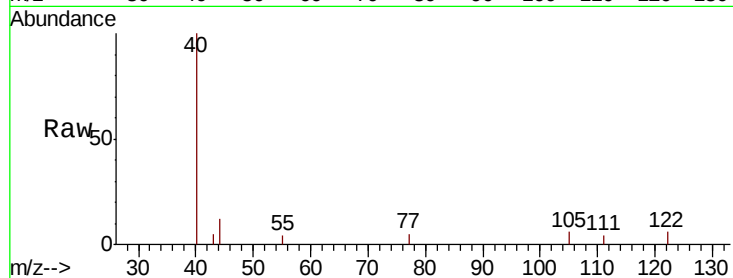
Tgt Ion:122 Resp: 445

Ion Ratio Lower Upper

122 100

105 92.9 101.8 141.8#

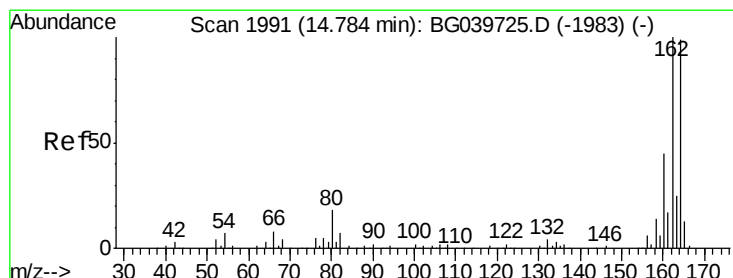
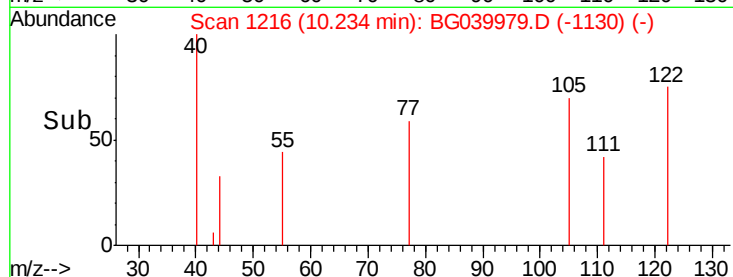
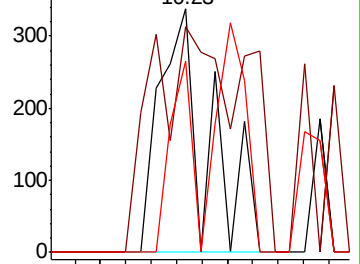
77 78.4 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

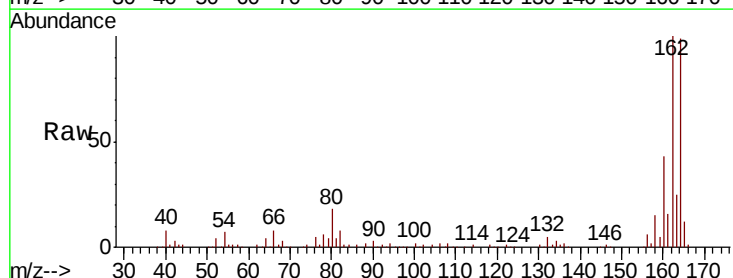
Tgt Ion:164 Resp: 115548

Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

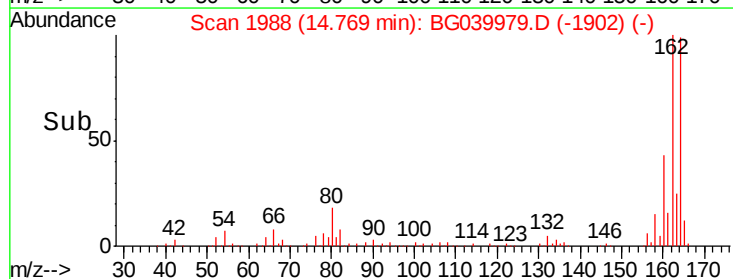
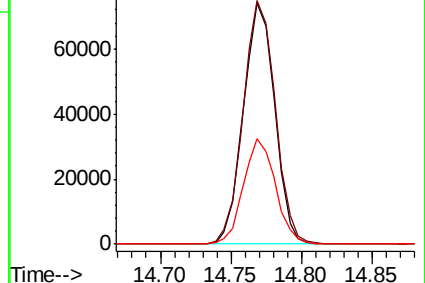
160 44.0 34.2 51.2

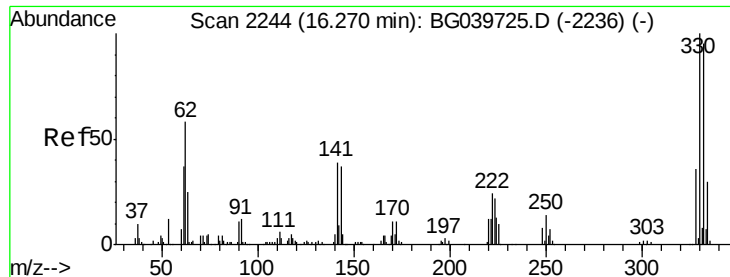


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 137.517 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Instrument :

BNA_G

ClientSampleId :

TW-1

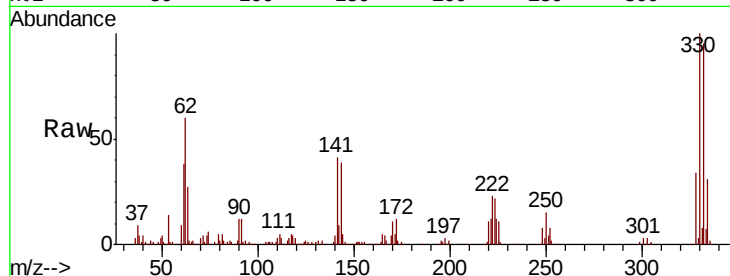
Tgt Ion:330 Resp: 185207

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

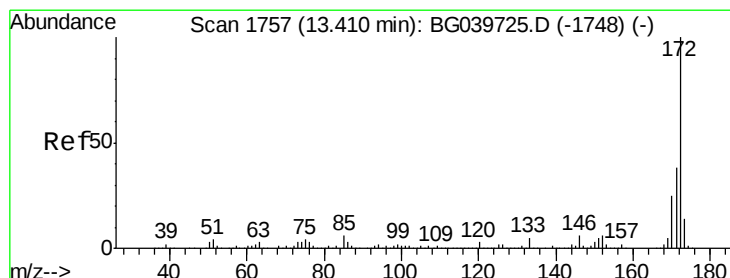
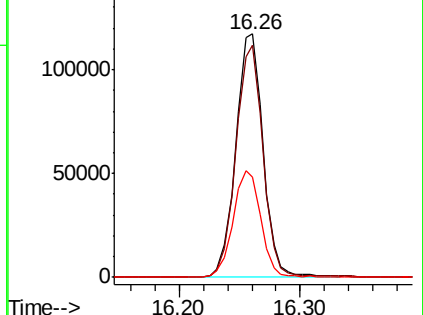
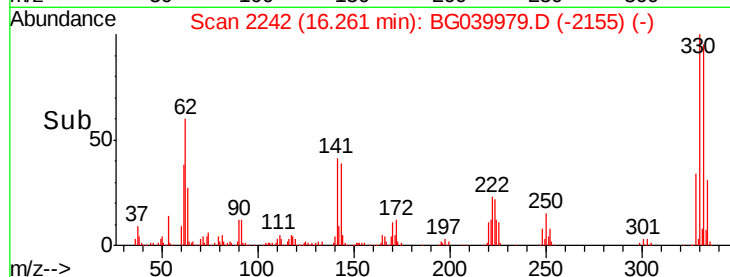
141 44.4 35.6 53.4



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: 97.117 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

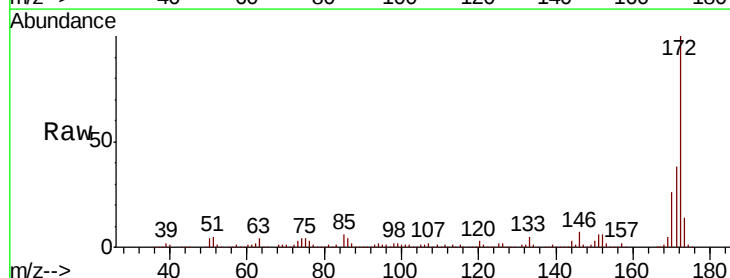
Tgt Ion:172 Resp: 788133

Ion Ratio Lower Upper

172 100

171 38.0 30.8 46.2

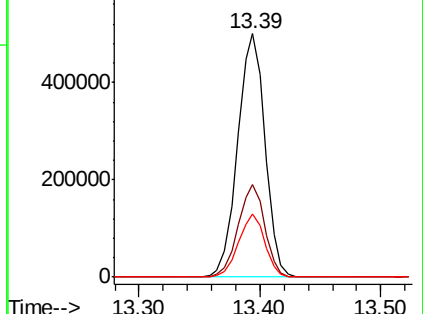
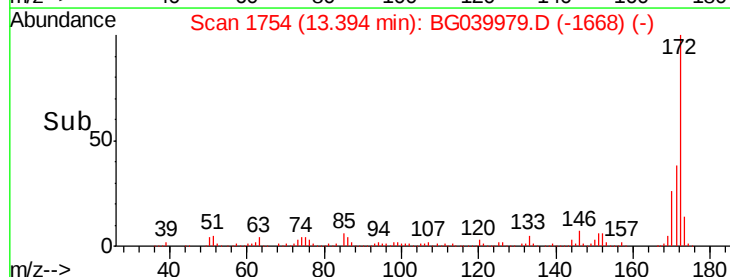
170 25.8 20.2 30.4

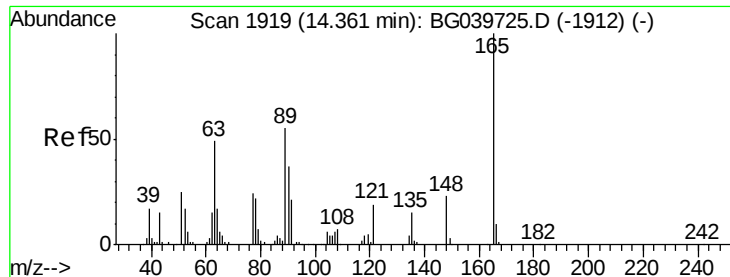


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

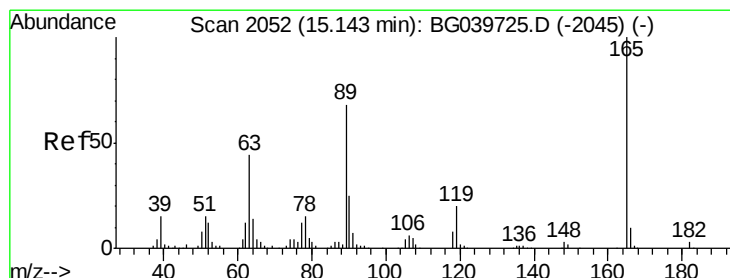
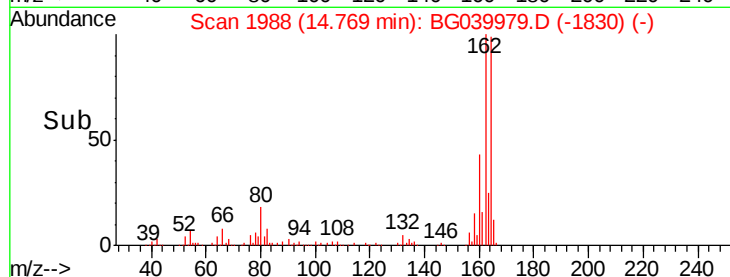
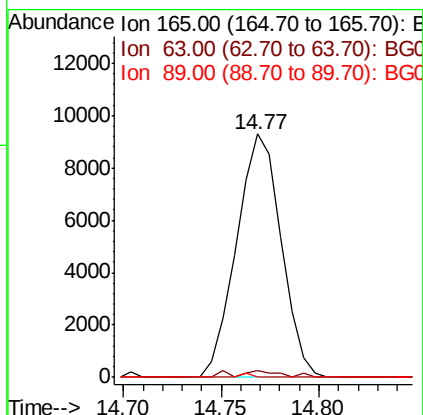
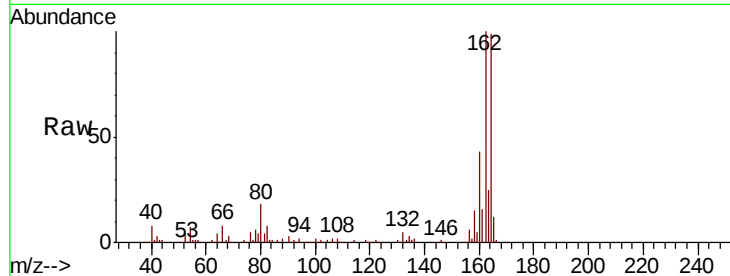




#51
 2,6-Dinitrotoluene
 Concen: 7.178 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG039979.D
 Acq: 18 Mar 2019 21:15

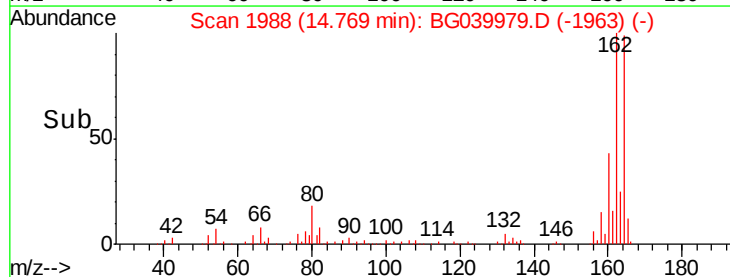
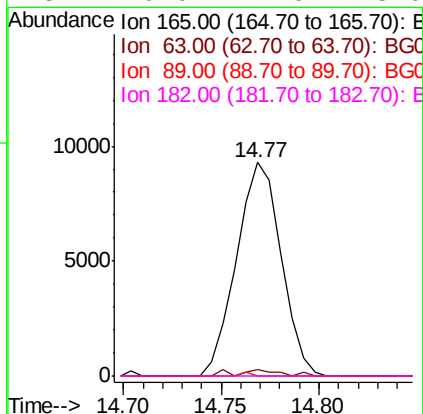
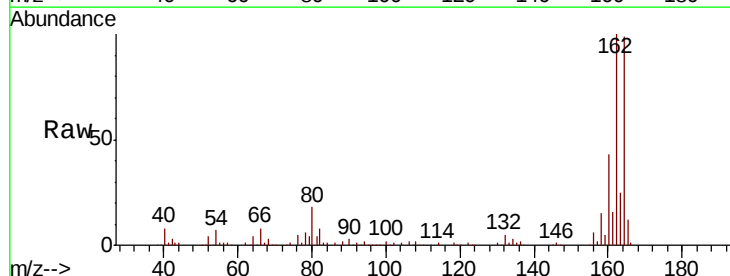
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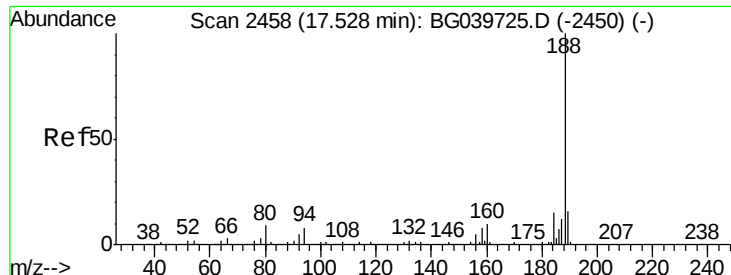
Tgt Ion:165 Resp: 14703
 Ion Ratio Lower Upper
 165 100
 63 2.8 47.0 70.6#
 89 0.0 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.109 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG039979.D
 Acq: 18 Mar 2019 21:15

Tgt Ion:165 Resp: 14703
 Ion Ratio Lower Upper
 165 100
 63 2.8 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Instrument :

BNA_G

ClientSampleId :

TW-1

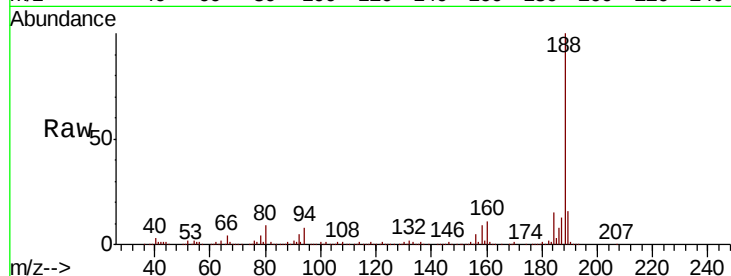
Tgt Ion:188 Resp: 253338

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

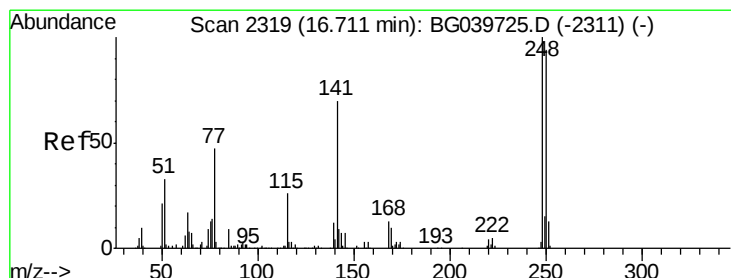
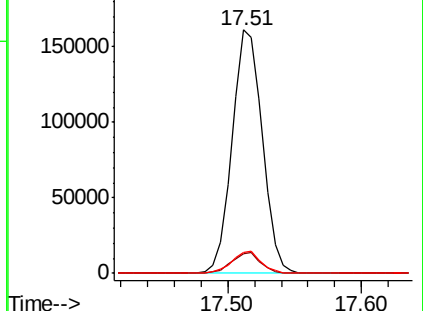
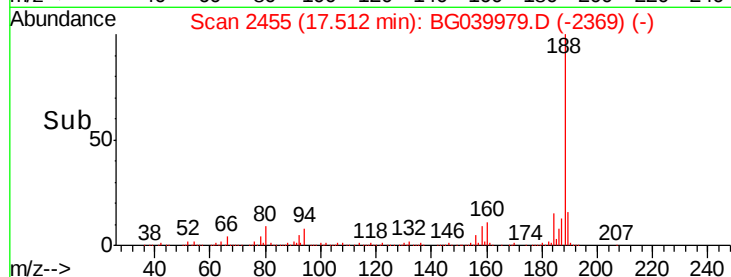
80 8.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.142 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

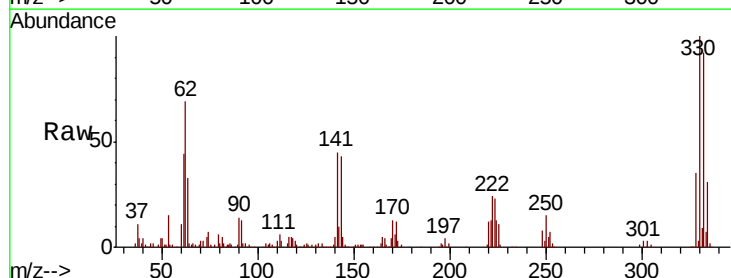
Tgt Ion:248 Resp: 14581

Ion Ratio Lower Upper

248 100

250 189.3 77.6 116.4#

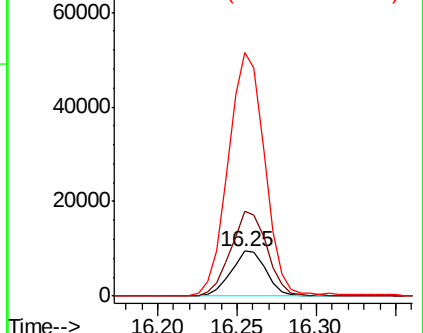
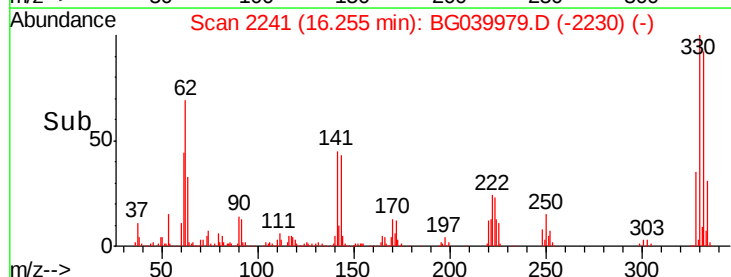
141 545.1 63.9 95.9#

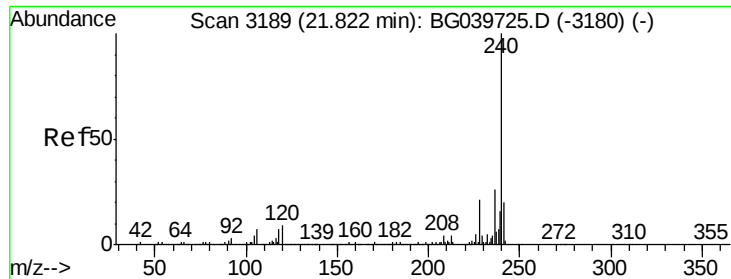


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

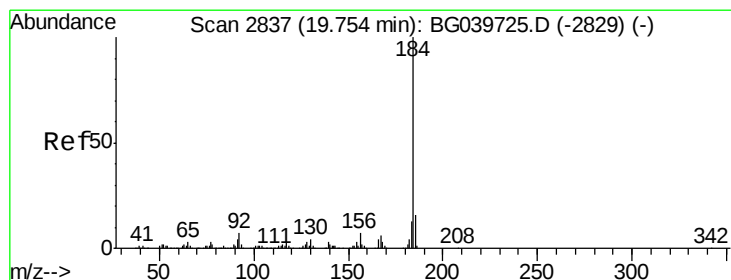
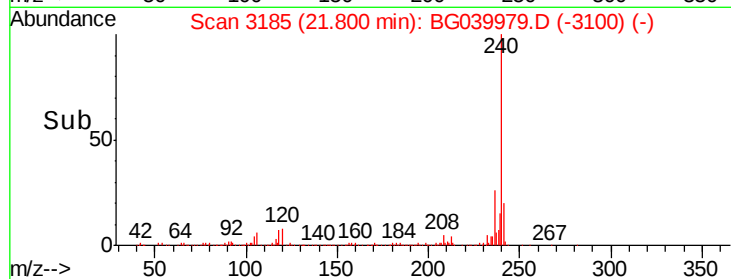
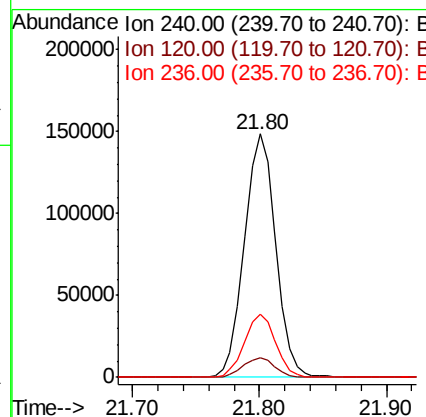
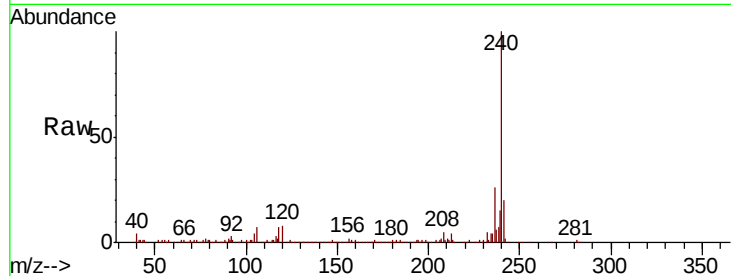




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG039979.D
Acq: 18 Mar 2019 21:15

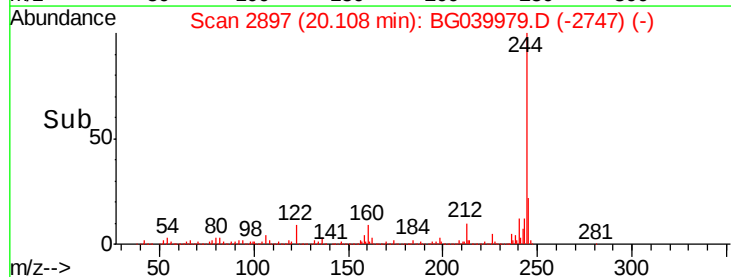
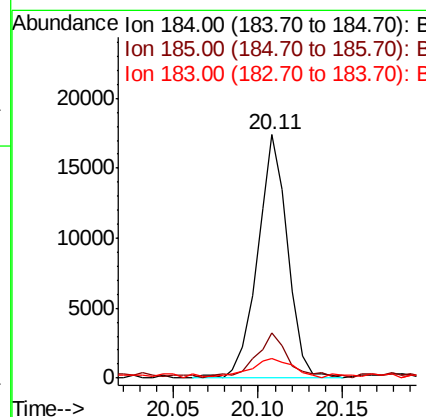
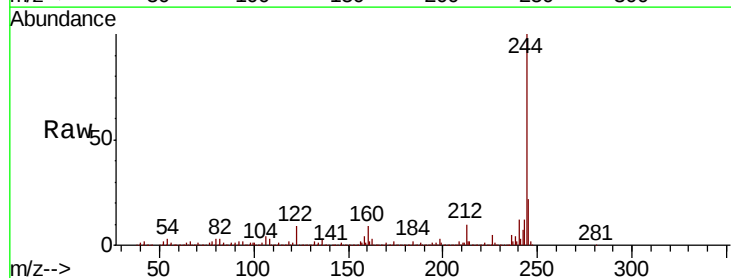
Instrument :
BNA_G
ClientSampleId :
TW-1

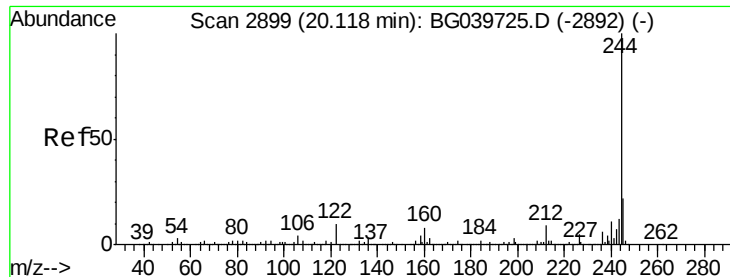
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.0	10.6
236	25.7	21.0	31.4



#77
Benzidine
Concen: 2.647 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG039979.D
Acq: 18 Mar 2019 21:15

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.6	12.2	18.2#
183	8.3	10.6	15.8#





#79

Terphenyl-d14

Concen: 92.547 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

Instrument :

BNA_G

ClientSampled :

TW-1

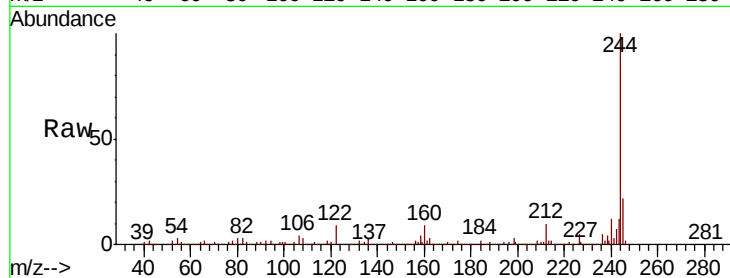
Tgt Ion:244 Resp: 1071429

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

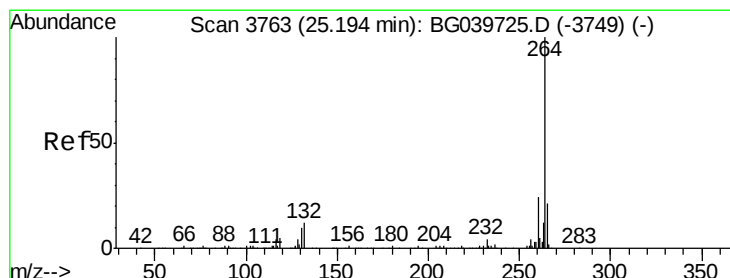
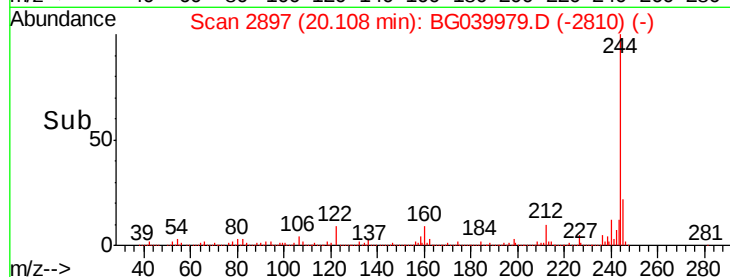
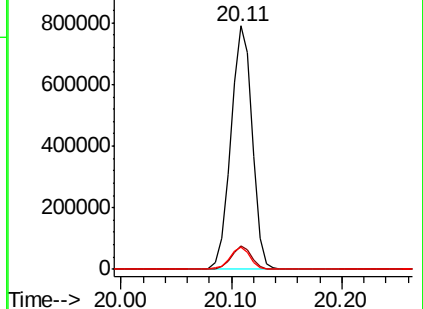
122 9.1 8.4 12.6



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: 25.17 min Scan# 3758

Delta R.T. -0.03 min

Lab File: BG039979.D

Acq: 18 Mar 2019 21:15

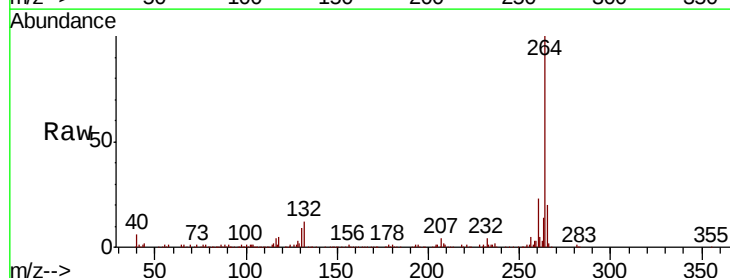
Tgt Ion:264 Resp: 260935

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 20.1 18.5 27.7



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

