

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
 Data File : BG040023.D
 Acq On : 20 Mar 2019 4:36
 Operator : JU/SJ
 Sample : PB118056TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB118056TB

Quant Time: Mar 20 05:45:56 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

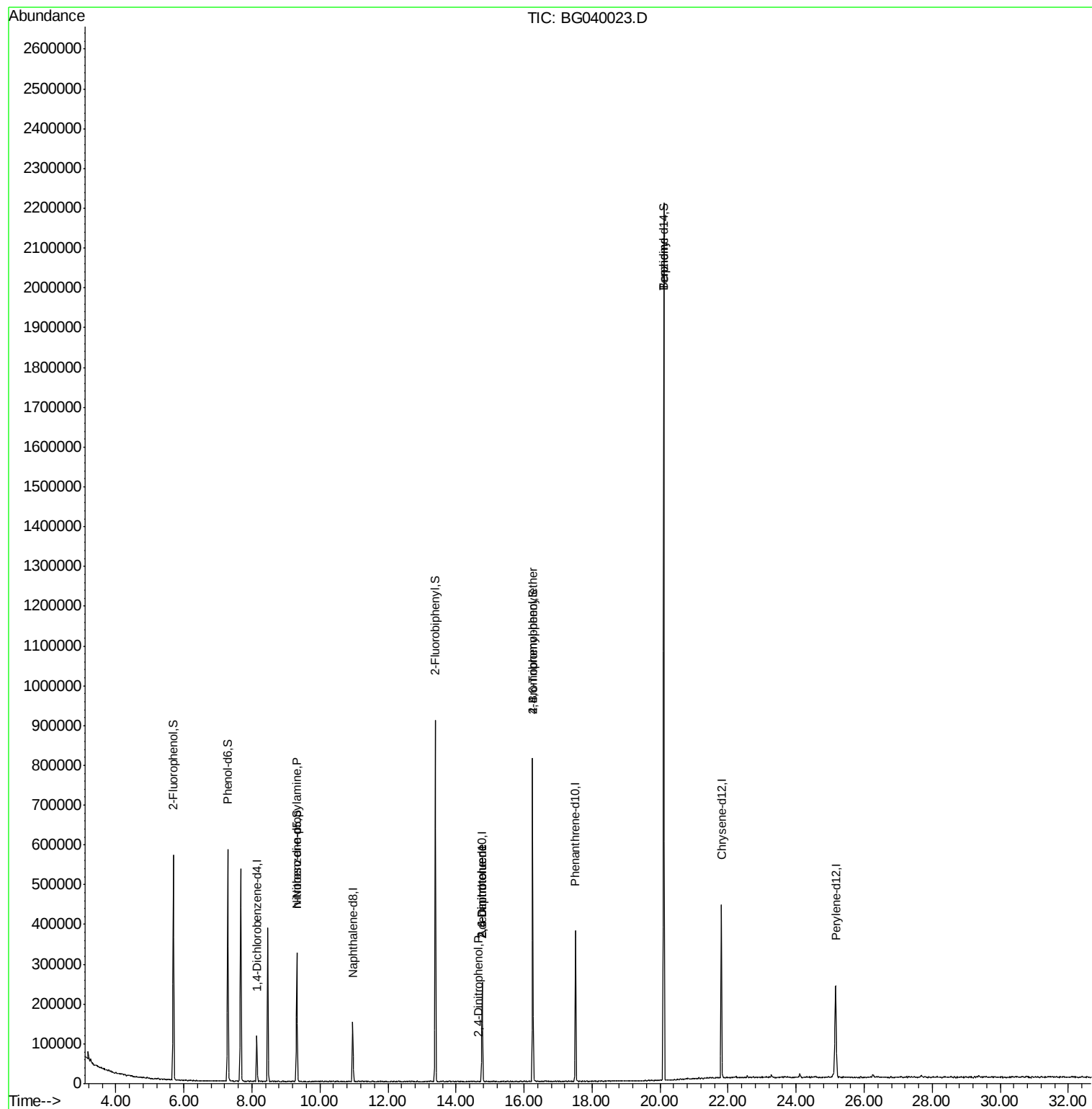
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	29680	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	127296	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	85531	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	236813	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	269291	20.00	ng	-0.03
87) Perylene-d12	25.16	264	258499	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	227569	130.81	ng	-0.02
7) Phenol-d6	7.29	99	322989	124.51	ng	-0.02
23) Nitrobenzene-d5	9.32	82	194600	82.68	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	129406	129.80	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	484763	80.70	ng	-0.02
79) Terphenyl-d14	20.11	244	984690	80.51	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	25309	13.555	ng	# 64
51) 2,6-Dinitrotoluene	14.77	165	10751	7.091	ng	# 22
54) 2,4-Dinitrophenol	14.64	184	71	5.325	ng	# 18
57) 2,4-Dinitrotoluene	14.77	165	10751	5.046	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	9623	3.630	ng	# 1
77) Benzidine	20.11	184	17791	2.082	ng	# 93

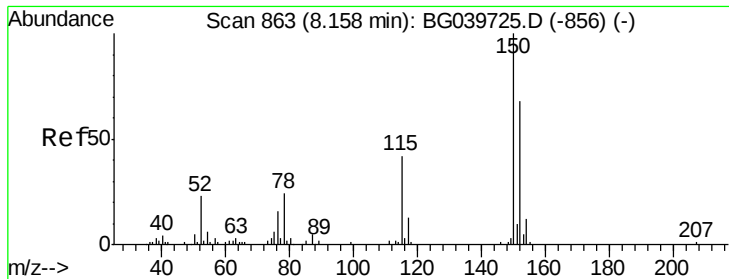
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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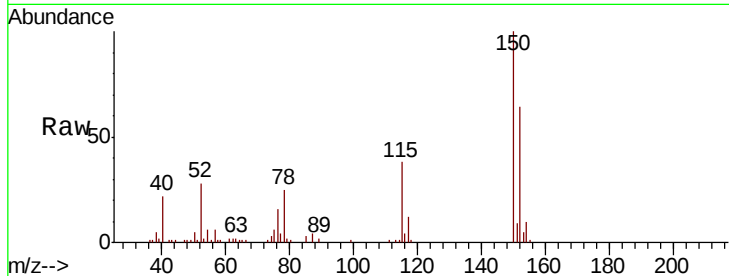


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

Instrument :
 BNA_G
 ClientSampleId :
 PB118056TB

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.7	185.5
115	59.7	45.9	68.9

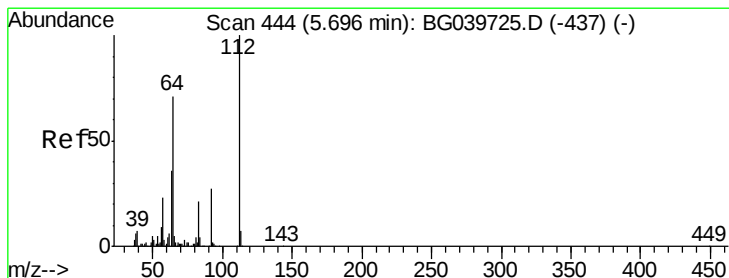
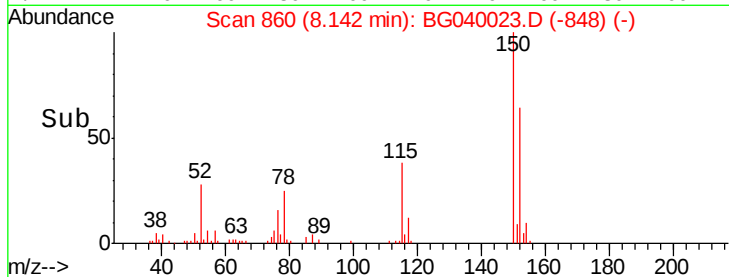
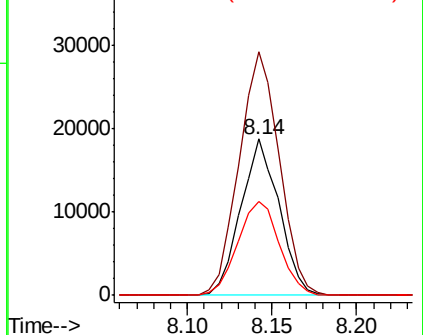


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

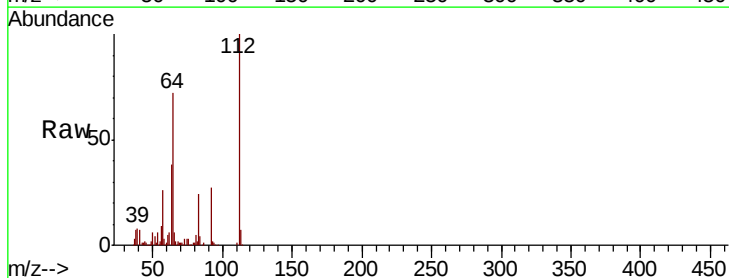
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 130.807 ng
 RT: 5.69 min Scan# 442
 Delta R.T. -0.02 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.8	86.8
63	38.0	29.8	44.6

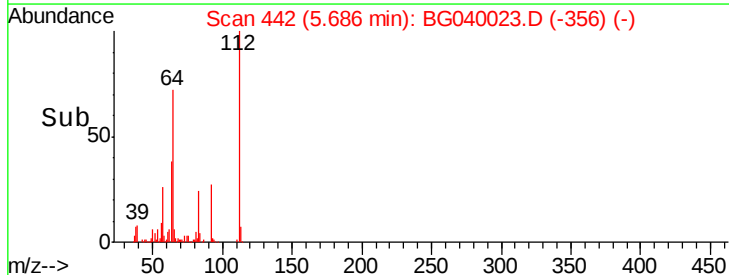
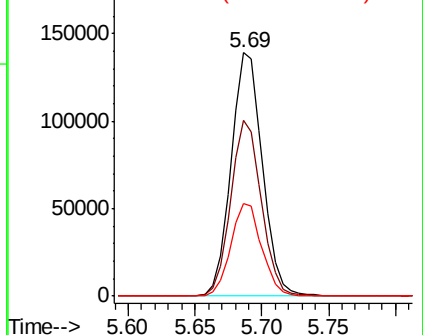


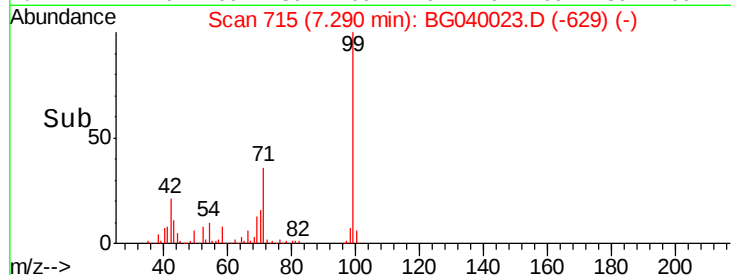
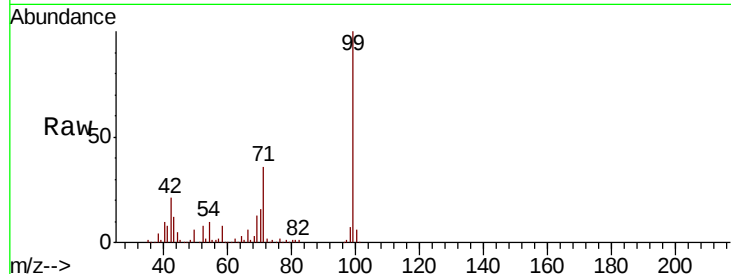
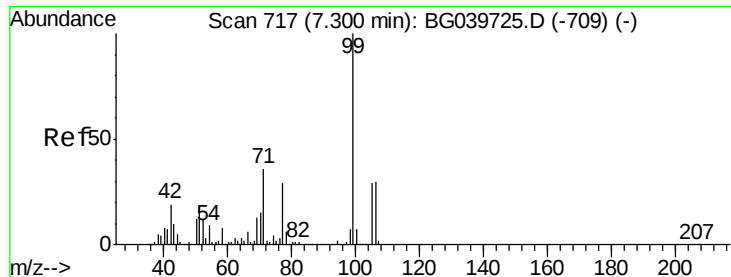
Abundance

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

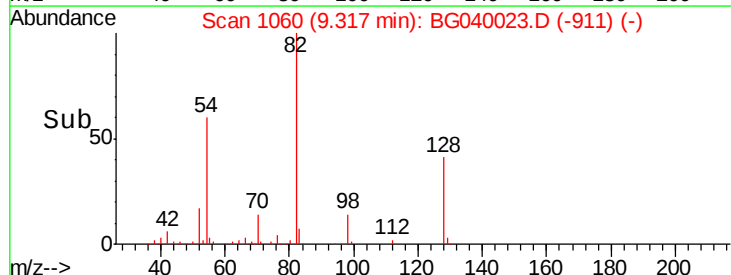
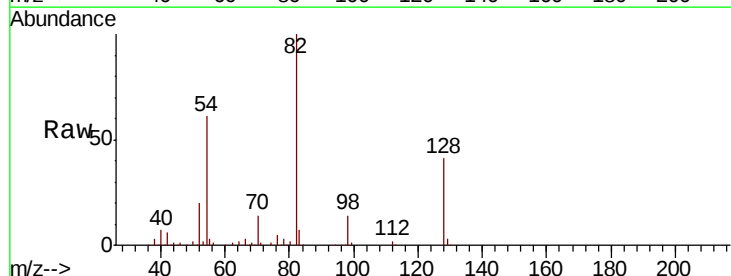
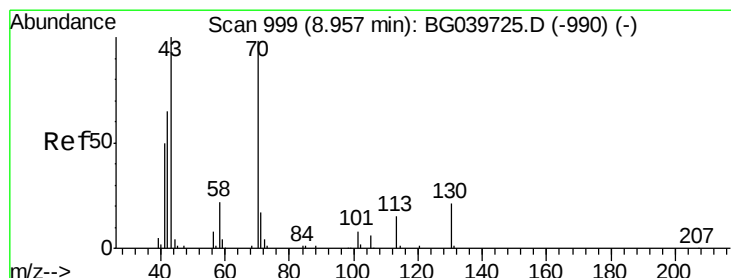
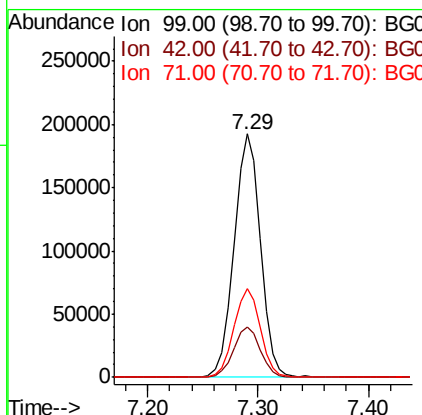




#7
 Phenol-d6
 Concen: 124.512 ng
 RT: 7.29 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

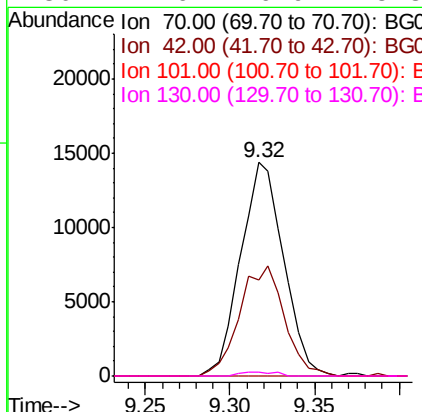
Instrument :
 BNA_G
 ClientSampleId :
 PB118056TB

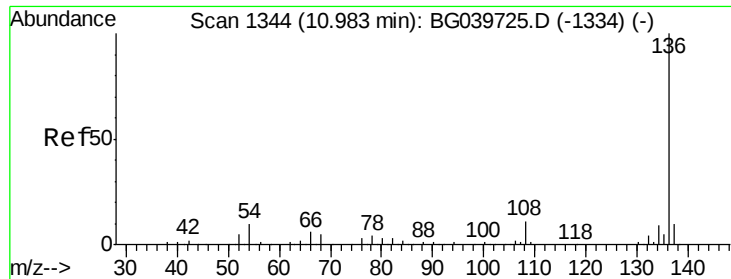
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.6	18.2	27.2
71	36.5	28.0	42.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 13.555 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. 0.35 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.0	60.4	90.6#
101	0.0	7.5	11.3#
130	1.6	16.9	25.3#

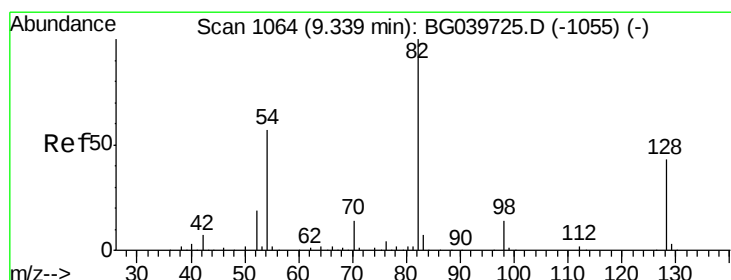
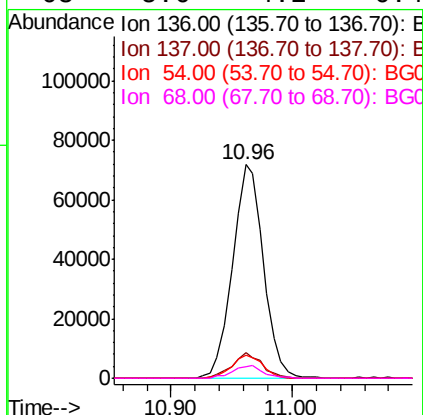
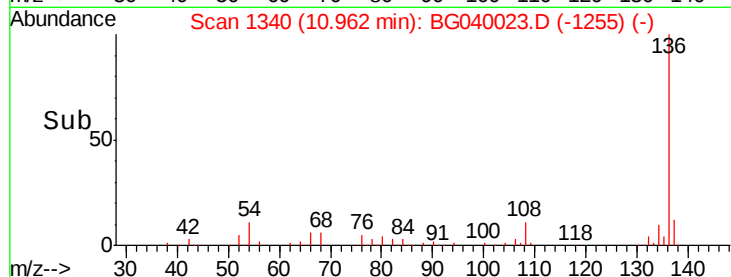
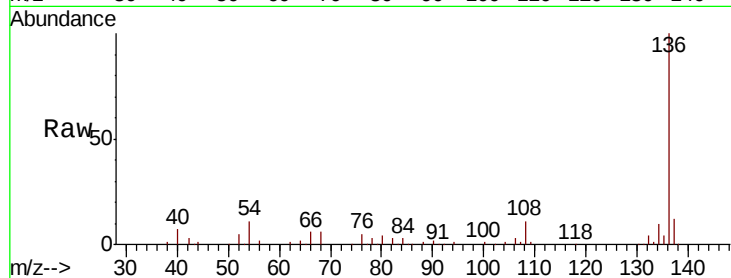




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040023.D
Acq: 20 Mar 2019 4:36

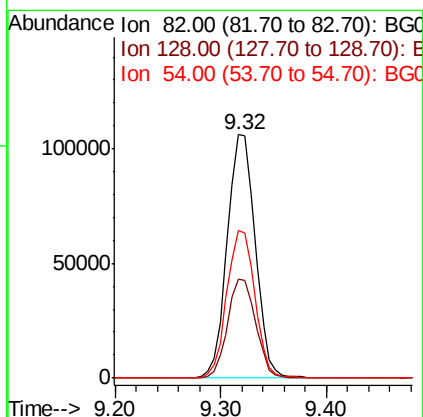
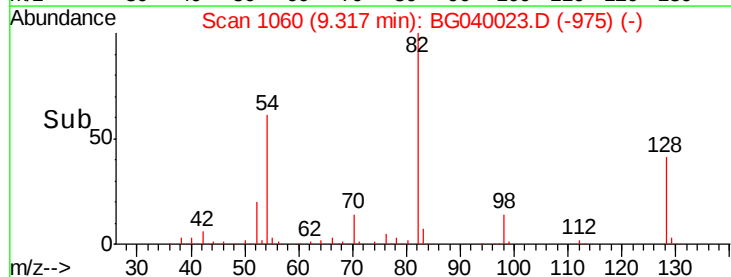
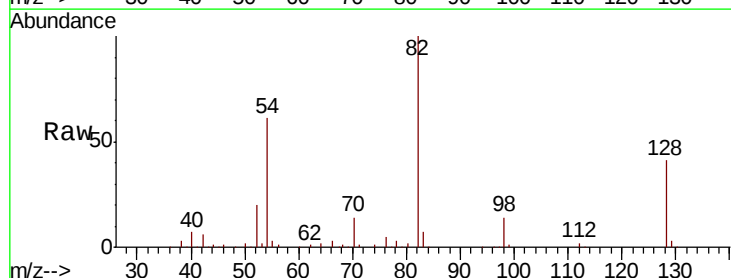
Instrument :
BNA_G
ClientSampleId :
PB118056TB

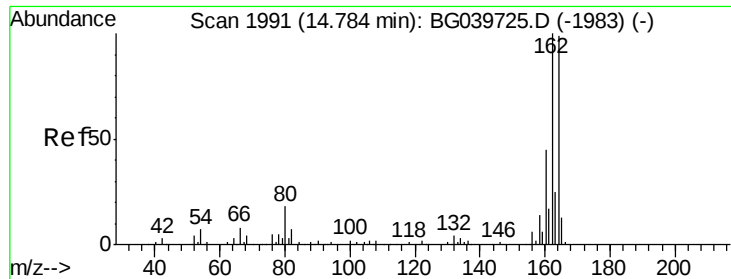
Tgt Ion:	136	Resp:	127296
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.1	13.7
54	10.8	9.4	14.2
68	5.6	4.2	6.4



#23
Nitrobenzene-d5
Concen: 82.679 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040023.D
Acq: 20 Mar 2019 4:36

Tgt Ion:	82	Resp:	194600
Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.3	46.9
54	60.6	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

Instrument :

BNA_G

ClientSampleId :

PB118056TB

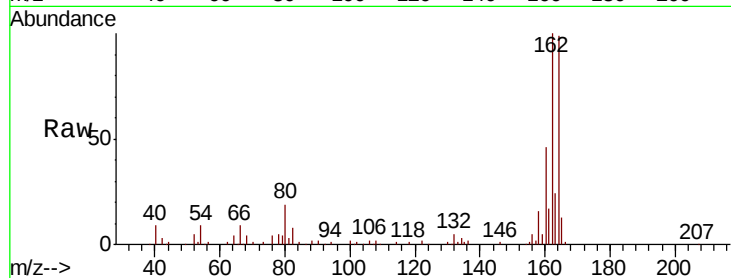
Tgt Ion:164 Resp: 85531

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

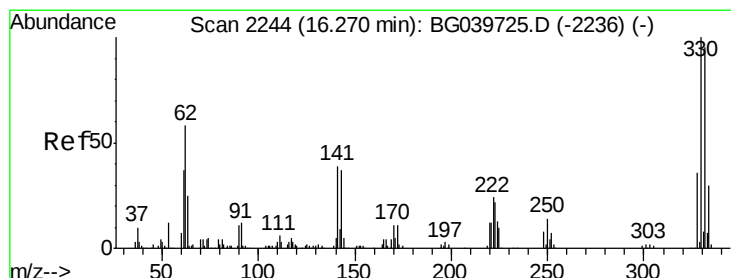
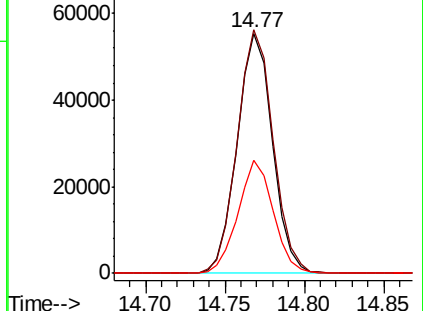
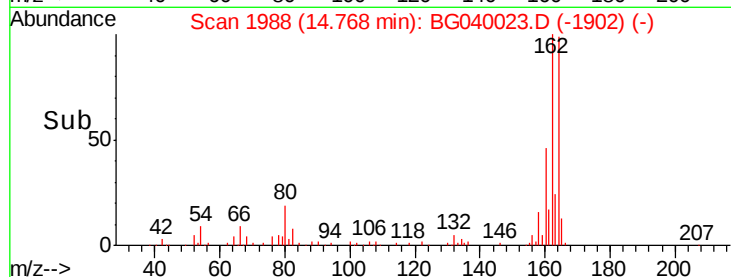
160 47.1 34.2 51.2



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: 129.805 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

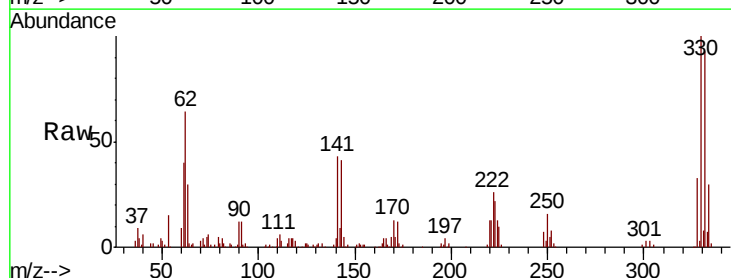
Tgt Ion:330 Resp: 129406

Ion Ratio Lower Upper

330 100

332 93.6 75.7 113.5

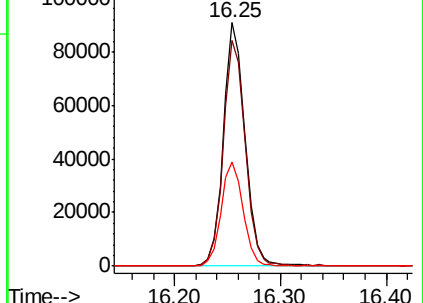
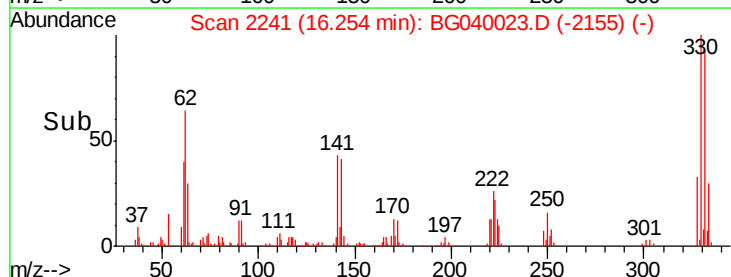
141 43.5 35.6 53.4

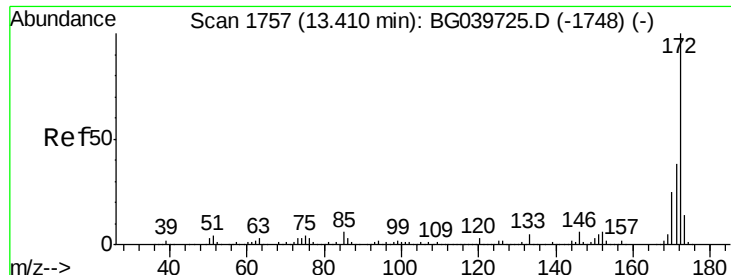


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

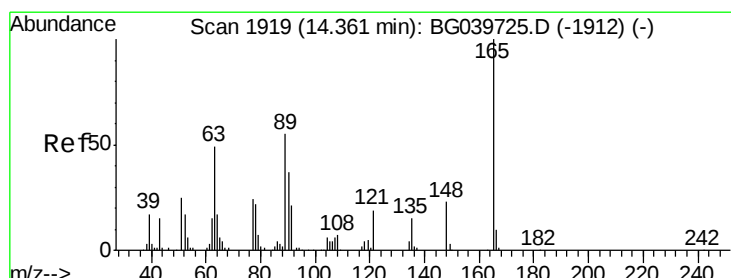
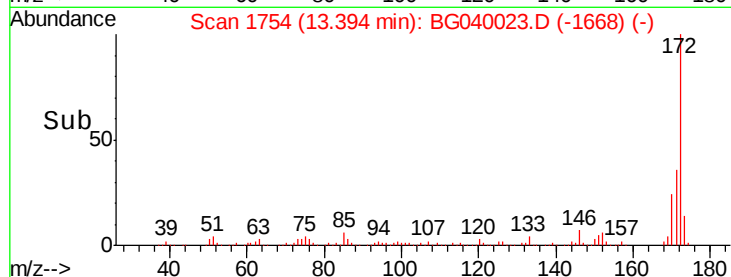
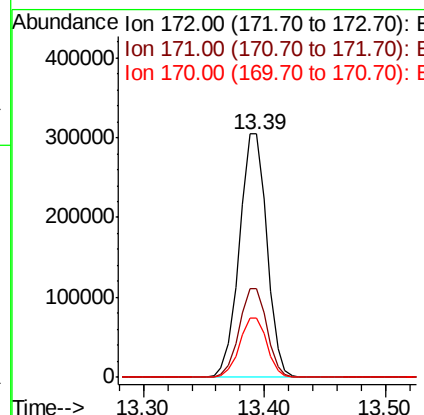
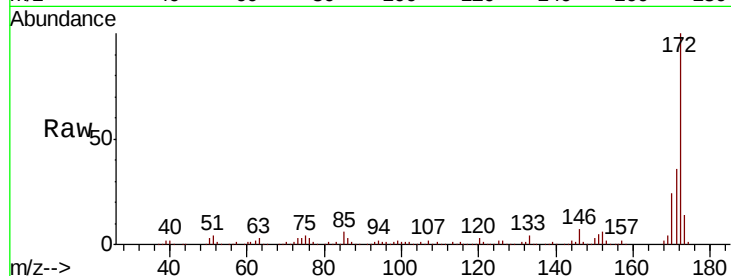




#45
 2-Fluorobiphenyl
 Concen: 80.698 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

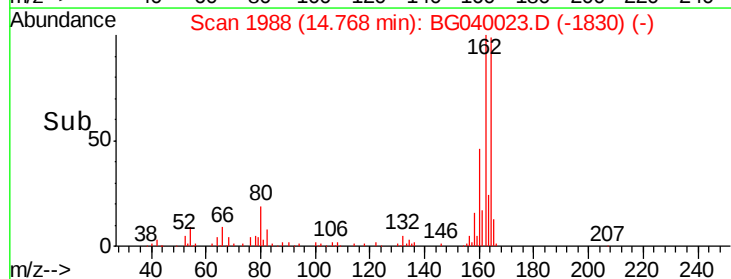
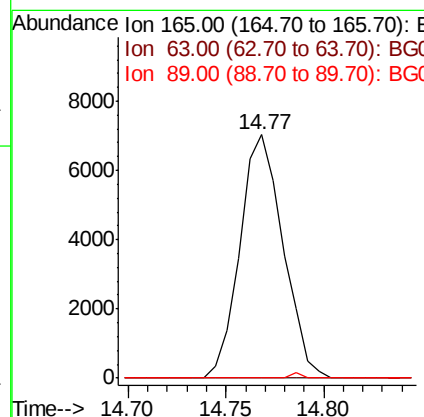
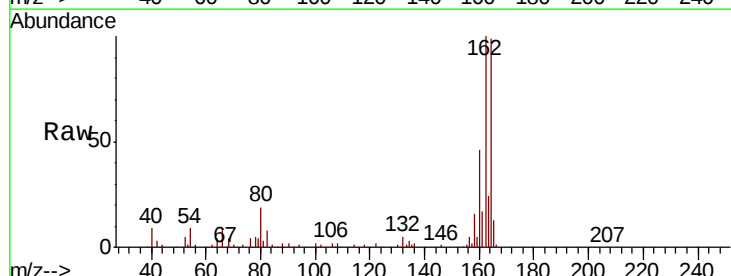
Instrument :
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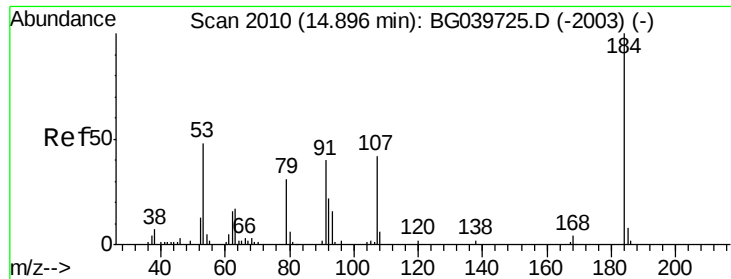
Tgt Ion:172 Resp: 484763
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.8 46.2
 170 24.4 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.091 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040023.D
 Acq: 20 Mar 2019 4:36

Tgt Ion:165 Resp: 10751
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#





#54

2,4-Dinitrophenol

Concen: 5.325 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.26 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

Instrument :

BNA_G

ClientSampleId :

PB118056TB

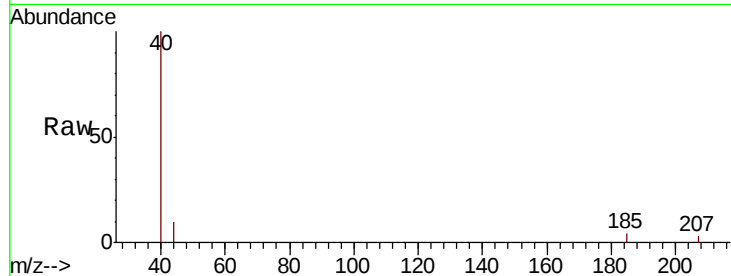
Tgt Ion:184 Resp: 71

Ion Ratio Lower Upper

184 100

63 0.0 50.9 76.3#

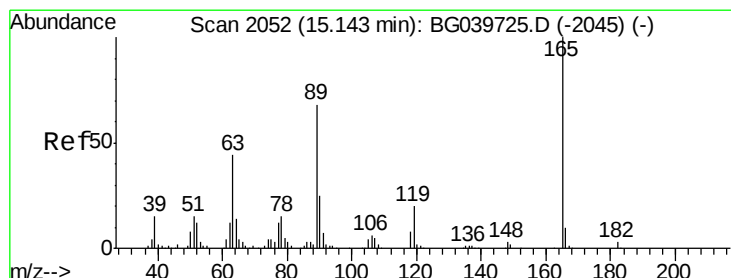
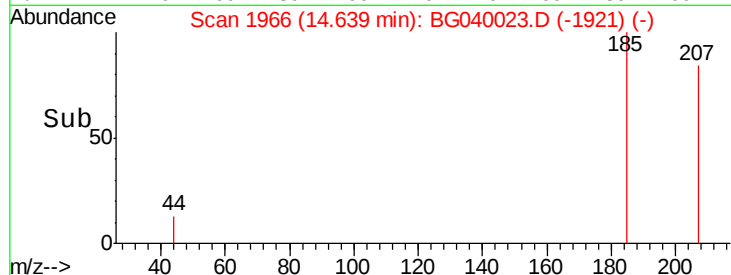
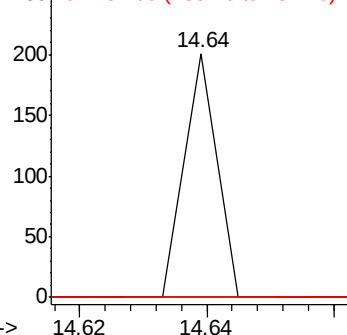
154 0.0 53.0 79.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.046 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

Tgt Ion:165 Resp: 10751

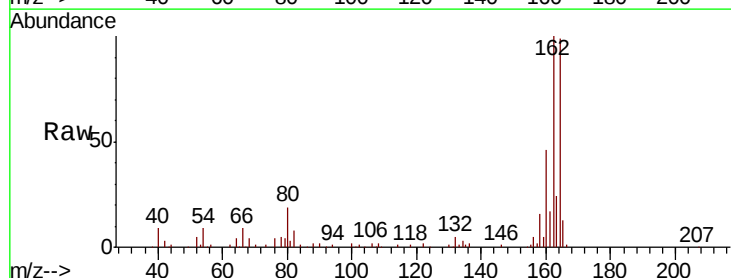
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

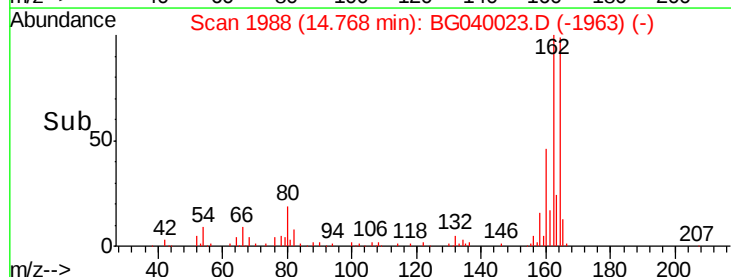
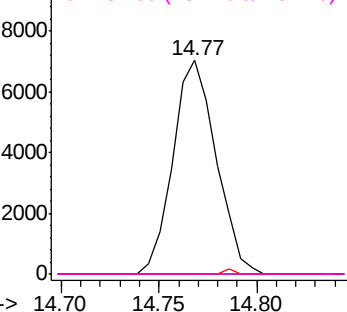


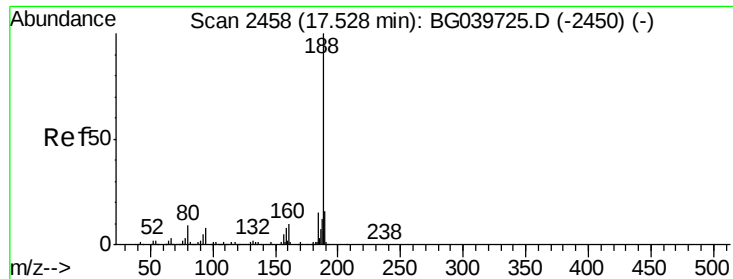
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

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: BG040023.D

Acq: 20 Mar 2019 4:36

Instrument :

BNA_G

ClientSampleId :

PB118056TB

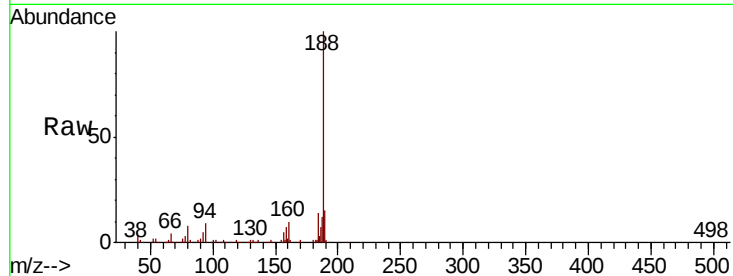
Tgt Ion:188 Resp: 236813

Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

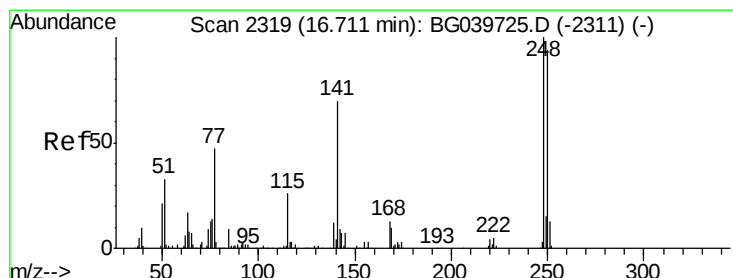
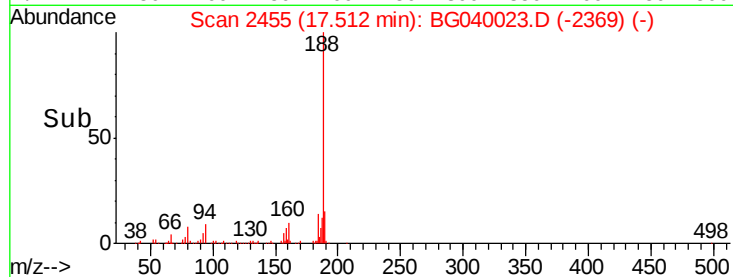
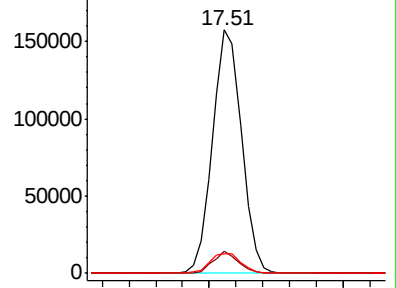
80 8.3 8.1 12.1



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: 3.630 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

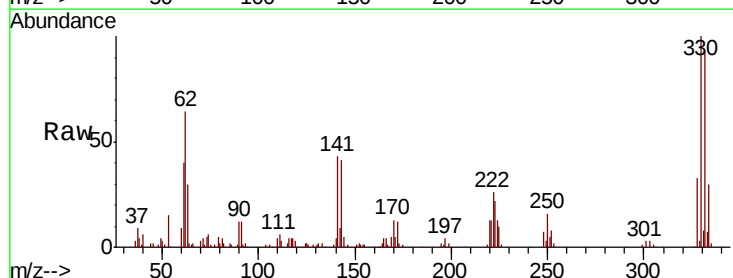
Tgt Ion:248 Resp: 9623

Ion Ratio Lower Upper

248 100

250 218.7 77.6 116.4#

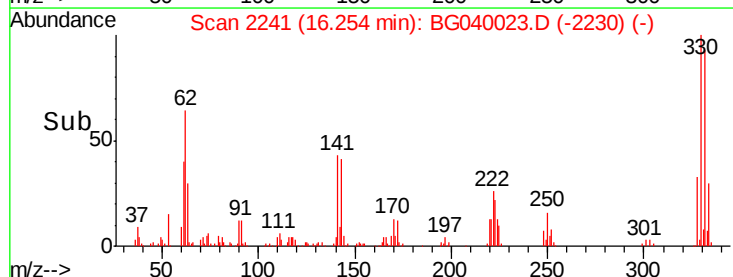
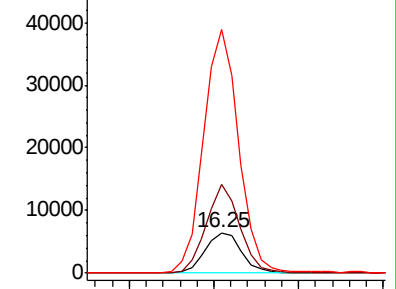
141 597.9 63.9 95.9#

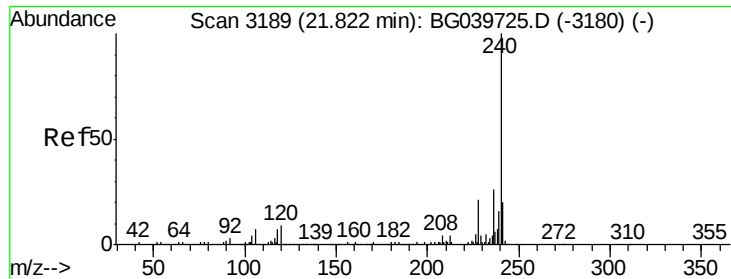


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

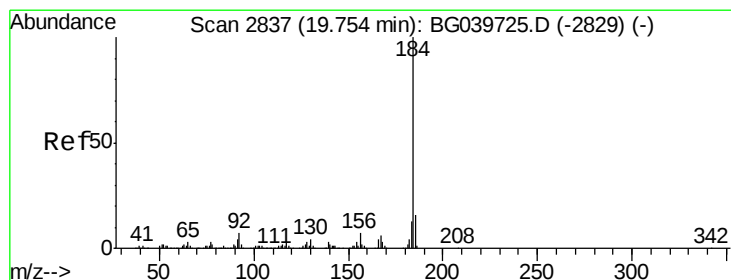
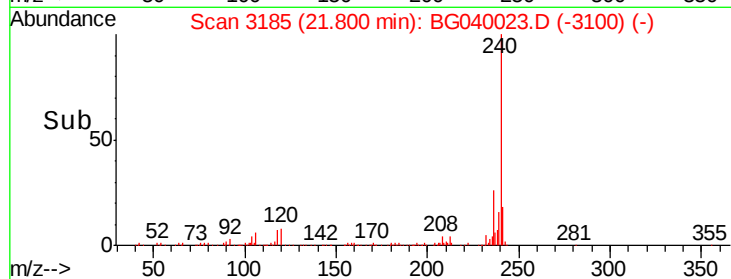
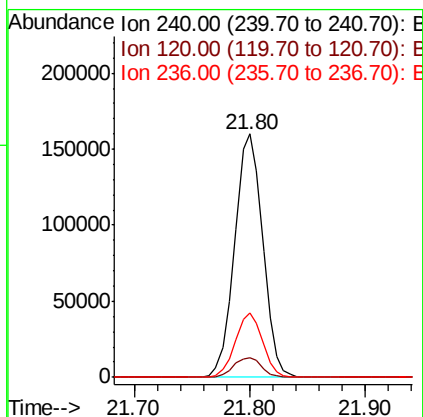
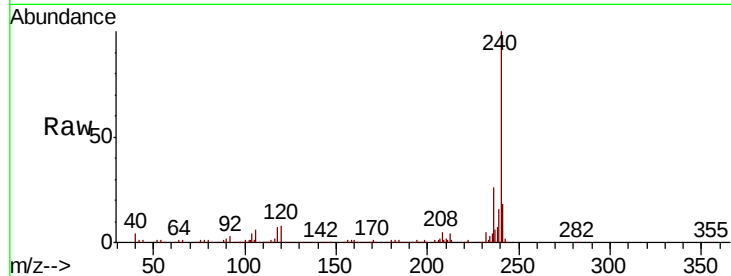




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040023.D
Acq: 20 Mar 2019 4:36

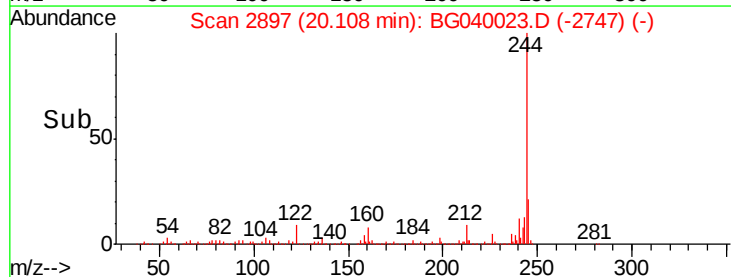
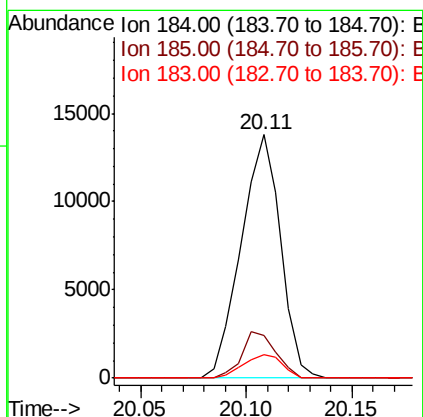
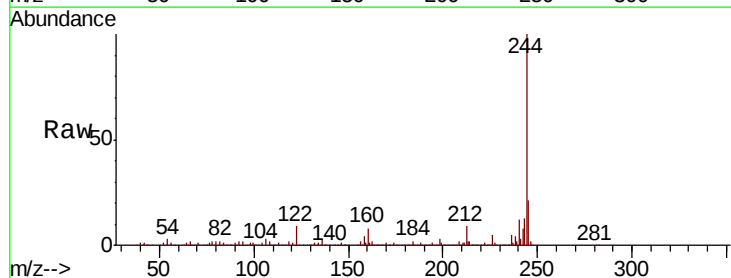
Instrument :
BNA_G
ClientSampleId :
PB118056TB

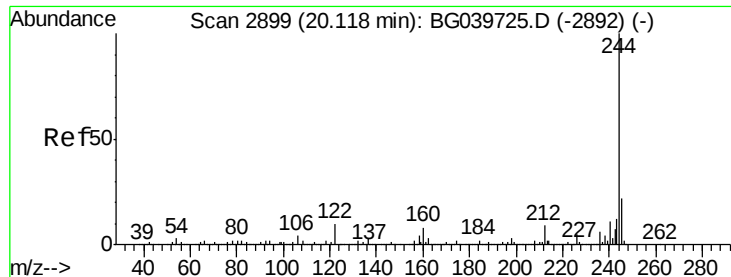
Tgt Ion:240 Resp: 269291
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.082 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040023.D
Acq: 20 Mar 2019 4:36

Tgt Ion:184 Resp: 17791
Ion Ratio Lower Upper
184 100
185 17.5 12.2 18.2
183 9.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 80.511 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

Instrument :

BNA_G

ClientSampleId :

PB118056TB

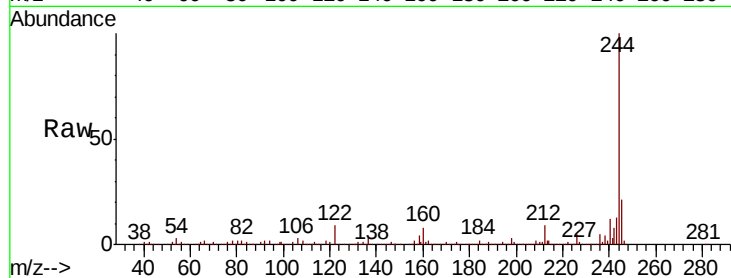
Tgt Ion:244 Resp: 984690

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

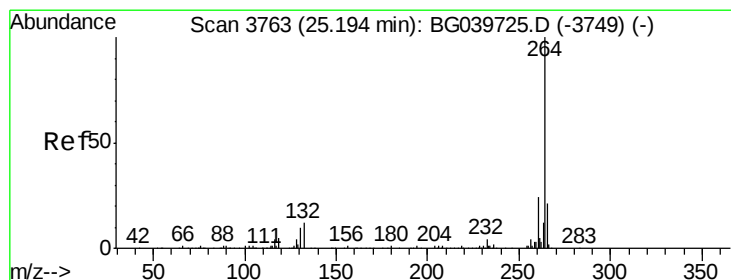
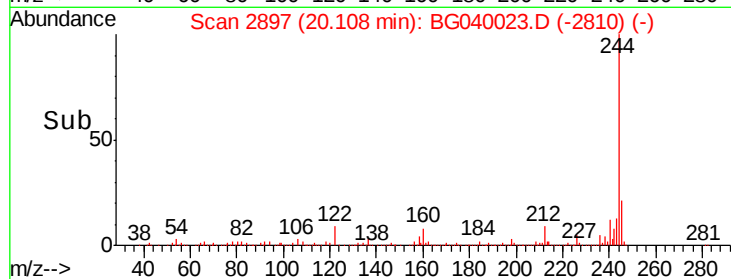
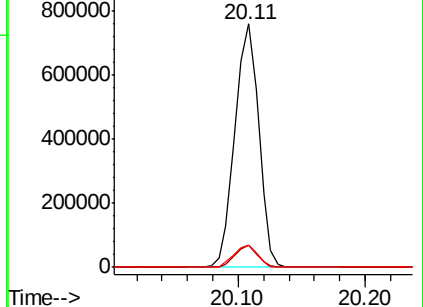
122 9.3 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040023.D

Acq: 20 Mar 2019 4:36

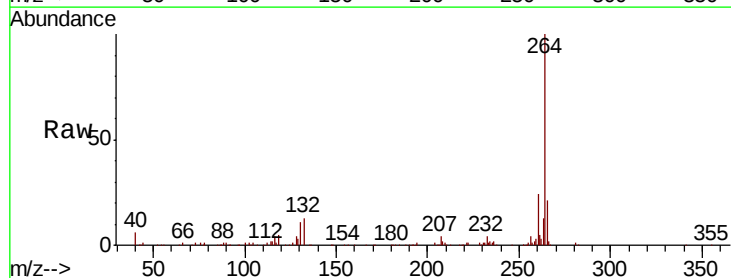
Tgt Ion:264 Resp: 258499

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 21.2 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

