

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039963.D
 Acq On : 16 Mar 2019 5:52
 Operator : JU/SJ
 Sample : K1685-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-D

Quant Time: Mar 16 06:34:07 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

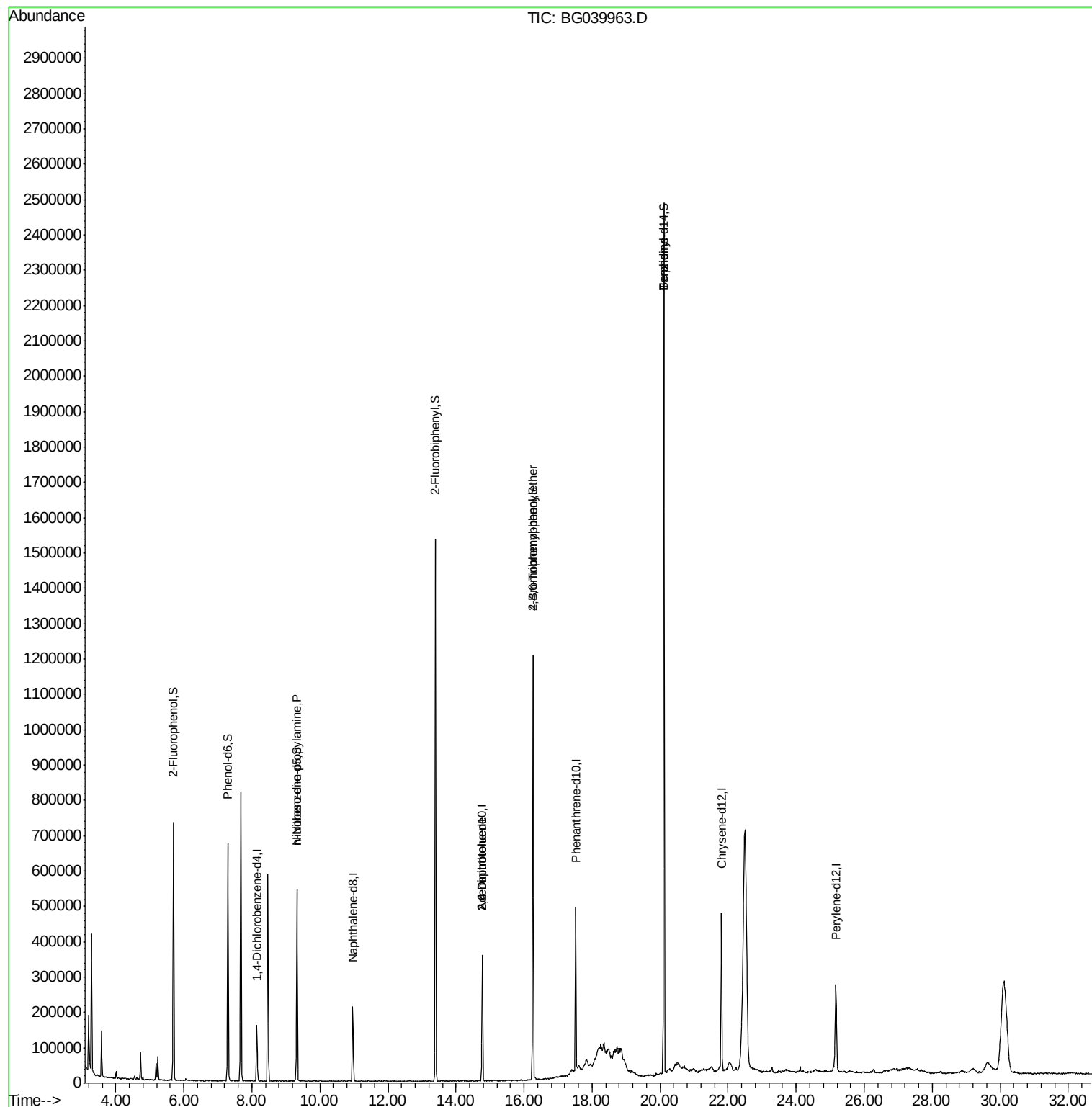
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	41494	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	179673	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	123676	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	278589	20.00	ng	-0.02
76) Chrysene-d12	21.81	240	277286	20.00	ng	-0.02
87) Perylene-d12	25.17	264	282613	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	288928	118.79	ng	-0.02
7) Phenol-d6	7.30	99	376134	103.72	ng	-0.02
23) Nitrobenzene-d5	9.32	82	318913	96.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	205770	142.74	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	781748	90.00	ng	-0.02
79) Terphenyl-d14	20.11	244	1145761	90.98	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	42817	16.403	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	15951	7.276	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	15951	5.178	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	16121	5.170	ng	# 1
77) Benzidine	20.11	184	21195	2.409	ng	97

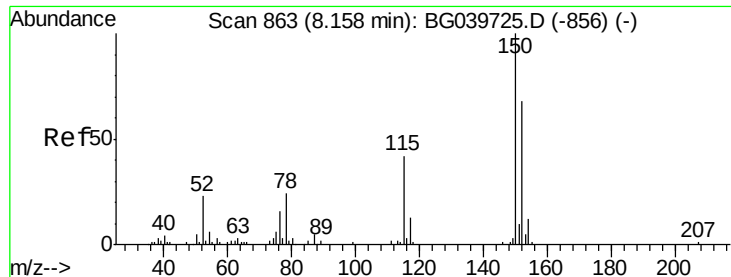
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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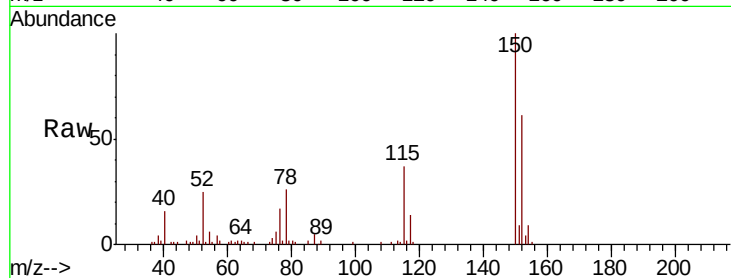


#1

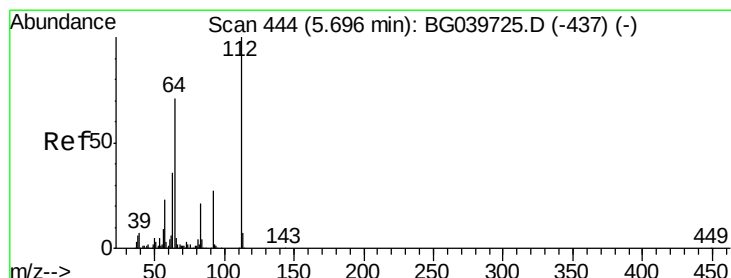
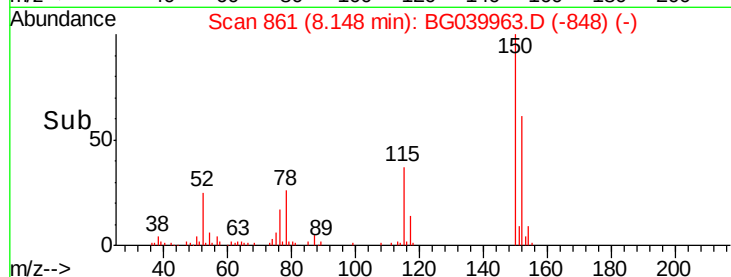
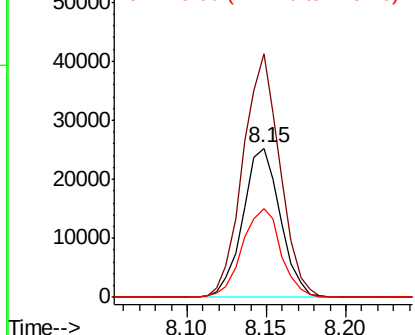
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-D

Tgt Ion:152 Resp: 41494
Ion Ratio Lower Upper
152 100
150 163.0 123.7 185.5
115 59.6 45.9 68.9



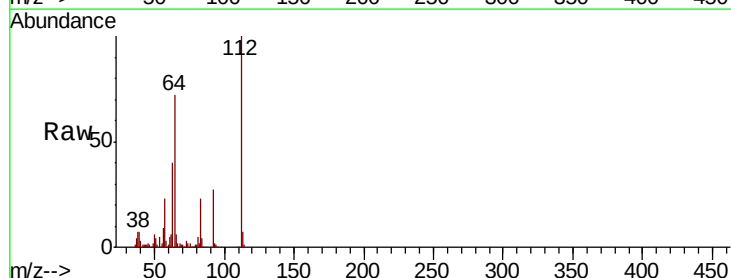
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



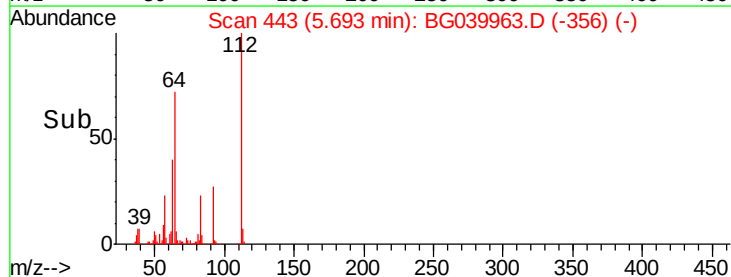
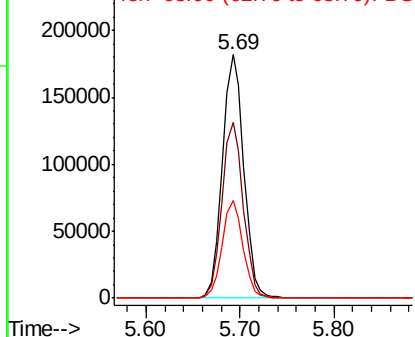
#5

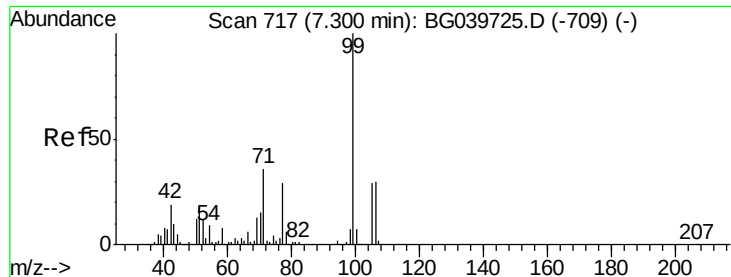
2-Fluorophenol
Concen: 118.792 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

Tgt Ion:112 Resp: 288928
Ion Ratio Lower Upper
112 100
64 72.1 57.8 86.8
63 40.2 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: 103.716 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-D

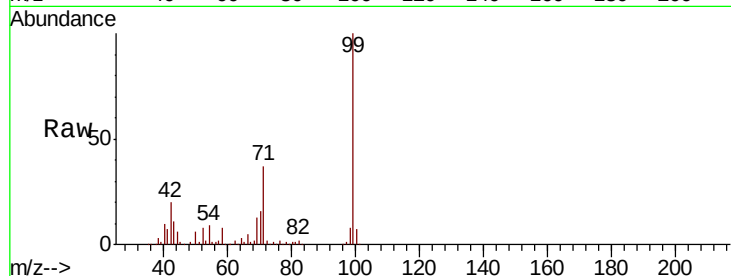
Tgt Ion: 99 Resp: 376134

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

71 37.0 28.0 42.0

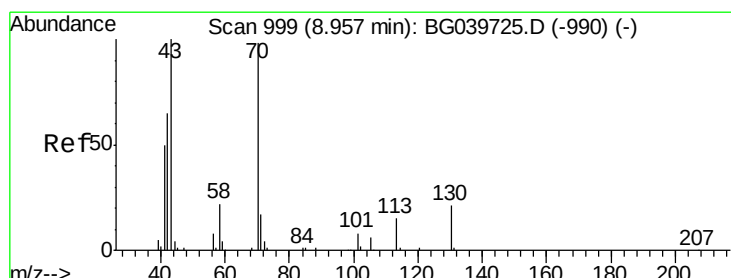
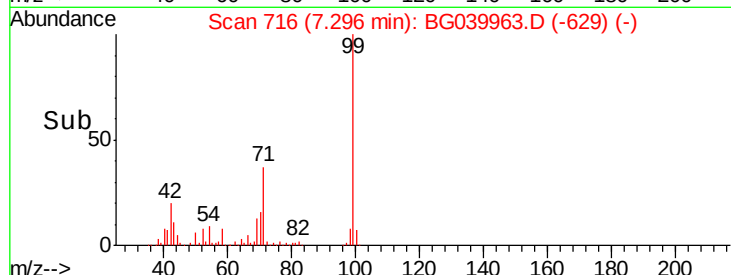
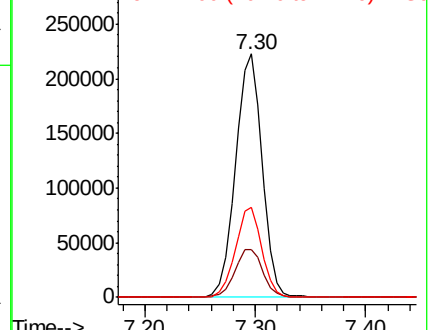


Abundance

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: 16.403 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

Tgt Ion: 70 Resp: 42817

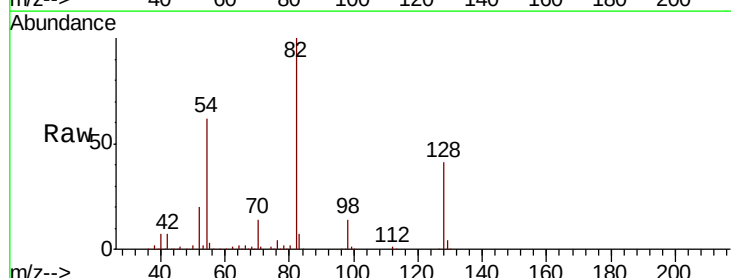
Ion Ratio Lower Upper

70 100

42 48.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#



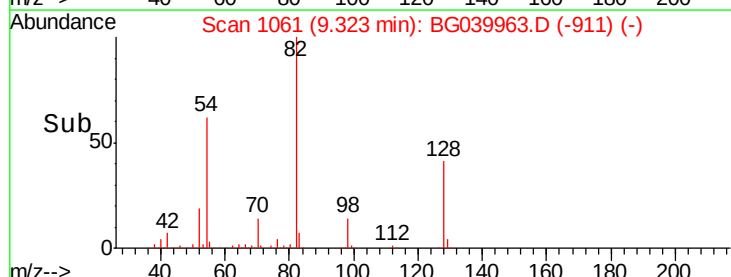
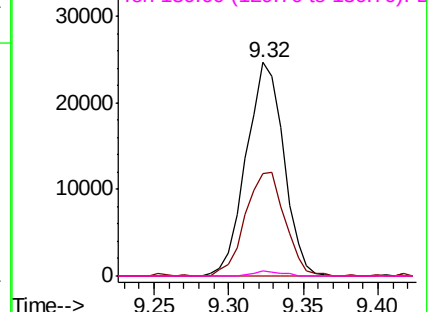
Abundance

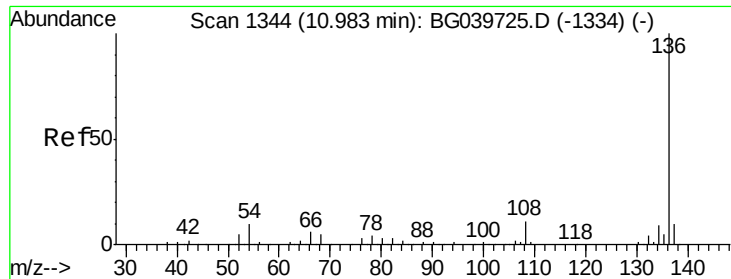
Ion 70.00 (69.70 to 70.70): BGC

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

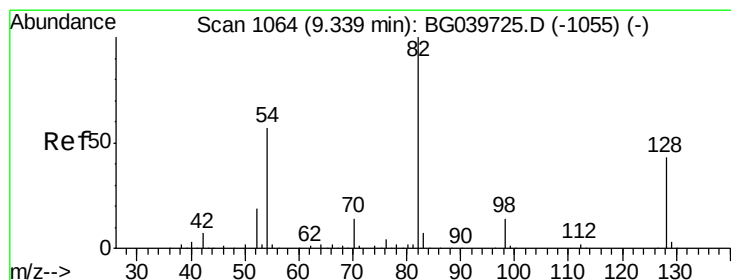
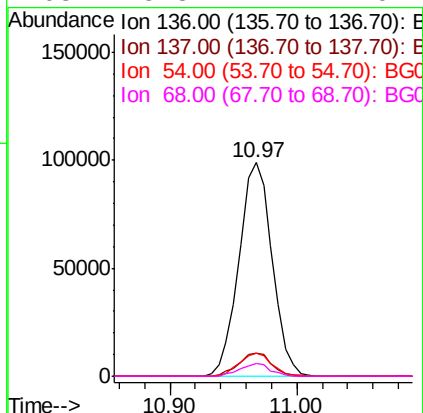
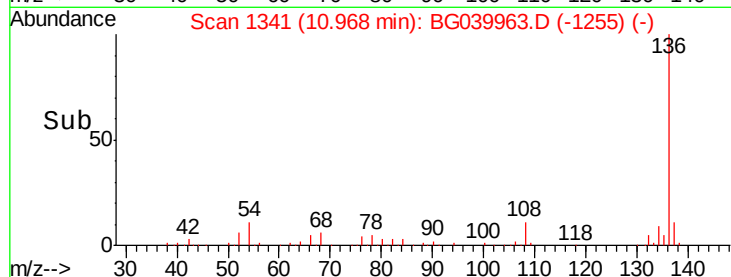
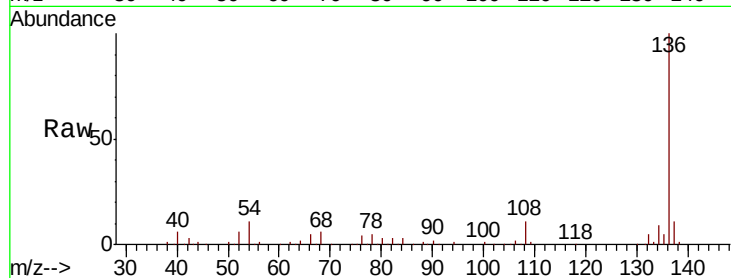




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

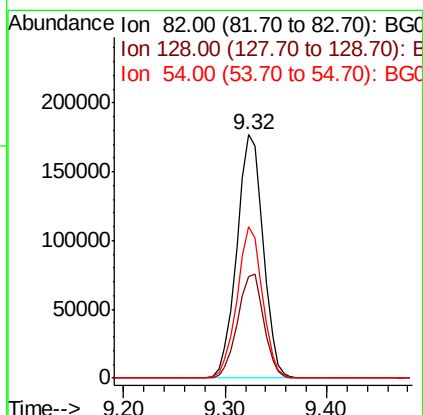
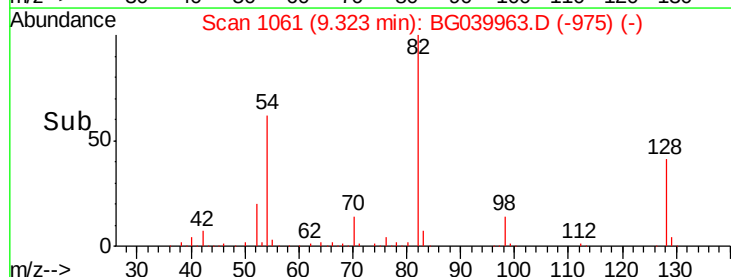
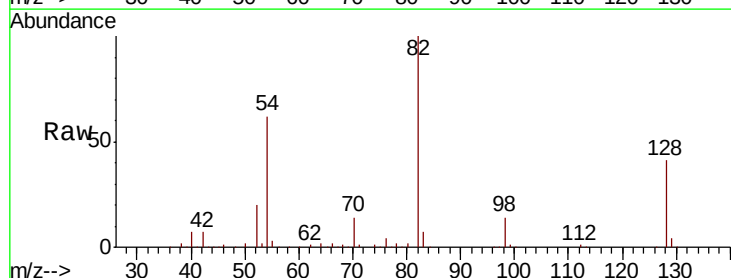
Instrument :
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ClientSampleId :
AU-05-031419-D

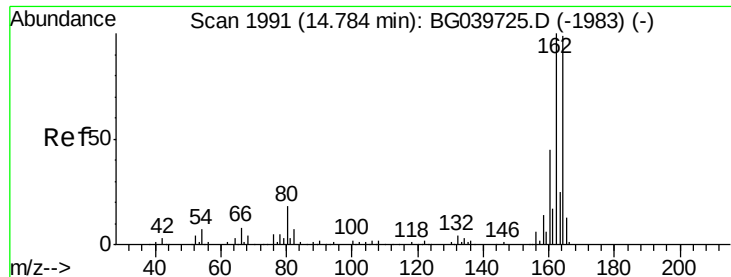
Tgt Ion:	136	Resp:	179673
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	10.6	9.4	14.2
68	5.8	4.2	6.4



#23
Nitrobenzene-d5
Concen: 95.997 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

Tgt Ion:	82	Resp:	318913
Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.3	46.9
54	62.4	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-D

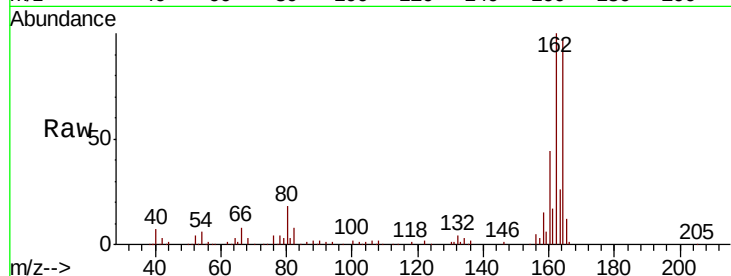
Tgt Ion:164 Resp: 123676

Ion Ratio Lower Upper

164 100

162 102.9 81.6 122.4

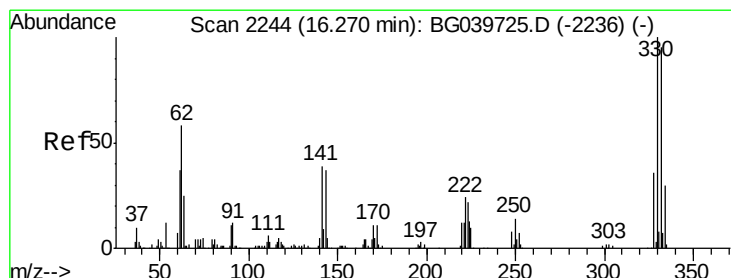
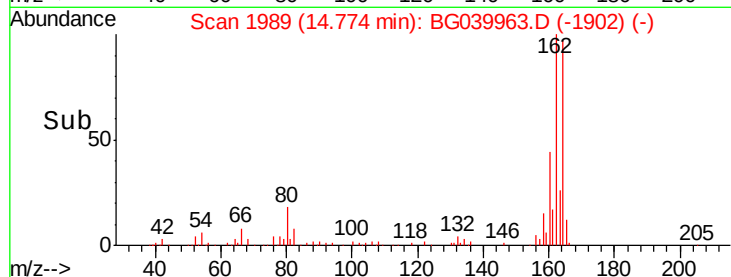
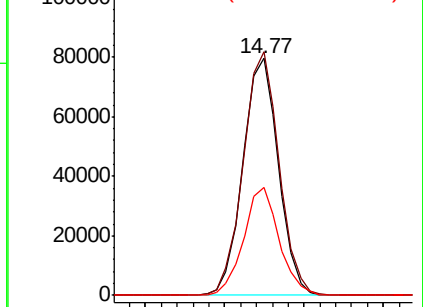
160 45.7 34.2 51.2



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: 142.744 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

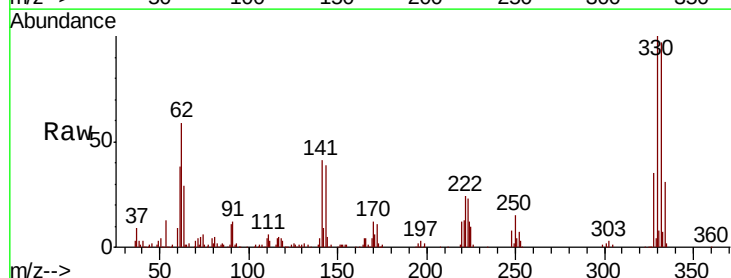
Tgt Ion:330 Resp: 205770

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

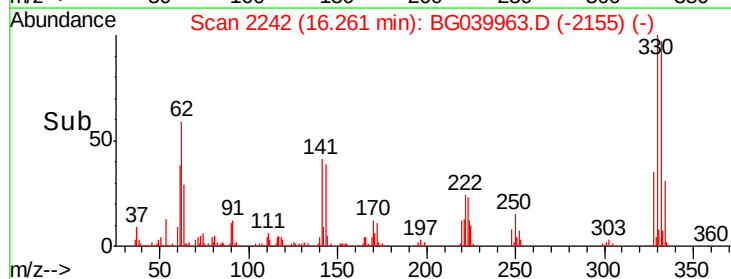
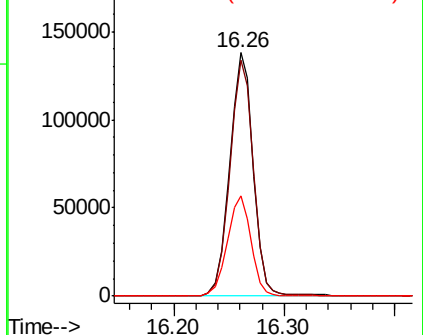
141 42.2 35.6 53.4

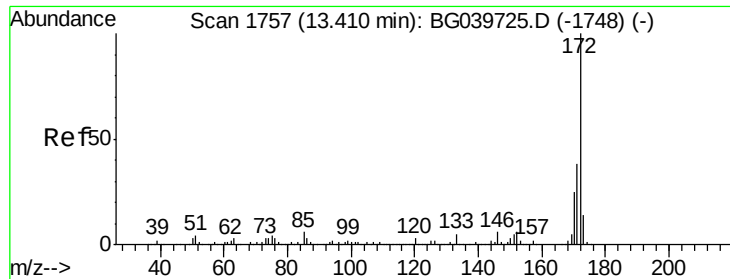


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

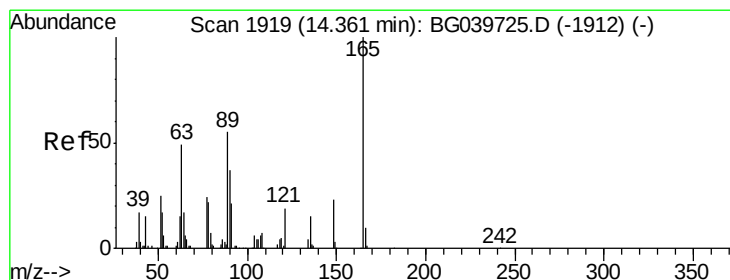
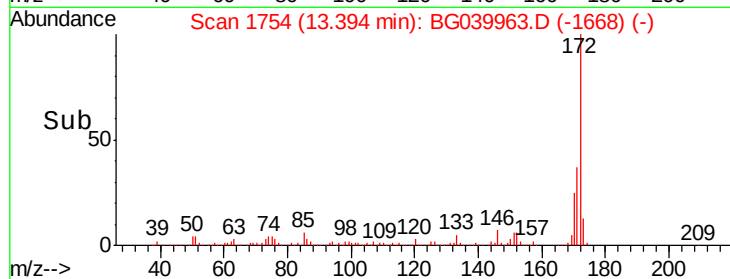
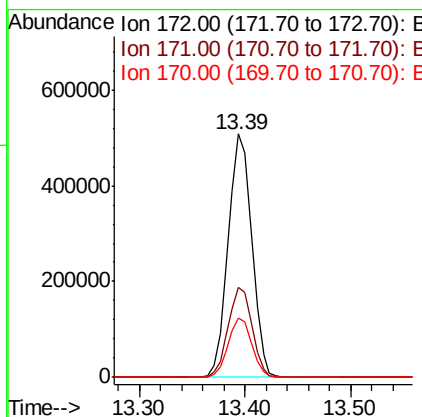
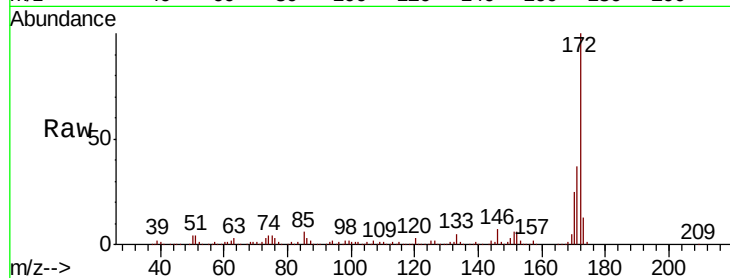




#45
 2-Fluorobiphenyl
 Concen: 89.999 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039963.D
 Acq: 16 Mar 2019 5:52

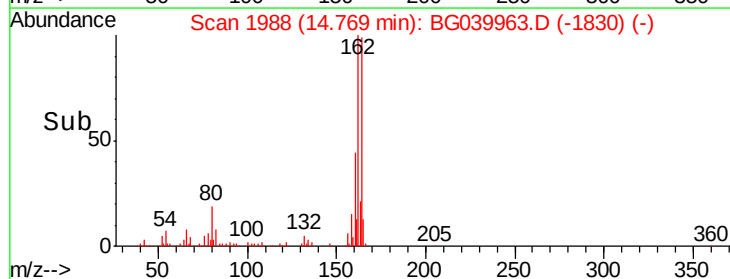
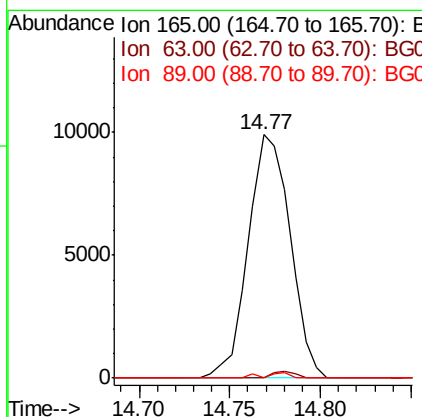
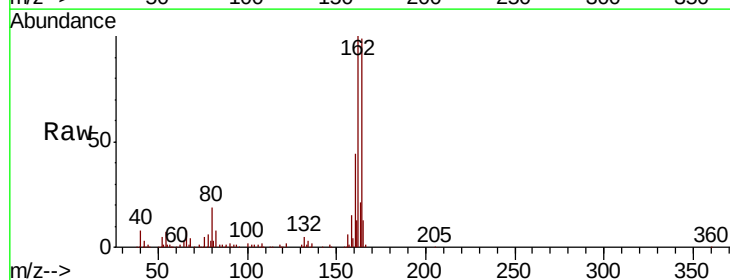
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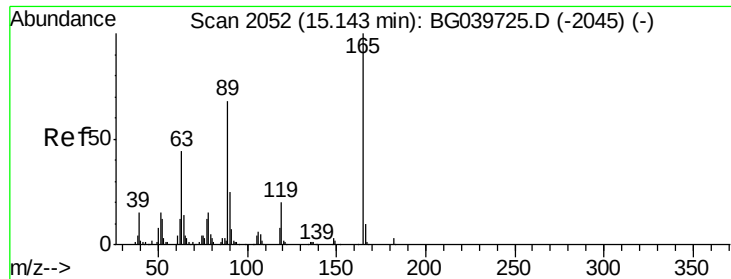
Tgt Ion:172 Resp: 781748
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 24.5 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.276 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG039963.D
 Acq: 16 Mar 2019 5:52

Tgt Ion:165 Resp: 15951
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

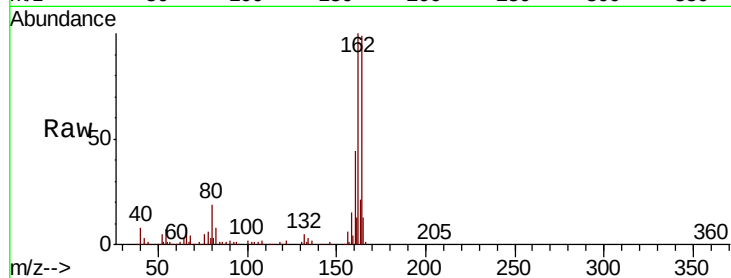




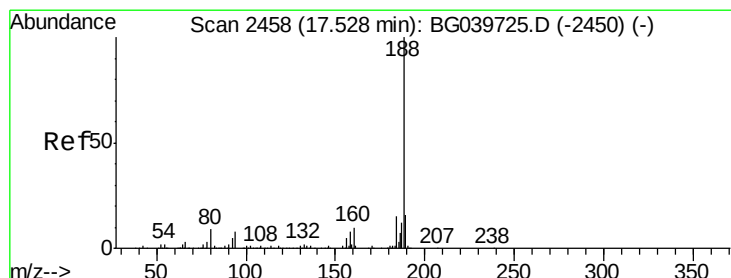
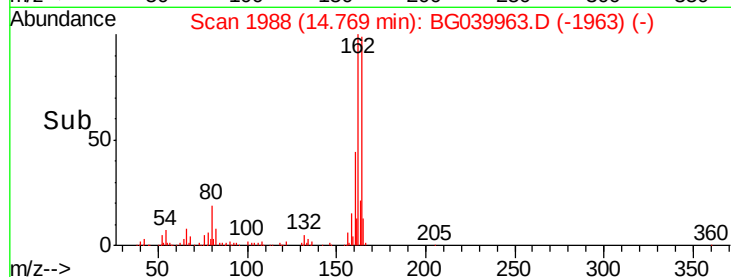
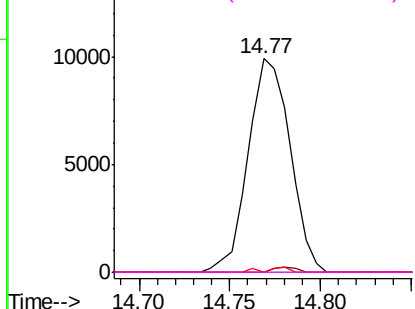
#57
 2,4-Dinitrotoluene
 Concen: 5.178 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG039963.D
 Acq: 16 Mar 2019 5:52

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-D

Tgt Ion:	165	Resp:	15951
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#

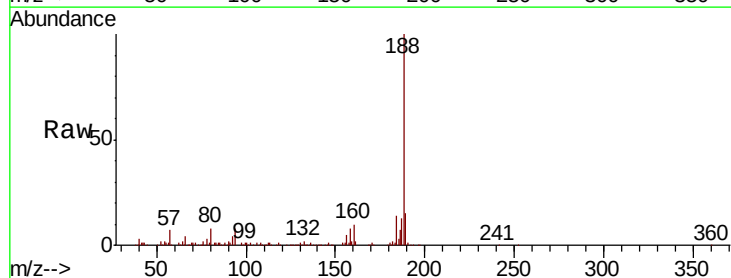


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

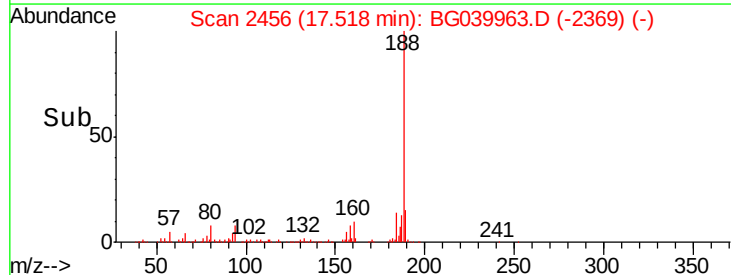
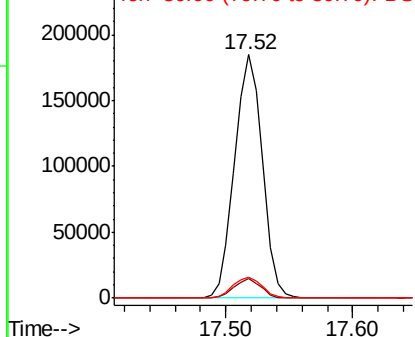


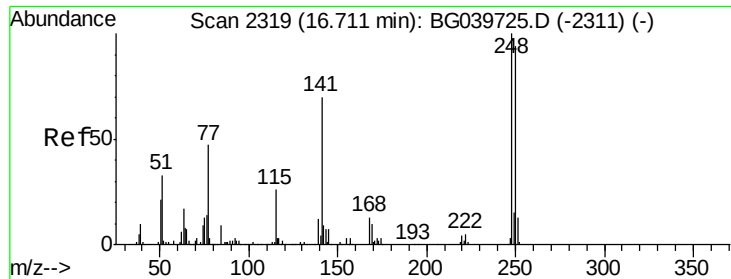
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039963.D
 Acq: 16 Mar 2019 5:52

Tgt Ion:	188	Resp:	278589
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.4	8.1	12.1



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

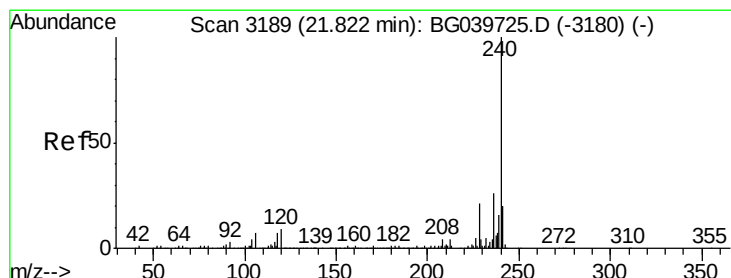
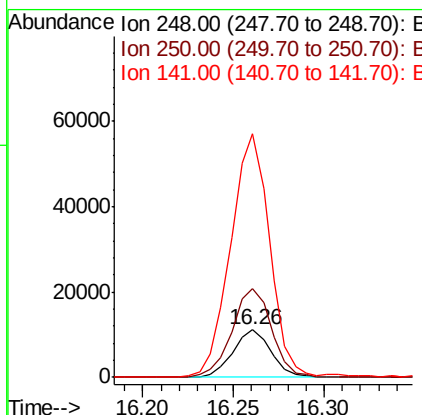
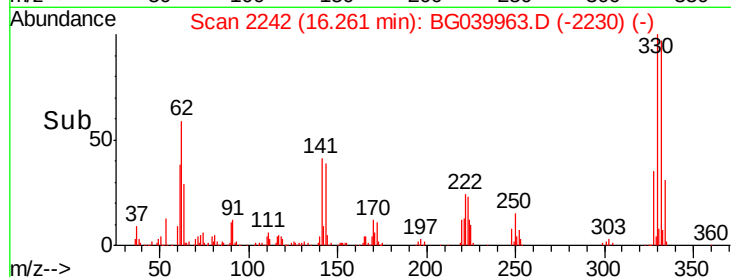
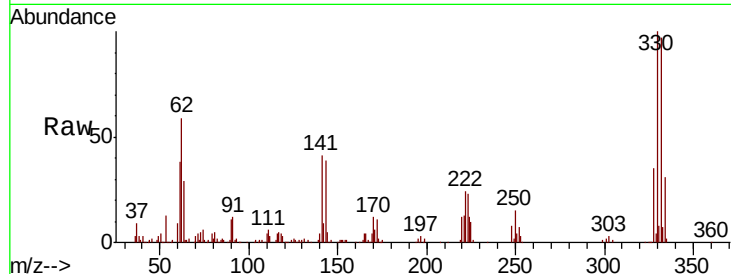




#67
4-Bromophenyl-phenylether
Concen: 5.170 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

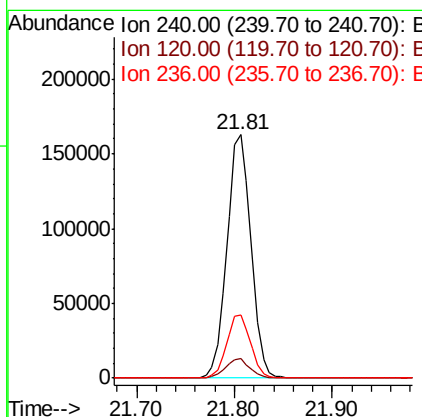
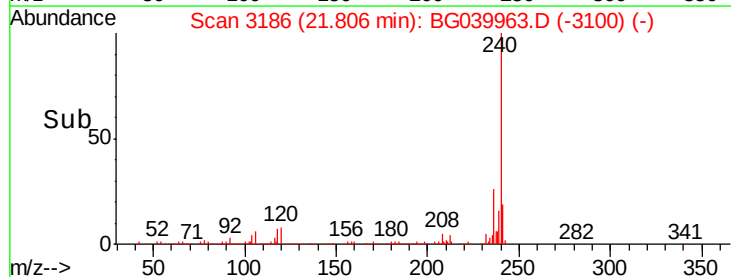
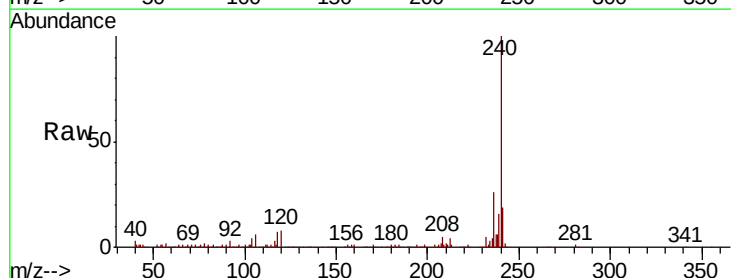
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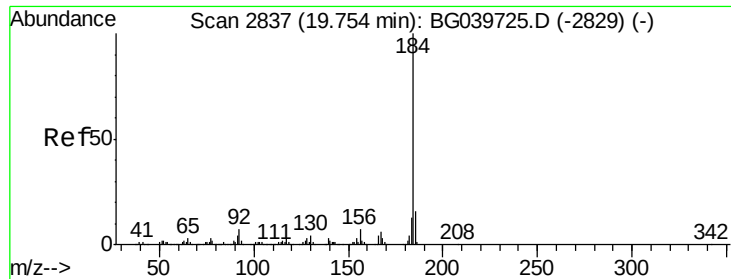
Tgt Ion:248 Resp: 16121
Ion Ratio Lower Upper
248 100
250 187.3 77.6 116.4#
141 513.6 63.9 95.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039963.D
Acq: 16 Mar 2019 5:52

Tgt Ion:240 Resp: 277286
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 25.7 21.0 31.4





#77

Benzidine

Concen: 2.409 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-D

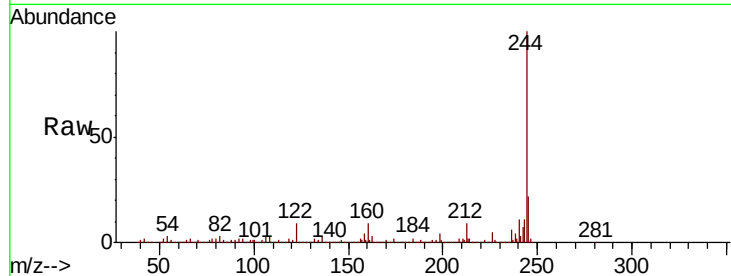
Tgt Ion:184 Resp: 21195

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

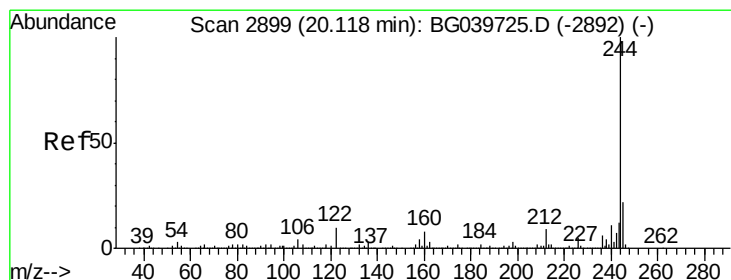
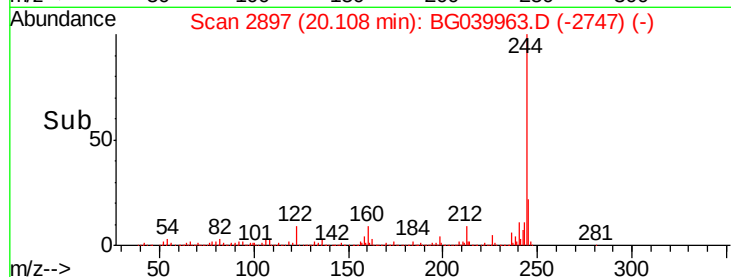
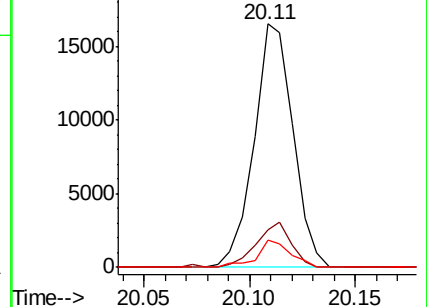
183 11.1 10.6 15.8



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: 90.980 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039963.D

Acq: 16 Mar 2019 5:52

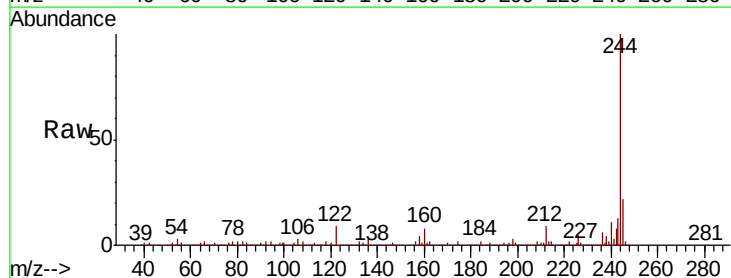
Tgt Ion:244 Resp: 1145761

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

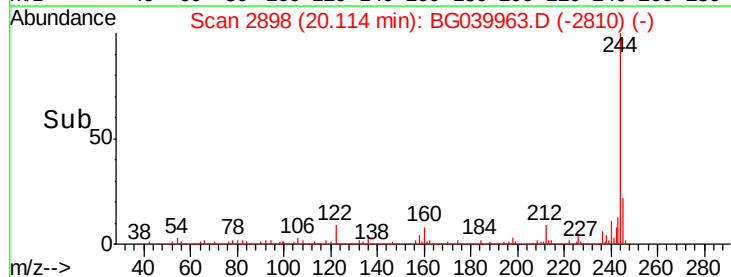
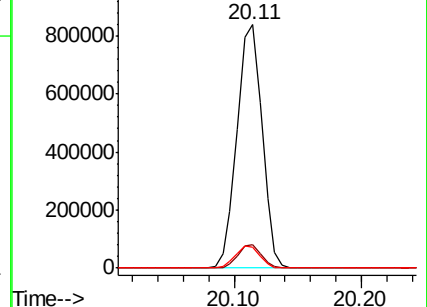
122 8.7 8.4 12.6

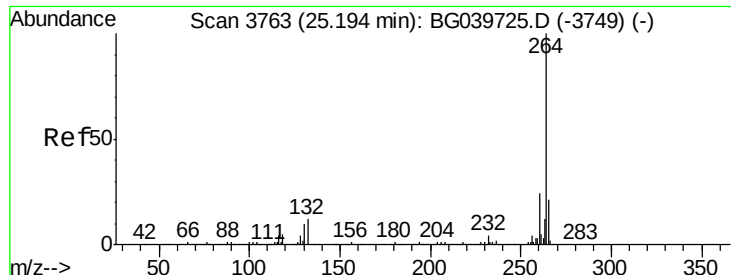


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039963.D
Acq: 16 Mar 2019 5:52

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-D

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	22.0	18.5	27.7

