

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
 Data File : BG040029.D
 Acq On : 20 Mar 2019 8:33
 Operator : JU/SJ
 Sample : K1697-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031519-B

Quant Time: Mar 20 10:55:56 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

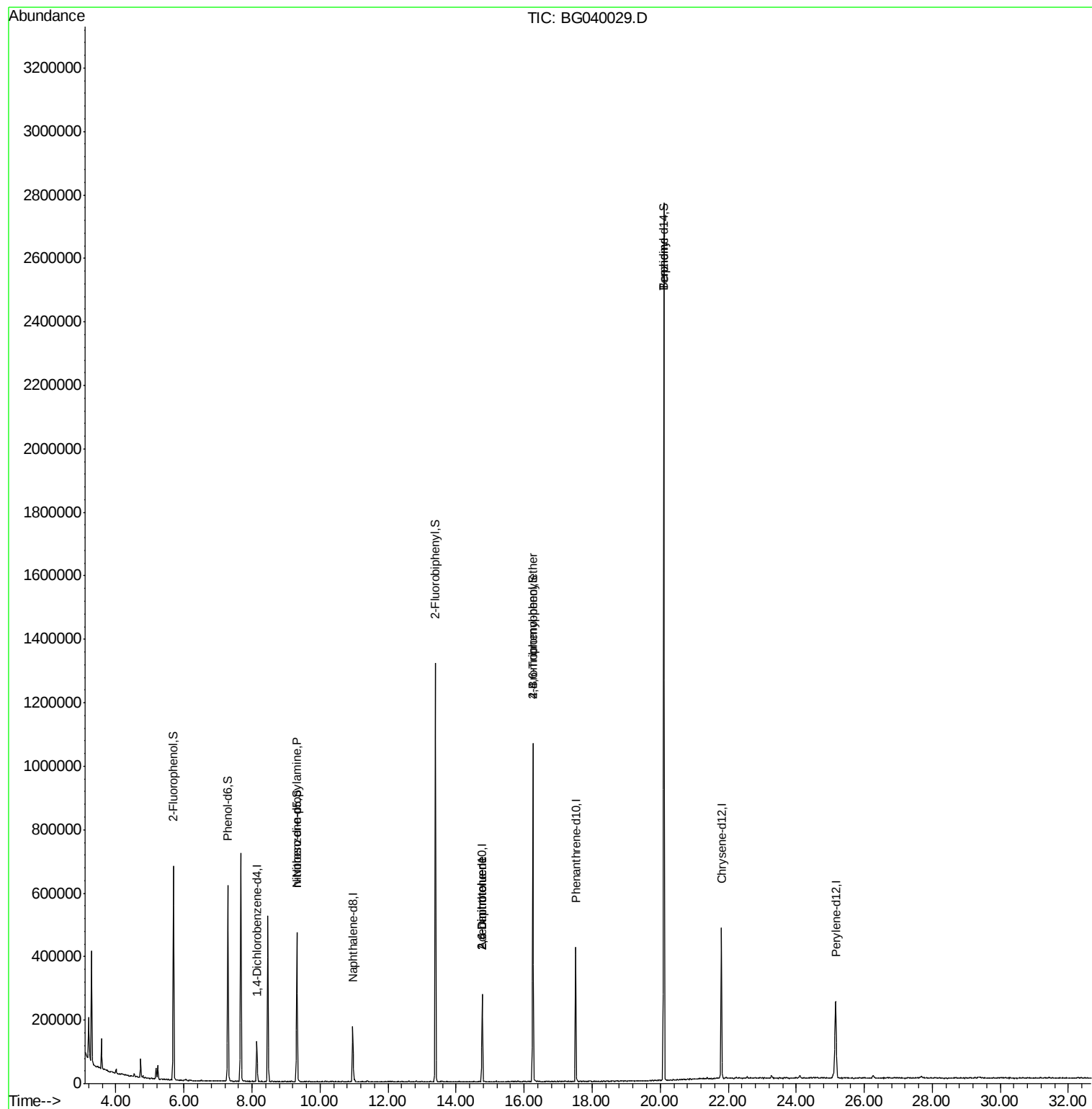
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	35115	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	143267	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	98447	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	263057	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	287898	20.00	ng	-0.03
87) Perylene-d12	25.16	264	279652	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	270045	131.20	ng	-0.02
7) Phenol-d6	7.29	99	348112	113.43	ng	-0.02
23) Nitrobenzene-d5	9.32	82	271005	102.31	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	173789	151.45	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	654384	94.64	ng	-0.02
79) Terphenyl-d14	20.11	244	1224465	93.65	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	35806	16.209	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	13016	7.458	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	13016	5.308	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	13362	4.538	ng	# 1
77) Benzidine	20.11	184	23364	2.557	ng	# 91

(#) = 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: BG040029.D

Acq: 20 Mar 2019 8:33

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-B

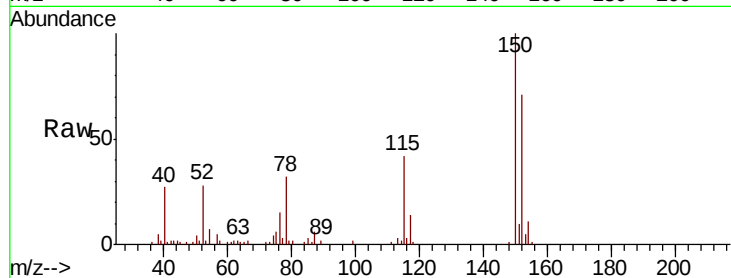
Tot Ion:152 Resp: 35115

Ion Ratio Lower Upper

152 100

150 141.2 123.7 185.5

115 59.7 45.9 68.9

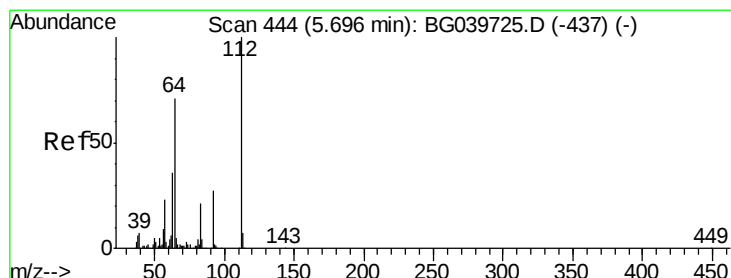
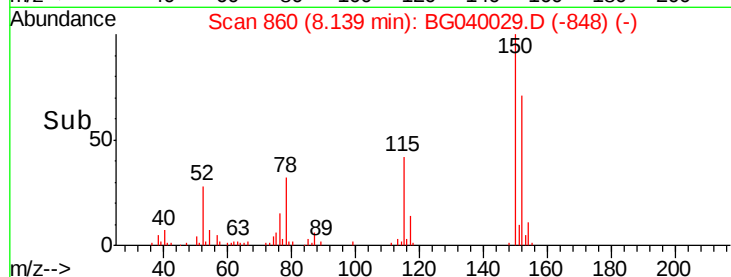
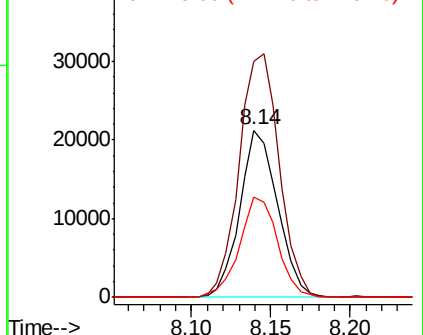


Abundance

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: 131.197 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

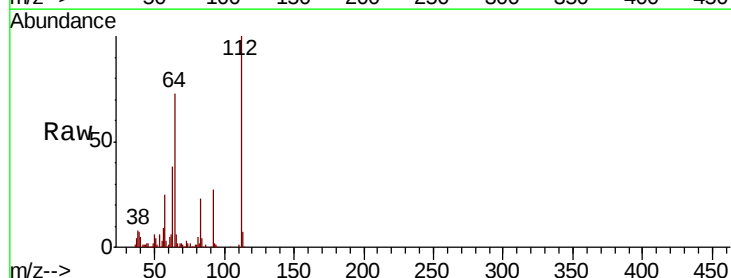
Tgt Ion:112 Resp: 270045

Ion Ratio Lower Upper

112 100

64 72.6 57.8 86.8

63 38.4 29.8 44.6

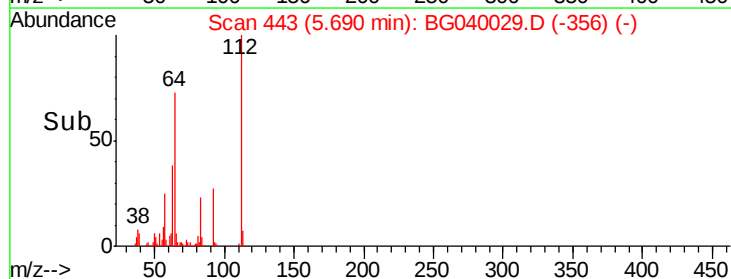
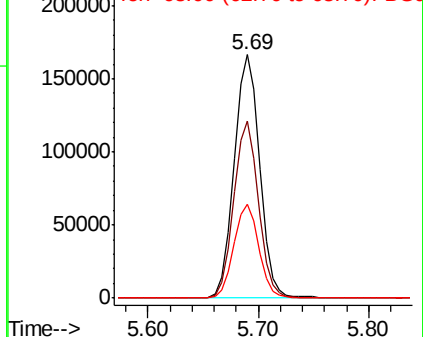


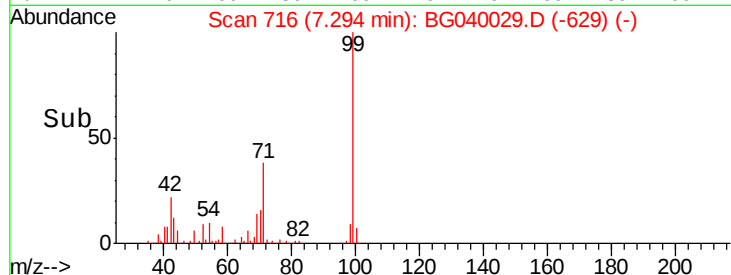
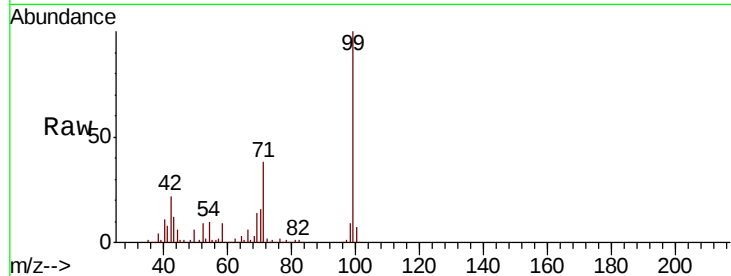
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.426 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-B

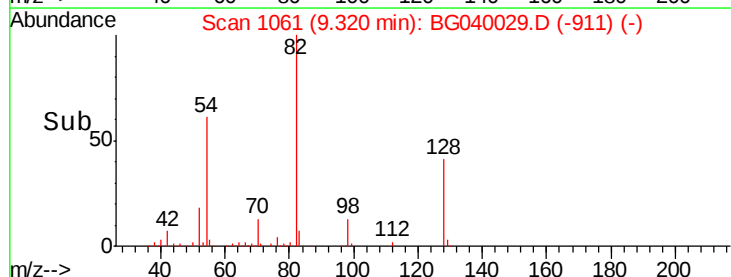
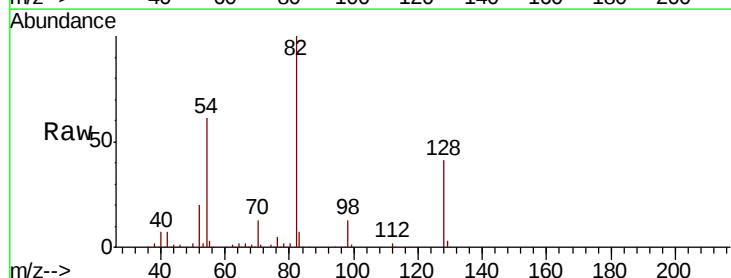
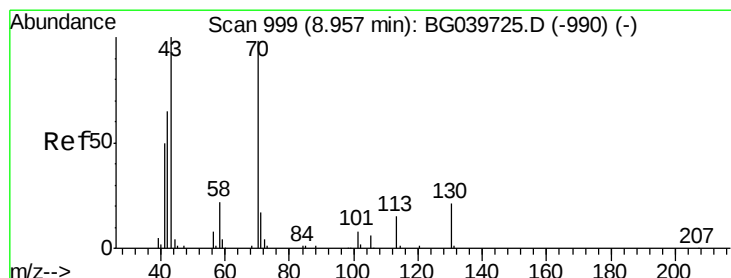
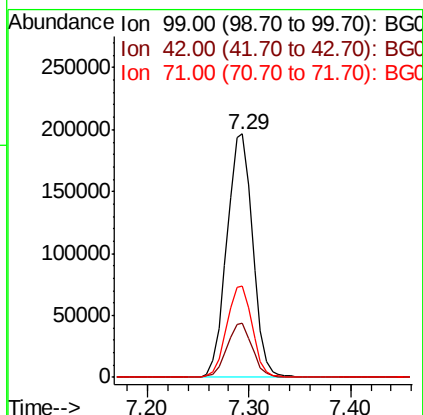
Tot Ion: 99 Resp: 348112

Ion Ratio Lower Upper

99 100

42 22.4 18.2 27.2

71 37.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.209 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

Tgt Ion: 70 Resp: 35806

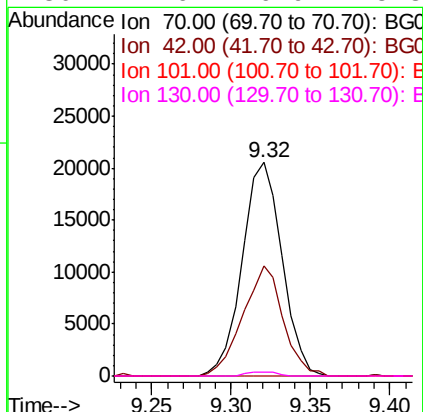
Ion Ratio Lower Upper

70 100

42 51.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#

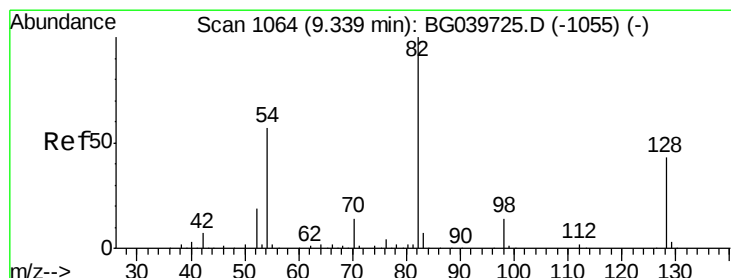
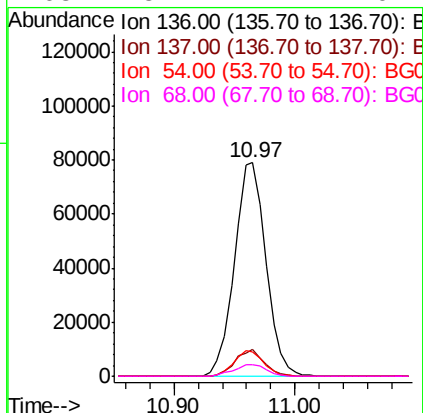
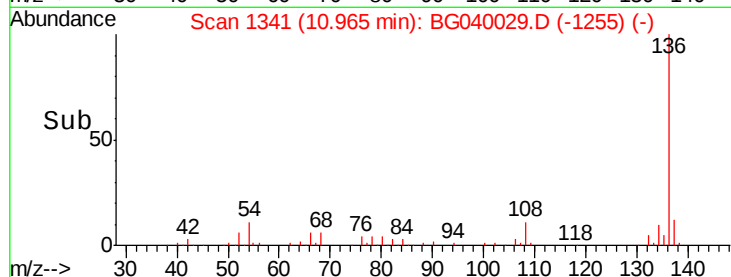
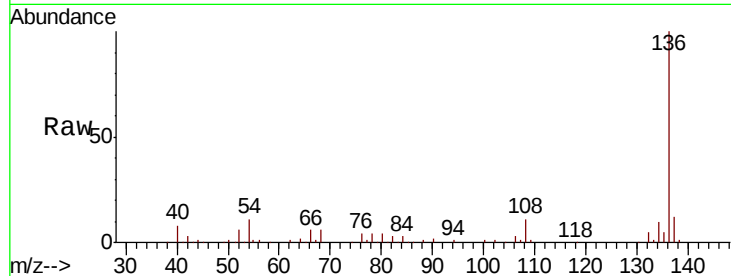




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040029.D
Acq: 20 Mar 2019 8:33

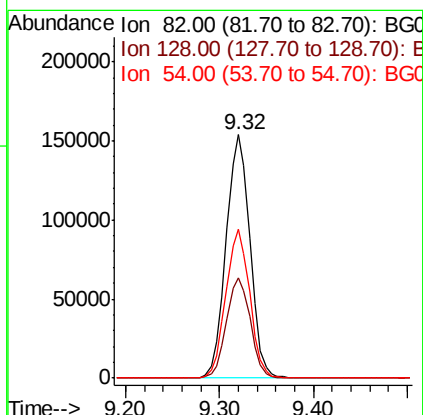
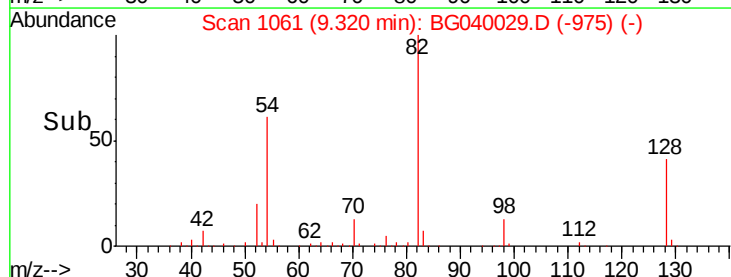
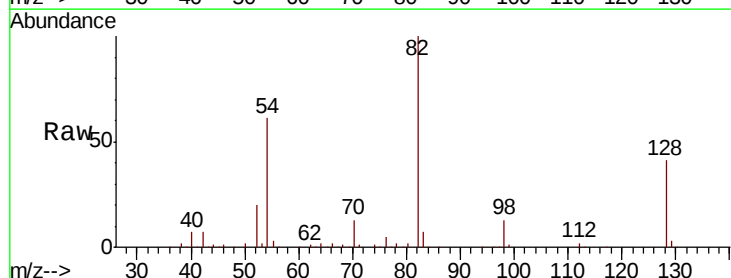
Instrument :
BNA_G
ClientSampleId :
SU-01-031519-B

Tot Ion:136	Resp:	143267
Ion	Ratio	Lower Upper
136	100	
137	12.4	9.1 13.7
54	11.5	9.4 14.2
68	5.7	4.2 6.4



#23
Nitrobenzene-d5
Concen: 102.306 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040029.D
Acq: 20 Mar 2019 8:33

Tgt Ion: 82	Resp:	271005
Ion	Ratio	Lower Upper
82	100	
128	41.3	31.3 46.9
54	61.4	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: BG040029.D

Acq: 20 Mar 2019 8:33

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-B

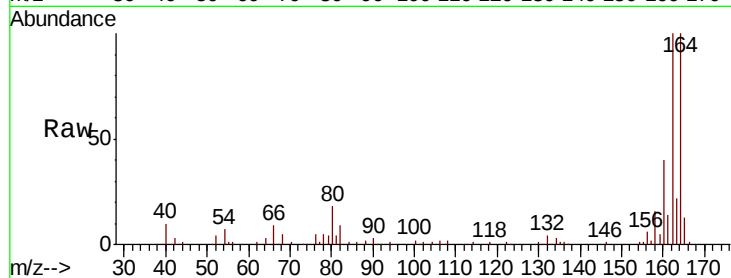
Tot Ion:164 Resp: 98447

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

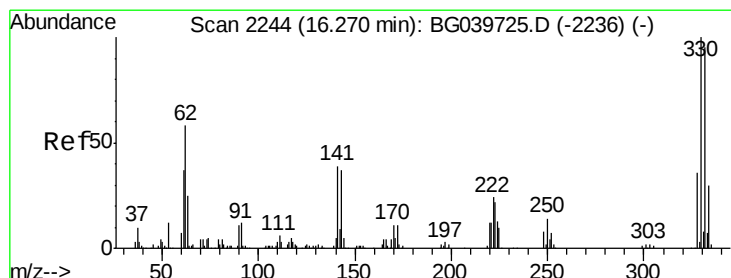
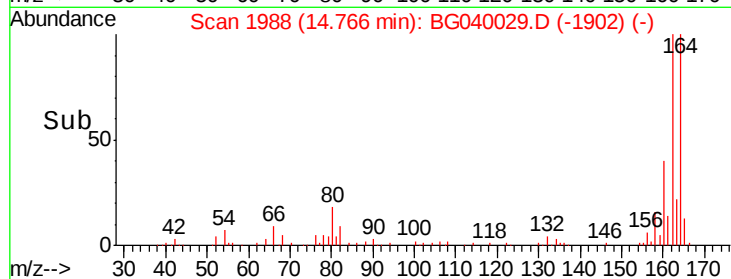
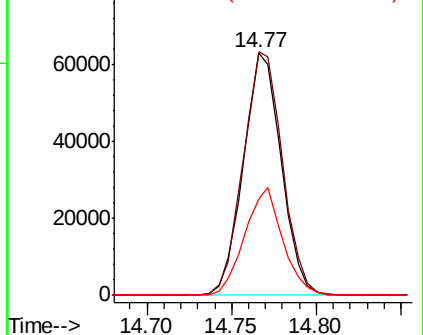
160 39.9 34.2 51.2



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: 151.454 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

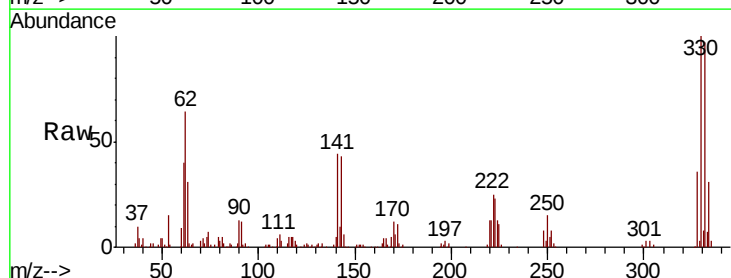
Tgt Ion:330 Resp: 173789

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

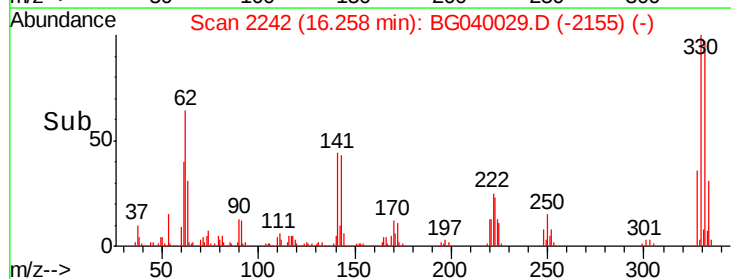
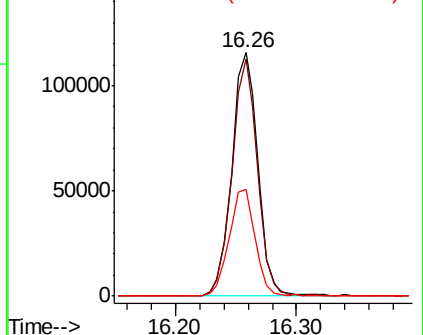
141 44.0 35.6 53.4



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

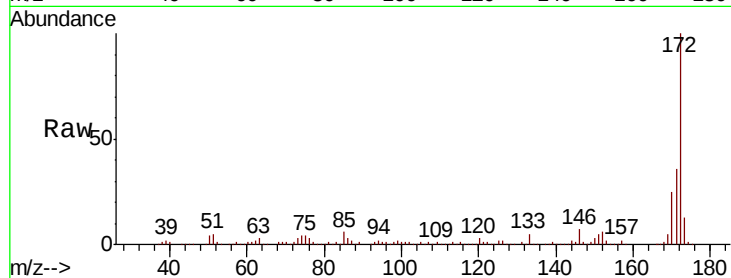




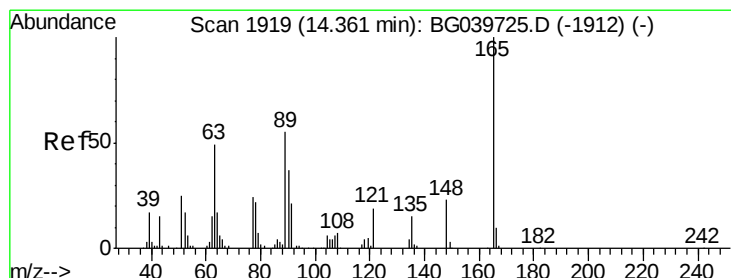
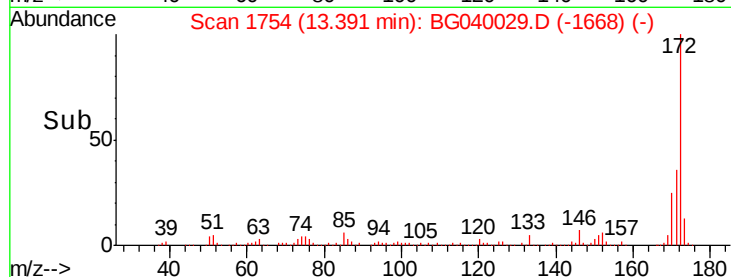
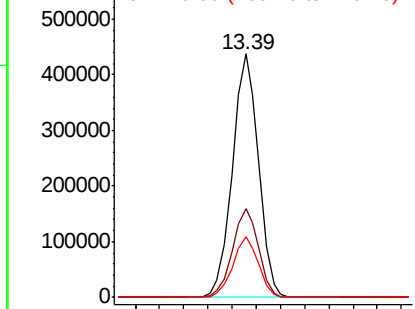
#45
2-Fluorobiphenyl
Concen: 94.643 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040029.D
Acq: 20 Mar 2019 8:33

Instrument :
BNA_G
ClientSampleId :
SU-01-031519-B

Tot Ion:172 Resp: 654384
Ion Ratio Lower Upper
172 100
171 36.4 30.8 46.2
170 24.8 20.2 30.4

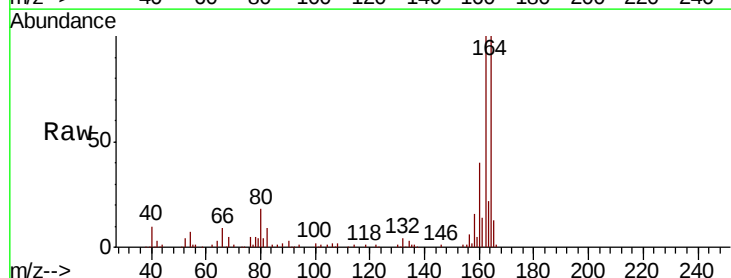


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

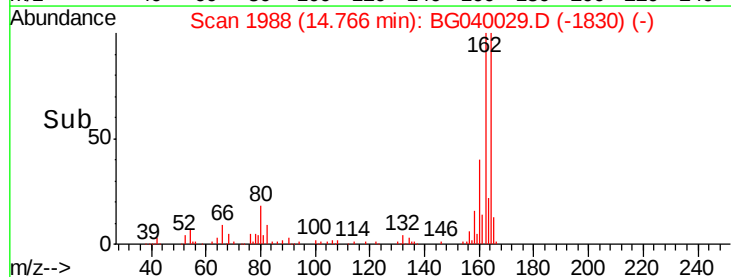
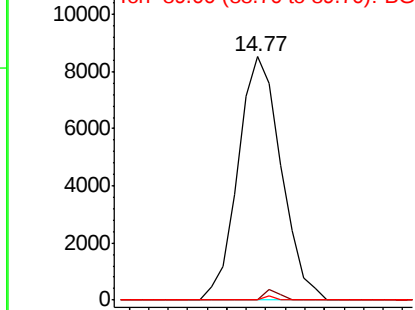


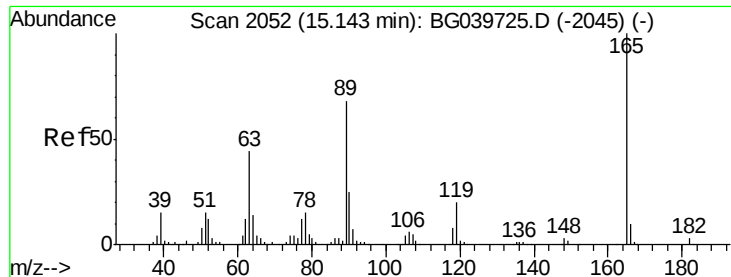
#51
2,6-Dinitrotoluene
Concen: 7.458 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040029.D
Acq: 20 Mar 2019 8:33

Tgt Ion:165 Resp: 13016
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 0.0 45.8 68.8#



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

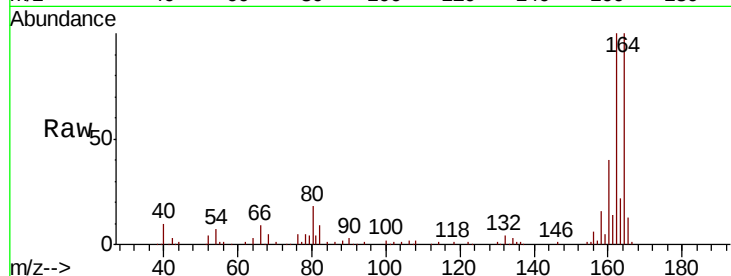




#57
 2,4-Dinitrotoluene
 Concen: 5.308 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040029.D
 Acq: 20 Mar 2019 8:33

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031519-B

Tot 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#

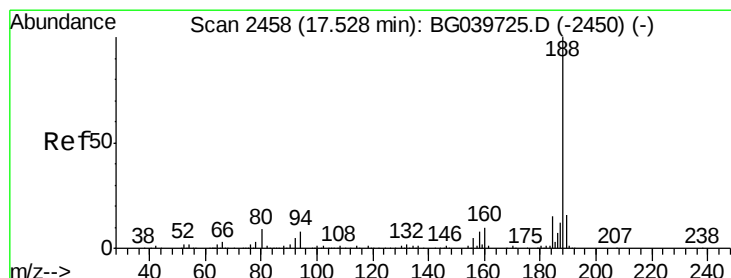
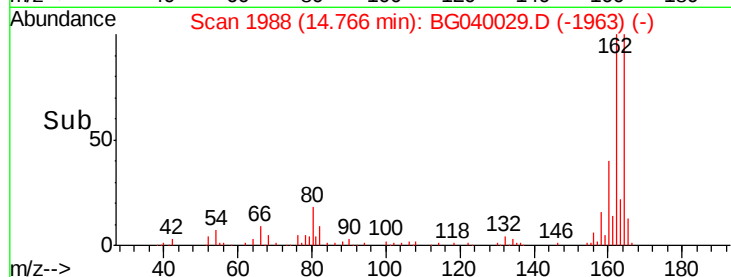
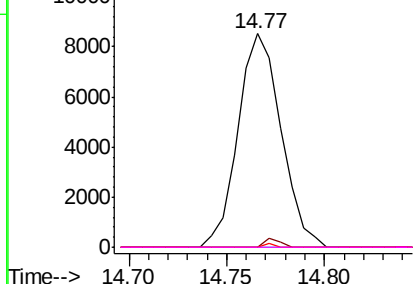


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

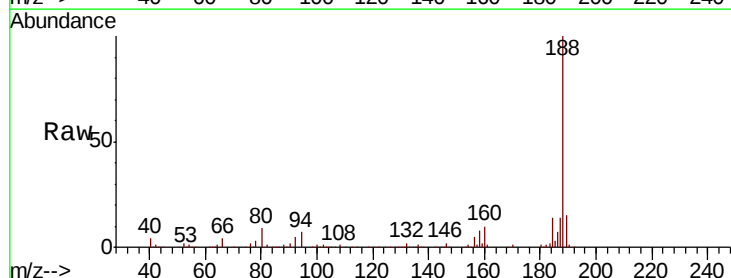
Ion 89.00 (88.70 to 89.70): BGC

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: BG040029.D
 Acq: 20 Mar 2019 8:33

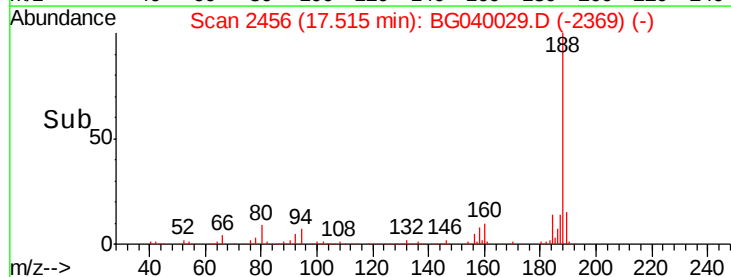
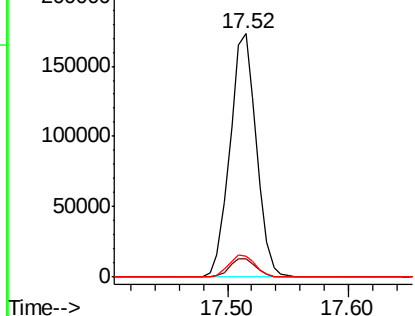
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.9	10.3
80	8.6	8.1	12.1

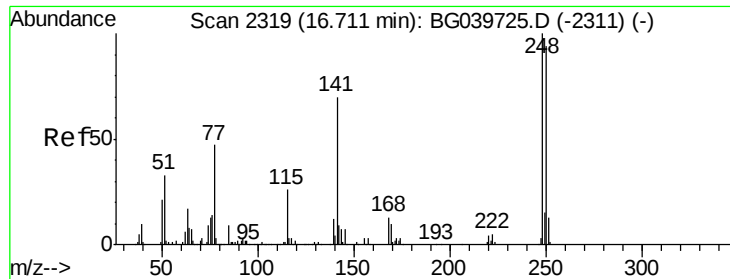


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.538 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.47 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

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SU-01-031519-B

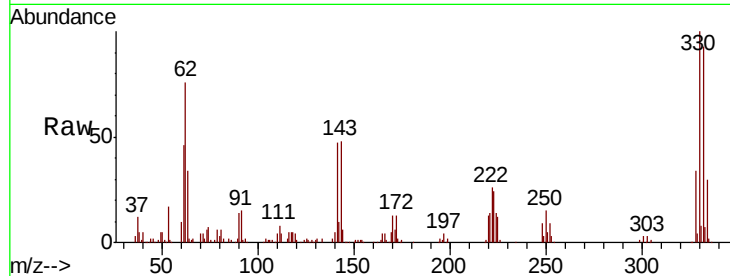
Tot Ion:248 Resp: 13362

Ion Ratio Lower Upper

248 100

250 180.5 77.6 116.4#

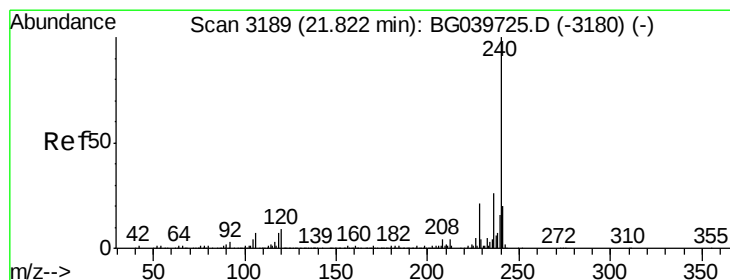
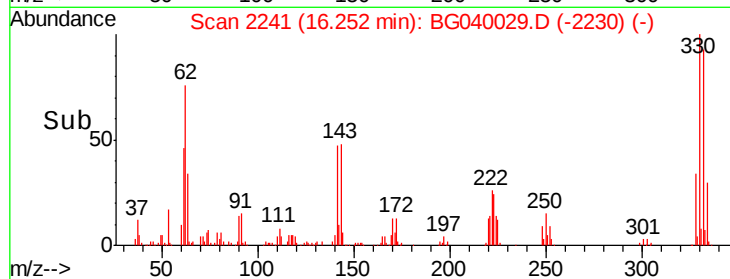
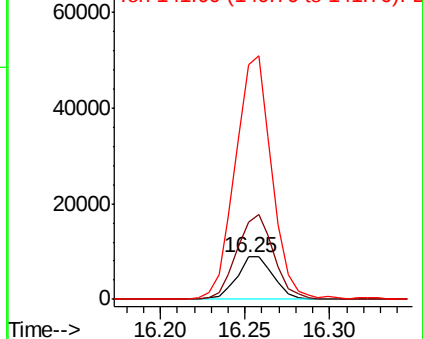
141 553.2 63.9 95.9#



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: BG040029.D

Acq: 20 Mar 2019 8:33

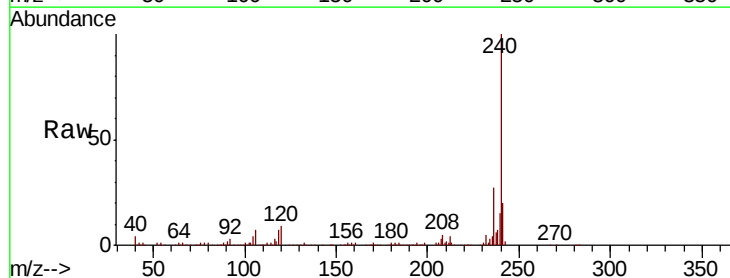
Tgt Ion:240 Resp: 287898

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

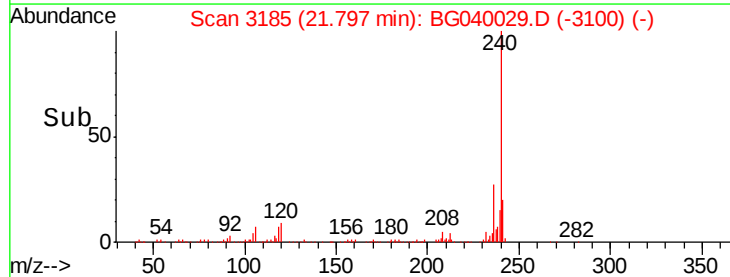
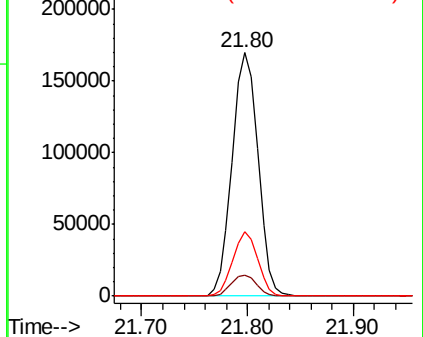
236 26.6 21.0 31.4

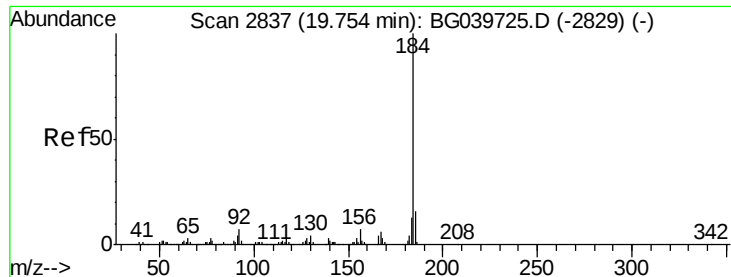


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.557 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

Instrument :

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ClientSampleId :

SU-01-031519-B

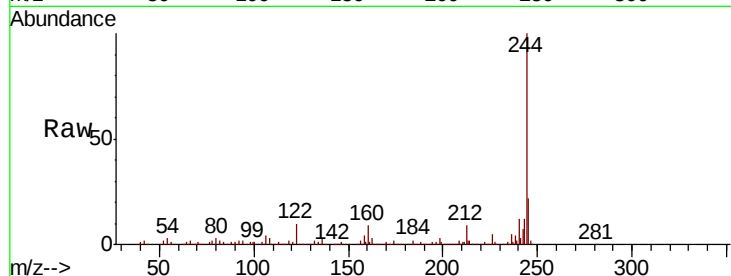
Tot Ion:184 Resp: 23364

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

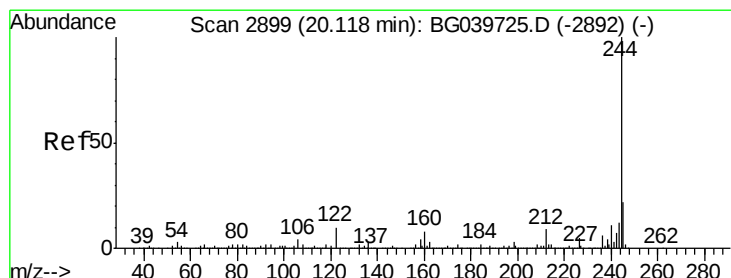
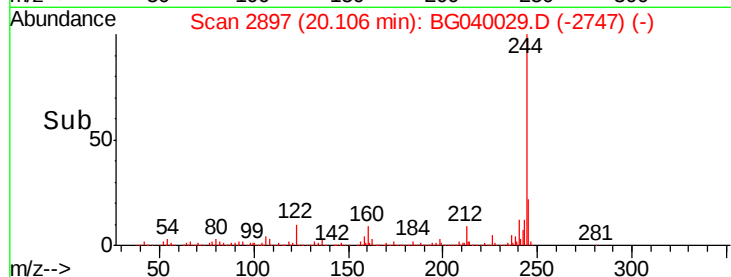
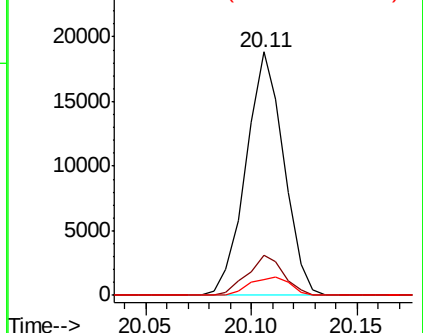
183 6.6 10.6 15.8#



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: 93.645 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040029.D

Acq: 20 Mar 2019 8:33

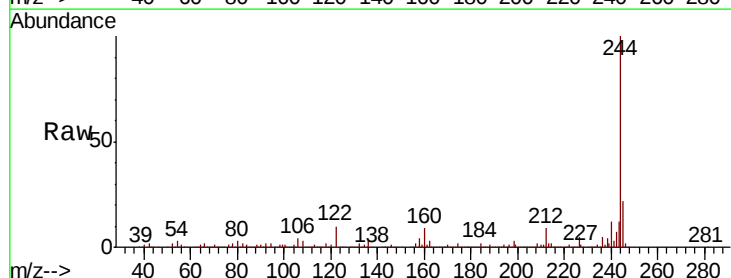
Tgt Ion:244 Resp: 1224465

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

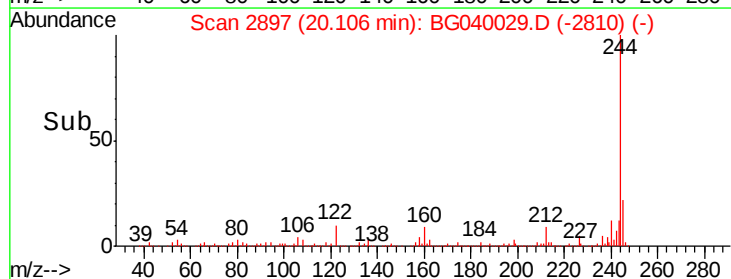
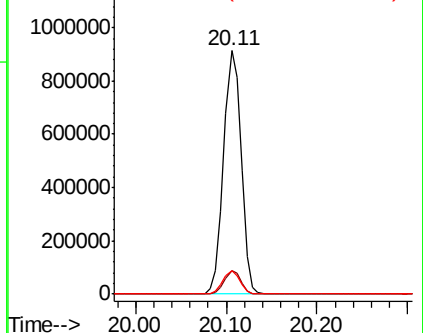
122 9.5 8.4 12.6

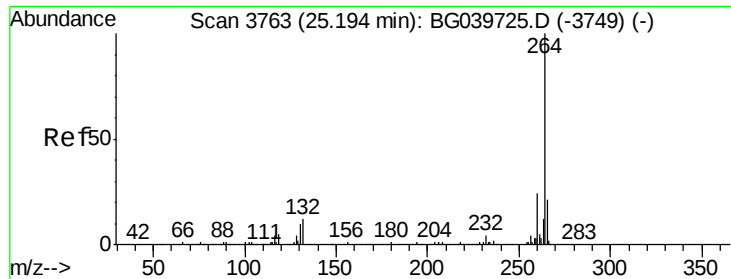


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040029.D
Acq: 20 Mar 2019 8:33

Instrument :
BNA_G
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.2	18.5	27.7

