

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040219\
 Data File : BG040316.D
 Acq On : 3 Apr 2019 4:04
 Operator : JU/SJ
 Sample : K2182-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 04:47:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

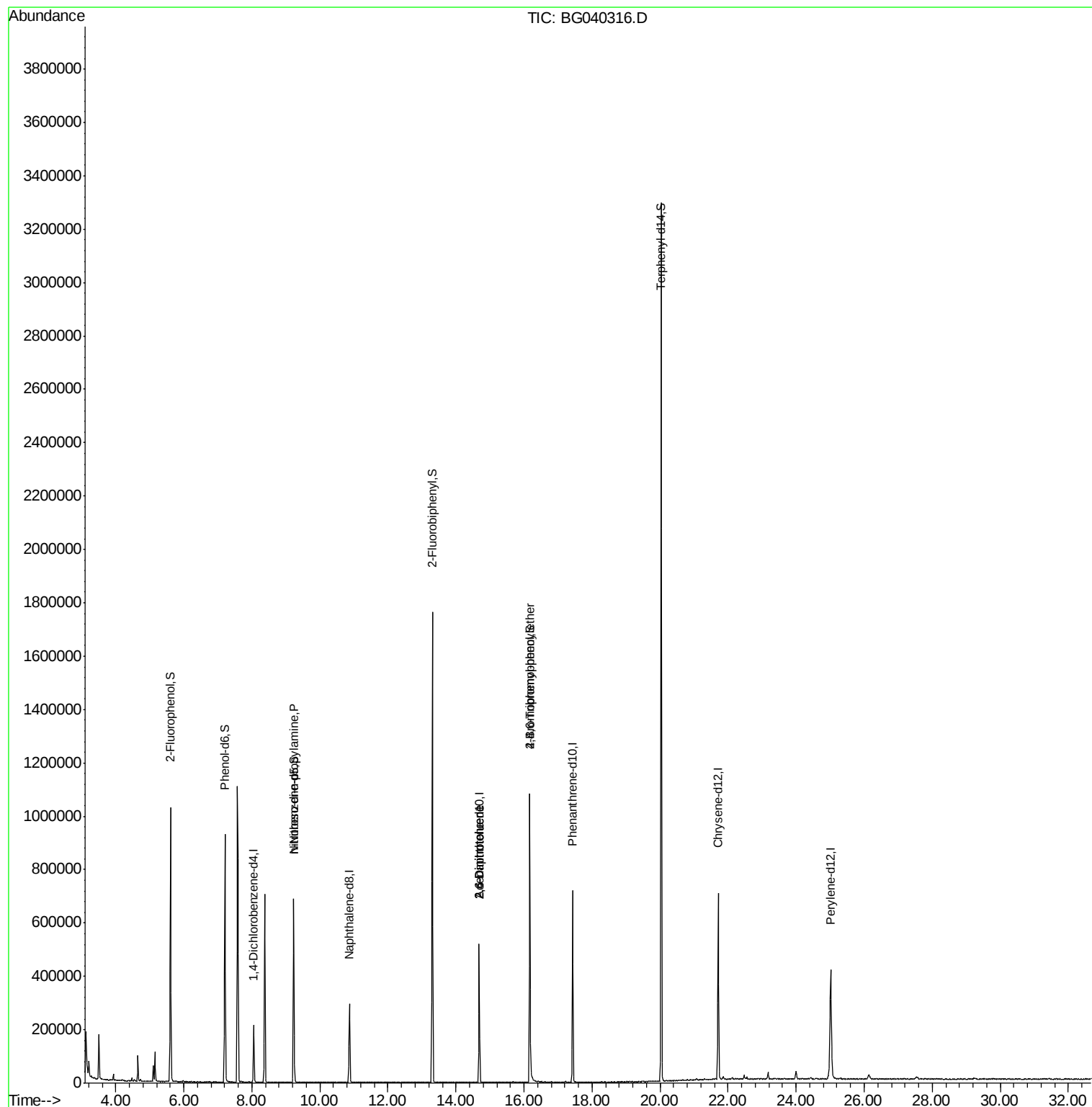
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62470	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	258344	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	181763	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	454399	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	463125	20.00	ng	-0.03
87) Perylene-d12	25.02	264	457268	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	438741	116.75	ng	-0.01
7) Phenol-d6	7.21	99	569841	109.73	ng	-0.01
23) Nitrobenzene-d5	9.23	82	419659	86.34	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	205519	104.62	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	956002	77.93	ng	-0.02
79) Terphenyl-d14	20.03	244	1679246	81.57	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	53333	14.323	ng	# 73
51) 2,6-Dinitrotoluene	14.68	165	22841	7.151	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	22841	5.146	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	16510	3.229	ng	# 1

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

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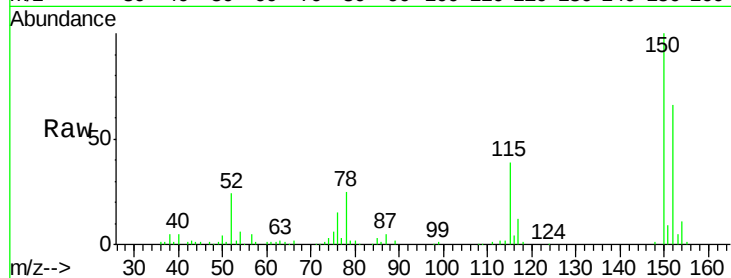


#1

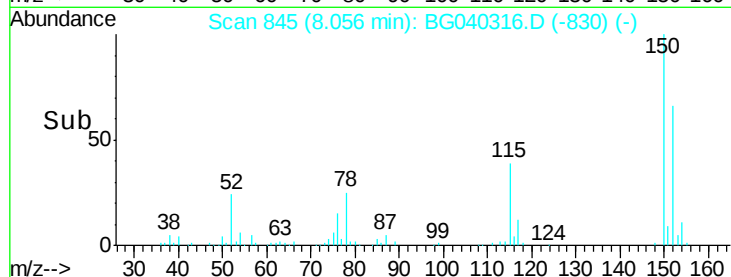
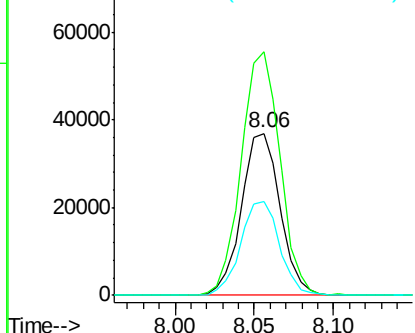
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62470
Ion Ratio Lower Upper
152 100
150 150.4 123.7 185.5
115 58.0 46.9 70.3



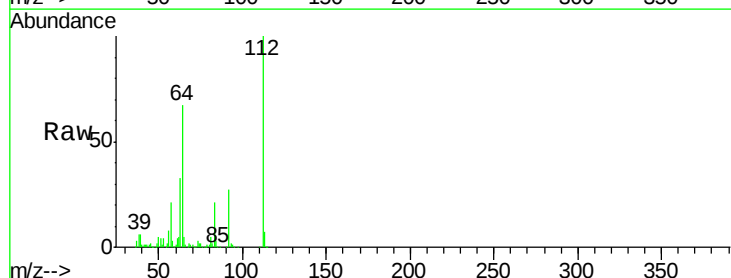
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



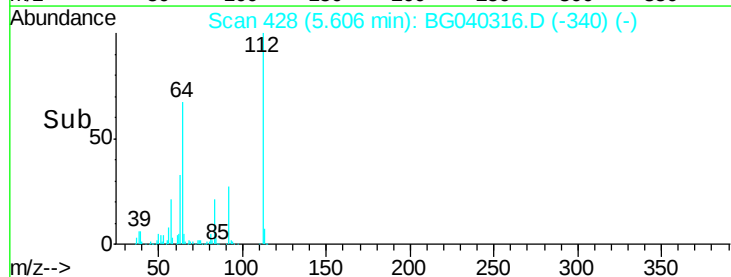
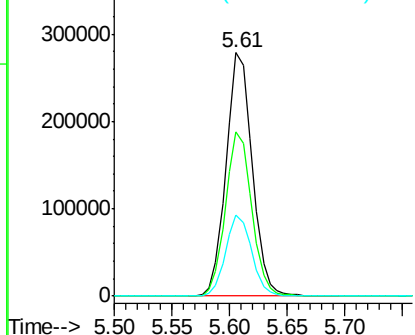
#5

2-Fluorophenol
Concen: 116.755 ng
RT: 5.61 min Scan# 428
Delta R.T. -0.01 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

Tgt Ion:112 Resp: 438741
Ion Ratio Lower Upper
112 100
64 67.4 54.2 81.2
63 33.2 26.4 39.6



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: 109.726 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

Instrument :

BNA_G

ClientSampleId :

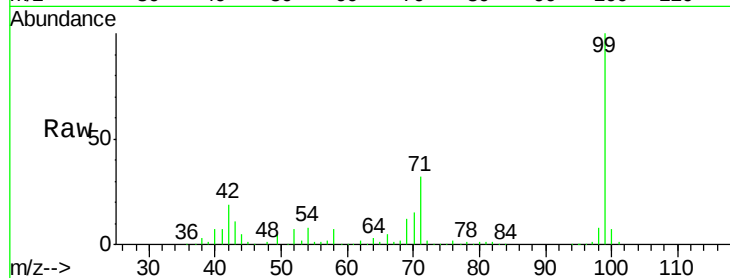
Tot Ion: 99 Resp: 569841

Ion Ratio Lower Upper

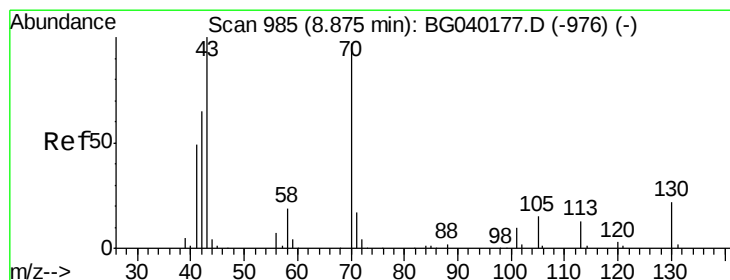
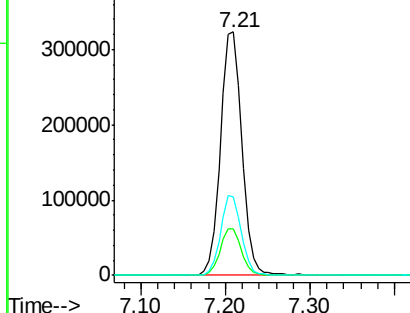
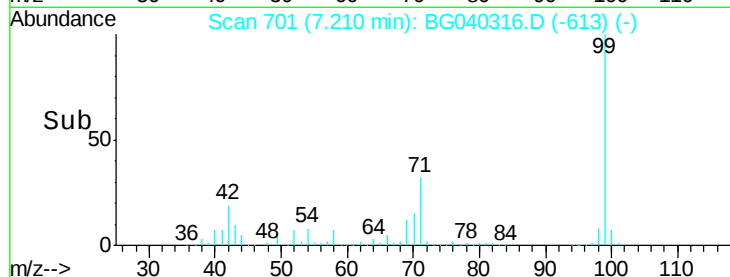
99 100

42 19.0 16.2 24.2

71 32.4 26.8 40.2



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: 14.323 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

Tgt Ion: 70 Resp: 53333

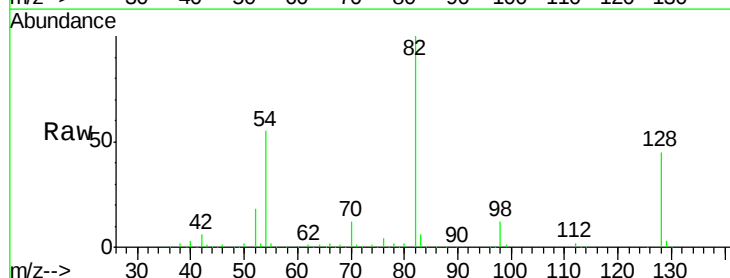
Ion Ratio Lower Upper

70 100

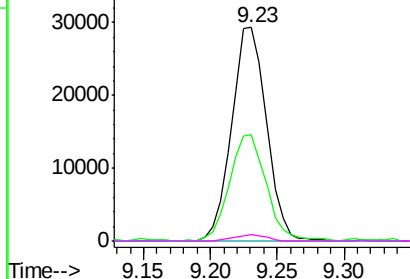
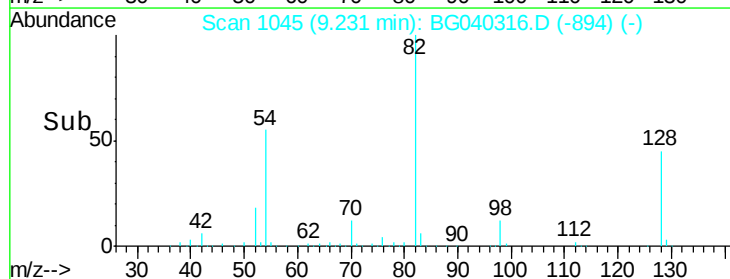
42 49.5 54.0 81.0#

101 0.0 8.6 13.0#

130 3.2 18.2 27.2#



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

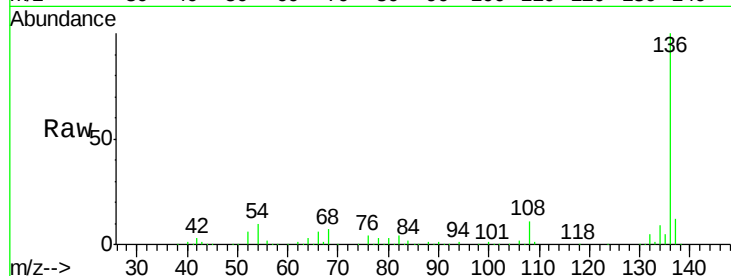




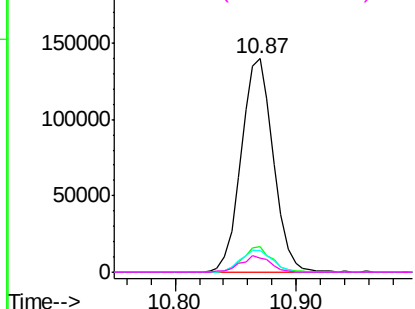
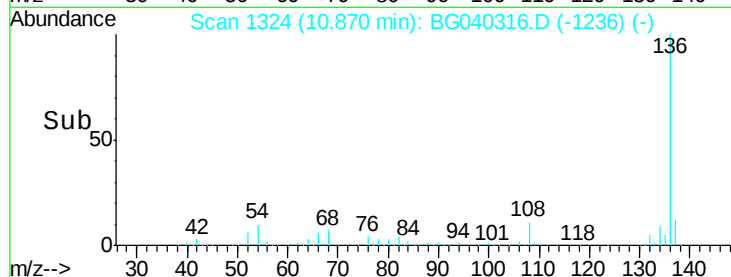
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	258344
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.9 13.3
54	10.4	9.6 14.4
68	6.9	5.1 7.7

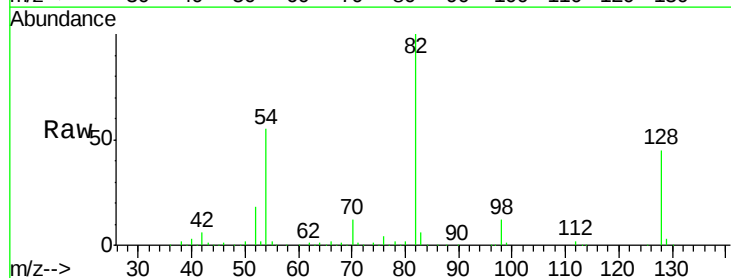


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

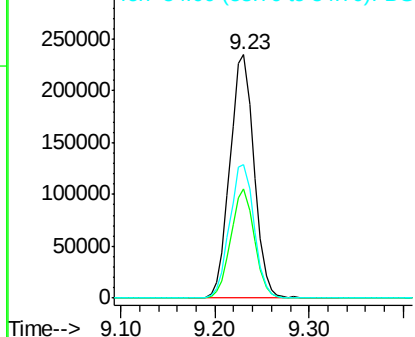
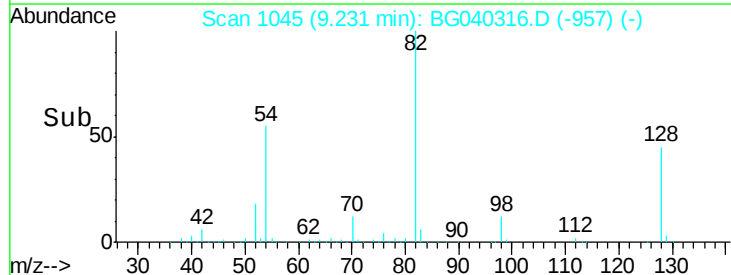


#23
Nitrobenzene-d5
Concen: 86.343 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

Tgt Ion: 82	Resp:	419659
Ion	Ratio	Lower Upper
82	100	
128	44.6	35.8 53.8
54	55.1	46.2 69.2



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

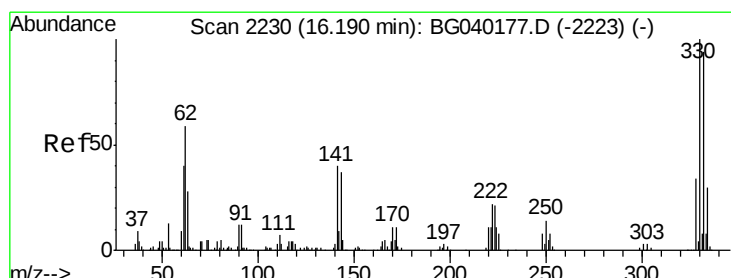
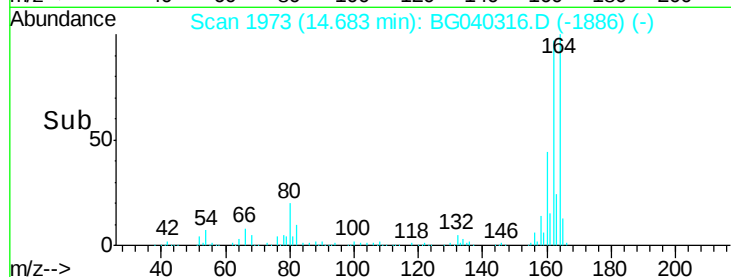
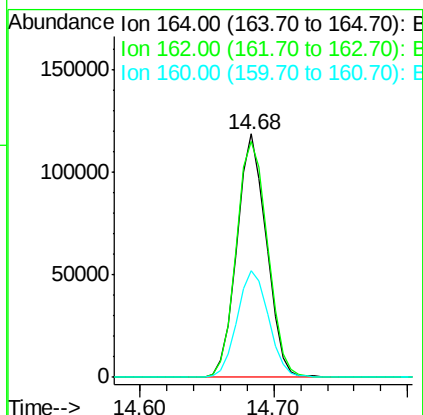
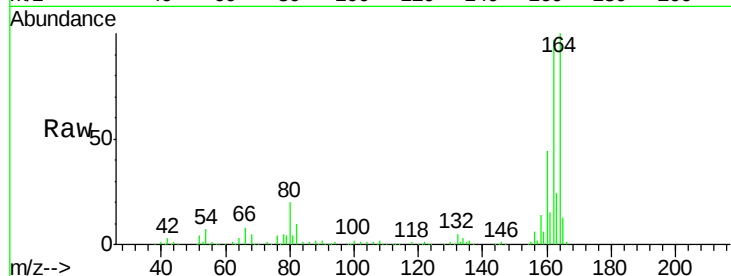




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

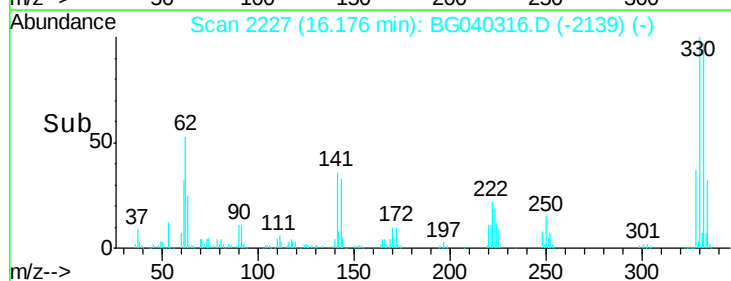
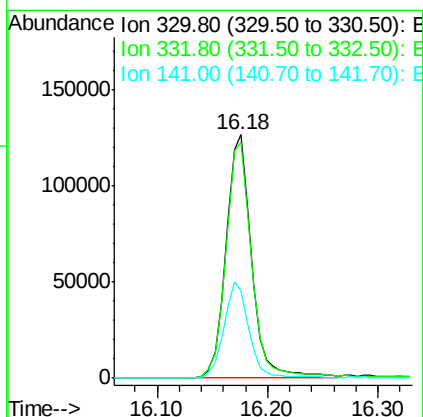
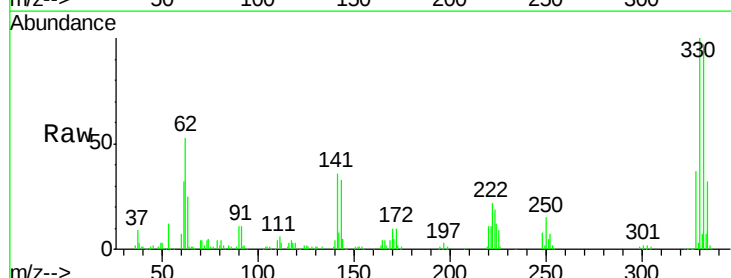
Instrument :
BNA_G
ClientSampleId :

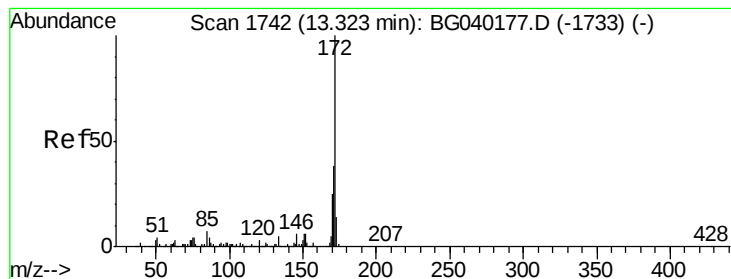
Tot Ion:164 Resp: 181763
Ion Ratio Lower Upper
164 100
162 96.9 77.4 116.2
160 43.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 104.623 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG040316.D
Acq: 3 Apr 2019 4:04

Tgt Ion:330 Resp: 205519
Ion Ratio Lower Upper
330 100
332 98.7 76.6 115.0
141 39.1 32.6 48.8





#45

2-Fluorobiphenyl

Concen: 77.935 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.02 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

Instrument :

BNA_G

ClientSampleId :

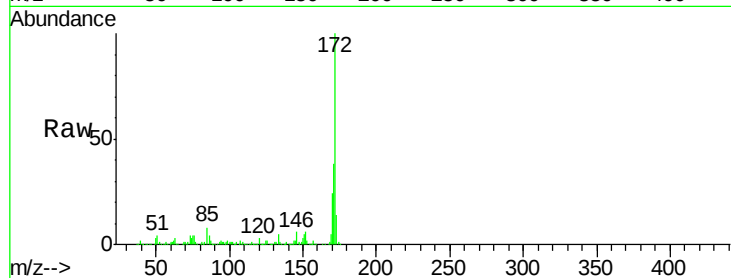
Tot Ion:172 Resp: 956002

Ion Ratio Lower Upper

172 100

171 37.6 30.5 45.7

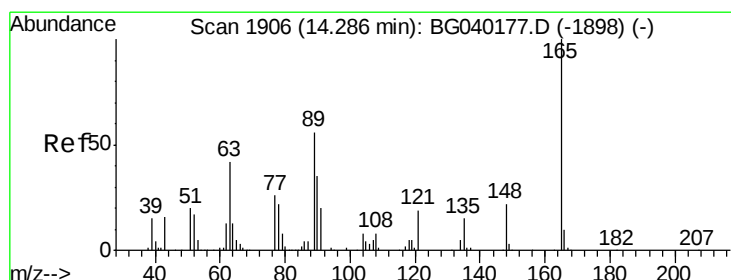
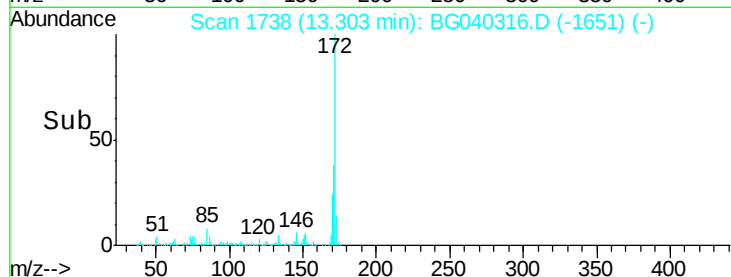
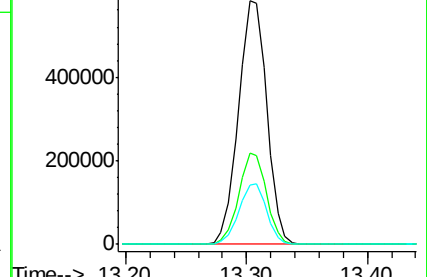
170 24.4 20.1 30.1



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: 7.151 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.40 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

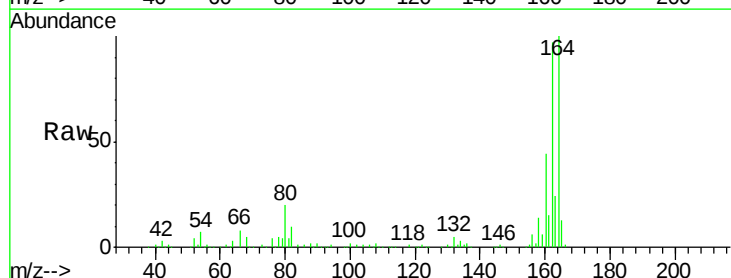
Tgt Ion:165 Resp: 22841

Ion Ratio Lower Upper

165 100

63 1.5 44.1 66.1#

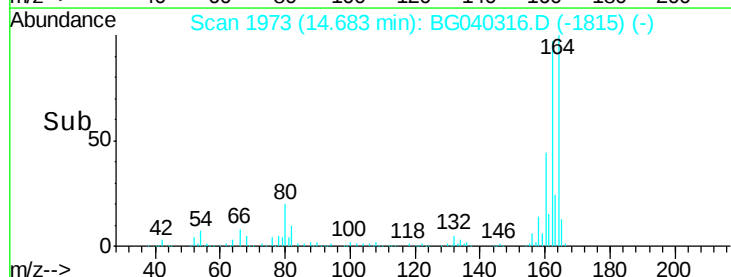
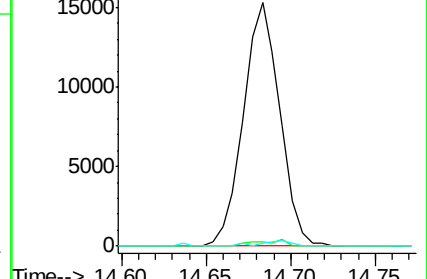
89 1.0 44.9 67.3#



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

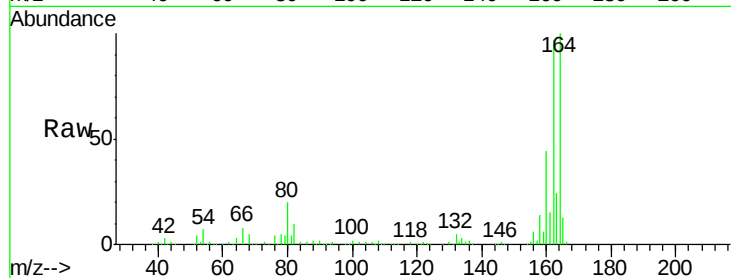




#57
 2,4-Dinitrotoluene
 Concen: 5.146 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG040316.D
 Acq: 3 Apr 2019 4:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.6#
89	1.0	55.4	83.2#
182	0.0	2.2	3.4#

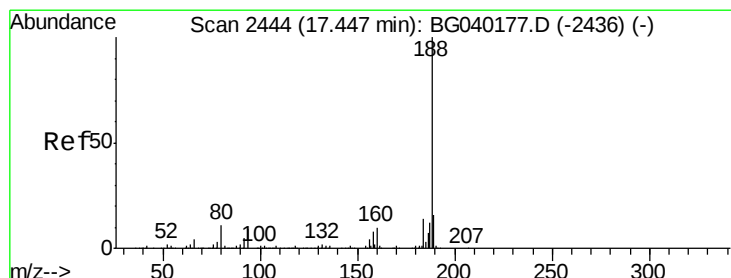
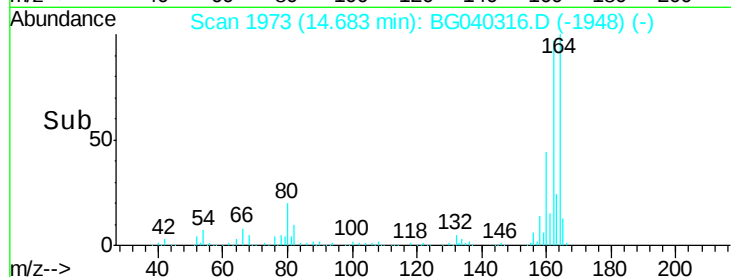
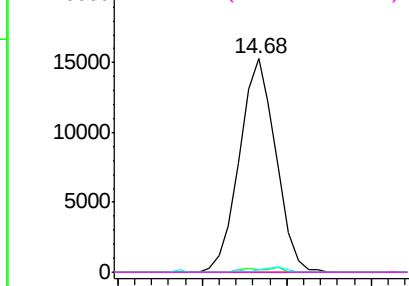


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

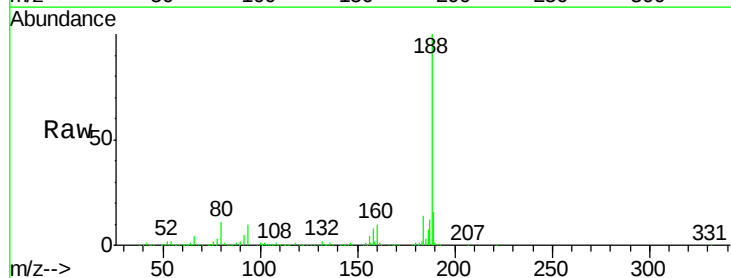
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040316.D
 Acq: 3 Apr 2019 4:04

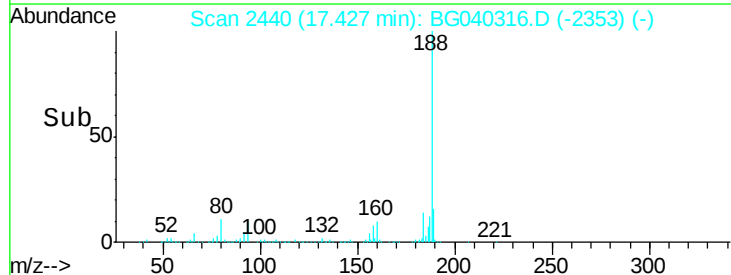
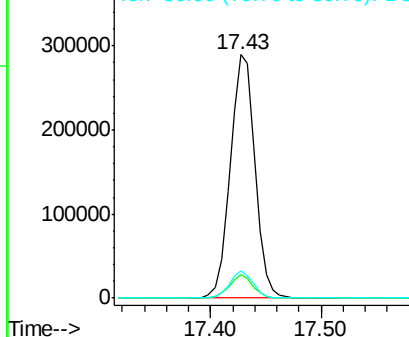
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.4
80	11.1	8.6	13.0



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: 3.229 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

Instrument :

BNA_G

ClientSampleId :

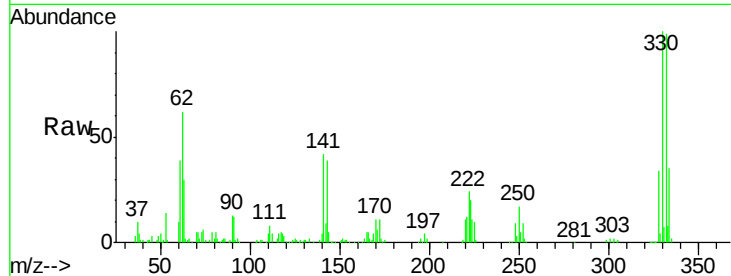
Tot Ion:248 Resp: 16510

Ion Ratio Lower Upper

248 100

250 184.0 76.4 114.6#

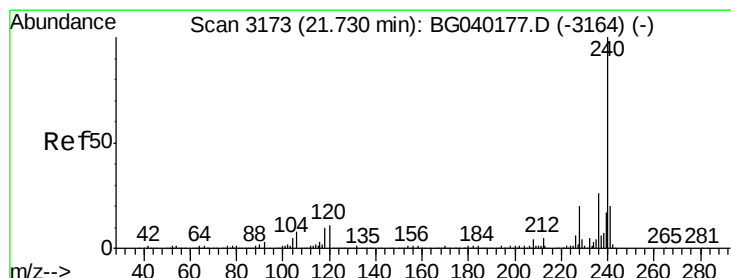
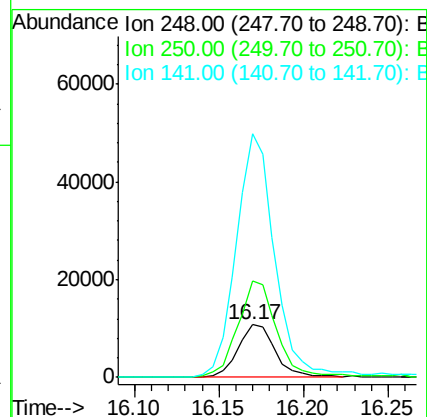
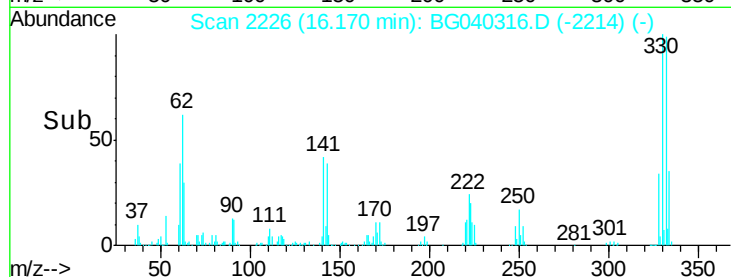
141 462.1 53.8 80.8#



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: 21.70 min Scan# 3168

Delta R.T. -0.03 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

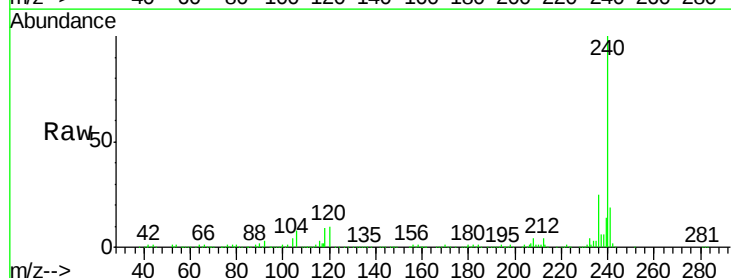
Tgt Ion:240 Resp: 463125

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

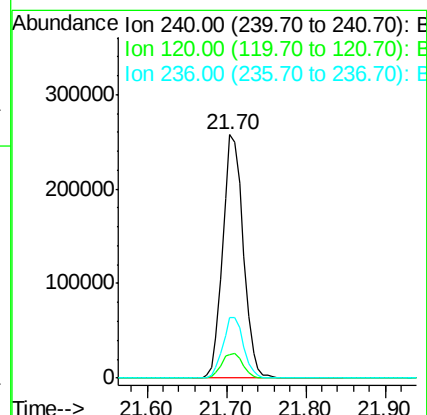
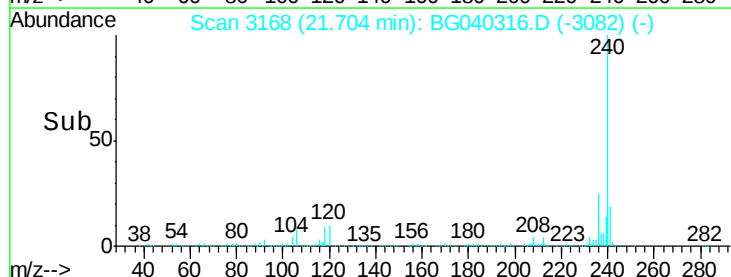
236 25.0 20.8 31.2



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





#79

Terphenyl-d14

Concen: 81.570 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

Instrument :

BNA_G

ClientSampleId :

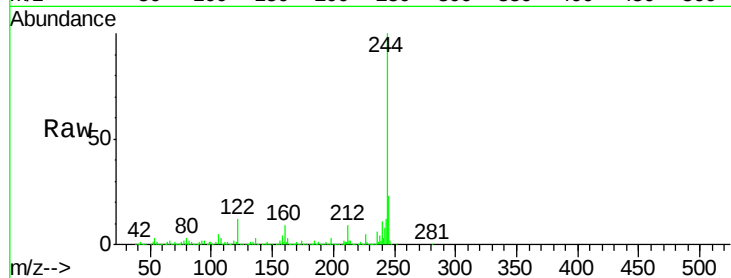
Tot Ion:244 Resp: 1679246

Ion Ratio Lower Upper

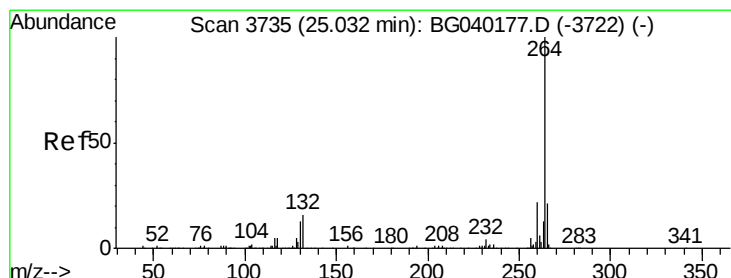
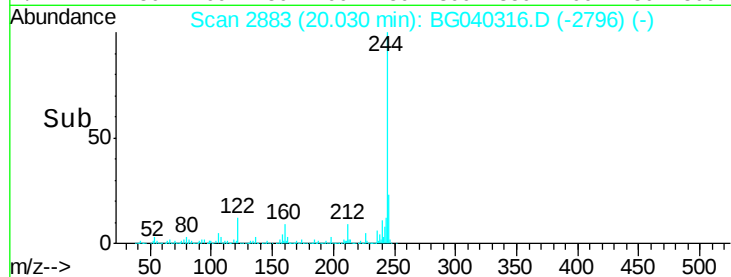
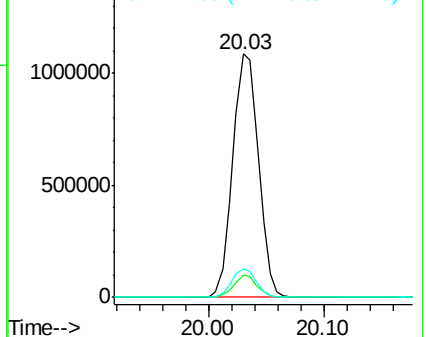
244 100

212 8.9 7.0 10.6

122 12.0 8.5 12.7



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG040316.D

Acq: 3 Apr 2019 4:04

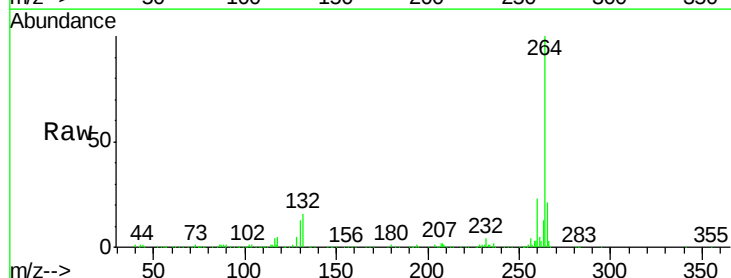
Tgt Ion:264 Resp: 457268

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 21.4 16.8 25.2



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

