

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039082.D
 Acq On : 11 Jan 2019 10:20
 Operator : JU/SJ
 Sample : K1082-09RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 11:02:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

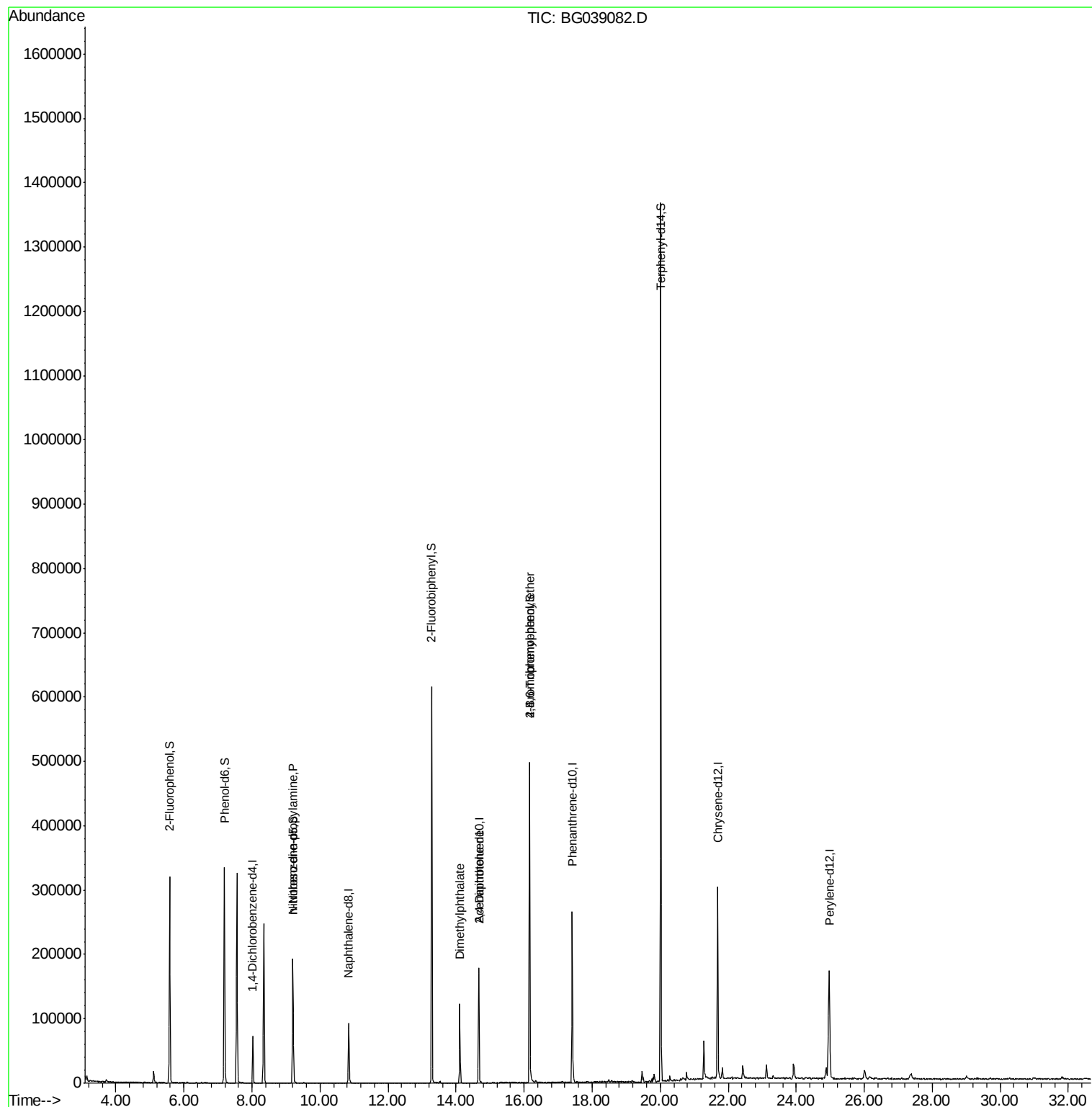
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	21810	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	90077	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	66834	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	180738	20.00	ng	0.00
76) Chrysene-d12	21.69	240	192177	20.00	ng	-0.01
87) Perylene-d12	24.97	264	209028	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	148427	129.10	ng	0.00
7) Phenol-d6	7.19	99	204325	123.49	ng	0.00
23) Nitrobenzene-d5	9.20	82	118577	72.03	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	122529	109.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	343795	70.40	ng	0.00
79) Terphenyl-d14	20.02	244	709819	68.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	15158	13.951	ng	Qvalue # 64
50) Dimethylphthalate	14.11	163	90165	15.965	ng	# 98
57) 2,4-Dinitrotoluene	14.66	165	8637	4.768	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	8035	3.458	ng	# 1

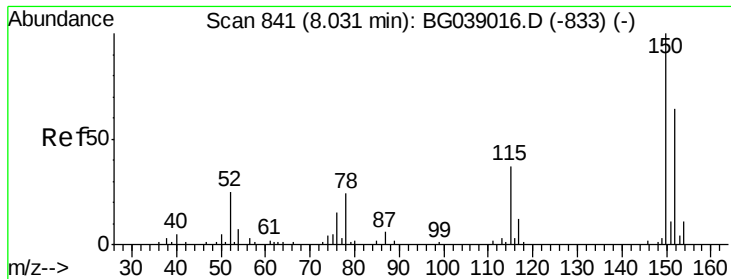
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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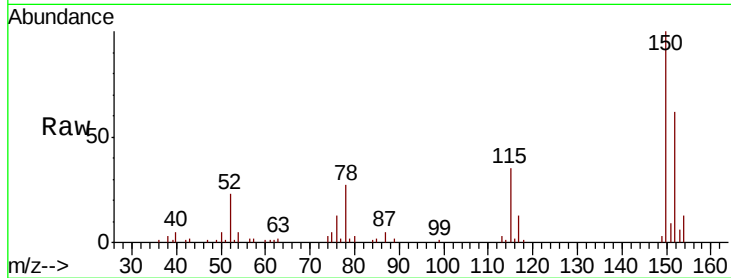


#1

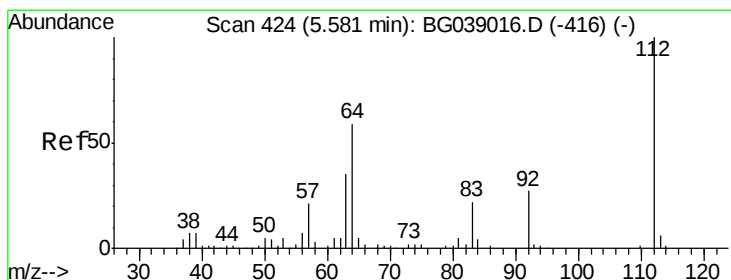
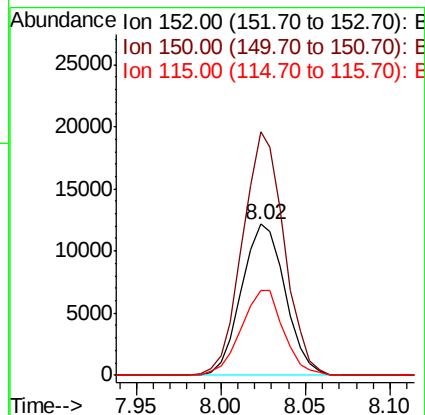
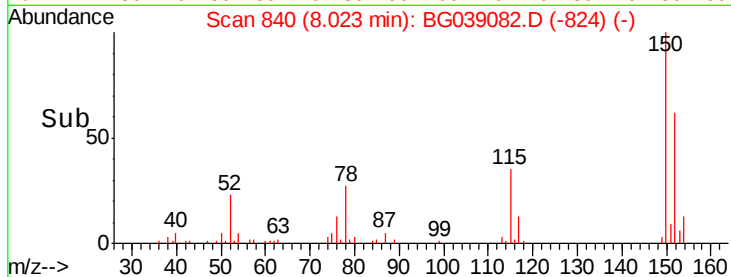
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039082.D
Acq: 11 Jan 2019 10:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21810
Ion Ratio Lower Upper
152 100
150 161.2 124.7 187.1
115 56.4 46.5 69.7



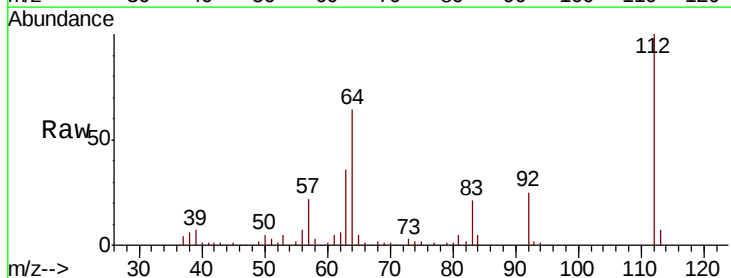
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



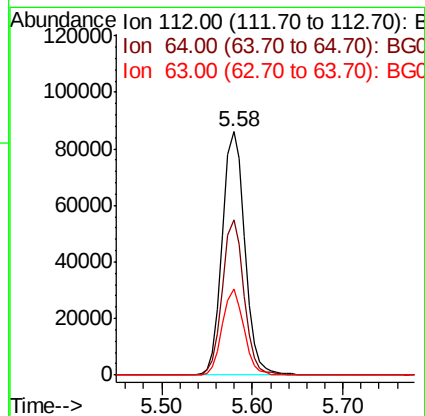
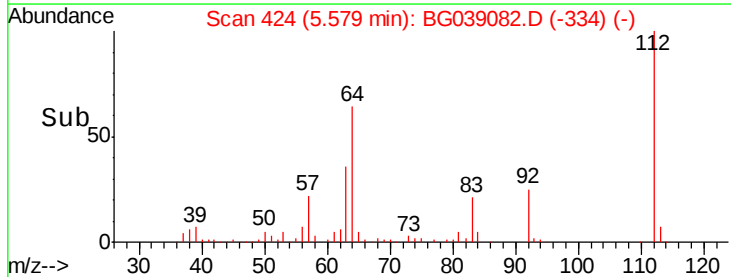
#5

2-Fluorophenol
Concen: 129.098 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039082.D
Acq: 11 Jan 2019 10:20

Tgt Ion:112 Resp: 148427
Ion Ratio Lower Upper
112 100
64 63.8 47.0 70.6
63 35.5 28.0 42.0



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: 123.489 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

Instrument :

BNA_G

ClientSampleId :

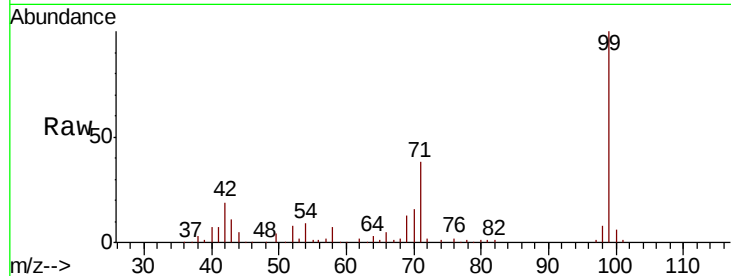
Tot Ion: 99 Resp: 204325

Ion Ratio Lower Upper

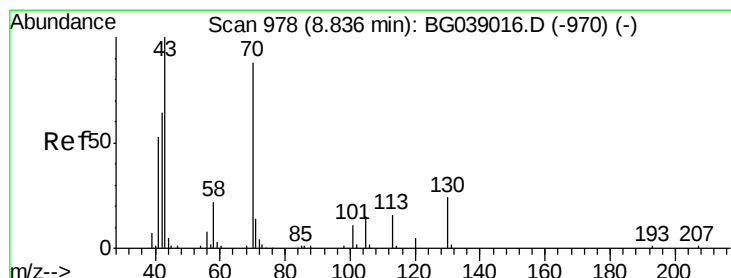
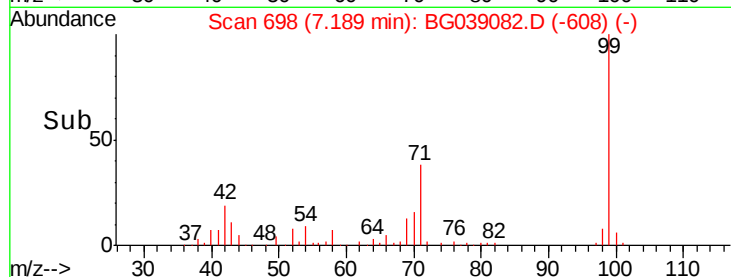
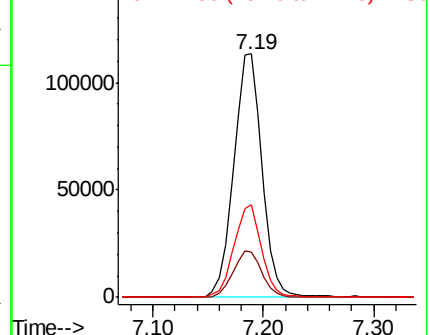
99 100

42 18.8 15.8 23.6

71 38.1 30.2 45.4



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: 13.951 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

Tgt Ion: 70 Resp: 15158

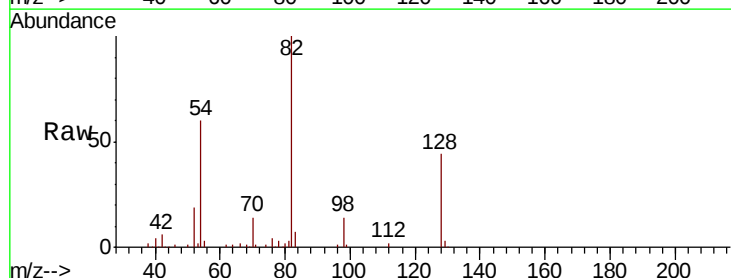
Ion Ratio Lower Upper

70 100

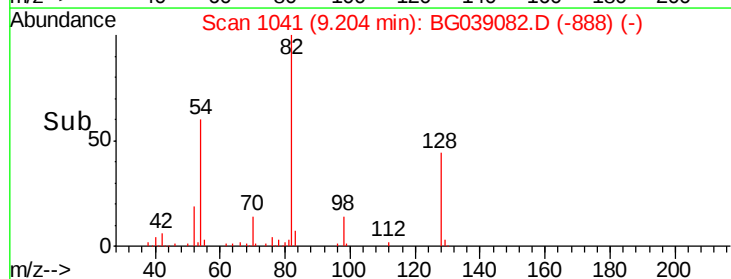
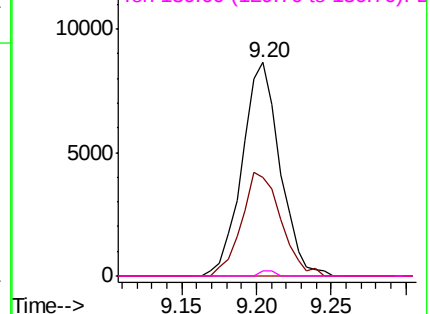
42 46.4 59.0 88.4#

101 0.0 10.4 15.6#

130 2.6 21.6 32.4#



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

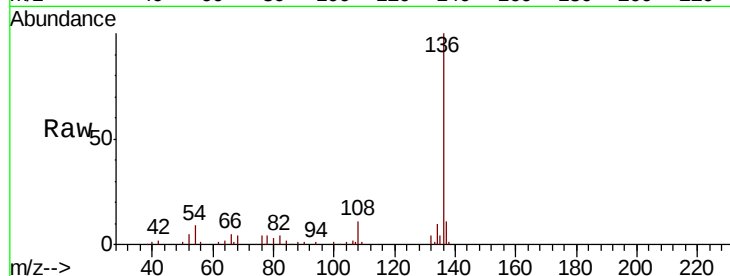




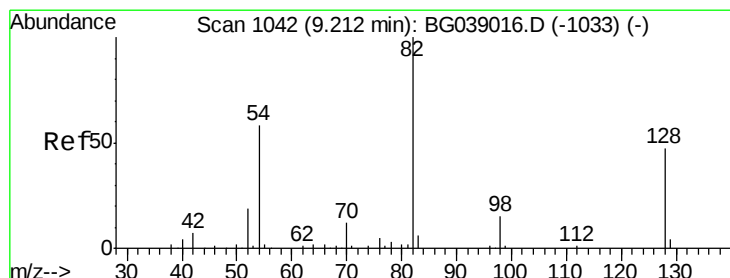
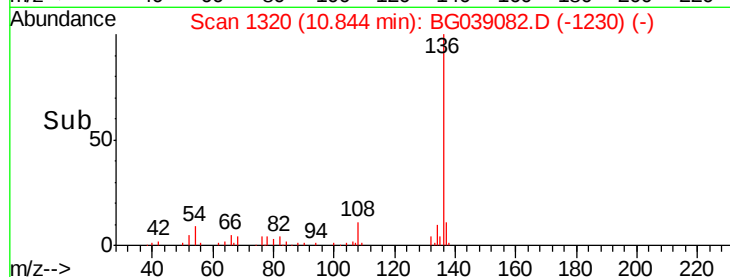
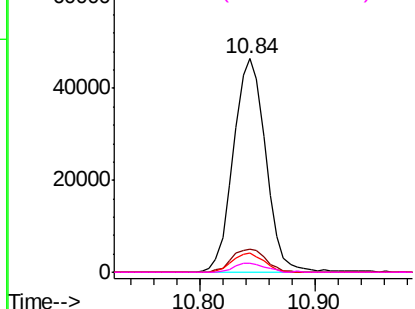
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039082.D
Acq: 11 Jan 2019 10:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	90077
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.4 14.2
54	8.8	7.2 10.8
68	4.0	3.5 5.3

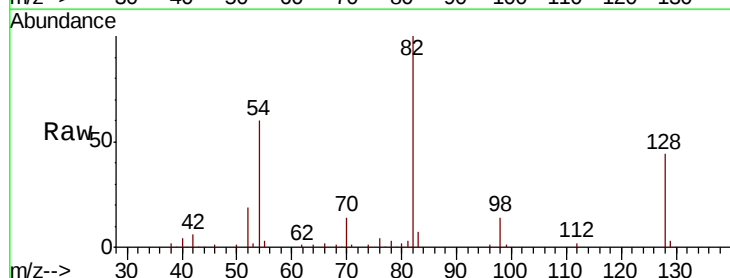


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

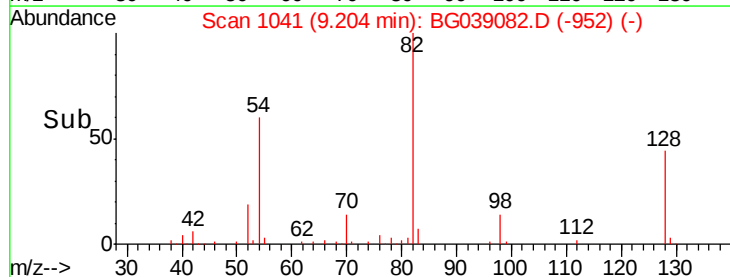
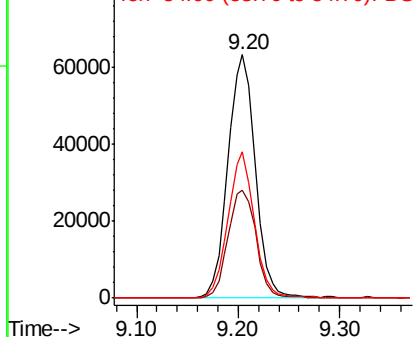


#23
Nitrobenzene-d5
Concen: 72.032 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039082.D
Acq: 11 Jan 2019 10:20

Tgt Ion: 82	Resp:	118577
Ion	Ratio	Lower Upper
82	100	
128	44.2	37.3 55.9
54	59.9	46.4 69.6



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: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

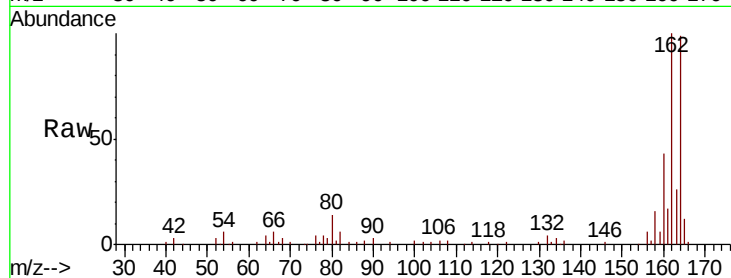
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 66834

Ion	Ratio	Lower	Upper
164	100		
162	100.9	87.2	130.8
160	43.8	33.3	49.9

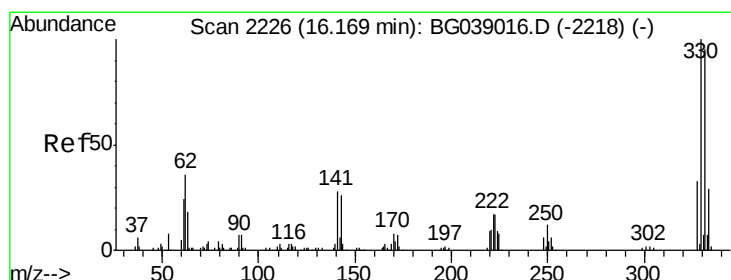
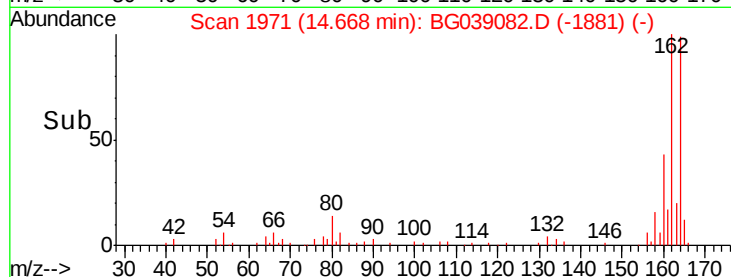
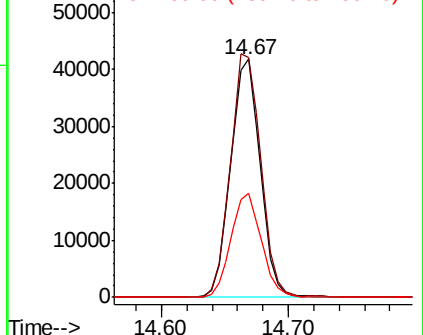


Abundance

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: 109.369 ng

RT: 16.16 min Scan# 2225

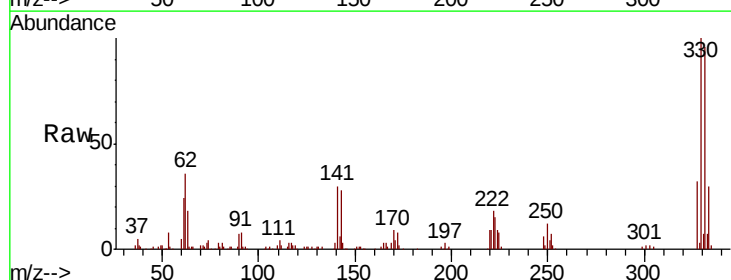
Delta R.T. -0.01 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

Tgt Ion:330 Resp: 122529

Ion	Ratio	Lower	Upper
330	100		
332	93.2	75.7	113.5
141	29.3	24.9	37.3

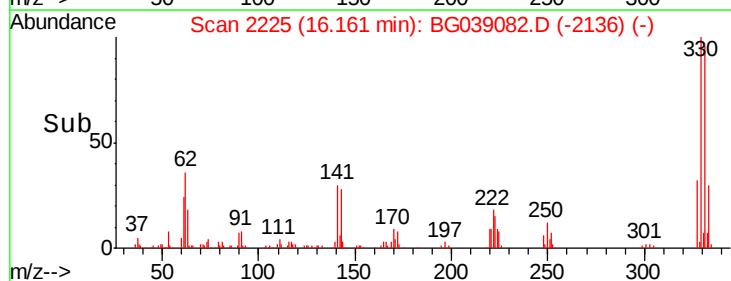
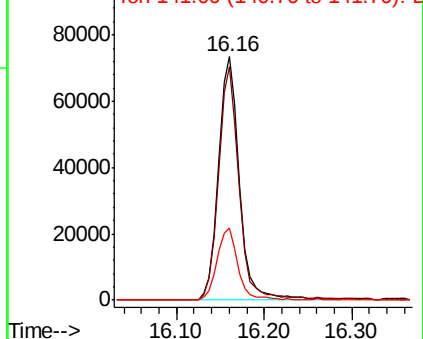


Abundance

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

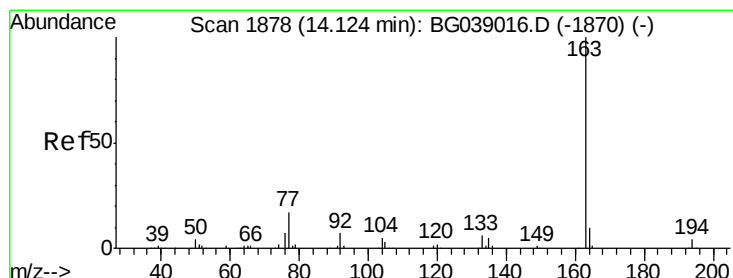
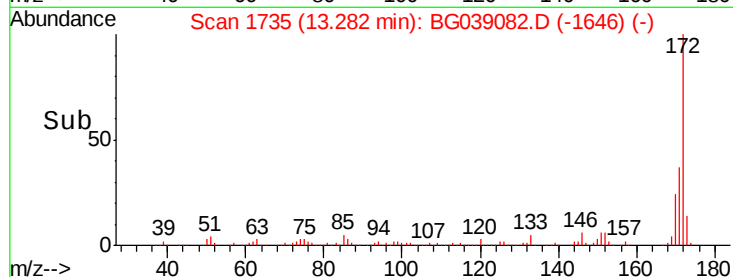
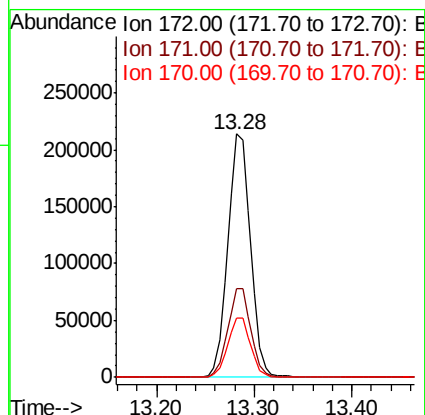
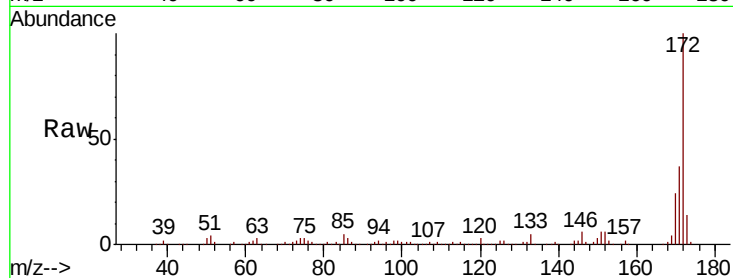




#45
 2-Fluorobiphenyl
 Concen: 70.399 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039082.D
 Acq: 11 Jan 2019 10:20

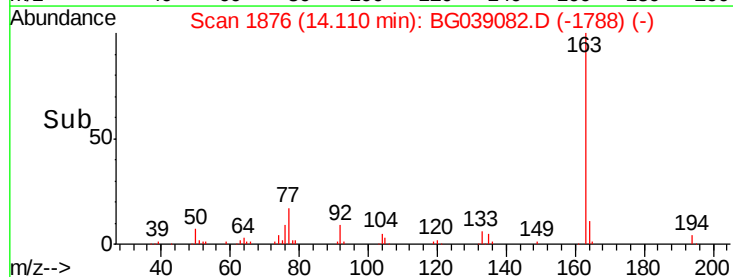
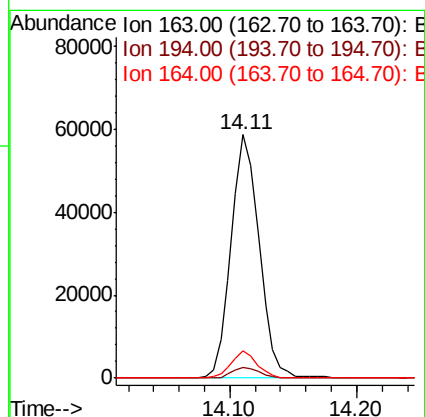
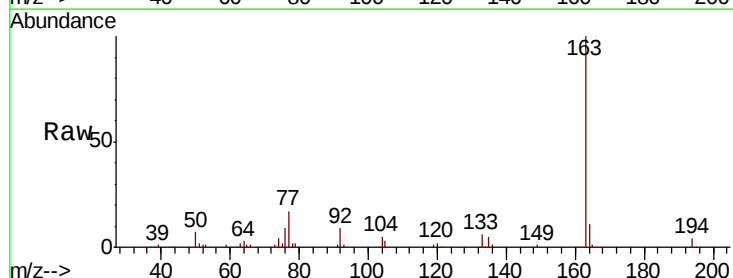
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.4	20.1	30.1



#50
 Dimethylphthalate
 Concen: 15.965 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG039082.D
 Acq: 11 Jan 2019 10:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	11.2	8.2	12.2

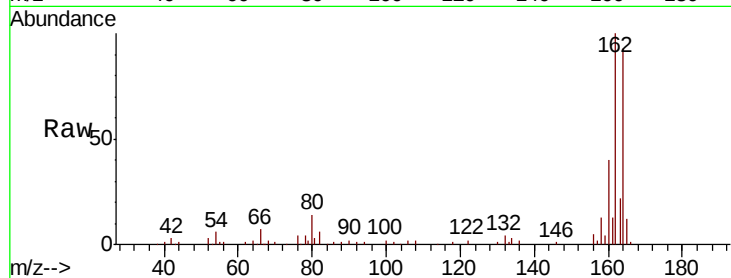




#57
 2,4-Dinitrotoluene
 Concen: 4.768 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039082.D
 Acq: 11 Jan 2019 10:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#

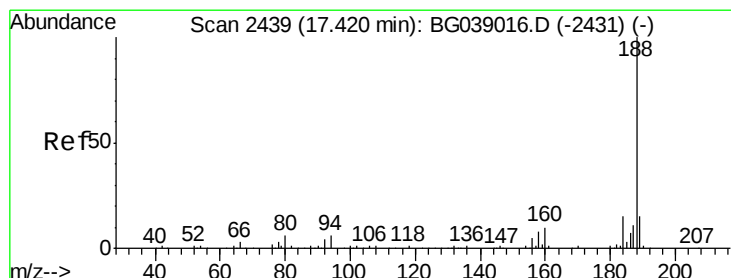
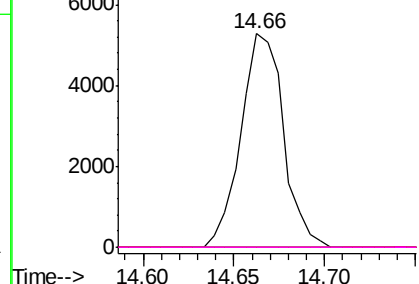
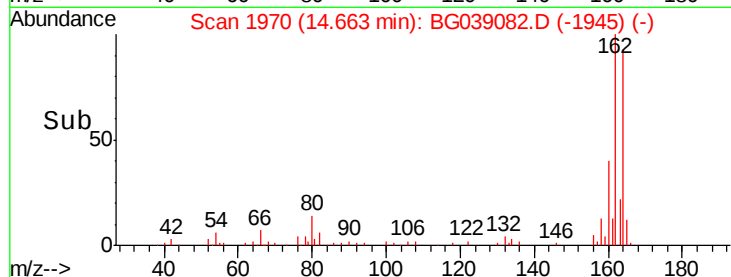


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

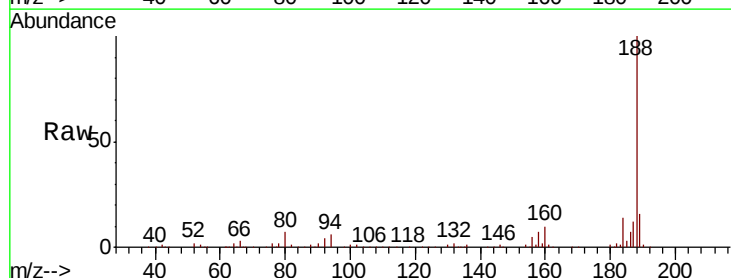
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG039082.D
 Acq: 11 Jan 2019 10:20

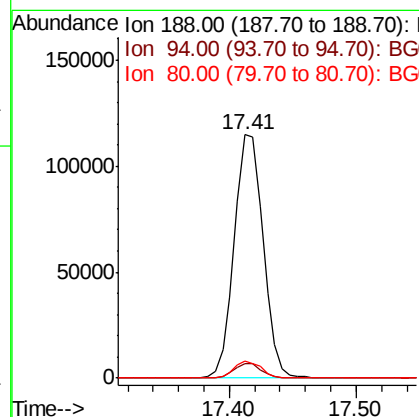
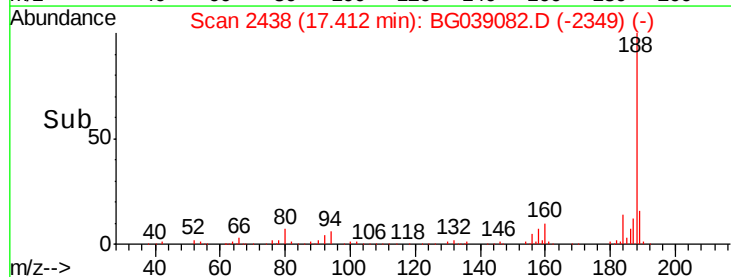
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.0	7.4
80	6.9	4.7	7.1

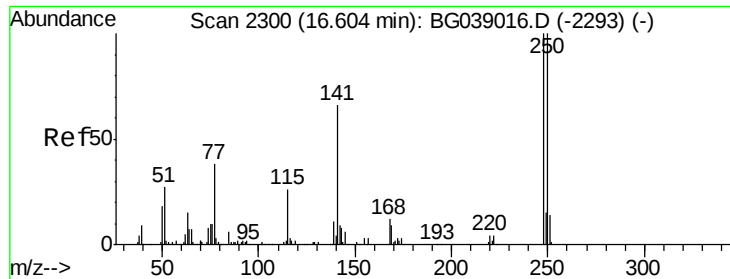


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.458 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

Instrument :

BNA_G

ClientSampled :

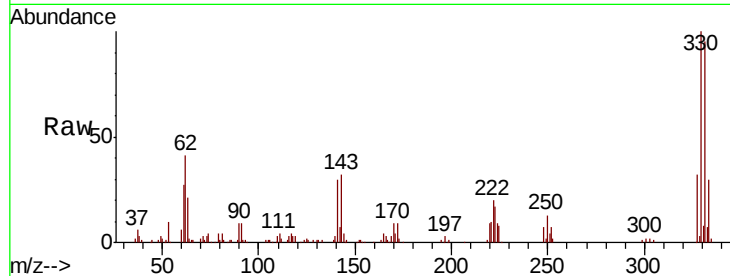
Tot Ion:248 Resp: 8035

Ion Ratio Lower Upper

248 100

250 177.6 79.9 119.9#

141 407.1 52.7 79.1#

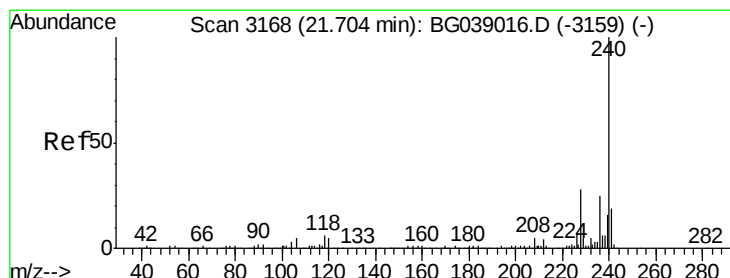
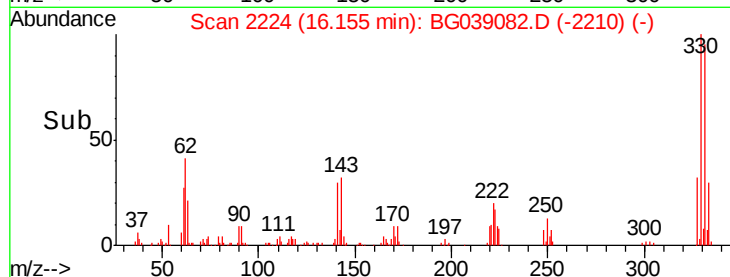
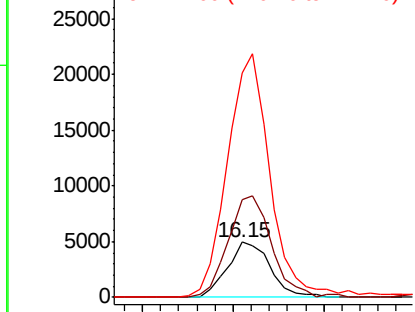


Abundance

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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

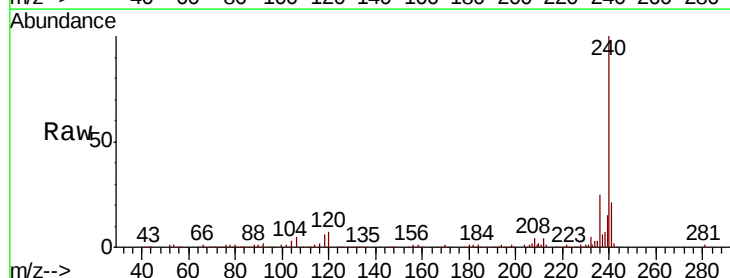
Tgt Ion:240 Resp: 192177

Ion Ratio Lower Upper

240 100

120 6.7 4.3 6.5#

236 25.2 20.1 30.1

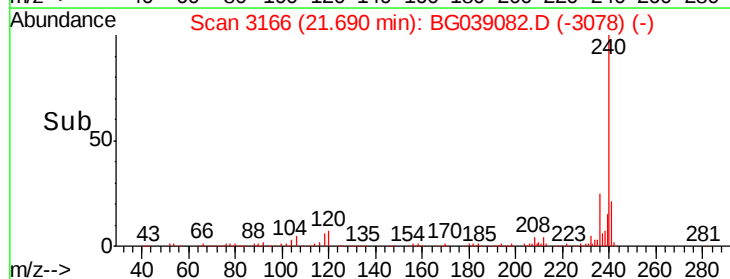
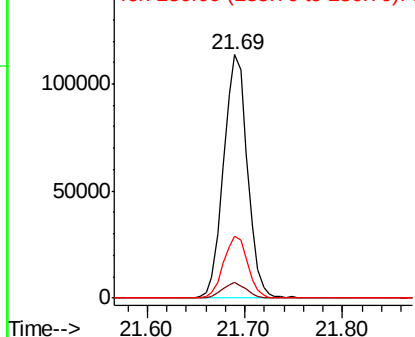


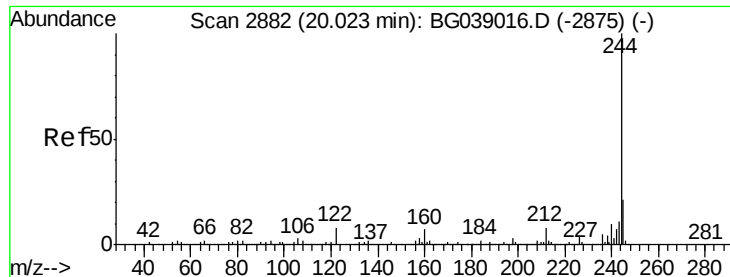
Abundance

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: 68.327 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

Instrument :

BNA_G

ClientSampleId :

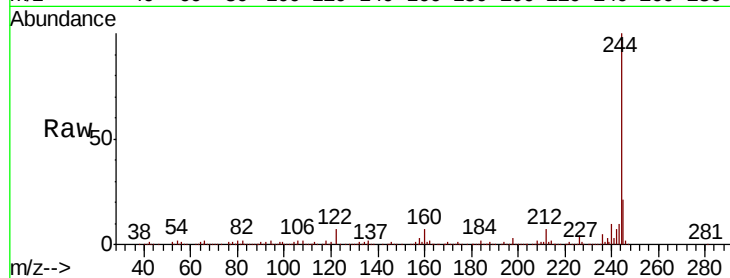
Tot Ion:244 Resp: 709819

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

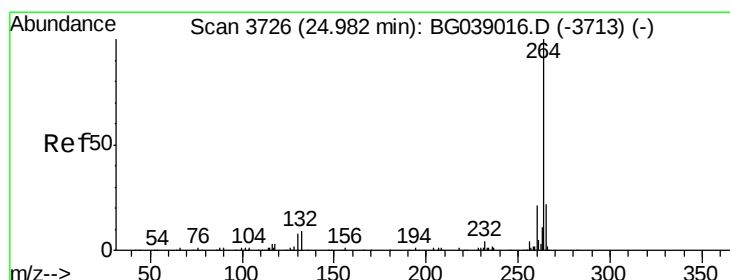
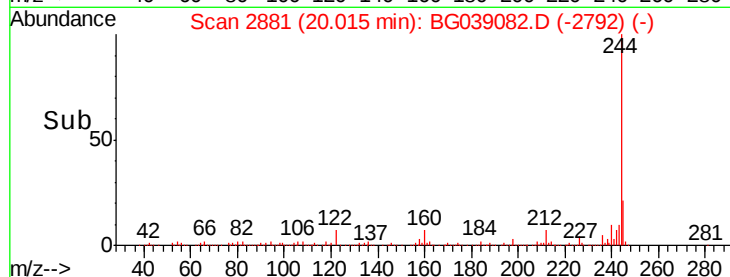
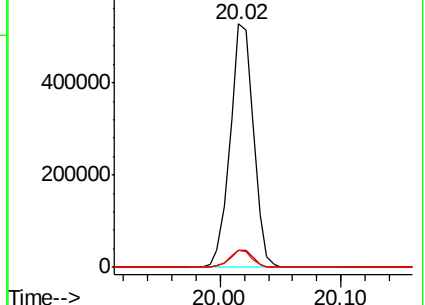
122 7.1 6.1 9.1



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: 24.97 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG039082.D

Acq: 11 Jan 2019 10:20

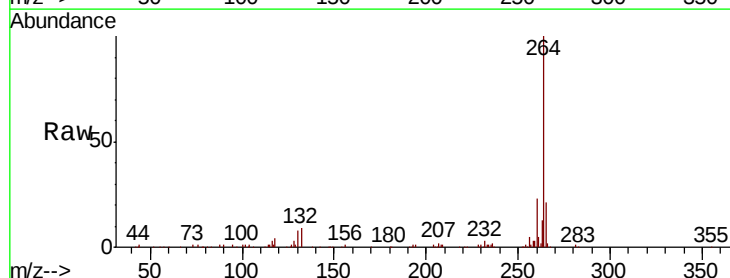
Tgt Ion:264 Resp: 209028

Ion Ratio Lower Upper

264 100

260 22.9 17.0 25.6

265 20.8 17.2 25.8



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

