

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041019\
 Data File : BG040435.D
 Acq On : 11 Apr 2019 5:45
 Operator : JU/SJ
 Sample : PB118790TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 11 07:03:55 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

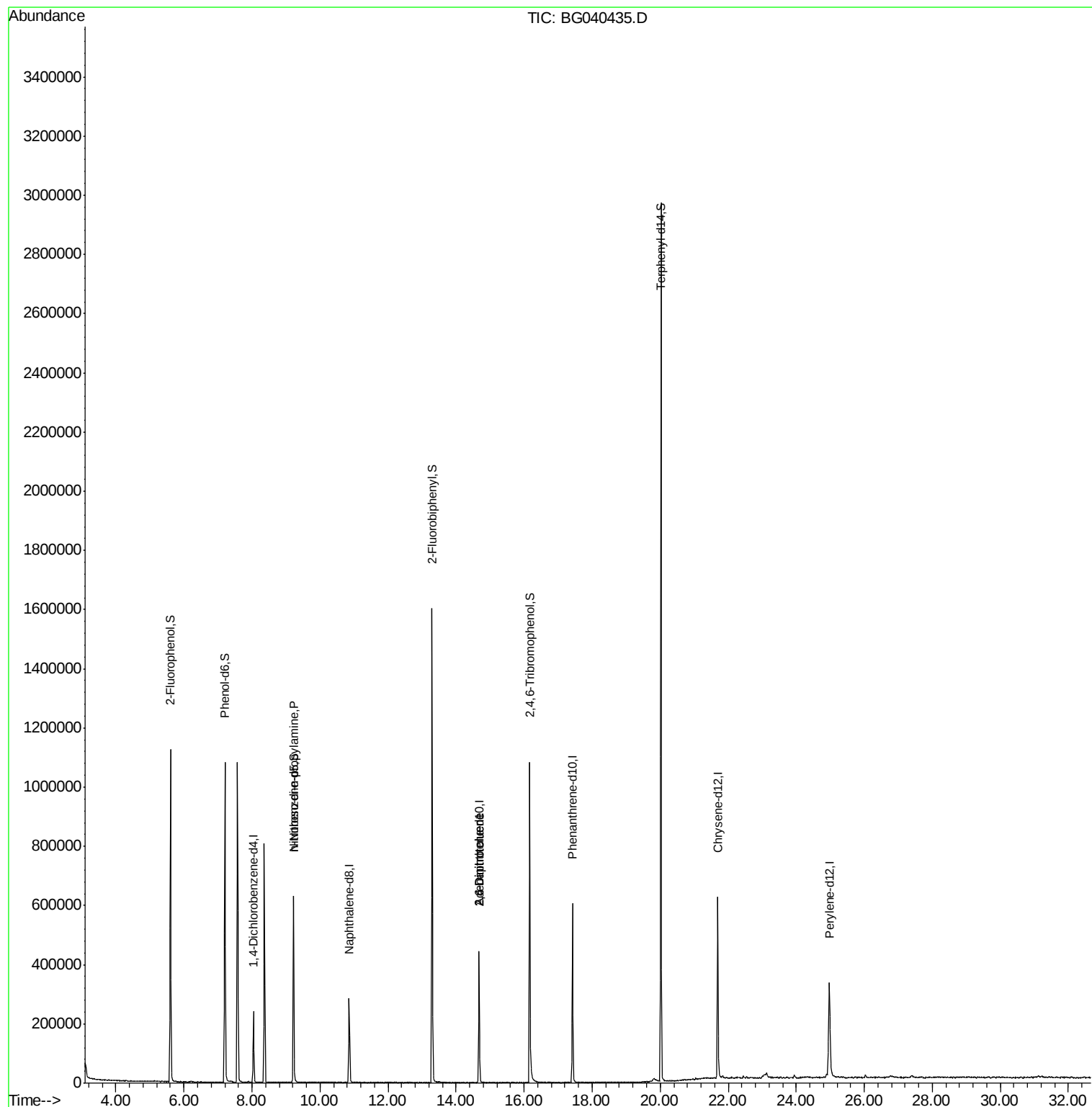
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	67987	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	273819	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	162618	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	400494	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	408942	20.00	ng	-0.03
87) Perylene-d12	24.97	264	392916	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	491756	120.24	ng	-0.02
7) Phenol-d6	7.21	99	670111	118.56	ng	-0.02
23) Nitrobenzene-d5	9.22	82	396594	76.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	215434	122.58	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	891905	81.27	ng	-0.02
79) Terphenyl-d14	20.02	244	1354001	74.49	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50756	12.525	ng	# 69
51) 2,6-Dinitrotoluene	14.67	165	21231	7.429	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	21231	5.347	ng	# 24

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

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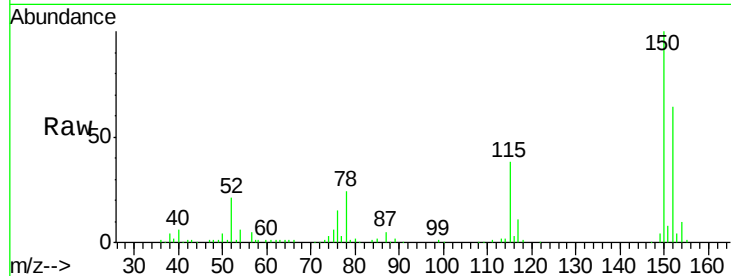


#1

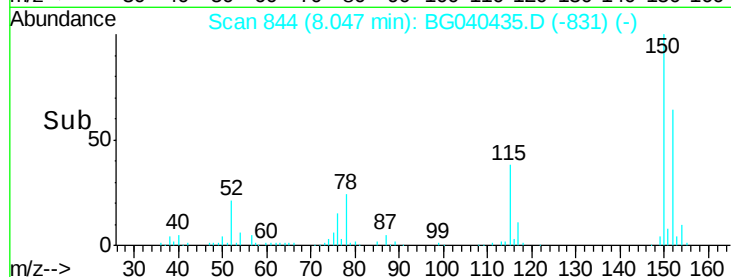
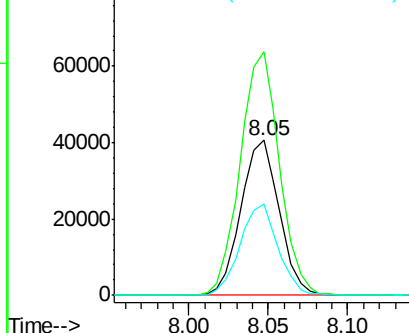
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 67987
Ion Ratio Lower Upper
152 100
150 157.3 123.7 185.5
115 59.2 46.9 70.3



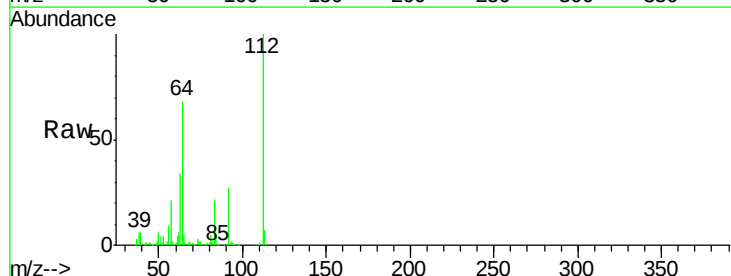
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



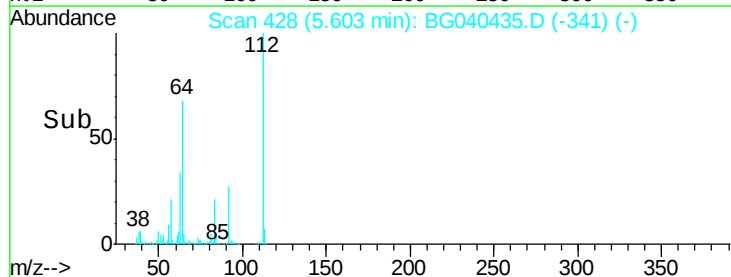
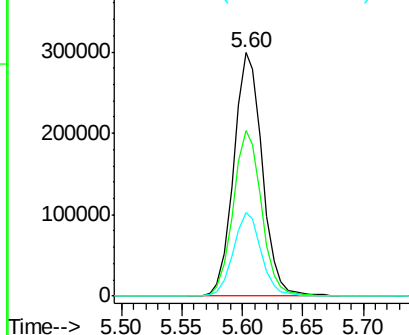
#5

2-Fluorophenol
Concen: 120.244 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

Tgt Ion:112 Resp: 491756
Ion Ratio Lower Upper
112 100
64 68.2 54.2 81.2
63 34.3 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: 118.562 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040435.D

Acq: 11 Apr 2019 5:45

Instrument :

BNA_G

ClientSampleId :

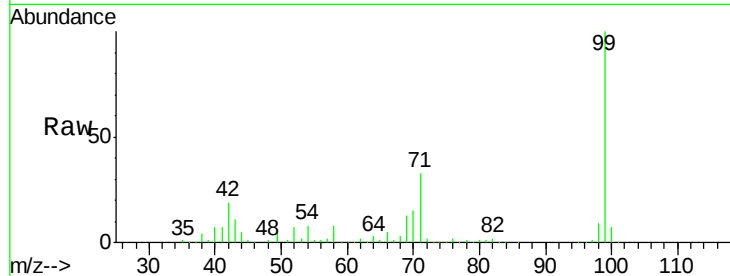
Tot Ion: 99 Resp: 670111

Ion Ratio Lower Upper

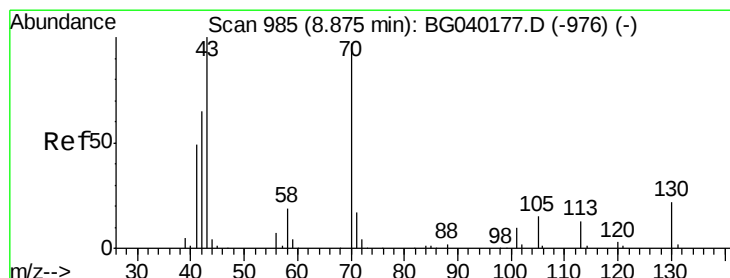
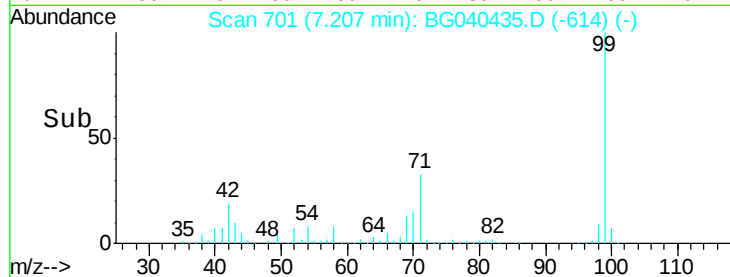
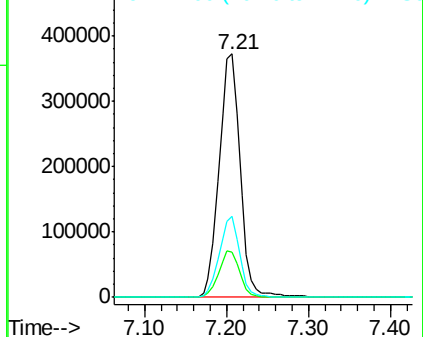
99 100

42 18.8 16.2 24.2

71 33.1 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: 12.525 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040435.D

Acq: 11 Apr 2019 5:45

Tgt Ion: 70 Resp: 50756

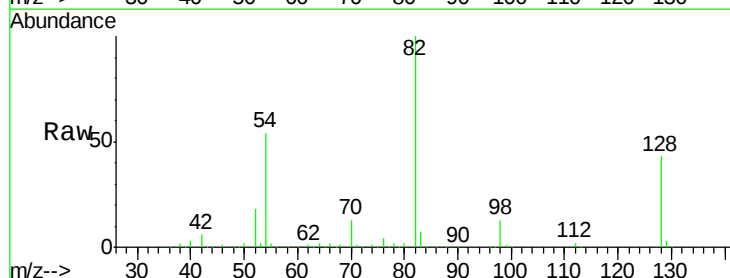
Ion Ratio Lower Upper

70 100

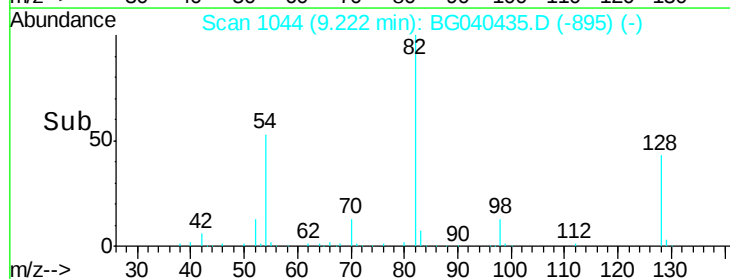
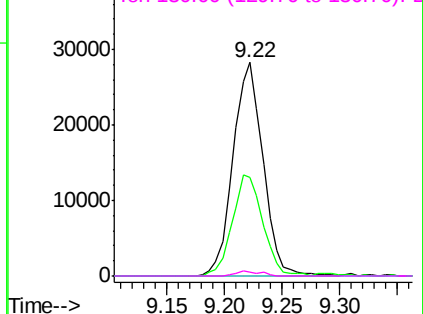
42 45.9 54.0 81.0#

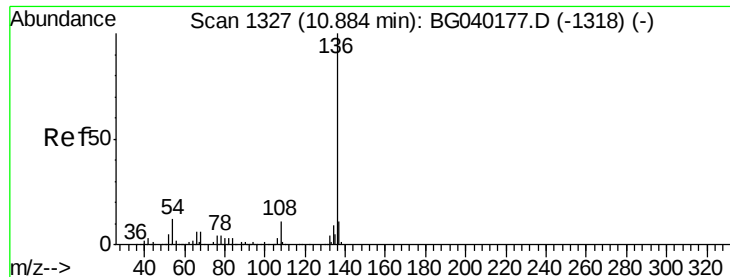
101 0.0 8.6 13.0#

130 1.6 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

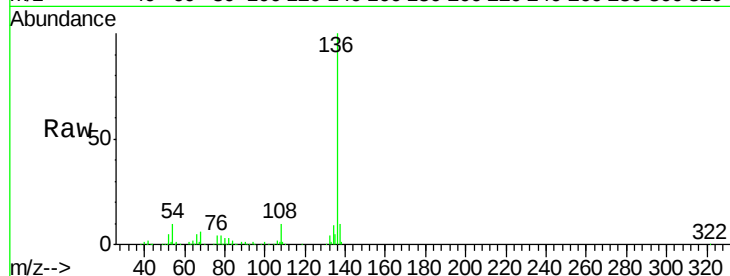




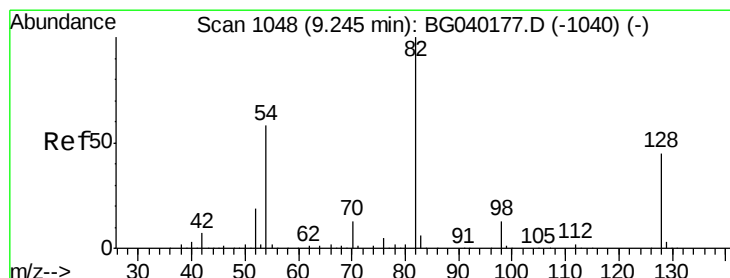
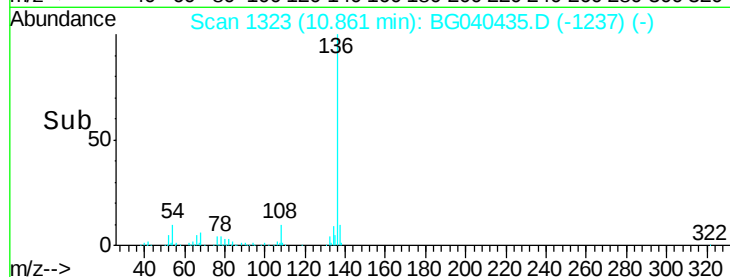
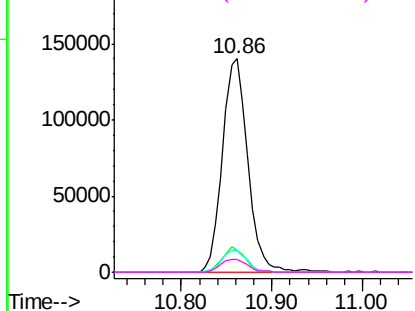
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	273819
Ion	Ratio	Lower Upper
136	100	
137	9.9	8.9 13.3
54	10.0	9.6 14.4
68	6.0	5.1 7.7

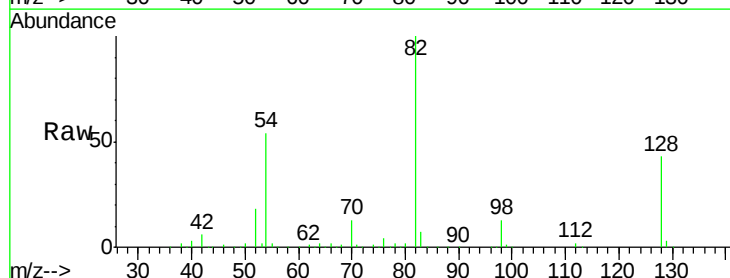


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

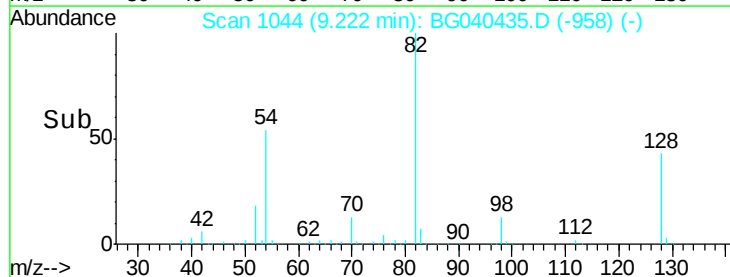
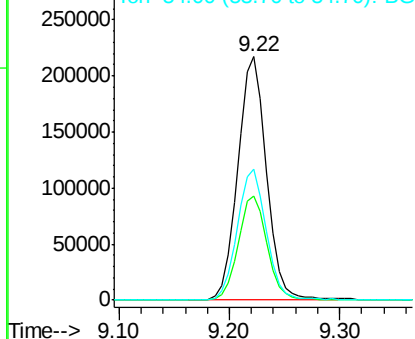


#23
Nitrobenzene-d5
Concen: 76.986 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

Tgt Ion: 82	Resp:	396594
Ion	Ratio	Lower Upper
82	100	
128	42.7	35.8 53.8
54	54.1	46.2 69.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG040435.D

Acq: 11 Apr 2019 5:45

Instrument :

BNA_G

ClientSampleId :

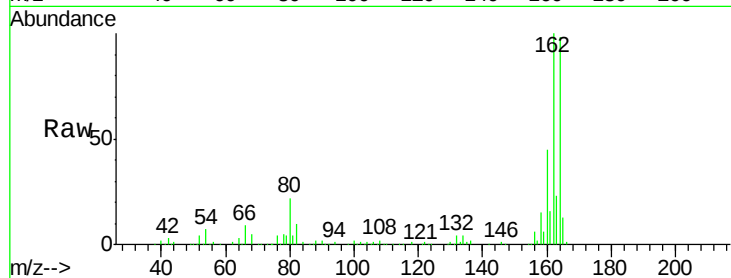
Tot Ion:164 Resp: 162618

Ion Ratio Lower Upper

164 100

162 101.8 77.4 116.2

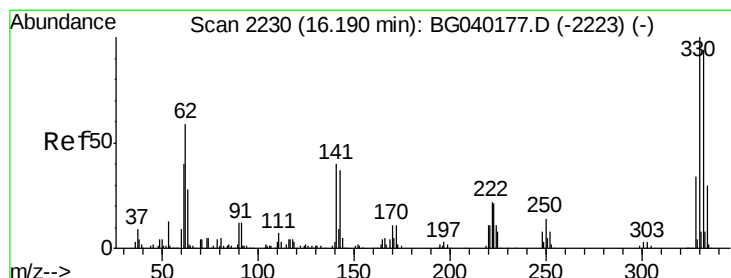
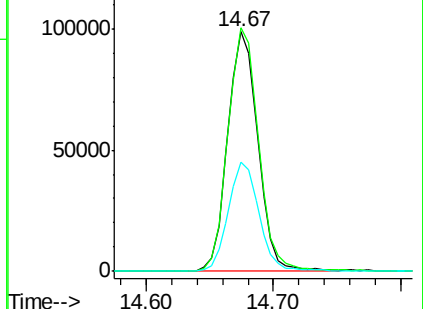
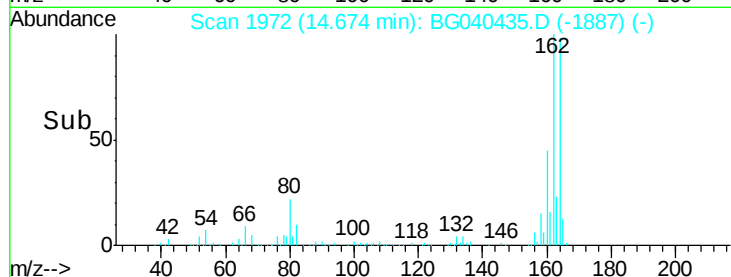
160 45.5 35.3 52.9



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: 122.581 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040435.D

Acq: 11 Apr 2019 5:45

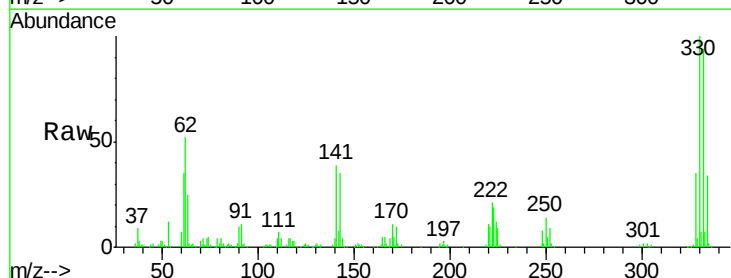
Tgt Ion:330 Resp: 215434

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

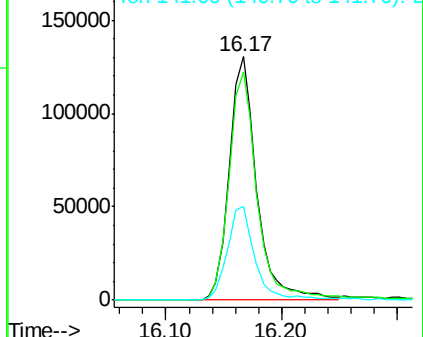
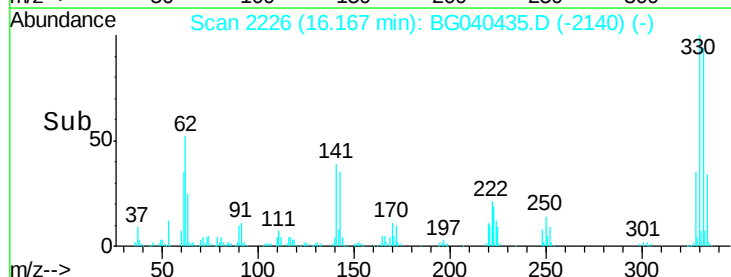
141 38.6 32.6 48.8

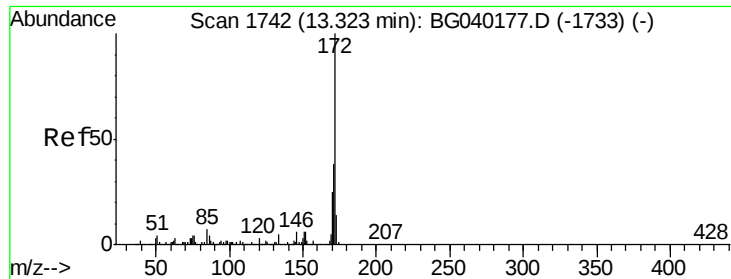


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

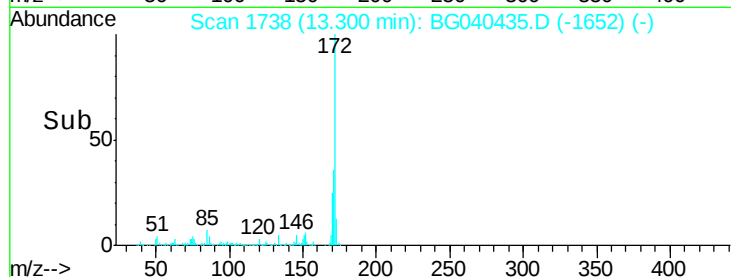
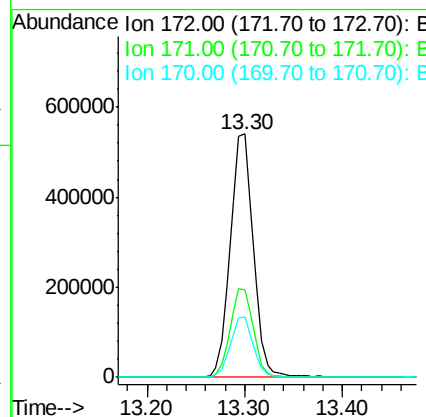
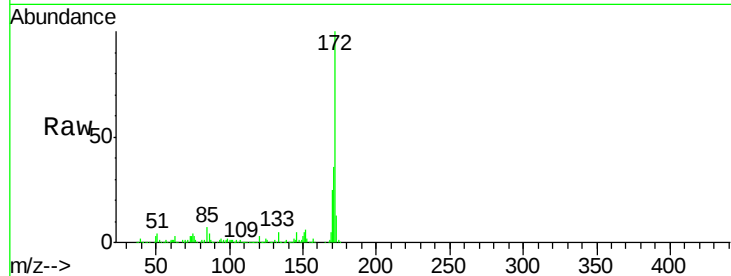




#45
2-Fluorobiphenyl
Concen: 81.270 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

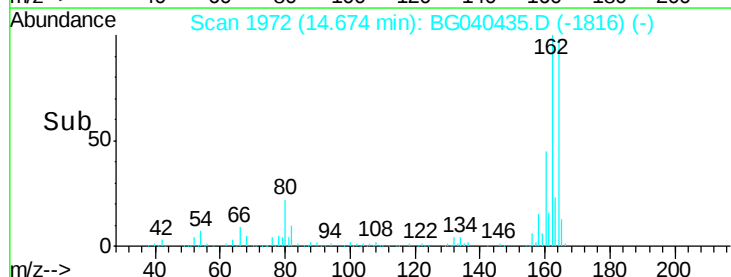
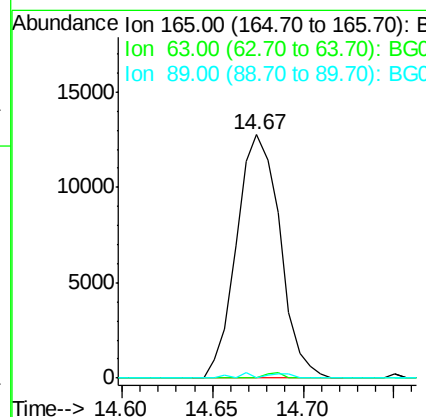
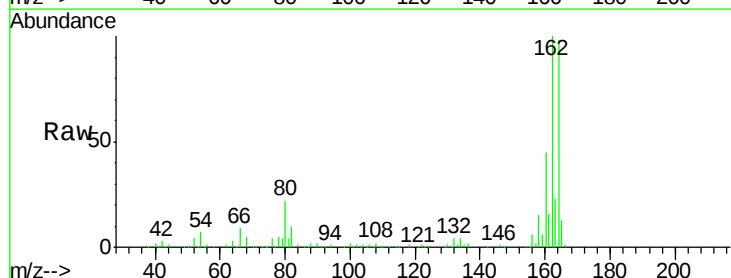
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	25.0	20.1	30.1



#51
2,6-Dinitrotoluene
Concen: 7.429 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.39 min
Lab File: BG040435.D
Acq: 11 Apr 2019 5:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.9	67.3#

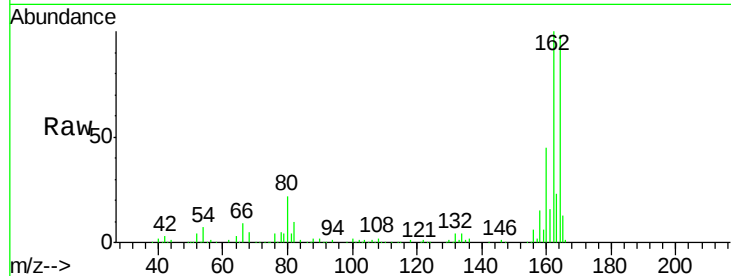




#57
 2,4-Dinitrotoluene
 Concen: 5.347 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.39 min
 Lab File: BG040435.D
 Acq: 11 Apr 2019 5:45

Instrument :
 BNA_G
 ClientSampleId :

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

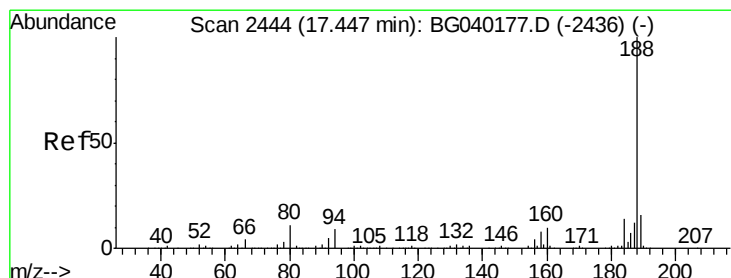
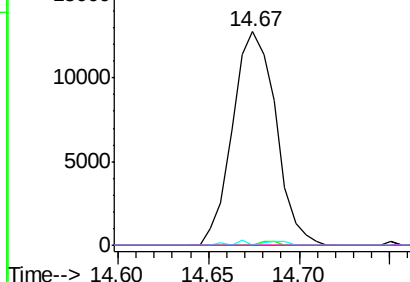
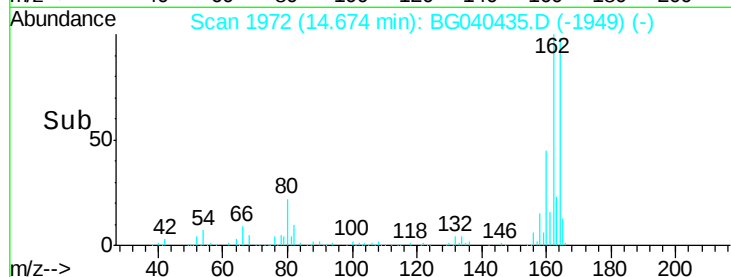


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

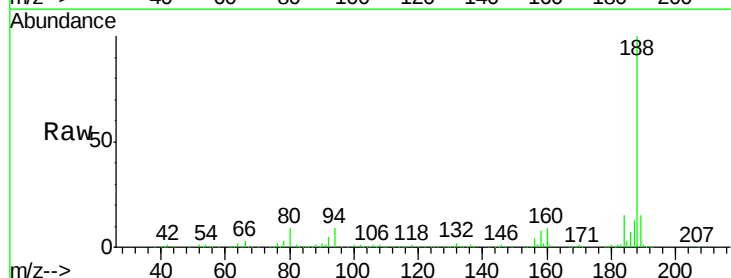
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040435.D
 Acq: 11 Apr 2019 5:45

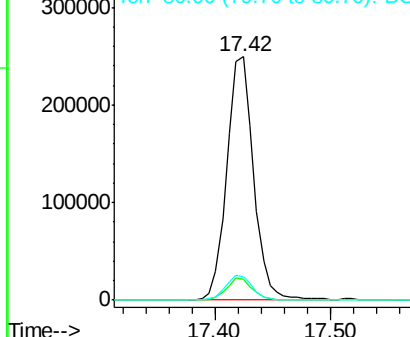
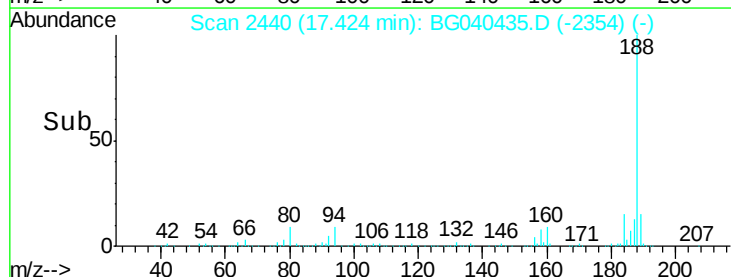
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.4
80	9.4	8.6	13.0

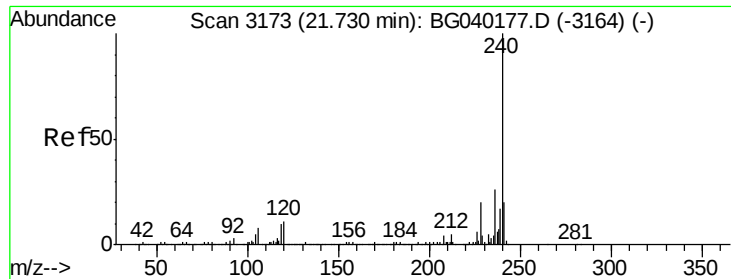


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

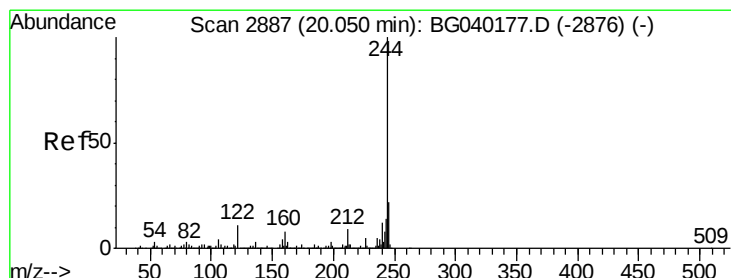
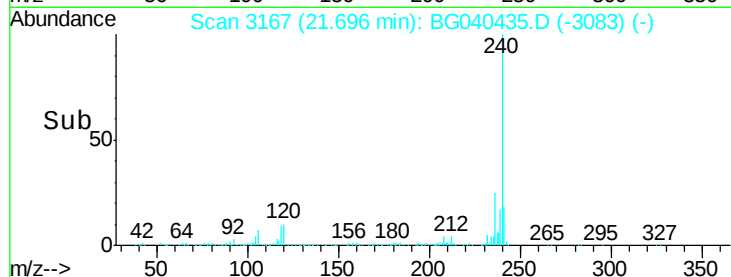
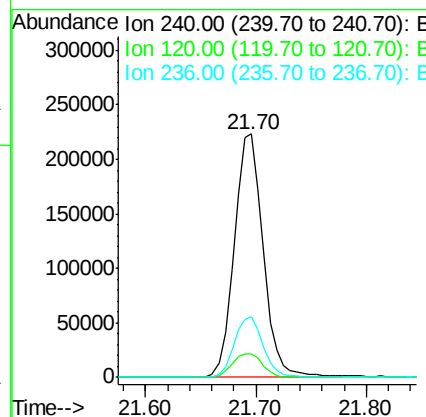
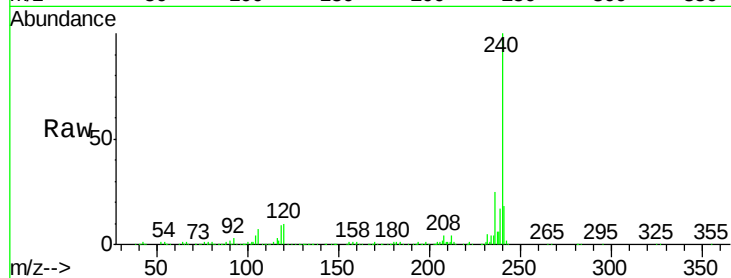




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.03 min
 Lab File: BG040435.D
 Acq: 11 Apr 2019 5:45

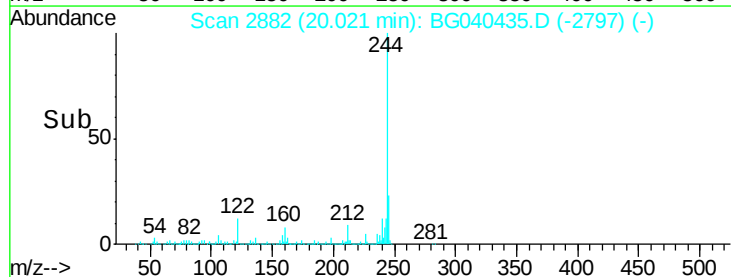
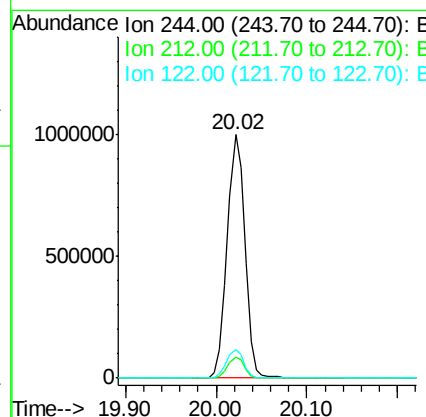
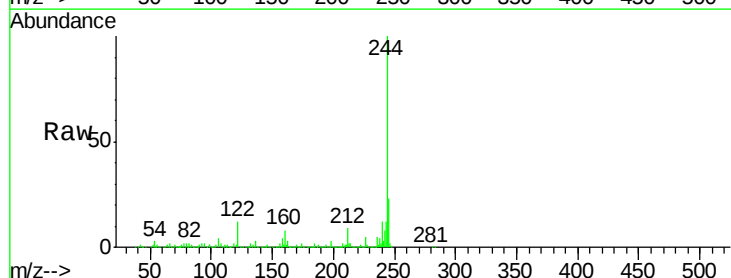
Instrument :
 BNA_G
 ClientSampleId :

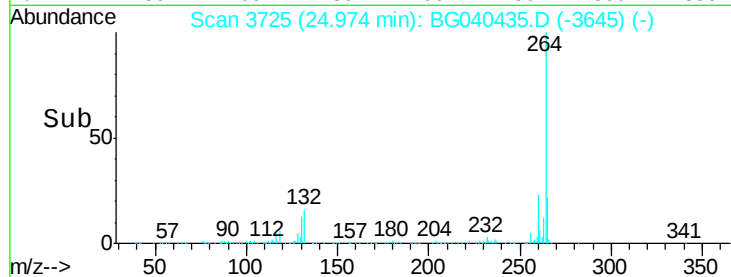
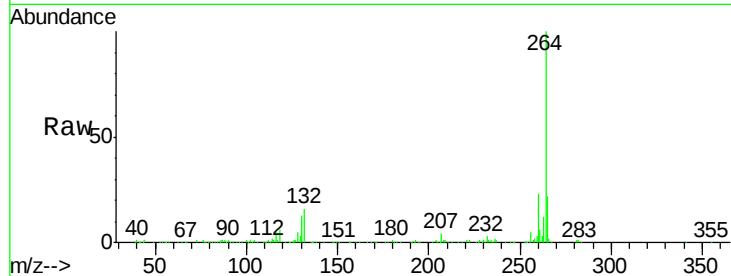
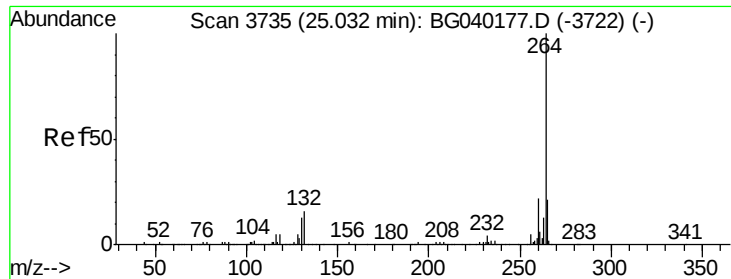
Tot Ion:240 Resp: 408942
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.4 12.6
 236 25.1 20.8 31.2



#79
 Terphenyl-d14
 Concen: 74.486 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.03 min
 Lab File: BG040435.D
 Acq: 11 Apr 2019 5:45

Tgt Ion:244 Resp: 1354001
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.0 10.6
 122 11.5 8.5 12.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3725

Delta R.T. -0.06 min

Lab File: BG040435.D

Acq: 11 Apr 2019 5:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 392916

Ion Ratio Lower Upper

264 100

260 22.7 17.9 26.9

265 22.1 16.8 25.2

