

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039669.D
 Acq On : 28 Feb 2019 20:56
 Operator : JU/SJ
 Sample : K1628-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:05:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	59225	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	259084	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	168866	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	367594	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	391248	20.00	ng	-0.03
87) Perylene-d12	25.20	264	415574	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	520557	150.43	ng	0.00
7) Phenol-d6	7.31	99	749019	147.05	ng	0.00
23) Nitrobenzene-d5	9.34	82	447678	107.95	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	270660	148.85	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	986072	83.77	ng	-0.02
79) Terphenyl-d14	20.12	244	1263343	68.35	ng	-0.03

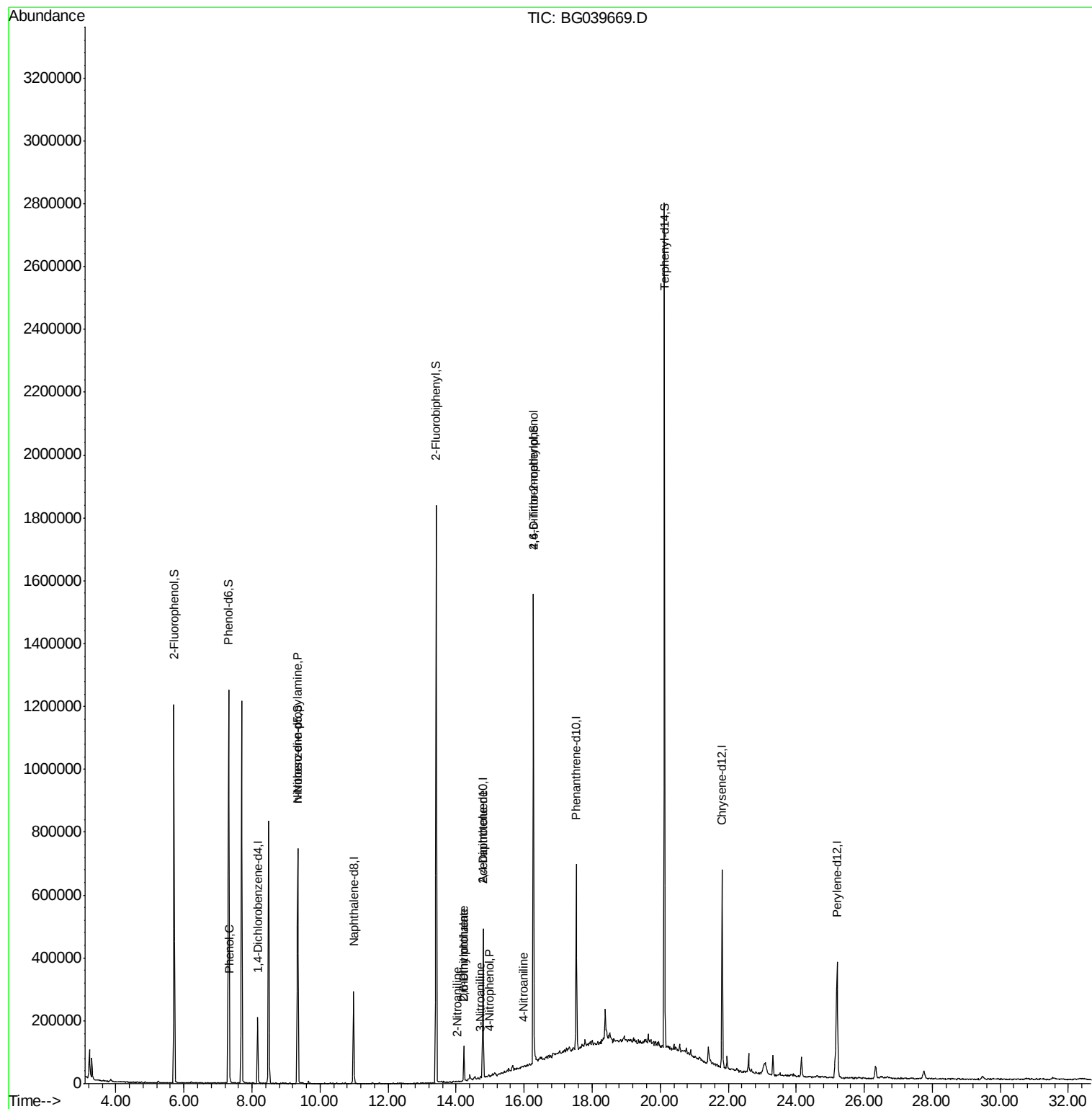
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1616	Below Cal		# 4
10) Phenol	7.34	94	12157	2.290	ng	# 97
19) n-Nitroso-di-n-propylamine	9.34	70	58055	16.058	ng	# 69
48) 2-Nitroaniline	14.03	65	62	8.313	ng	# 10
50) Dimethylphthalate	14.23	163	77235	5.663	ng	# 98
51) 2,6-Dinitrotoluene	14.23	165	1378	7.026	ng	# 14
53) 3-Nitroaniline	14.71	138	82	5.819	ng	# 1
56) 4-Nitrophenol	14.98	139	121	5.839	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	22930	13.703	ng	# 19
62) 4-Nitroaniline	15.96	138	484	4.357	ng	# 89
65) 4,6-Dinitro-2-methylphenol	16.27	198	884	4.946	ng	# 1

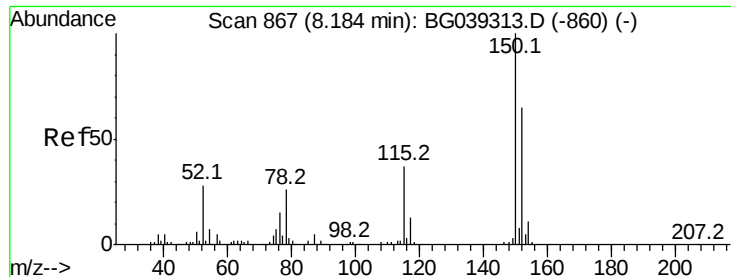
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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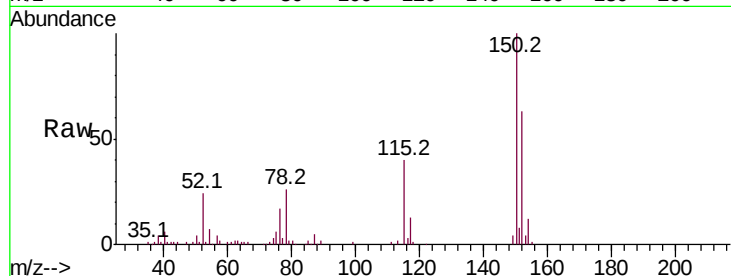


#1

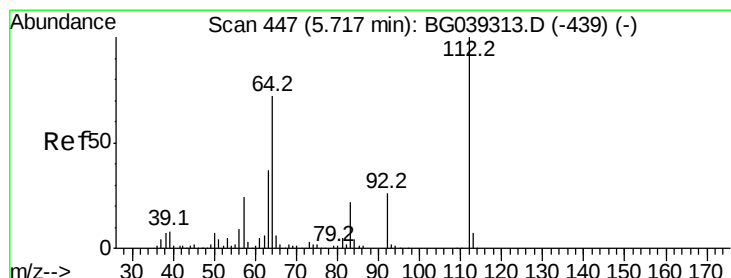
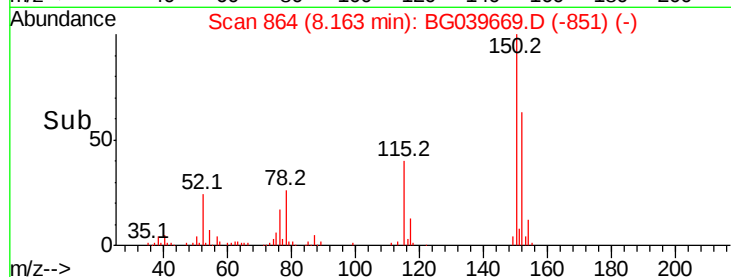
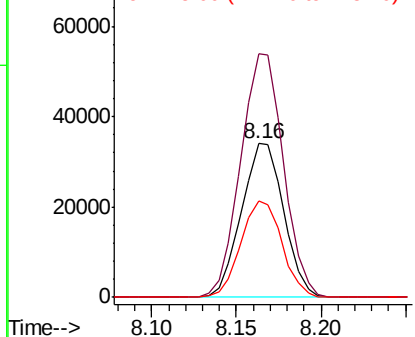
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59225
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 62.8 45.9 68.9



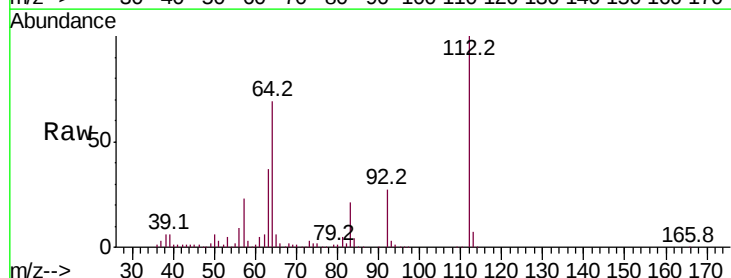
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



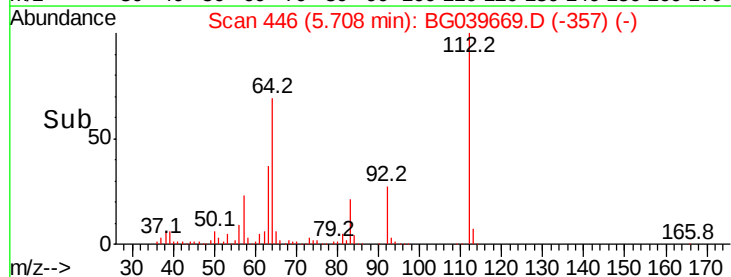
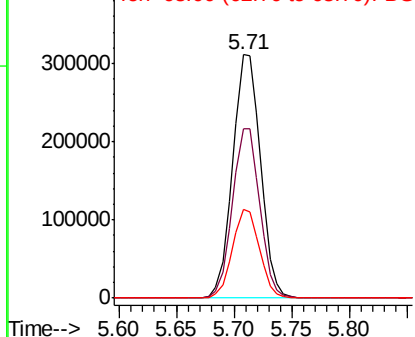
#5

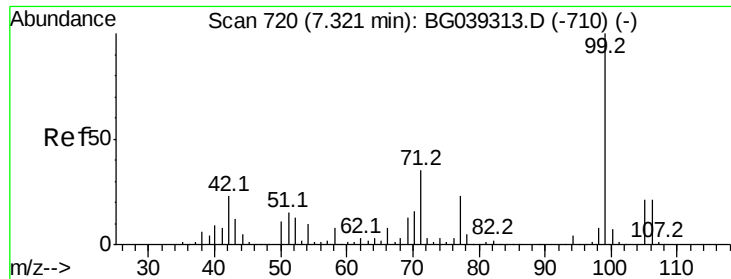
2-Fluorophenol
Concen: 150.433 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:112 Resp: 520557
Ion Ratio Lower Upper
112 100
64 69.3 57.8 86.8
63 36.7 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: 147.051 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

Instrument :

BNA_G

ClientSampled :

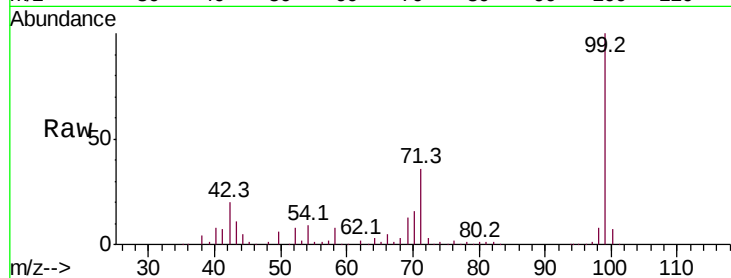
Tot Ion: 99 Resp: 749019

Ion Ratio Lower Upper

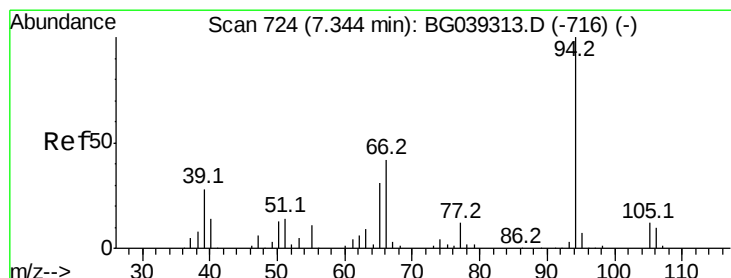
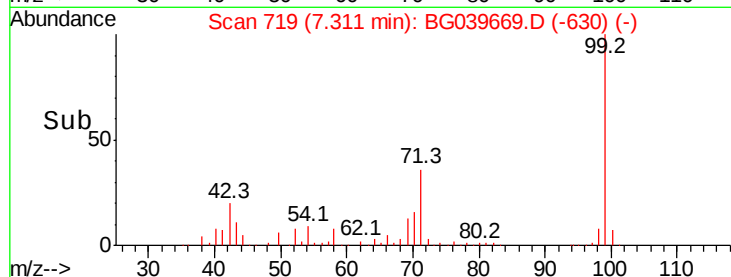
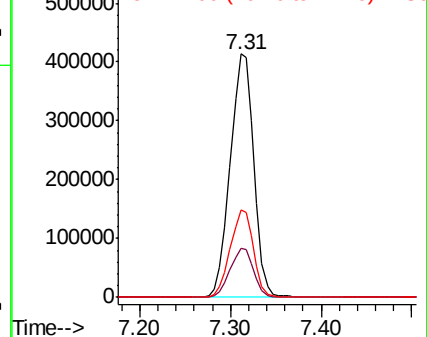
99 100

42 20.1 18.2 27.2

71 36.1 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



#10

Phenol

Concen: 2.290 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

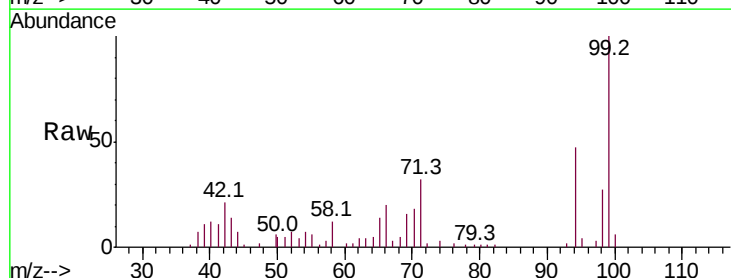
Tgt Ion: 94 Resp: 12157

Ion Ratio Lower Upper

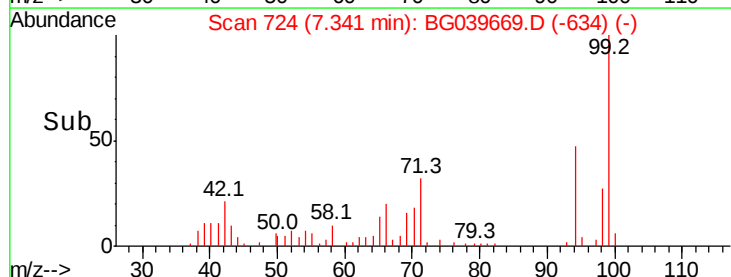
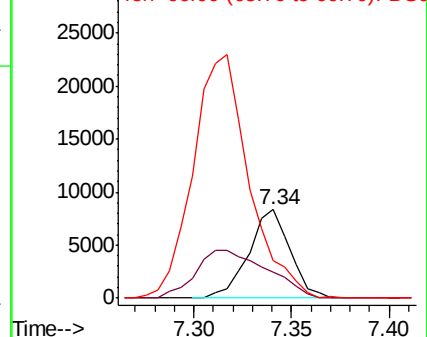
94 100

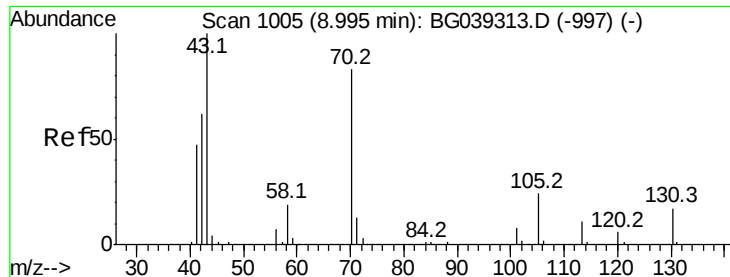
65 29.3 11.7 51.7

66 42.9 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.058 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 58055

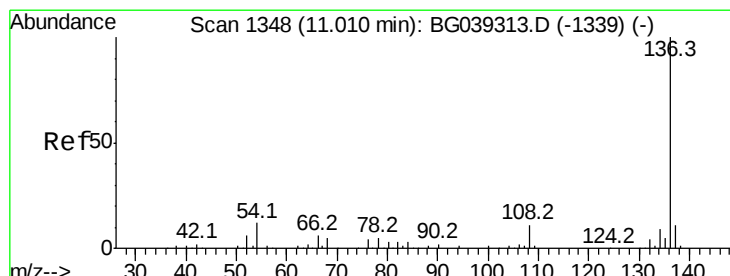
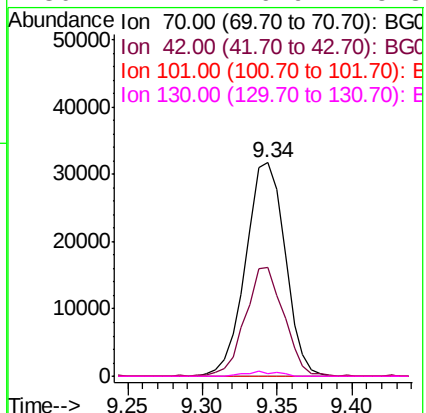
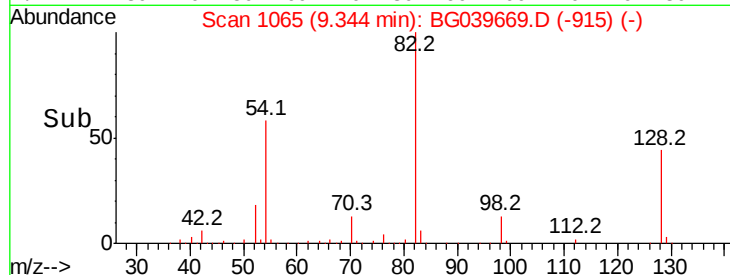
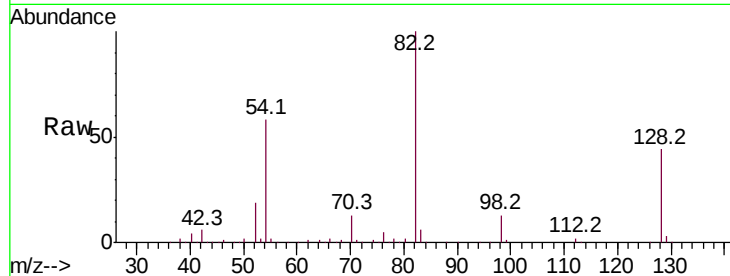
Ion Ratio Lower Upper

70 100

42 50.7 60.4 90.6#

101 0.0 7.5 11.3#

130 1.2 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

Tgt Ion: 136 Resp: 259084

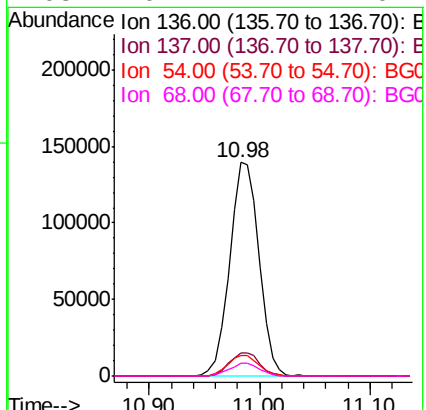
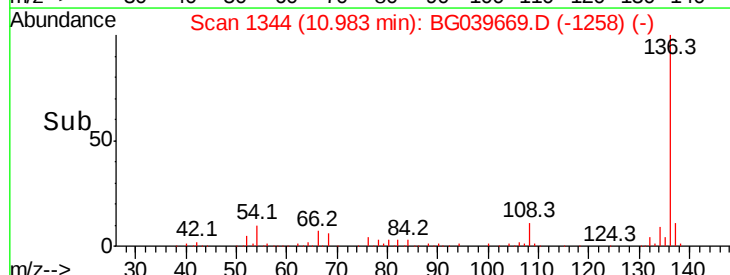
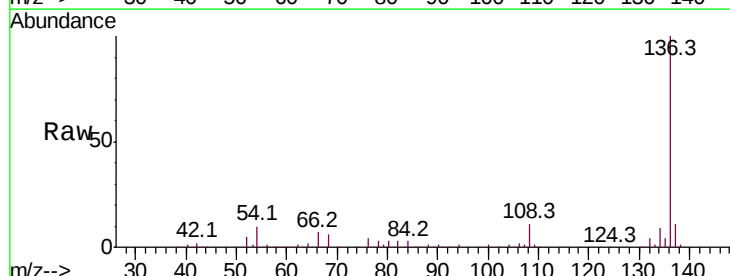
Ion Ratio Lower Upper

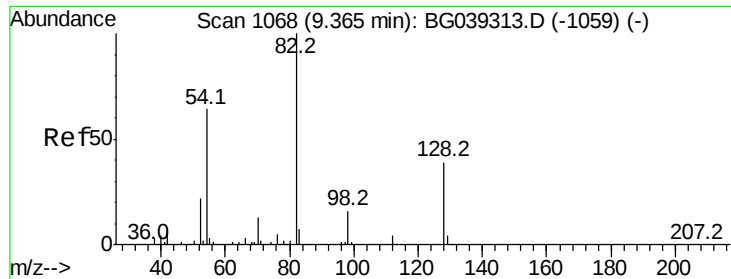
136 100

137 10.9 9.1 13.7

54 9.9 9.4 14.2

68 6.2 4.2 6.4

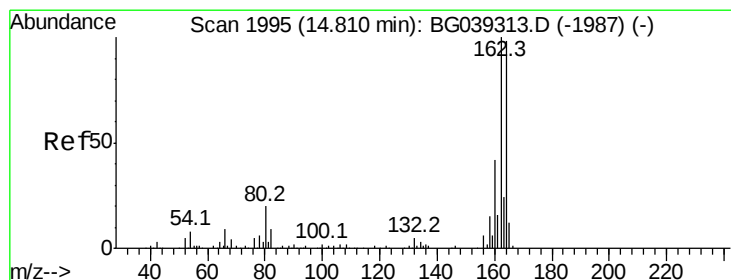
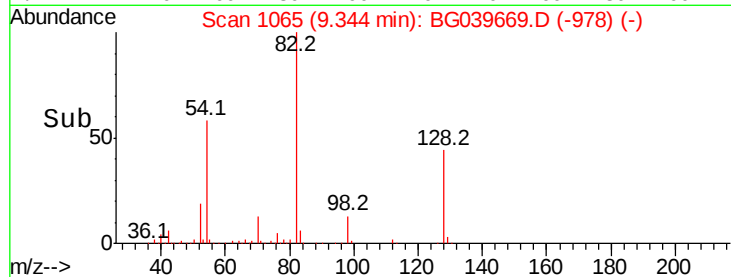
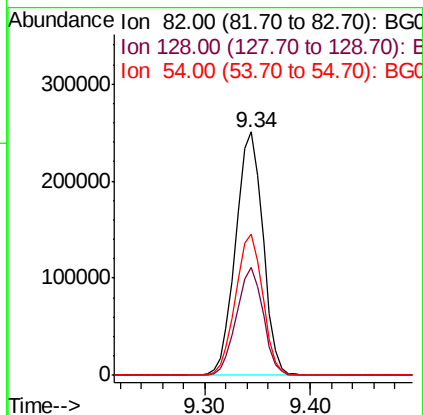
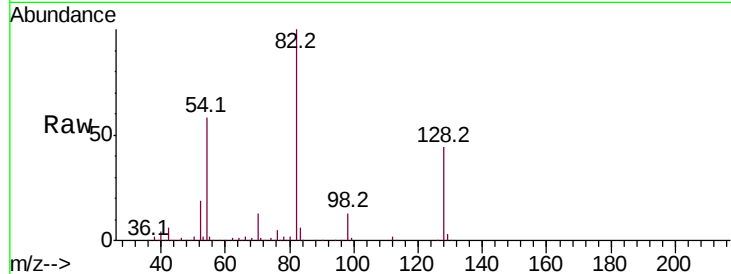




#23
Nitrobenzene-d5
Concen: 107.946 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

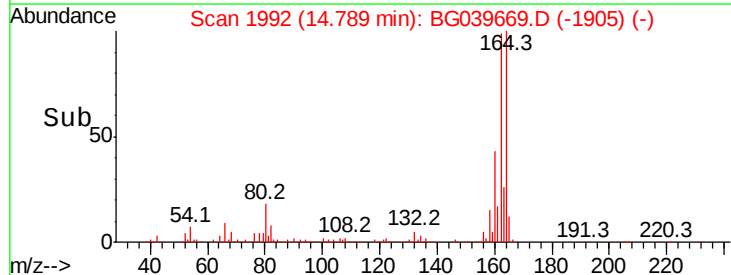
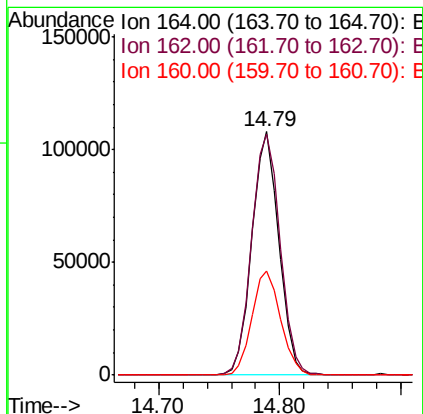
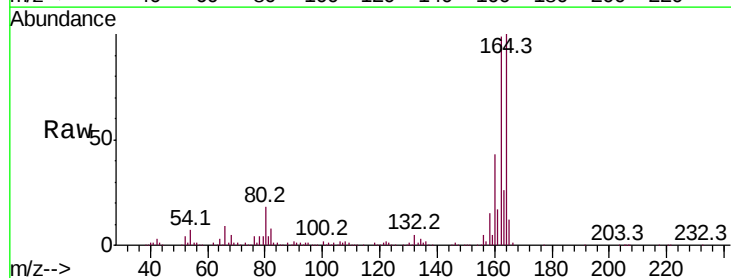
Instrument :
BNA_G
ClientSampleId :

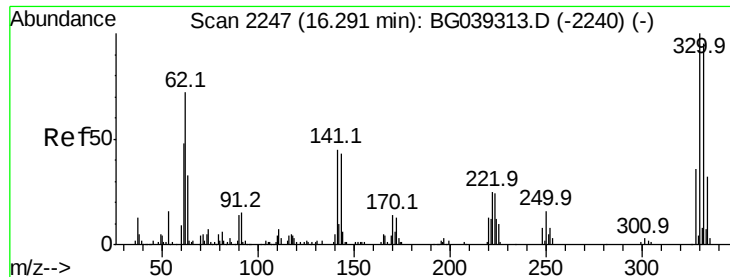
Tot Ion: 82 Resp: 447678
Ion Ratio Lower Upper
82 100
128 44.1 31.3 46.9
54 58.0 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:164 Resp: 168866
Ion Ratio Lower Upper
164 100
162 99.1 81.6 122.4
160 42.6 34.2 51.2

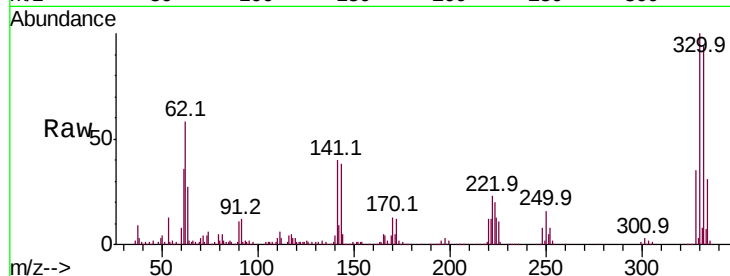




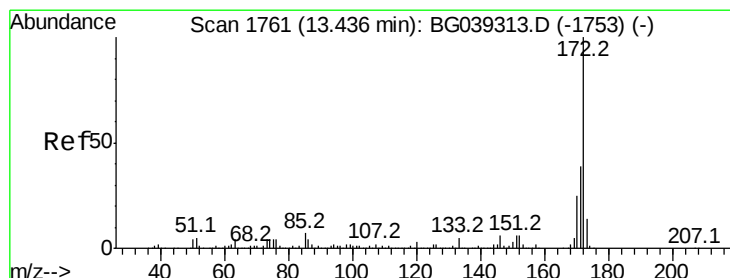
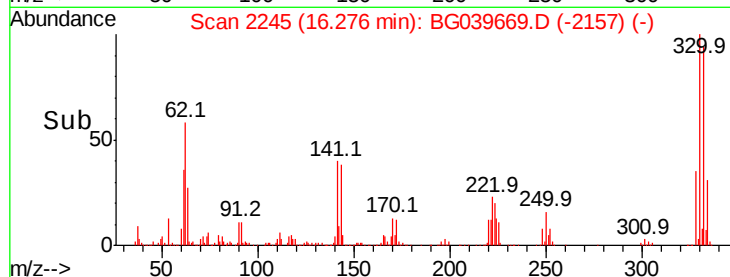
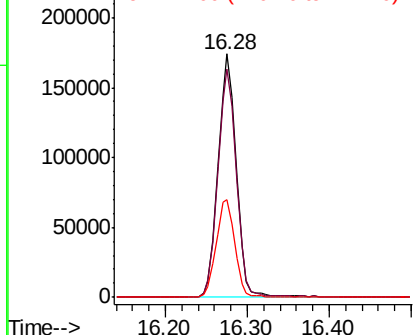
#42
 2,4,6-Tribromophenol
 Concen: 148.845 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039669.D
 Acq: 28 Feb 2019 20:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	41.5	35.6	53.4

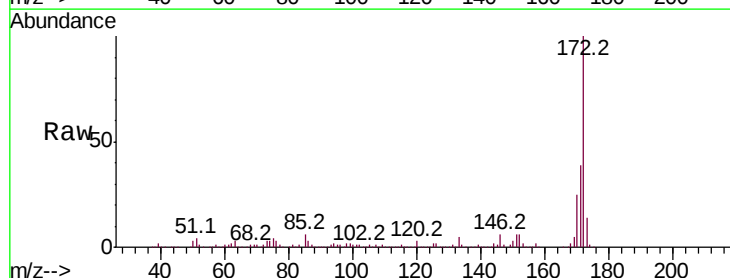


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

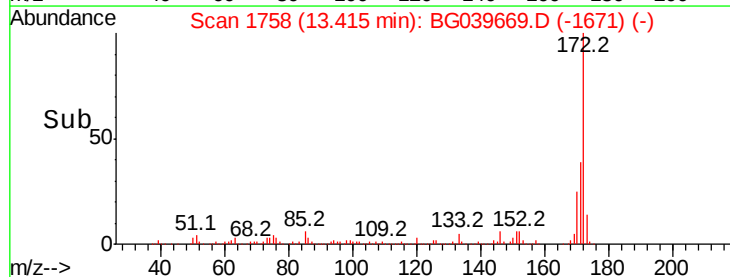
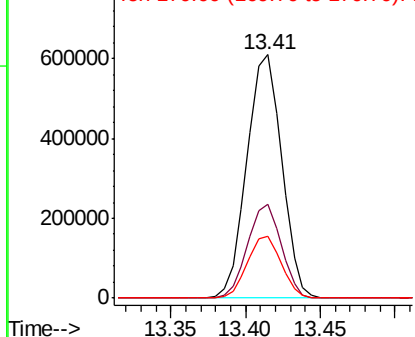


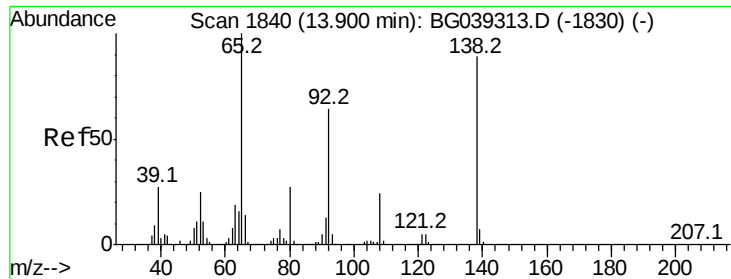
#45
 2-Fluorobiphenyl
 Concen: 83.769 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039669.D
 Acq: 28 Feb 2019 20:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	25.5	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

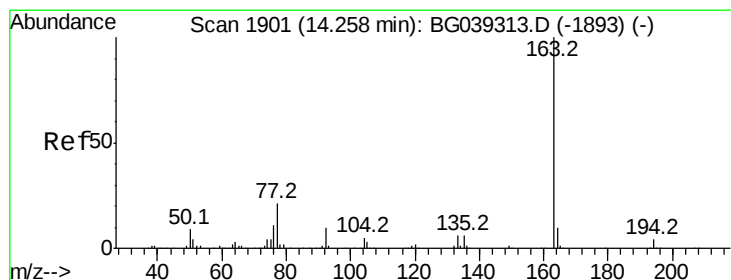
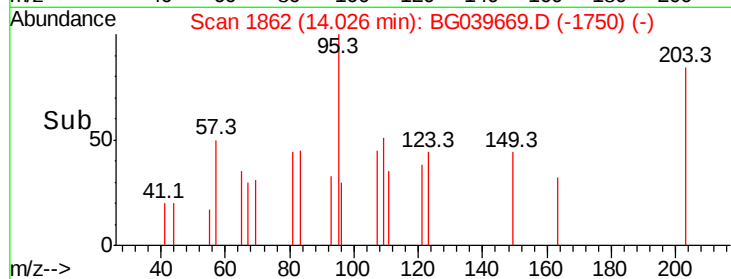
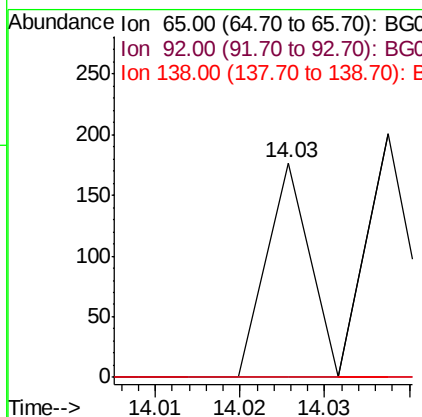
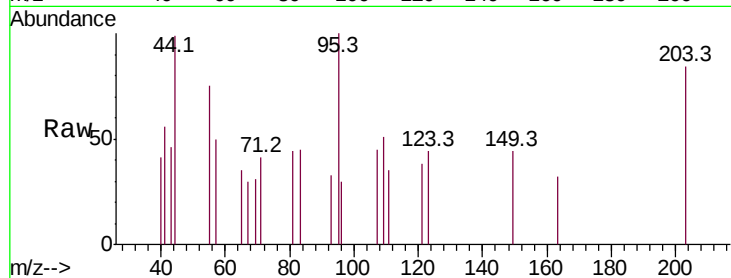




#48
2-Nitroaniline
Concen: 8.313 ng
RT: 14.03 min Scan# 1862
Delta R.T. 0.13 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

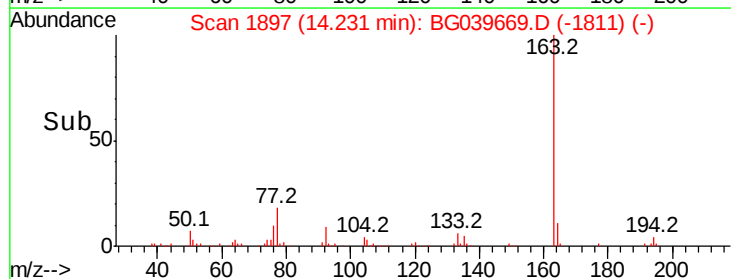
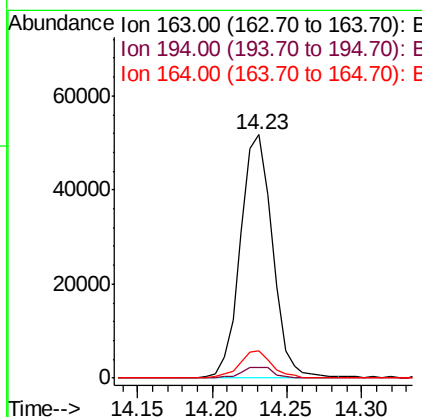
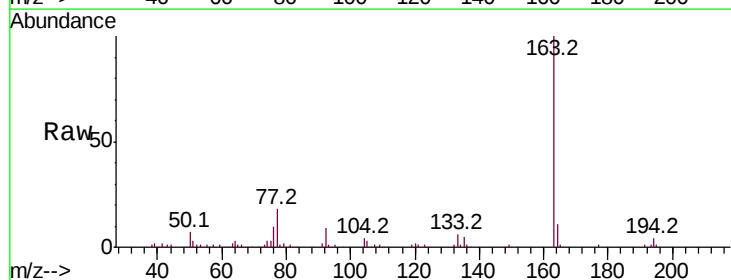
Instrument :
BNA_G
ClientSampled :

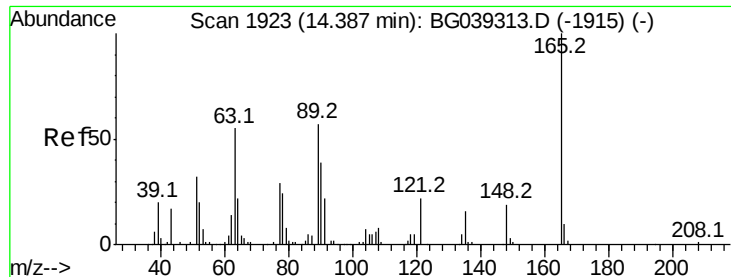
Tot Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 5.663 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:163 Resp: 77235
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 11.5 8.4 12.6

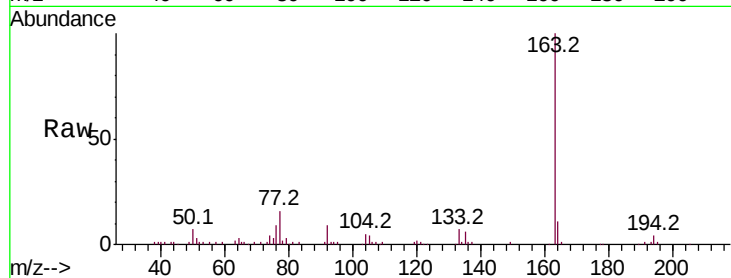




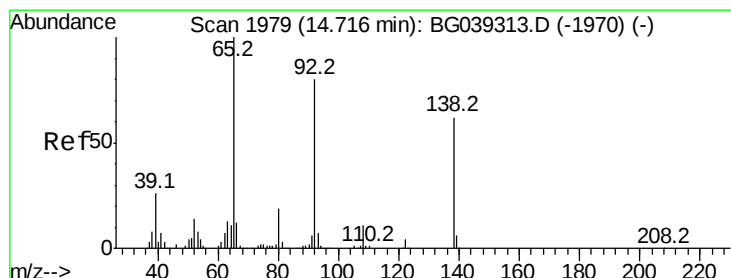
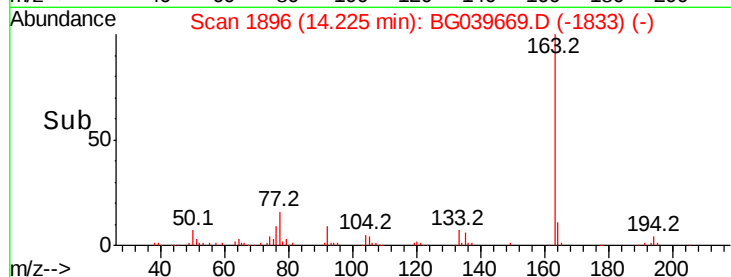
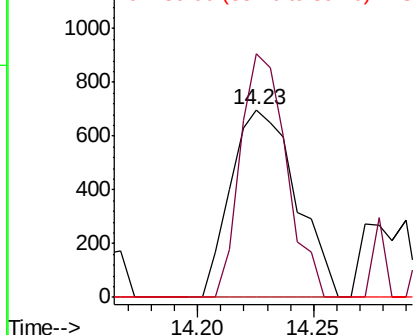
#51
2,6-Dinitrotoluene
Concen: 7.026 ng
RT: 14.23 min Scan# 1896
Delta R.T. -0.16 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 1378
Ion Ratio Lower Upper
165 100
63 129.8 47.0 70.6#
89 0.0 45.8 68.8#

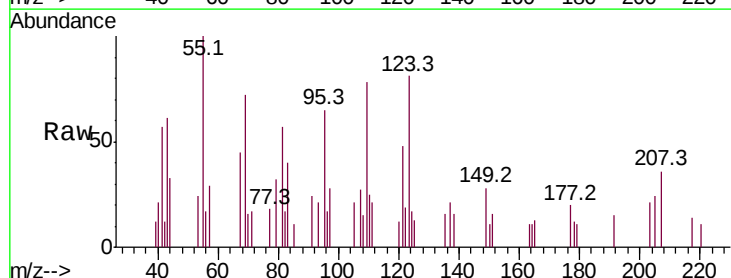


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

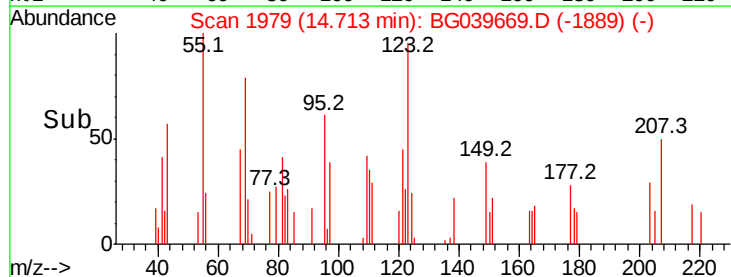
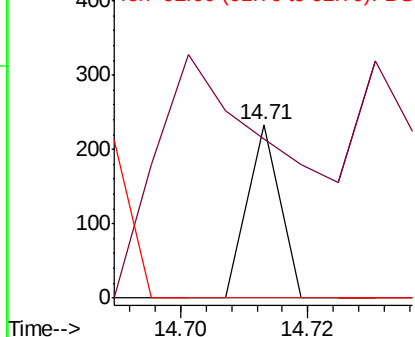


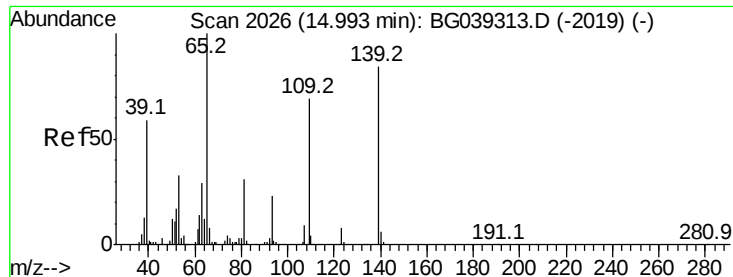
#53
3-Nitroaniline
Concen: 5.819 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
108 91.5 13.8 20.8#
92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

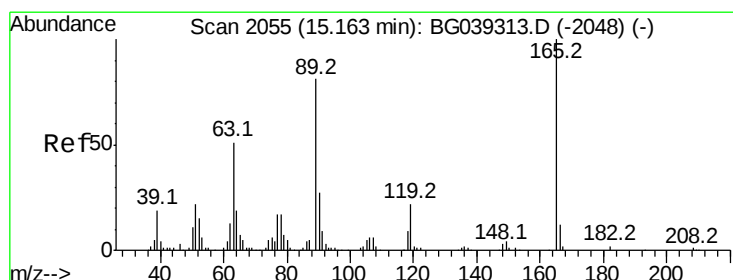
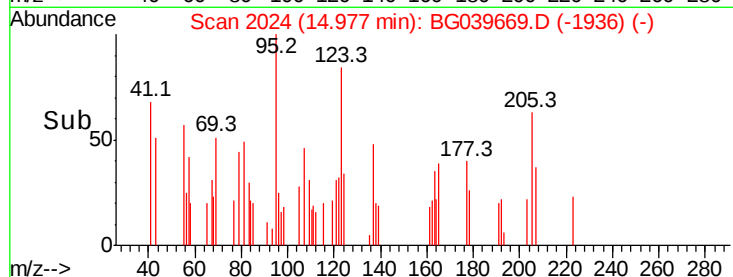
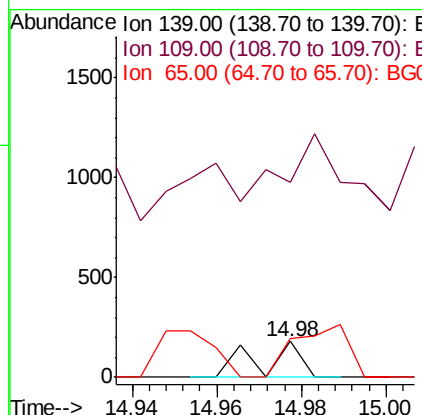
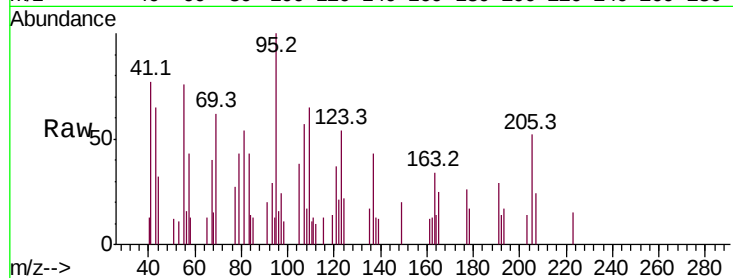




#56
4-Nitrophenol
Concen: 5.839 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

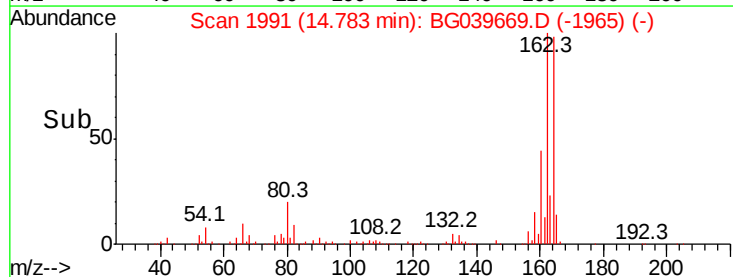
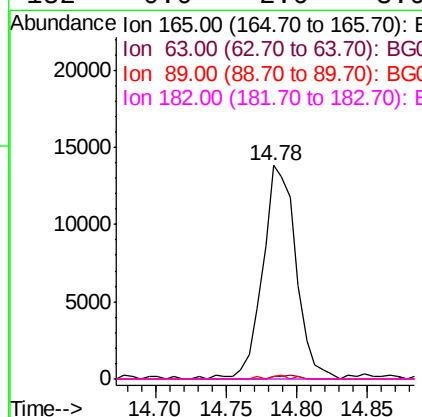
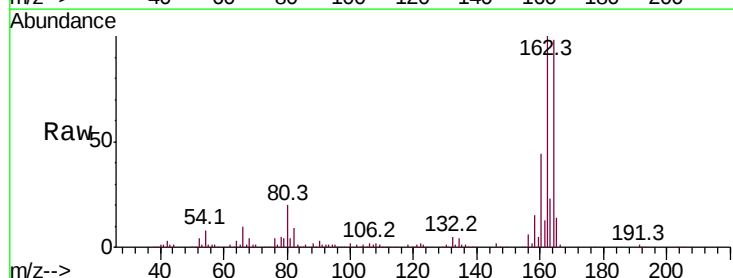
Instrument :
BNA_G
ClientSampleId :

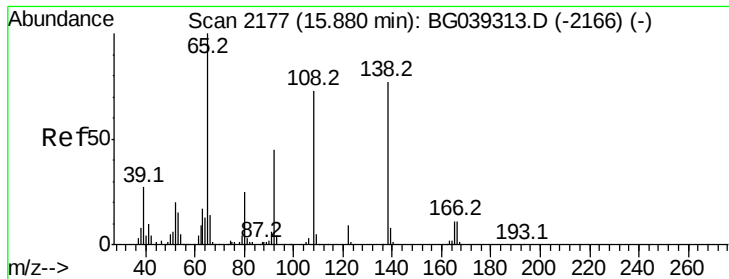
Tot Ion:139 Resp: 121
Ion Ratio Lower Upper
139 100
109 540.9 61.9 101.9#
65 106.6 99.1 139.1



#57
2,4-Dinitrotoluene
Concen: 13.703 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.38 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:165 Resp: 22930
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 1.4 64.6 96.8#
182 0.0 2.0 3.0#

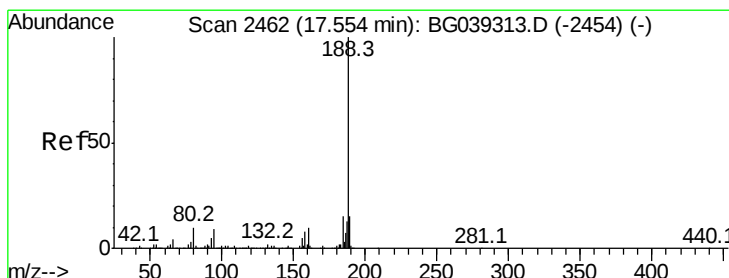
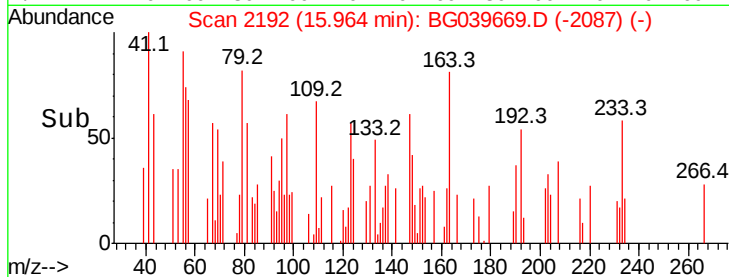
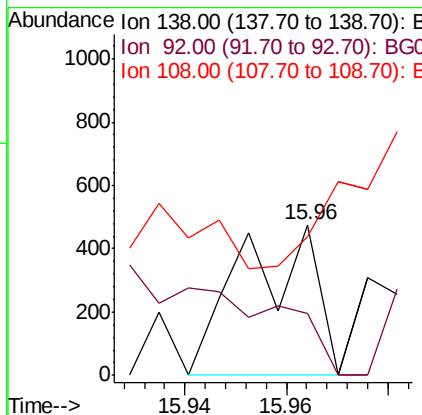
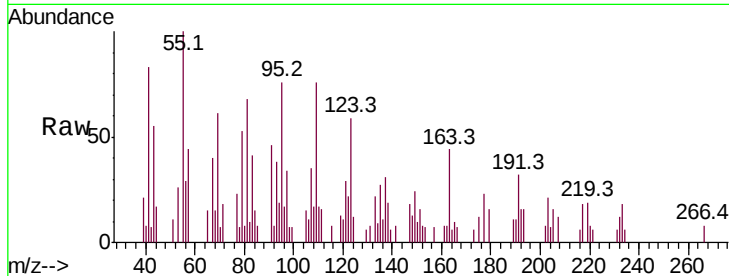




#62
4-Nitroaniline
Concen: 4.357 ng
RT: 15.96 min Scan# 2192
Delta R.T. 0.09 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

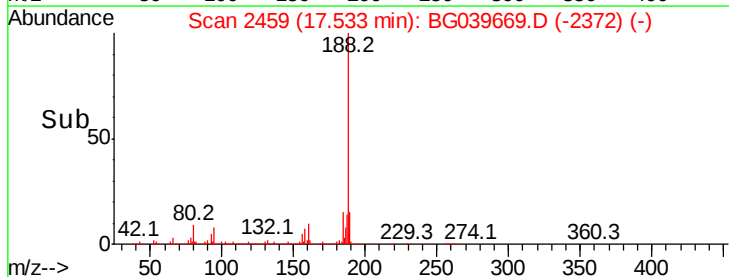
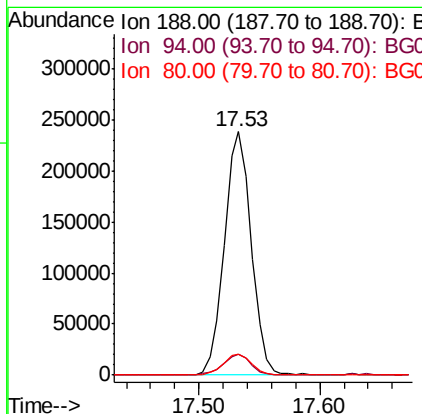
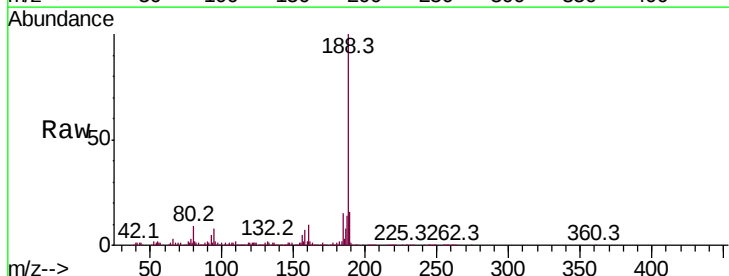
Instrument :
BNA_G
ClientSampled :

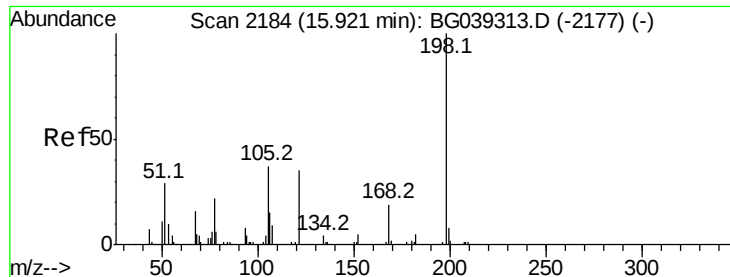
Tot Ion:138 Resp: 484
Ion Ratio Lower Upper
138 100
92 40.8 38.7 78.7
108 92.4 74.6 114.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039669.D
Acq: 28 Feb 2019 20:56

Tgt Ion:188 Resp: 367594
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 8.7 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.946 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

Instrument :

BNA_G

ClientSampled :

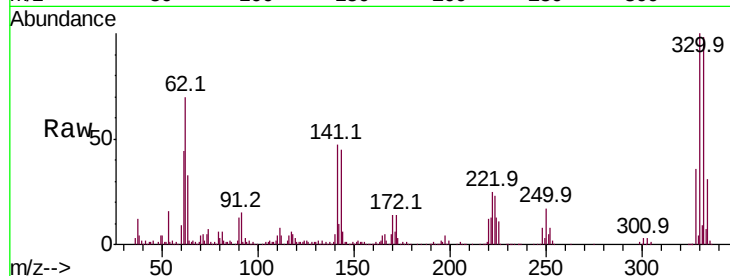
Tot Ion:198 Resp: 884

Ion Ratio Lower Upper

198 100

51 164.7 27.4 67.4#

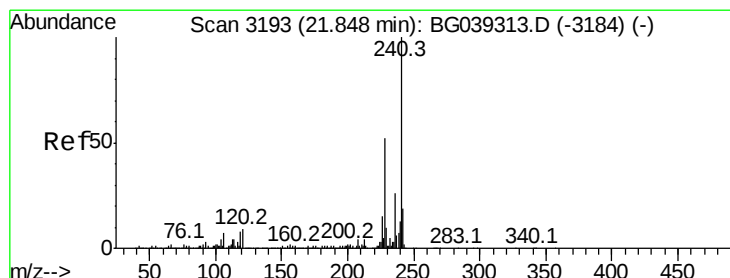
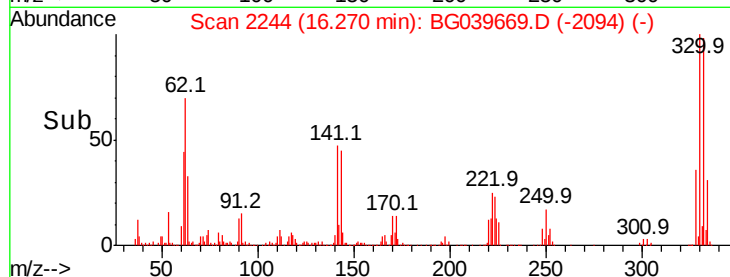
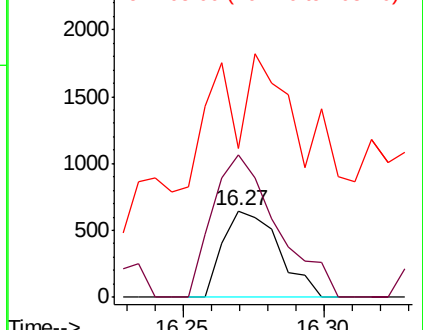
105 172.6 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.03 min

Lab File: BG039669.D

Acq: 28 Feb 2019 20:56

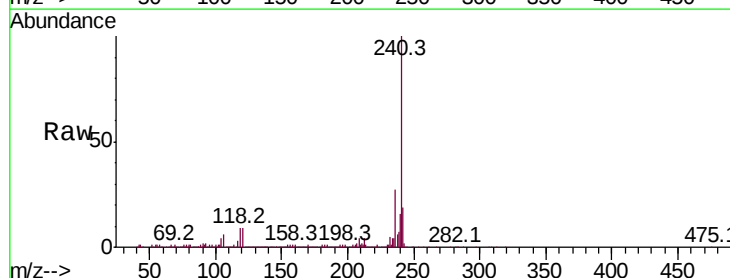
Tgt Ion:240 Resp: 391248

Ion Ratio Lower Upper

240 100

120 9.5 7.0 10.6

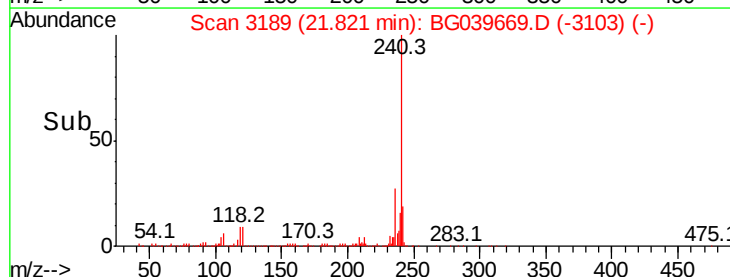
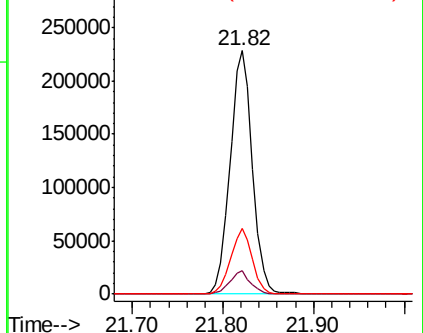
236 26.8 21.0 31.4

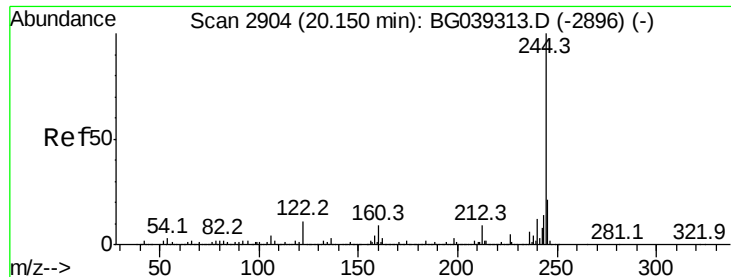


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



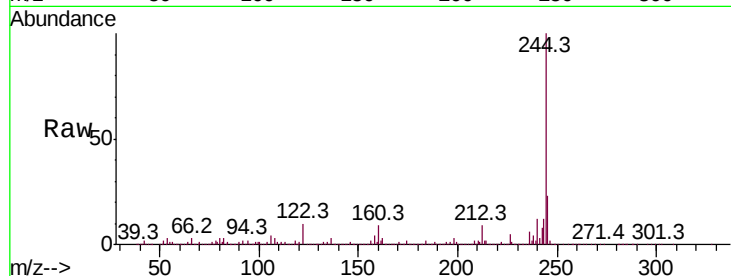


#79
 Terphenyl-d14
 Concen: 68.348 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039669.D
 Acq: 28 Feb 2019 20:56

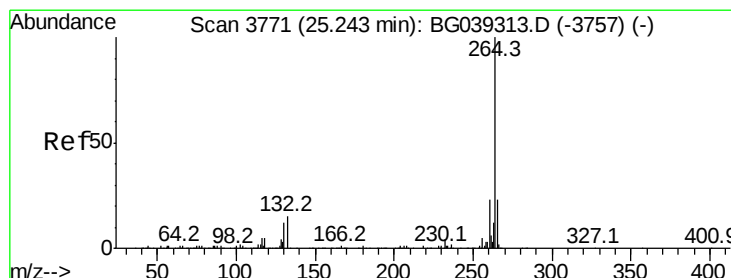
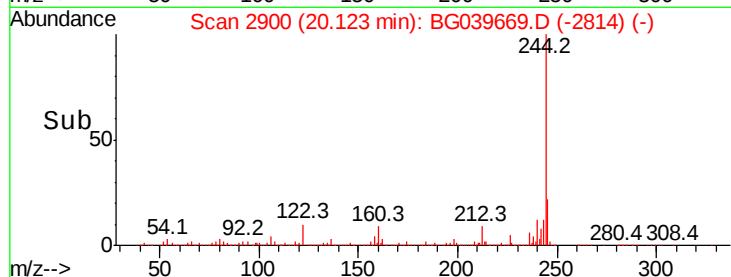
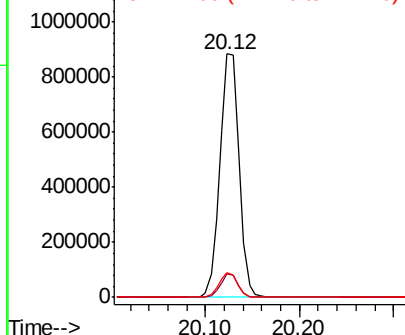
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1263343

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	10.0	8.4	12.6



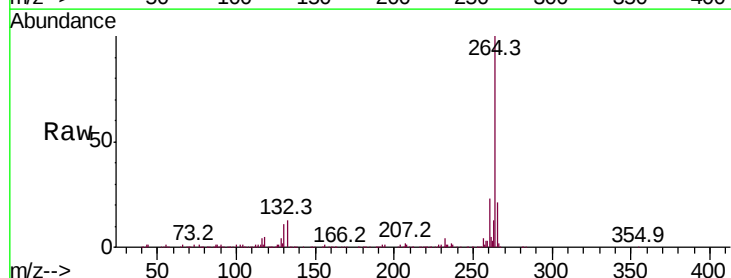
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.04 min
 Lab File: BG039669.D
 Acq: 28 Feb 2019 20:56

Tgt Ion:264 Resp: 415574

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.4	18.5	27.7



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

