

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039685.D
 Acq On : 1 Mar 2019 8:10
 Operator : JU/SJ
 Sample : K1652-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	52678	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	227229	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	140888	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	309519	20.00	ng	0.00
76) Chrysene-d12	21.82	240	337155	20.00	ng	-0.01
87) Perylene-d12	25.21	264	318217	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	471297	153.12	ng	0.00
7) Phenol-d6	7.31	99	601860	132.85	ng	0.00
23) Nitrobenzene-d5	9.34	82	444253	122.14	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	188371	124.16	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	979881	99.77	ng	0.00
79) Terphenyl-d14	20.12	244	1478449	92.82	ng	0.00

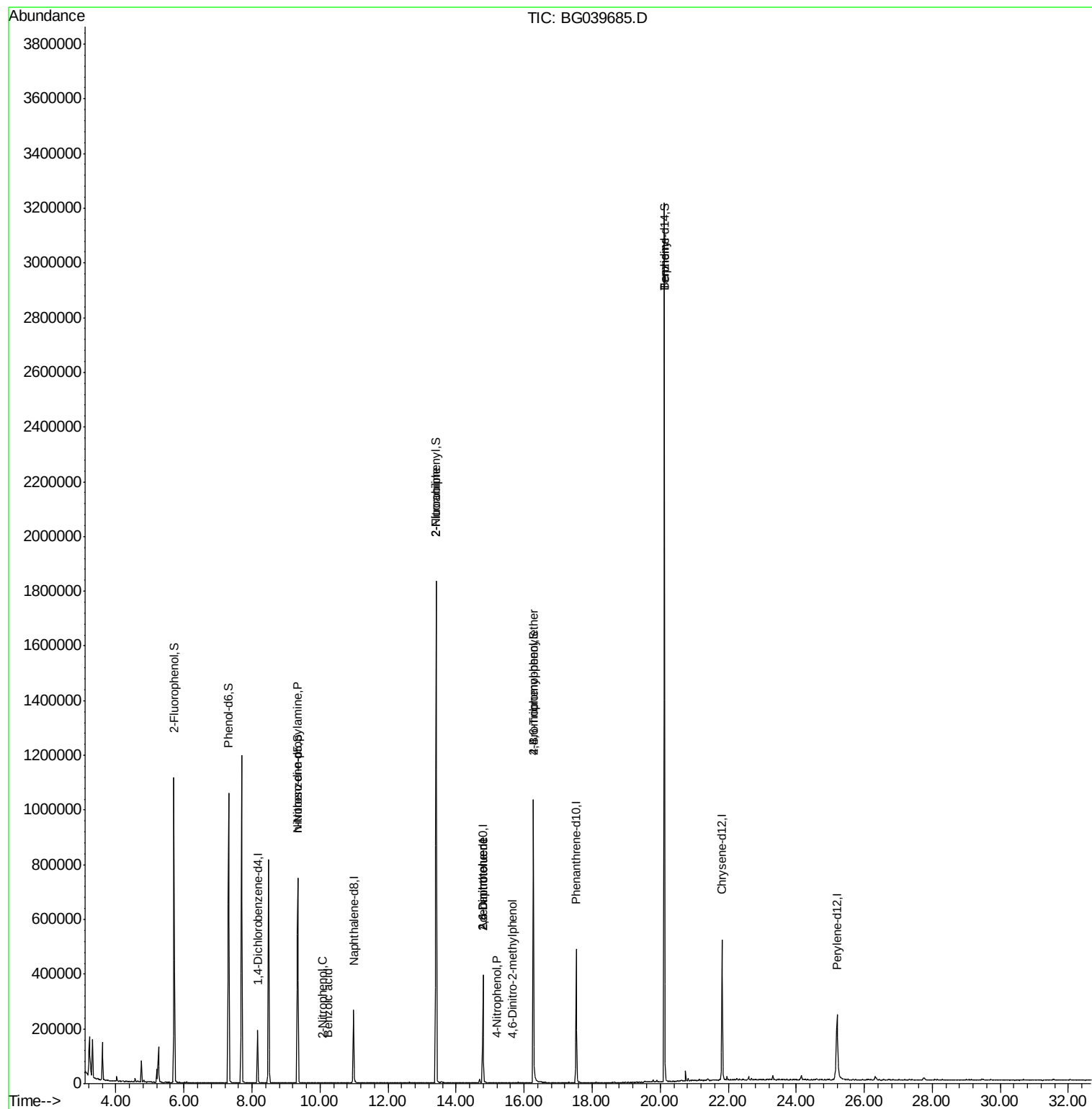
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1000	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	59925	18.636	ng	# 71
26) 2-Nitrophenol	10.08	139	71	4.060	ng	# 31
32) Benzoic acid	10.24	122	325	9.145	ng	# 98
48) 2-Nitroaniline	13.41	65	1668	8.841	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	17619	13.712	ng	# 25
56) 4-Nitrophenol	15.19	139	698	6.109	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	17619	13.239	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.66	198	65	4.238	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	15227	4.434	ng	# 1
77) Benzidine	20.12	184	25918	2.345	ng	# 95

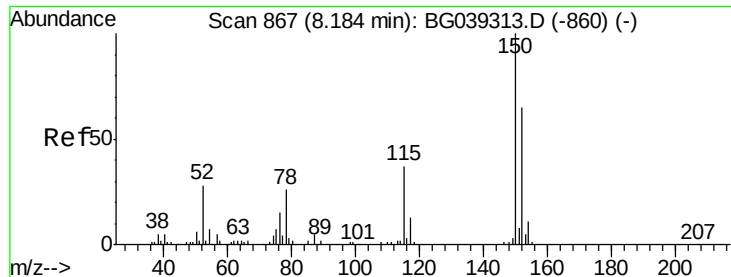
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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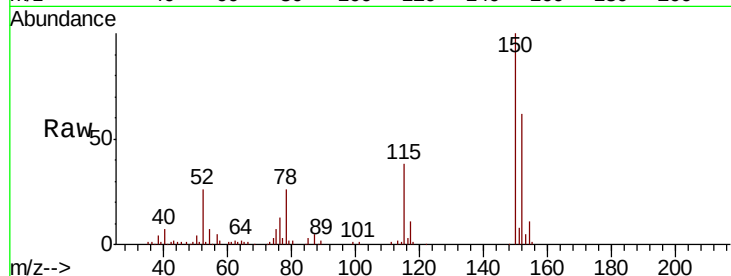


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	123.7	185.5
115	61.9	45.9	68.9

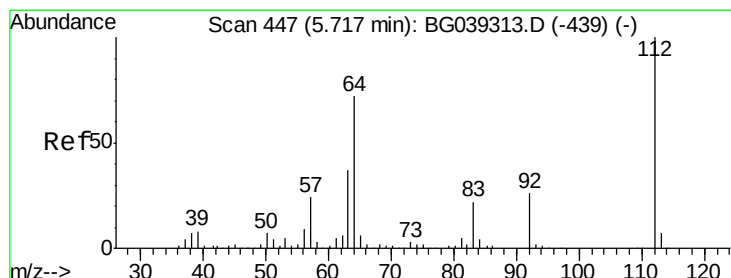
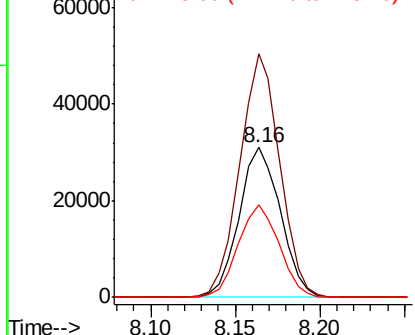
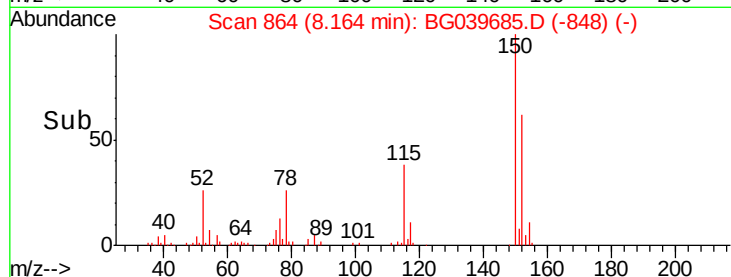


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

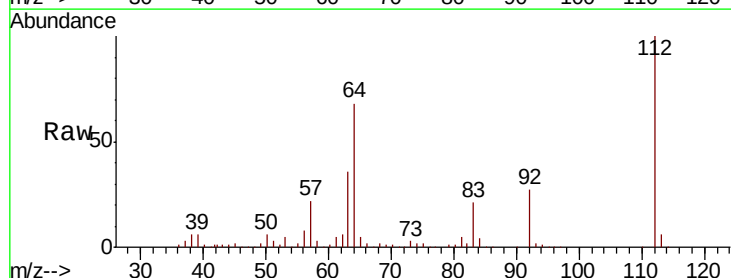
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 153.124 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.01 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	57.8	86.8
63	36.3	29.8	44.6

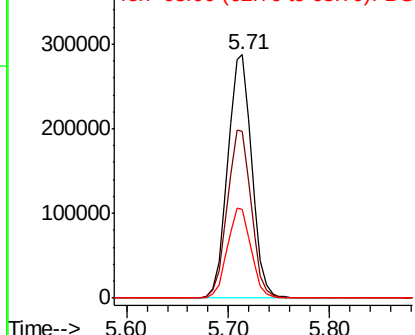
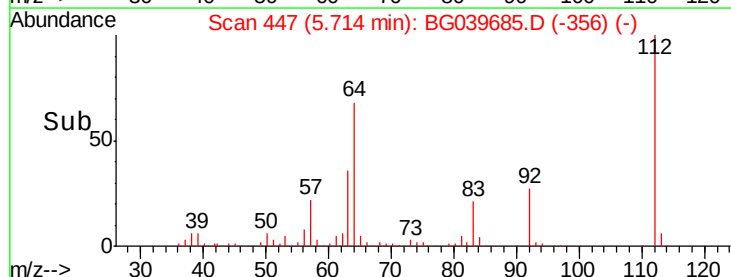


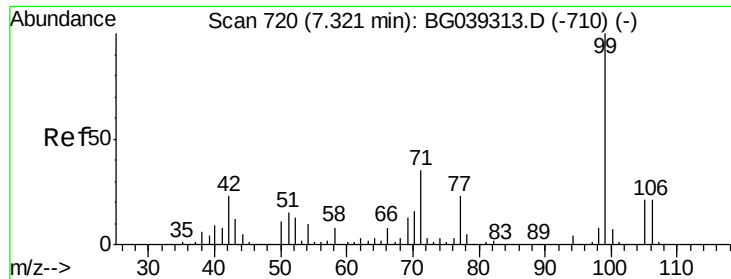
Abundance

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: 132.845 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

Instrument :

BNA_G

ClientSampled :

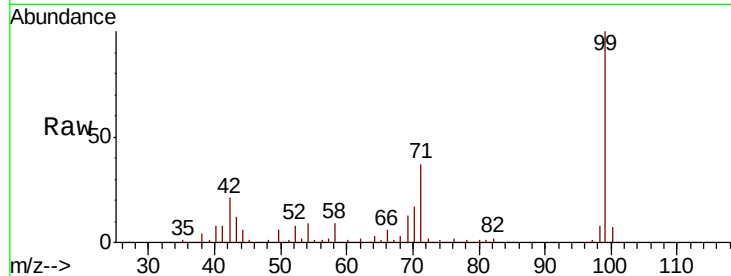
Tot Ion: 99 Resp: 601860

Ion Ratio Lower Upper

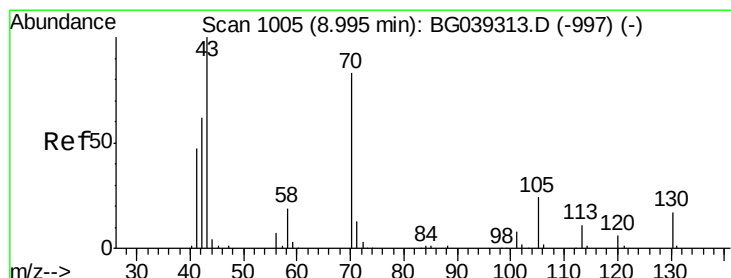
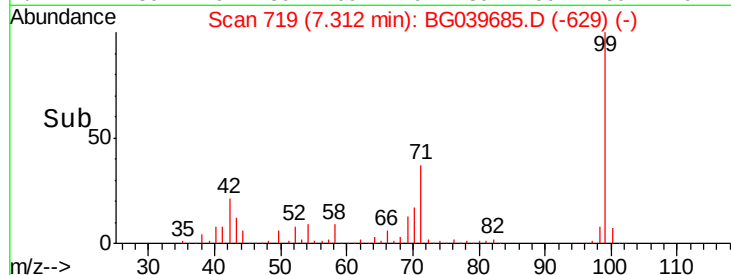
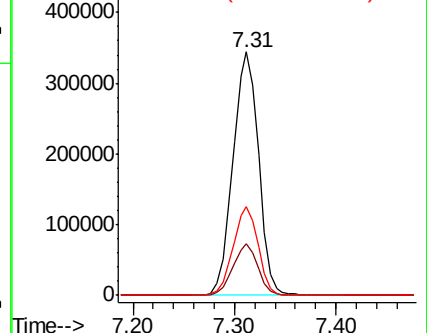
99 100

42 21.2 18.2 27.2

71 36.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.636 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

Tgt Ion: 70 Resp: 59925

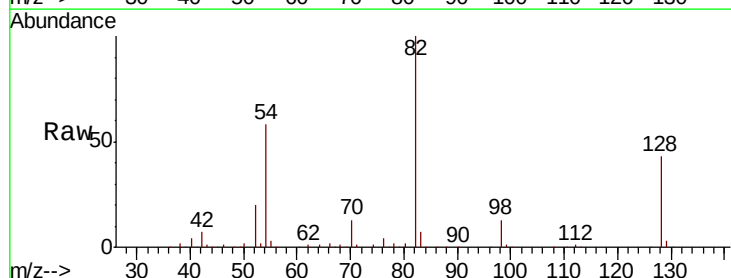
Ion Ratio Lower Upper

70 100

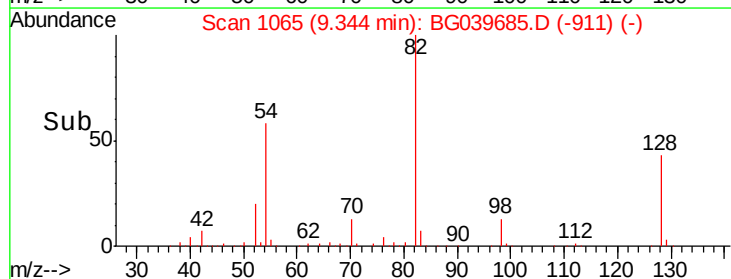
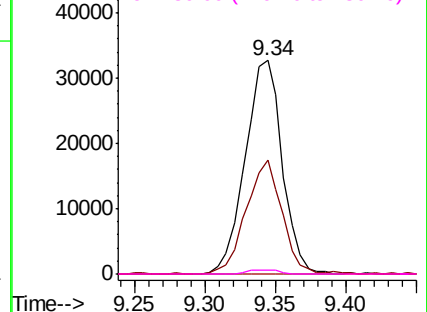
42 53.5 60.4 90.6#

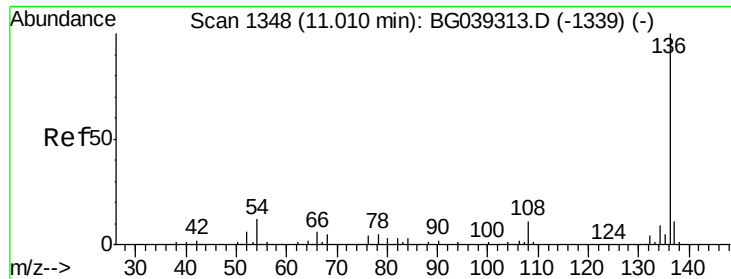
101 0.0 7.5 11.3#

130 1.6 16.9 25.3#



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

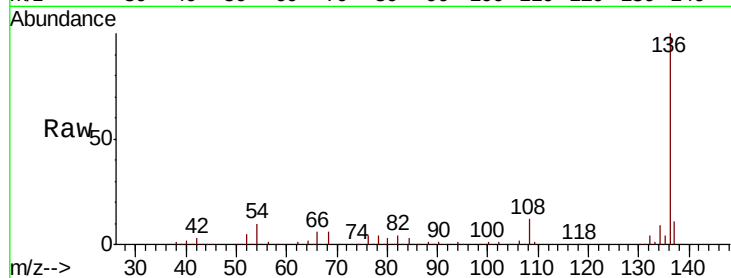




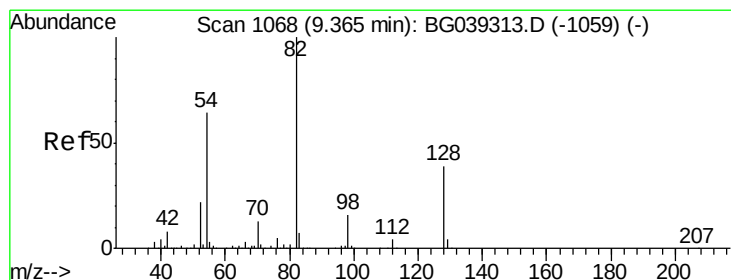
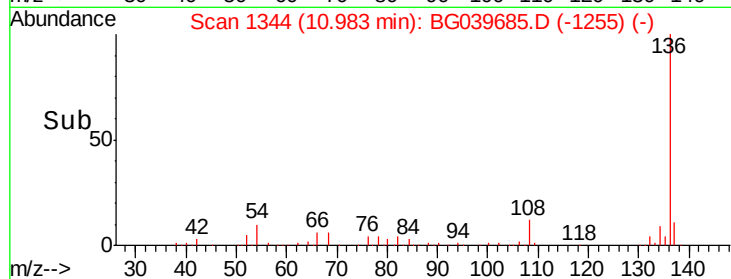
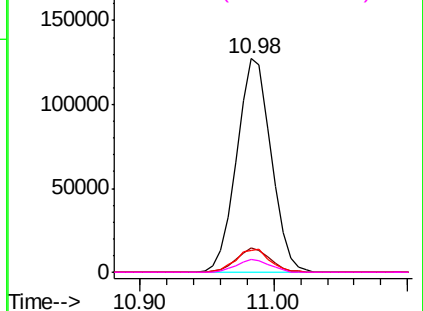
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	227229
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.1 13.7
54	10.3	9.4 14.2
68	6.1	4.2 6.4

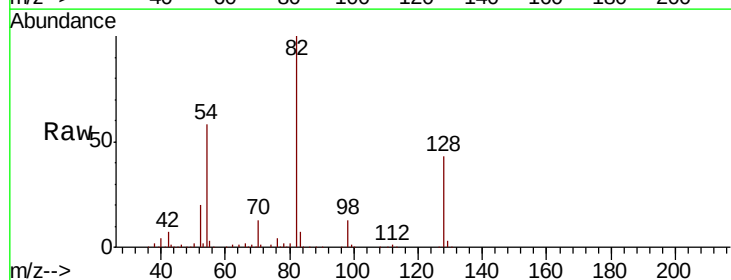


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

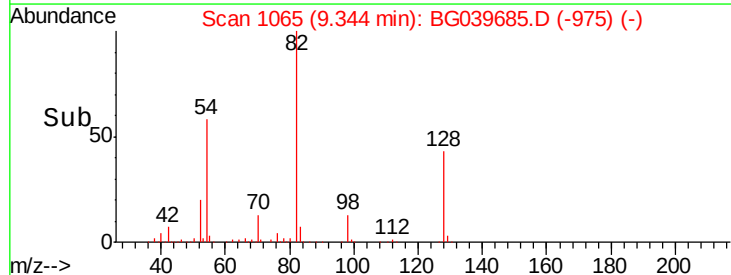
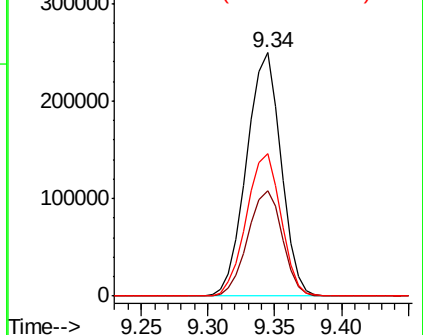


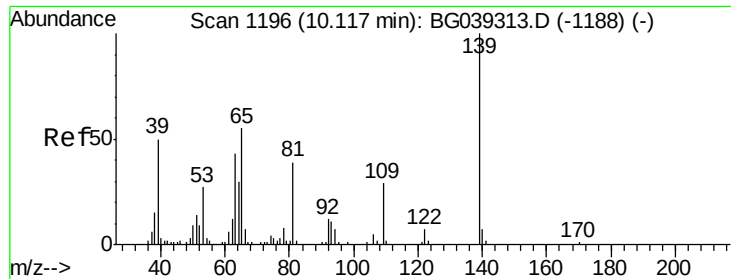
#23
Nitrobenzene-d5
Concen: 122.138 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Tgt Ion: 82	Resp:	444253
Ion Ratio	Lower	Upper
82	100	
128	43.1	31.3 46.9
54	58.4	50.9 76.3



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

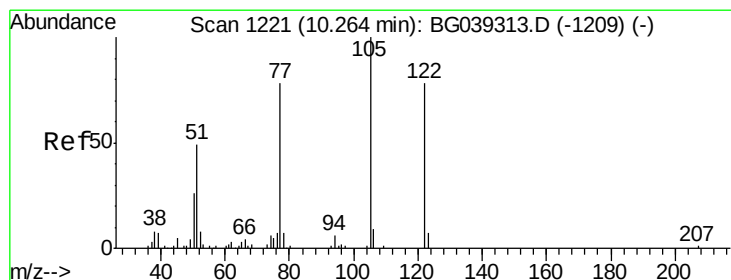
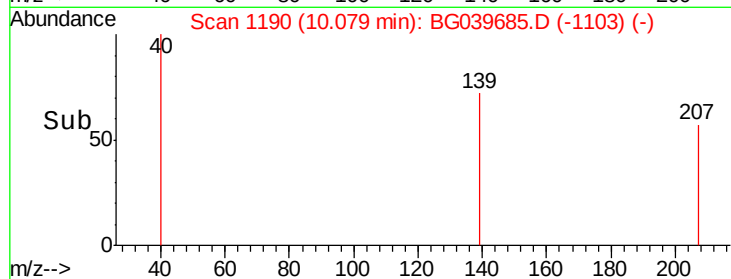
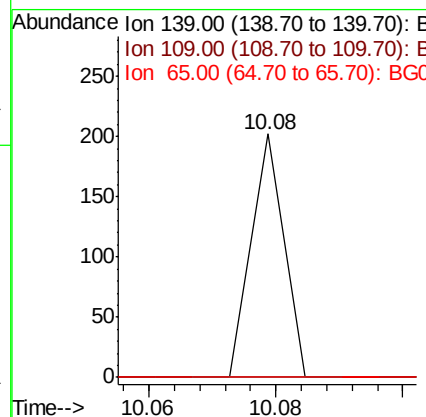
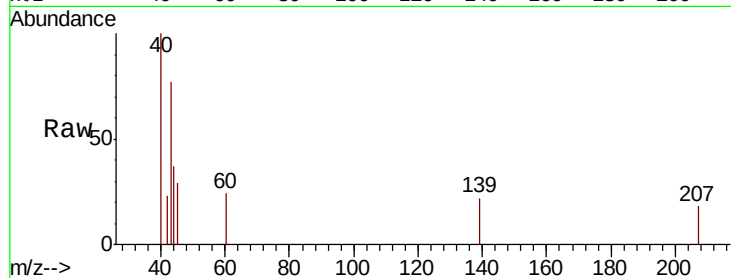




#26
2-Nitrophenol
Concen: 4.060 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

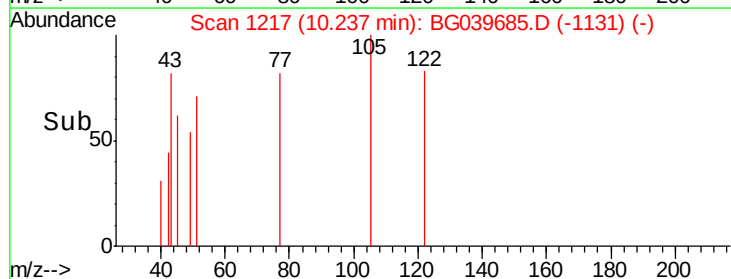
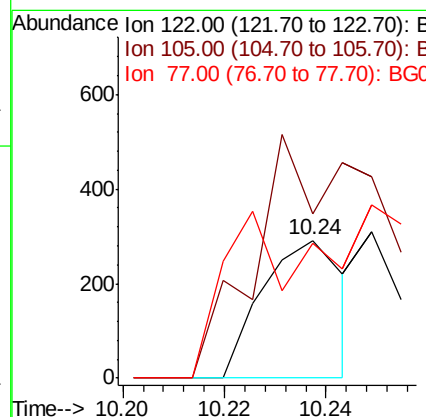
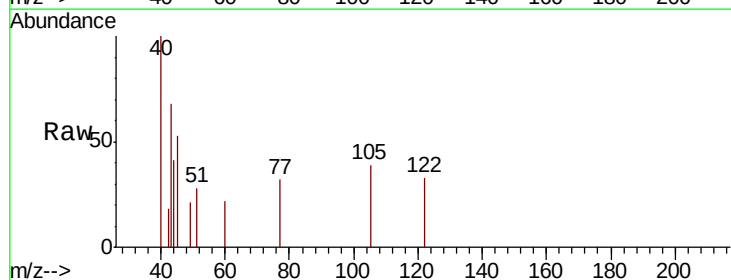
Instrument :
BNA_G
ClientSampleId :

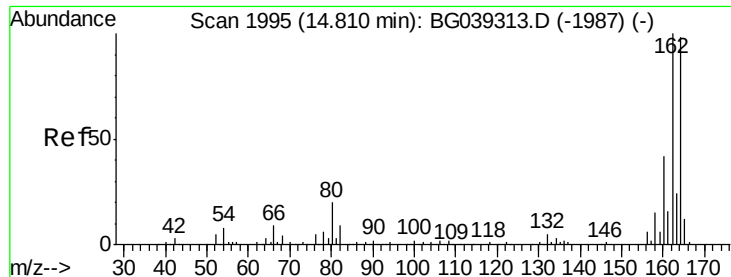
Tot Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 44.3 66.5#



#32
Benzoic acid
Concen: 9.145 ng
RT: 10.24 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Tgt Ion:122 Resp: 325
Ion Ratio Lower Upper
122 100
105 119.9 101.8 141.8
77 98.3 76.3 116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

Instrument :

BNA_G

ClientSampleId :

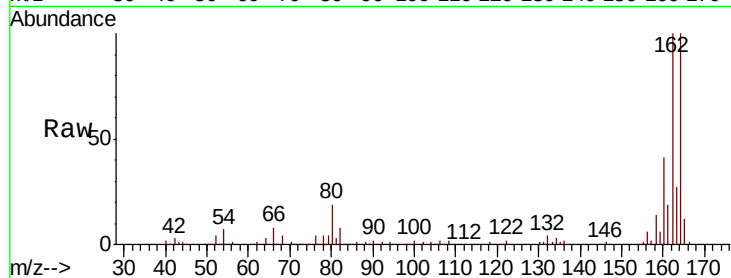
Tot Ion:164 Resp: 140888

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

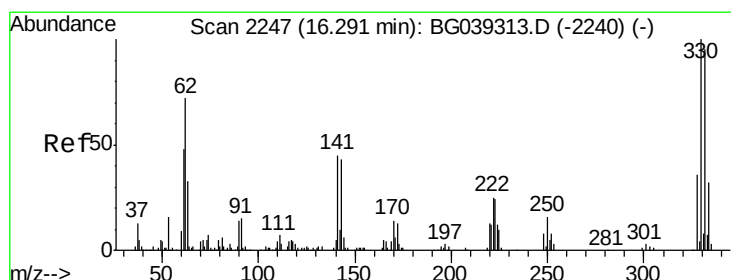
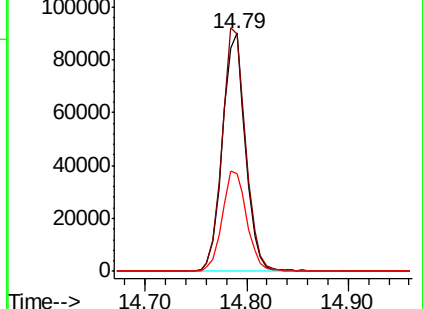
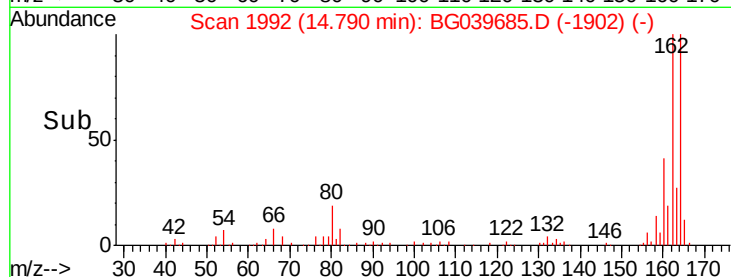
160 41.1 34.2 51.2



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: 124.163 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

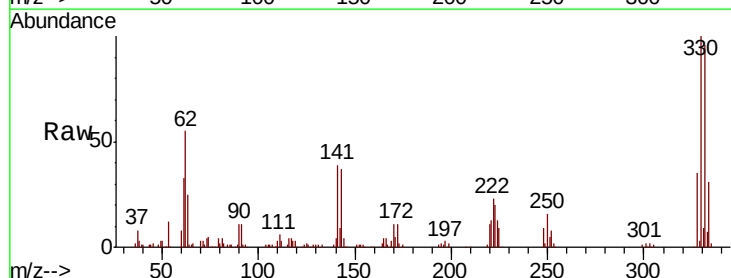
Tgt Ion:330 Resp: 188371

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

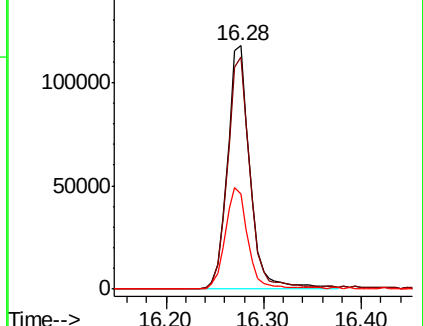
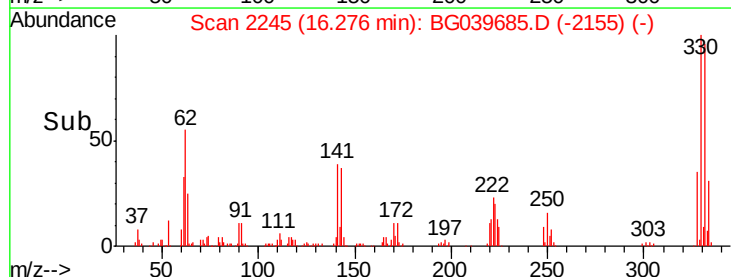
141 42.3 35.6 53.4

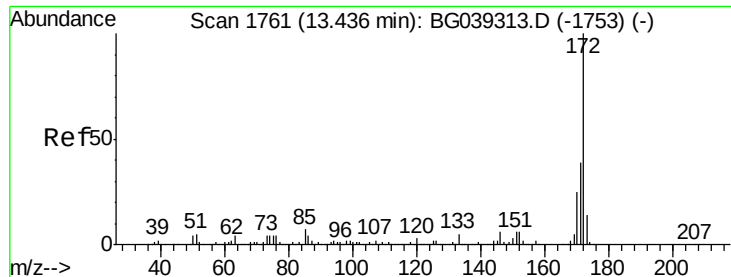


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

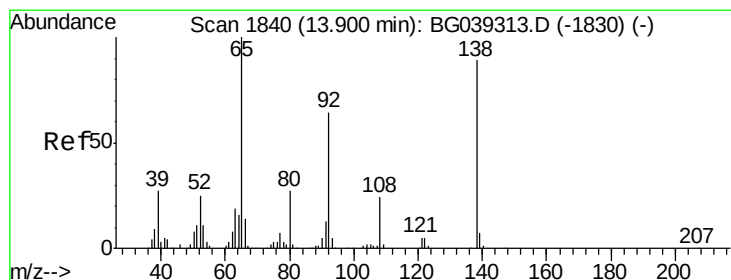
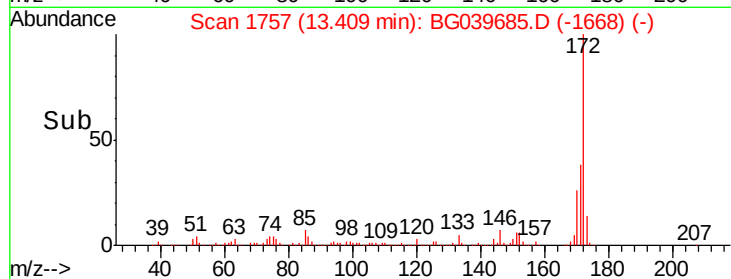
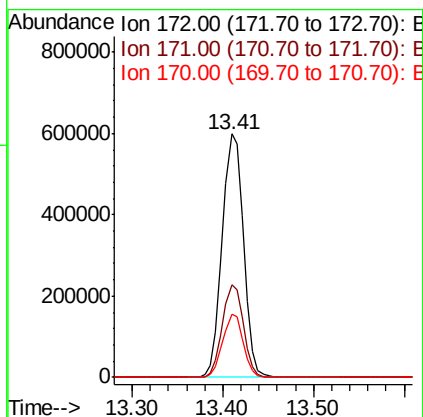
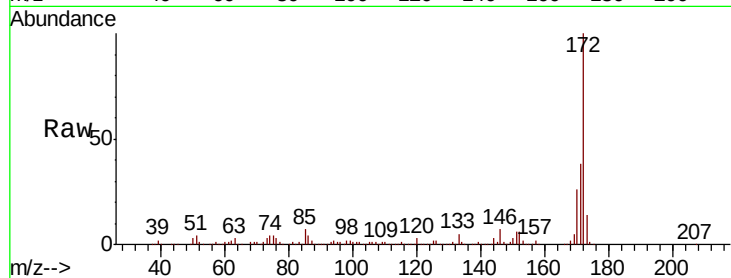




#45
2-Fluorobiphenyl
Concen: 99.773 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

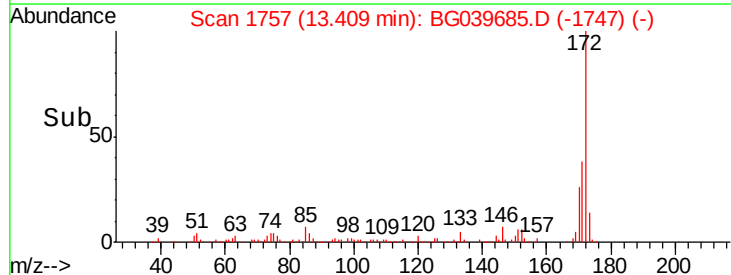
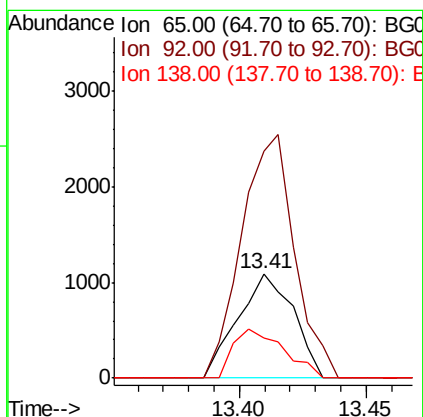
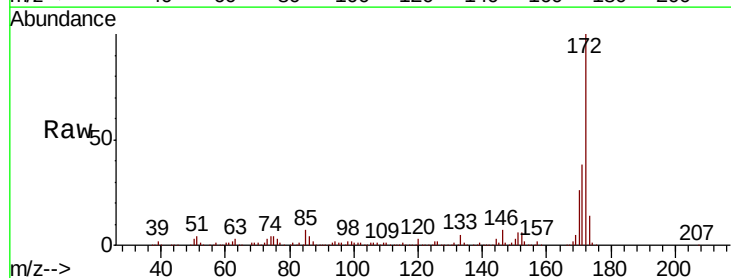
Instrument :
BNA_G
ClientSampleId :

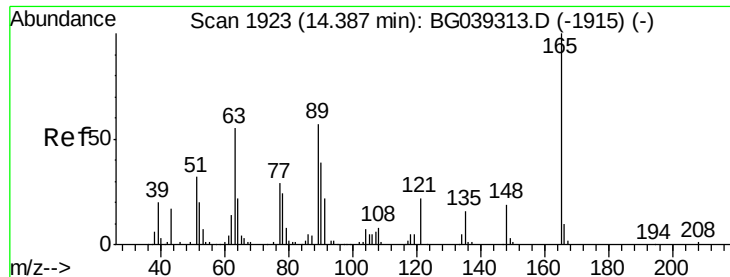
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.8	46.2
170	26.0	20.2	30.4



#48
2-Nitroaniline
Concen: 8.841 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.47 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	218.5	51.4	77.2#
138	38.3	71.4	107.2#

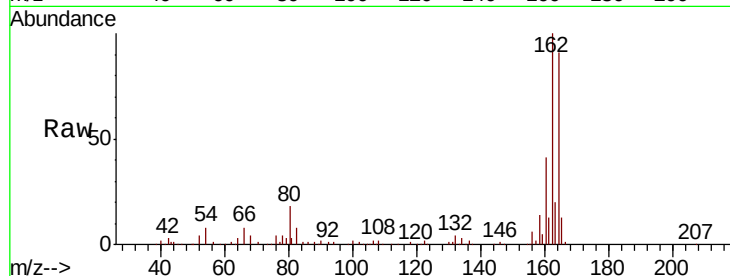




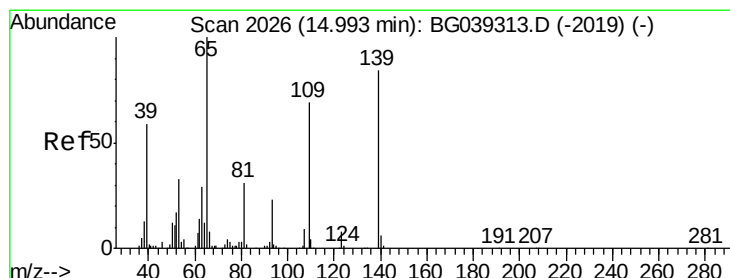
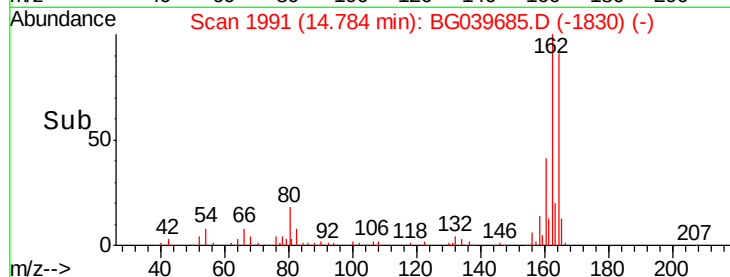
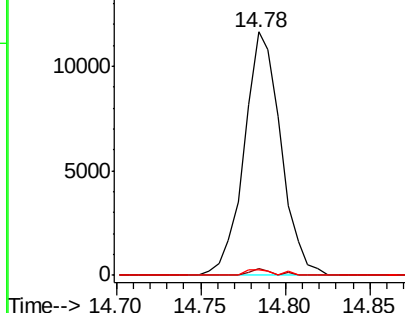
#51
 2,6-Dinitrotoluene
 Concen: 13.712 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17619
 Ion Ratio Lower Upper
 165 100
 63 2.5 47.0 70.6#
 89 2.2 45.8 68.8#

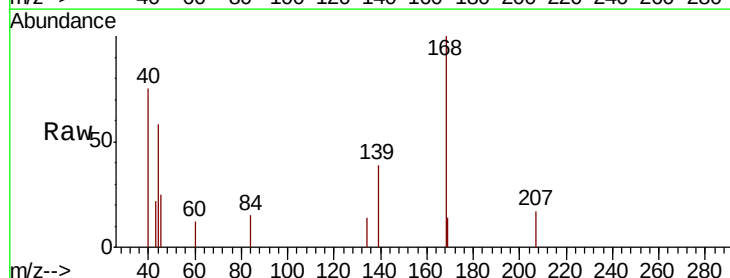


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

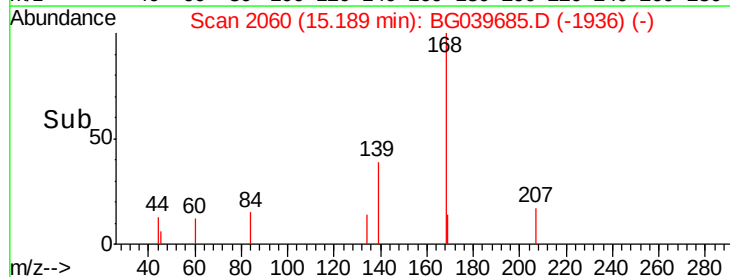
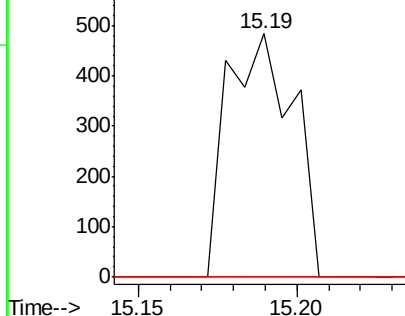


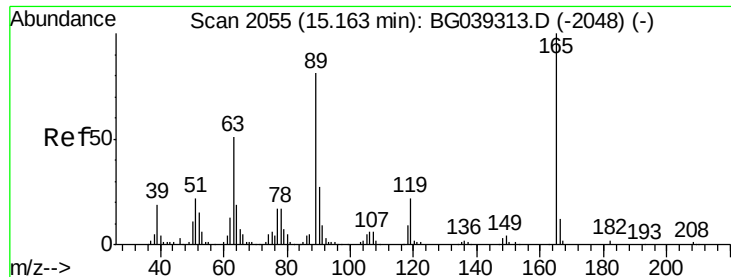
#56
 4-Nitrophenol
 Concen: 6.109 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.20 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Tgt Ion:139 Resp: 698
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGO





#57

2,4-Dinitrotoluene

Concen: 13.239 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17619

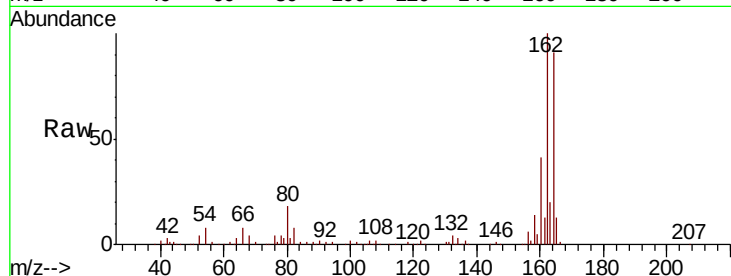
Ion Ratio Lower Upper

165 100

63 2.5 41.0 61.6#

89 2.2 64.6 96.8#

182 0.0 2.0 3.0#

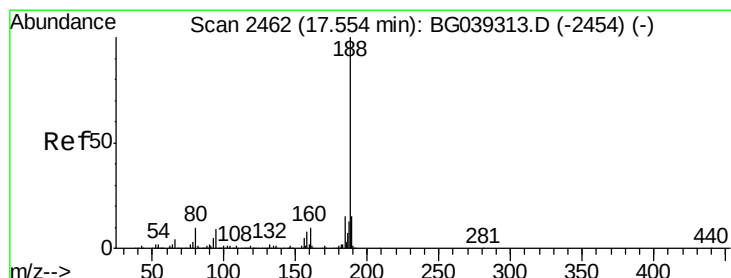
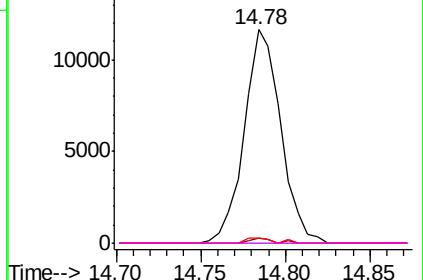
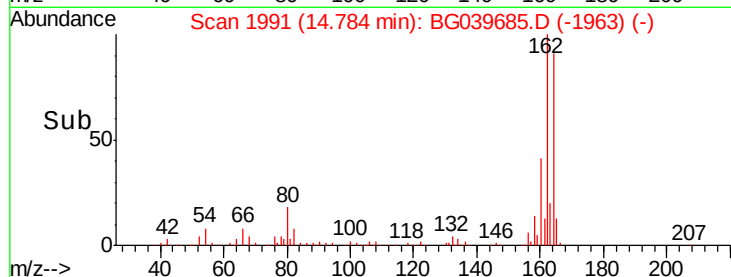


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039685.D

Acq: 1 Mar 2019 8:10

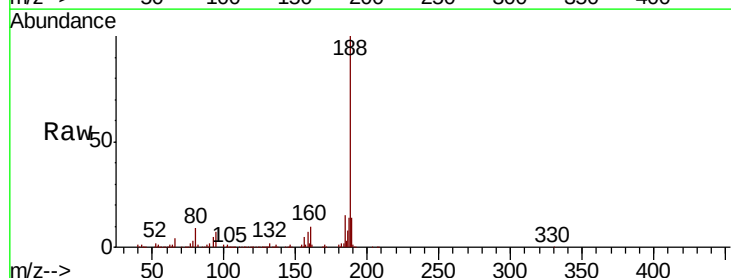
Tgt Ion:188 Resp: 309519

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

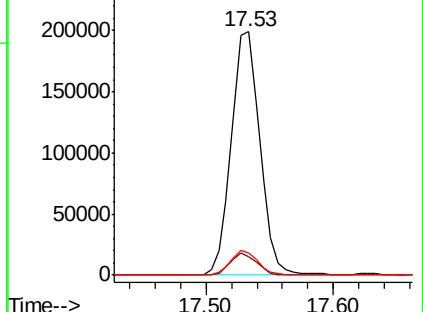
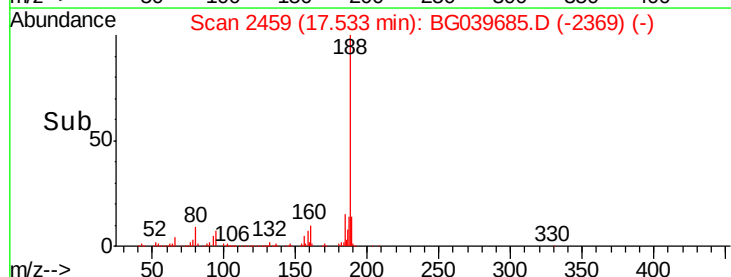
80 8.9 8.1 12.1

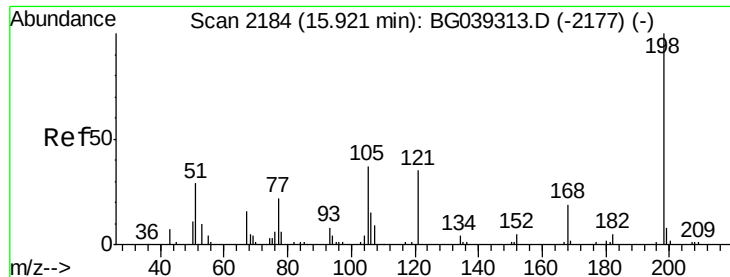


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

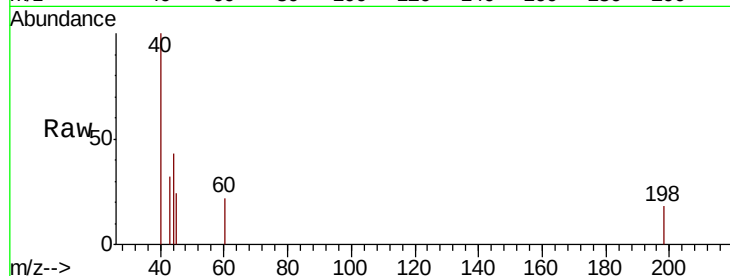




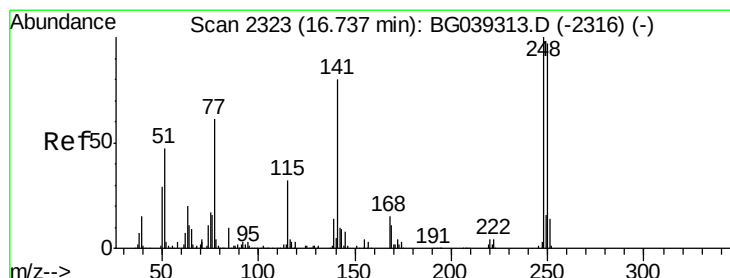
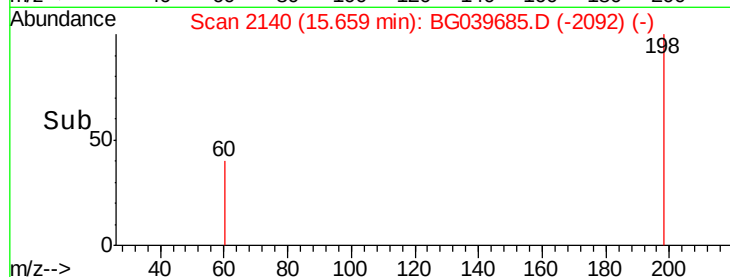
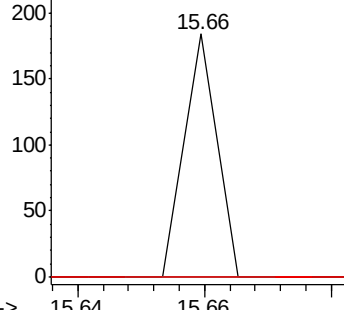
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.238 ng
 RT: 15.66 min Scan# 2140
 Delta R.T. -0.25 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	27.4	67.4#
105	0.0	19.7	59.7#

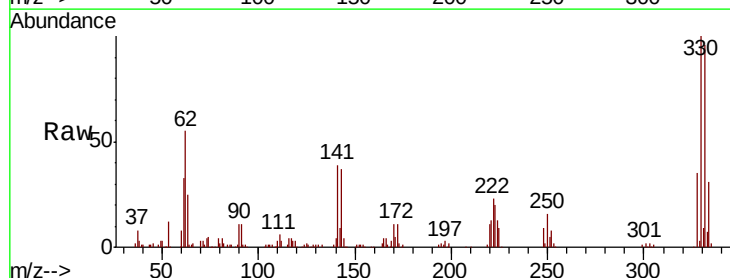


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

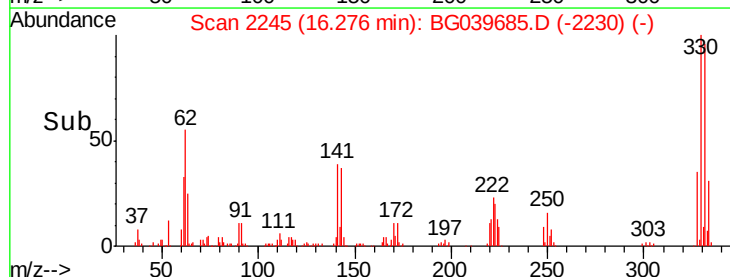
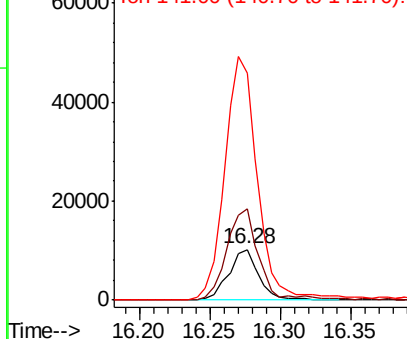


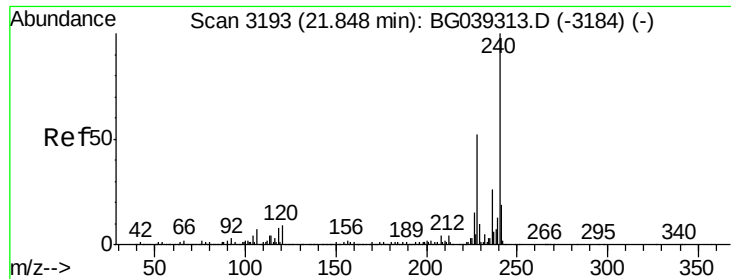
#67
 4-Bromophenyl-phenylether
 Concen: 4.434 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	179.8	77.6	116.4#
141	447.9	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

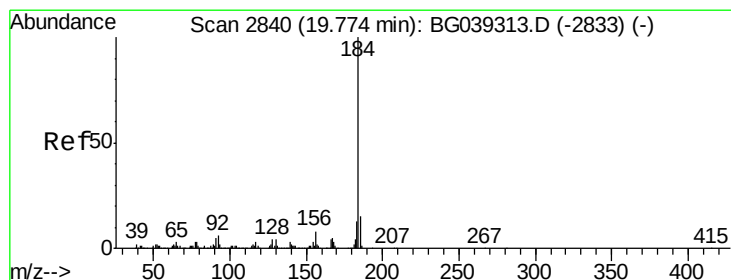
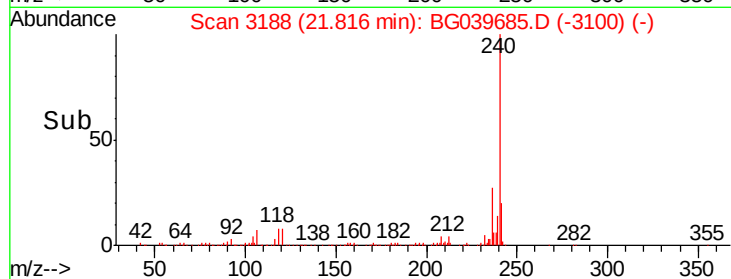
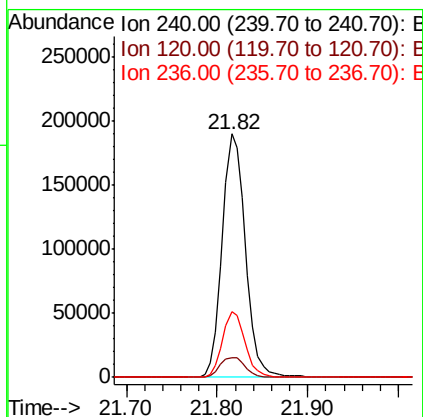
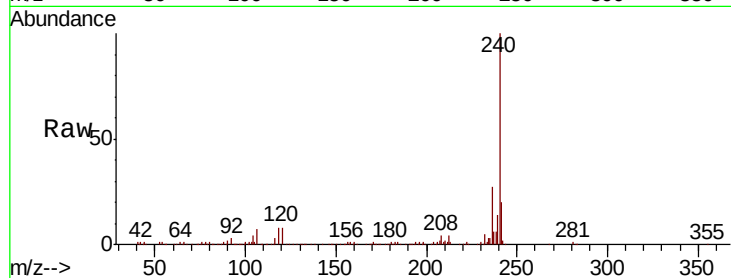




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

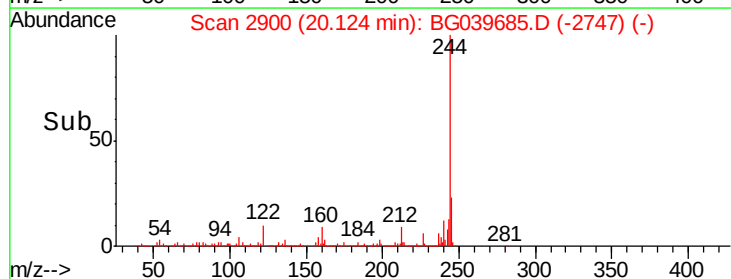
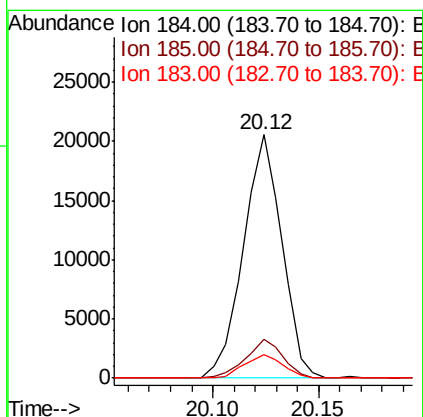
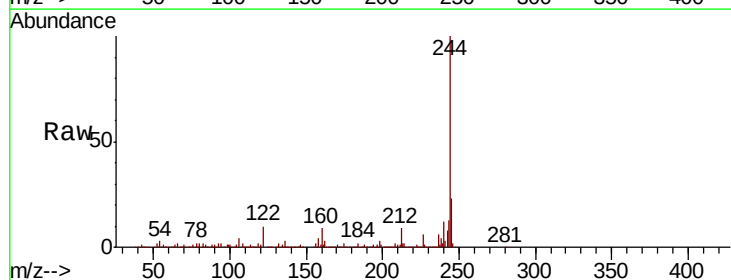
Instrument :
BNA_G
ClientSampled :

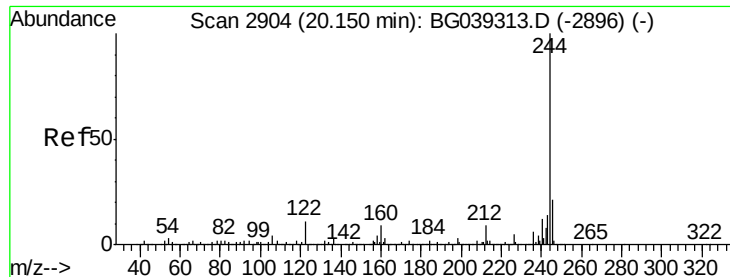
Tot Ion:240 Resp: 337155
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 26.8 21.0 31.4



#77
Benzidine
Concen: 2.345 ng
RT: 20.12 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039685.D
Acq: 1 Mar 2019 8:10

Tgt Ion:184 Resp: 25918
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 9.5 10.6 15.8#

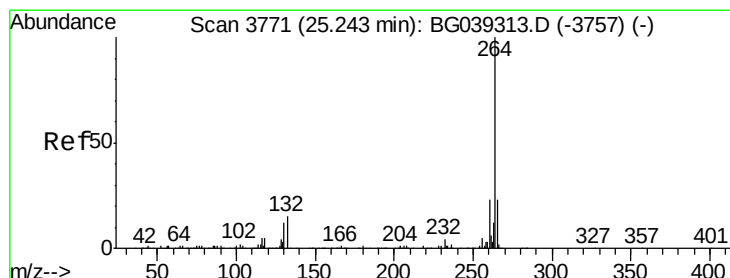
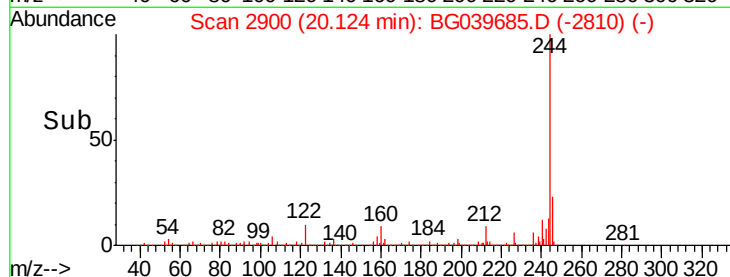
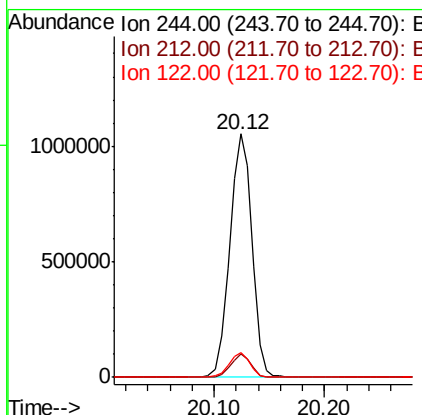
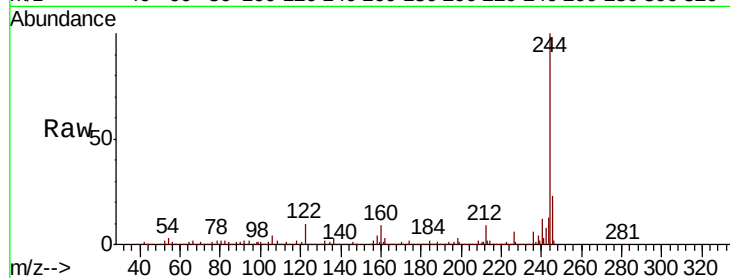




#79
 Terphenyl-d14
 Concen: 92.818 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1478449
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.3 10.9
 122 10.3 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.21 min Scan# 3765
 Delta R.T. 0.01 min
 Lab File: BG039685.D
 Acq: 1 Mar 2019 8:10

Tgt Ion:264 Resp: 318217
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.2 27.4
 265 21.4 18.5 27.7

