

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039672.D
 Acq On : 28 Feb 2019 22:53
 Operator : JU/SJ
 Sample : K1643-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:06:21 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	49823	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	216376	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	141296	20.00	ng	-0.03
64) Phenanthrene-d10	17.53	188	315427	20.00	ng	-0.03
76) Chrysene-d12	21.82	240	306442	20.00	ng	-0.03
87) Perylene-d12	25.20	264	323210	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	325000	111.64	ng	0.00
7) Phenol-d6	7.31	99	481284	112.32	ng	-0.01
23) Nitrobenzene-d5	9.34	82	282274	81.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	176803	116.20	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	701293	71.20	ng	-0.03
79) Terphenyl-d14	20.13	244	934475	64.55	ng	-0.03

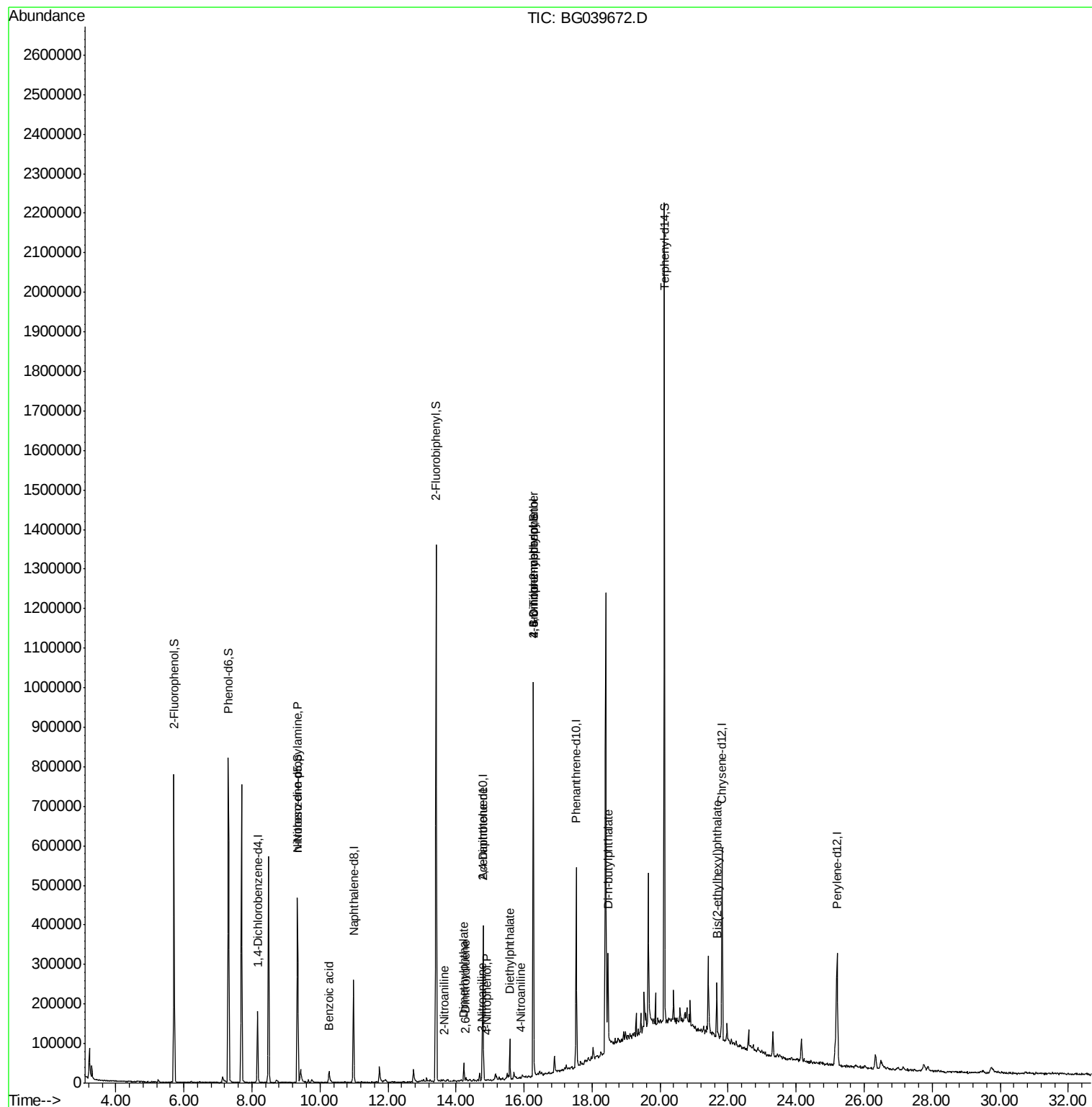
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	763	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	36763	12.088	ng	# 69
32) Benzoic acid	10.25	122	152	9.082	ng	# 1
48) 2-Nitroaniline	13.66	65	75	8.321	ng	# 10
50) Dimethylphthalate	14.23	163	30863	2.705	ng	96
51) 2,6-Dinitrotoluene	14.29	165	1376	7.116	ng	# 22
53) 3-Nitroaniline	14.75	138	392	5.943	ng	# 1
56) 4-Nitrophenol	14.89	139	80	5.830	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18102	13.371	ng	# 18
60) Diethylphthalate	15.58	149	56443	4.784	ng	98
62) 4-Nitroaniline	15.89	138	61	4.226	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	579	4.763	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	13998	4.000	ng	# 1
74) Di-n-butylphthalate	18.47	149	150073	8.016	ng	99
84) Bis(2-ethylhexyl)phthalate	21.66	149	60276	5.250	ng	92

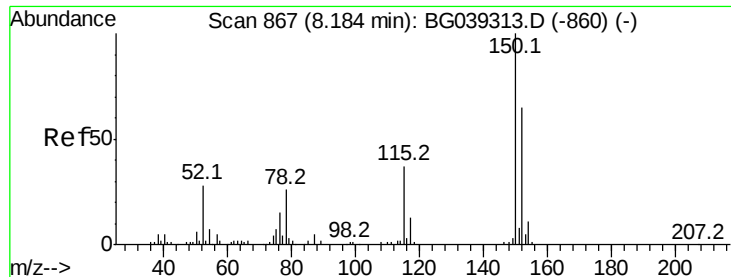
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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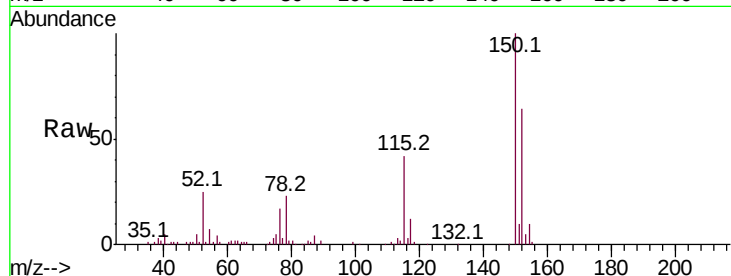


#1

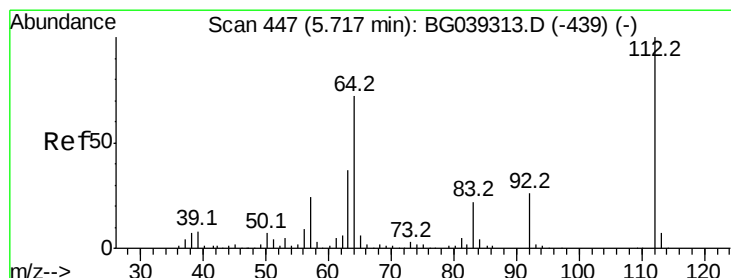
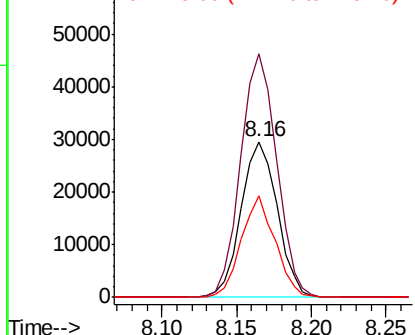
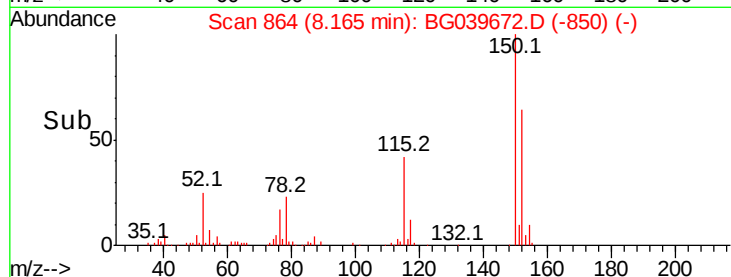
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 49823
Ion Ratio Lower Upper
152 100
150 156.1 123.7 185.5
115 65.4 45.9 68.9



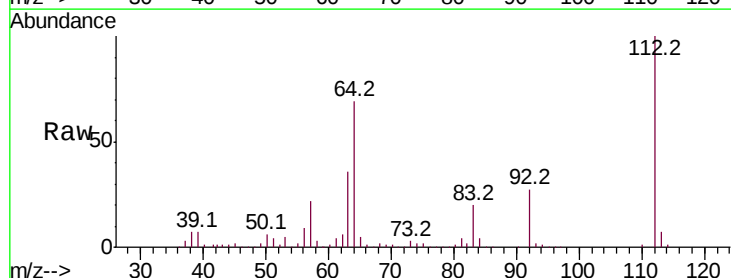
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



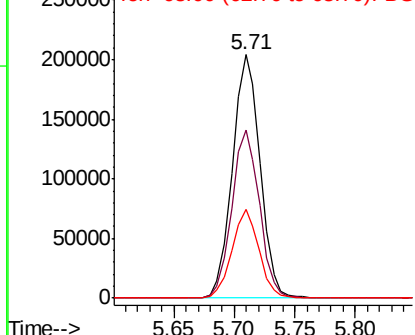
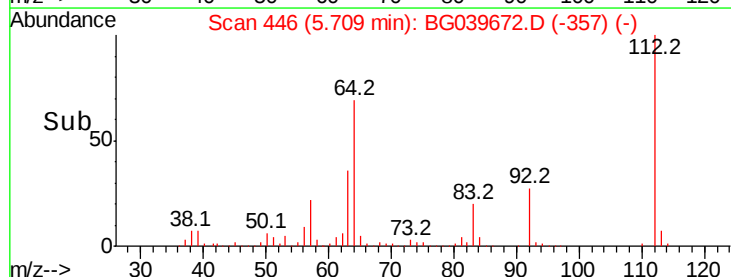
#5

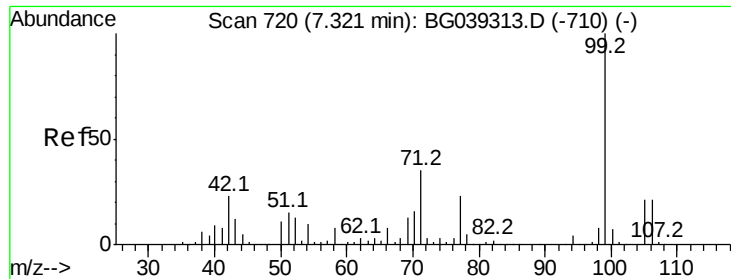
2-Fluorophenol
Concen: 111.643 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

Tgt Ion:112 Resp: 325000
Ion Ratio Lower Upper
112 100
64 68.9 57.8 86.8
63 36.4 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: 112.318 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampleId :

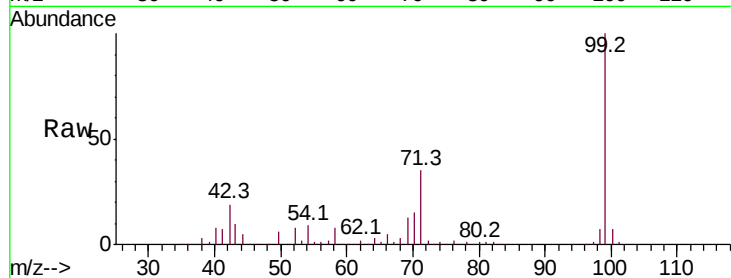
Tot Ion: 99 Resp: 481284

Ion Ratio Lower Upper

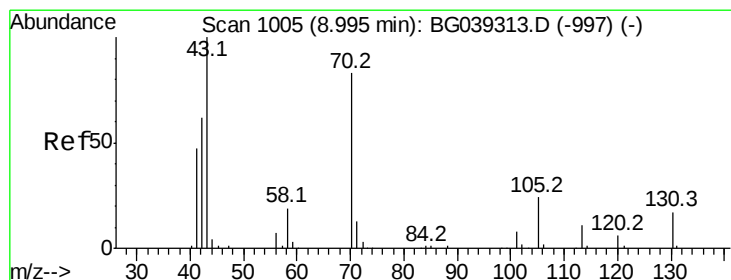
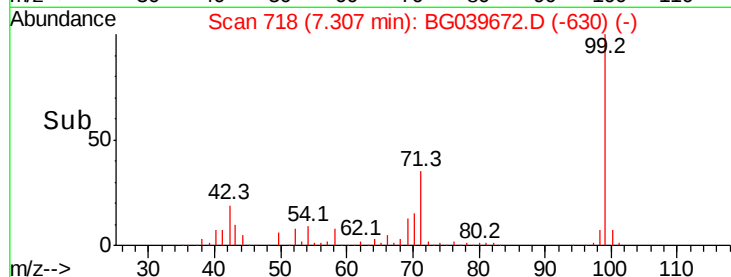
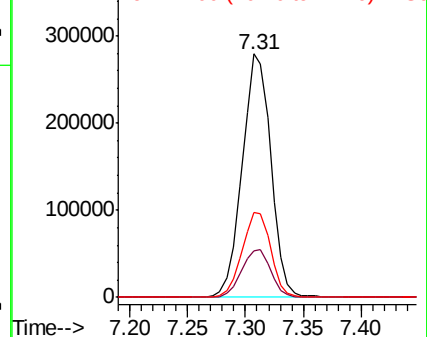
99 100

42 19.3 18.2 27.2

71 35.0 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: 12.088 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.34 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Tgt Ion: 70 Resp: 36763

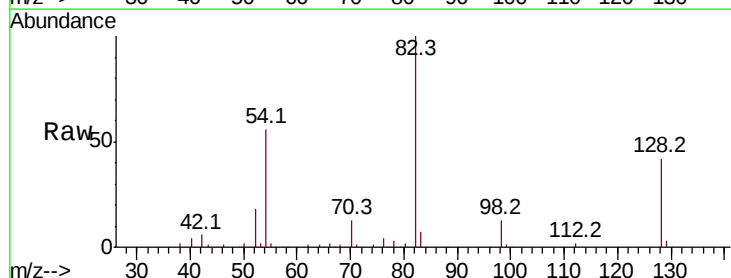
Ion Ratio Lower Upper

70 100

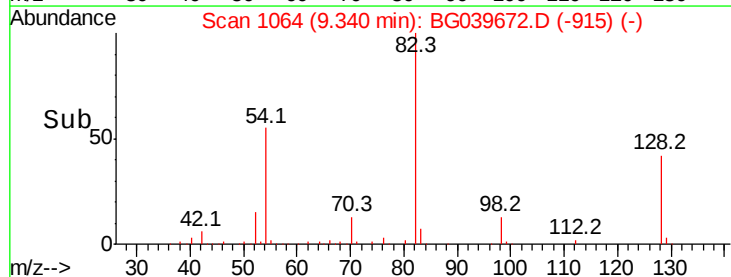
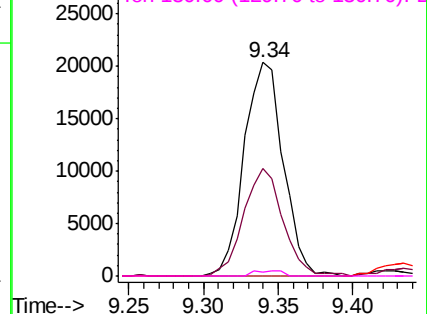
42 50.5 60.4 90.6#

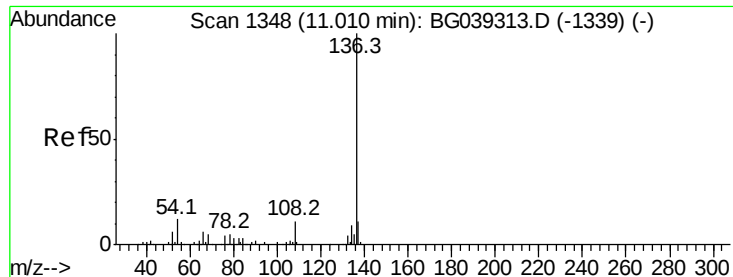
101 0.0 7.5 11.3#

130 1.8 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

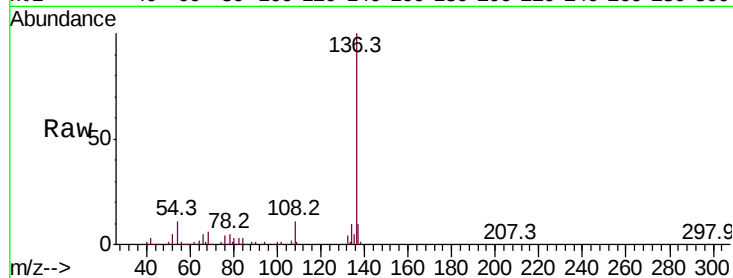




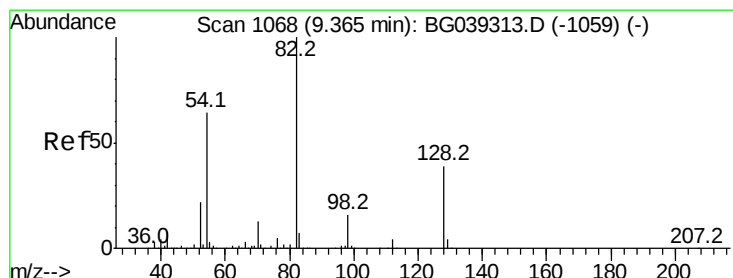
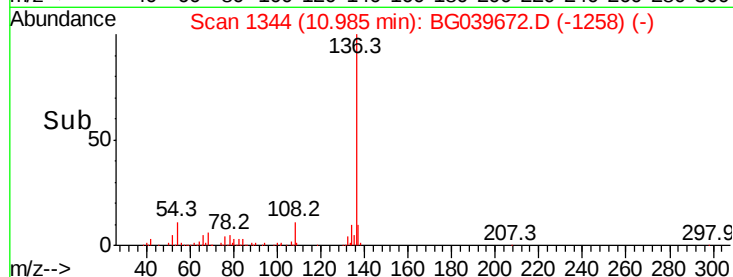
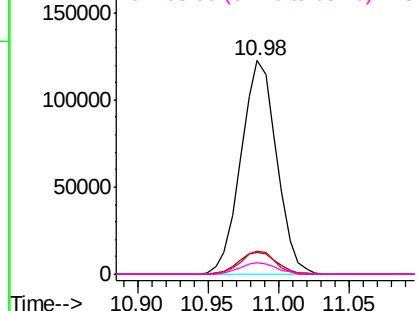
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	216376	
Ion Ratio	Lower	Upper	
136 100			
137 10.3	9.1	13.7	
54 10.7	9.4	14.2	
68 5.6	4.2	6.4	

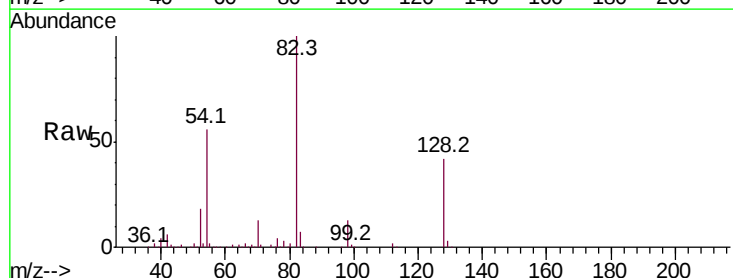


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

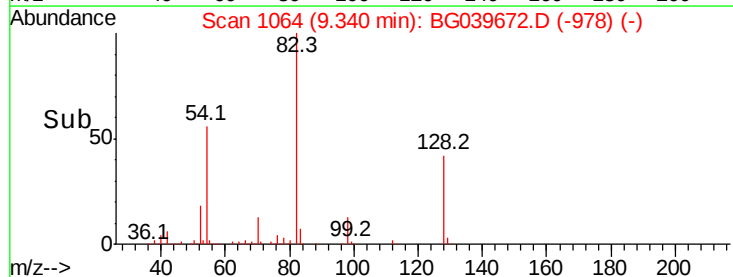
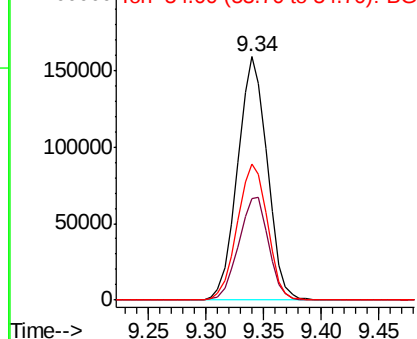


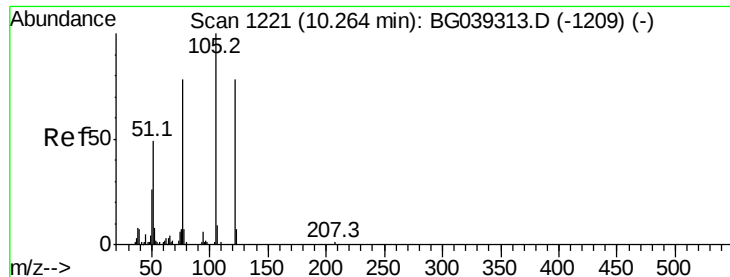
#23
Nitrobenzene-d5
Concen: 81.498 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

Tgt Ion	82	Resp: Lower	282274 Upper
	Ratio 100		
128	41.8	31.3	46.9
54	55.9	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





#32

Benzoic acid

Concen: 9.082 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampleId :

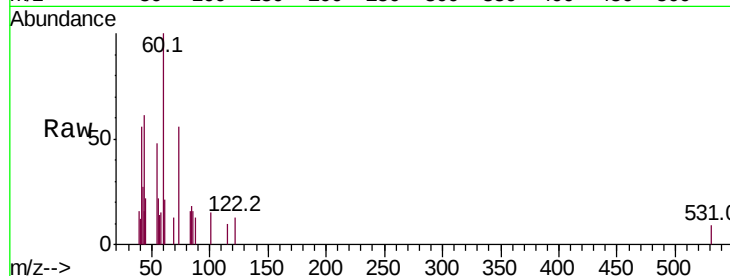
Tot Ion:122 Resp: 152

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

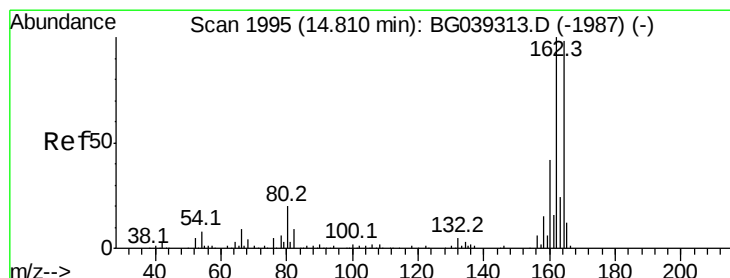
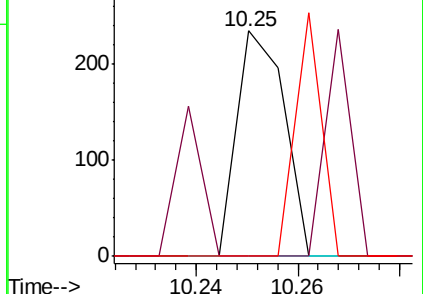
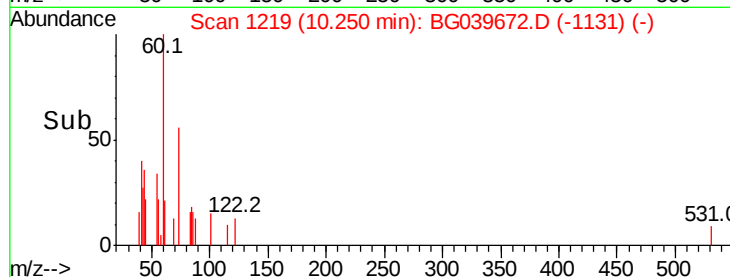
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

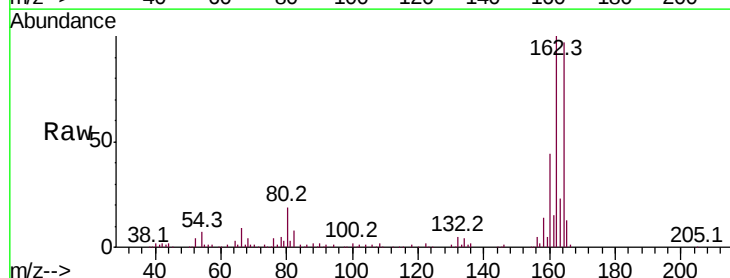
Tgt Ion:164 Resp: 141296

Ion Ratio Lower Upper

164 100

162 102.7 81.6 122.4

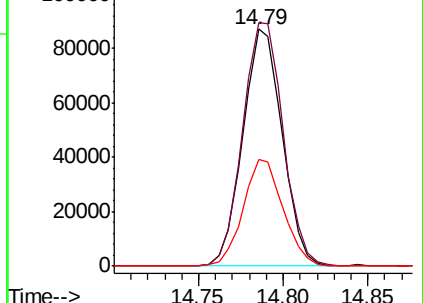
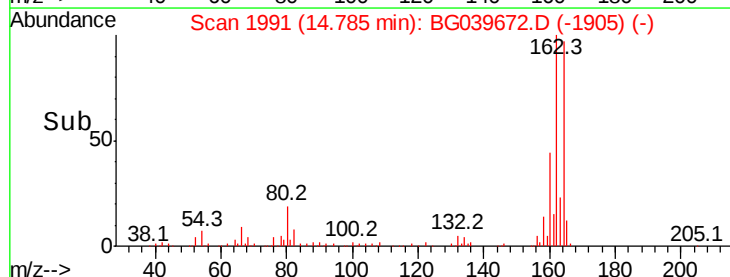
160 44.8 34.2 51.2

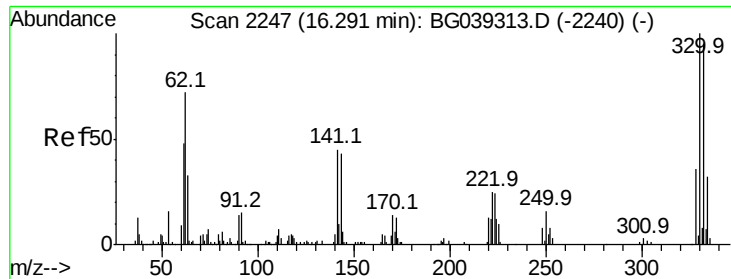


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

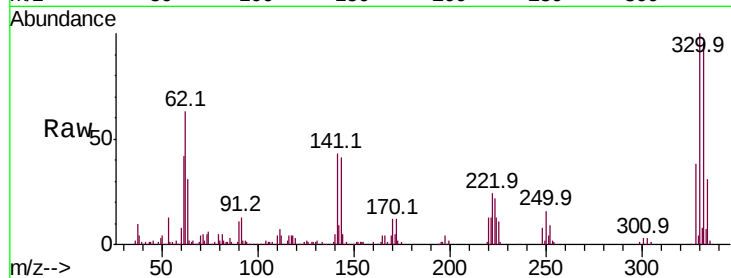




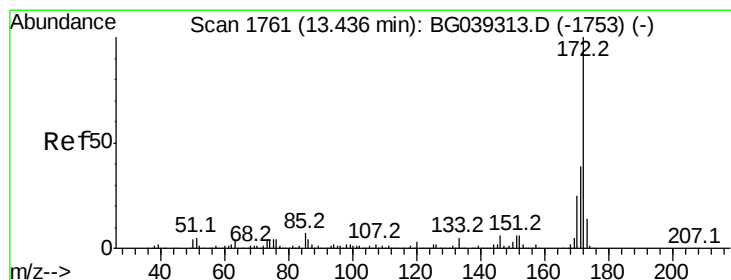
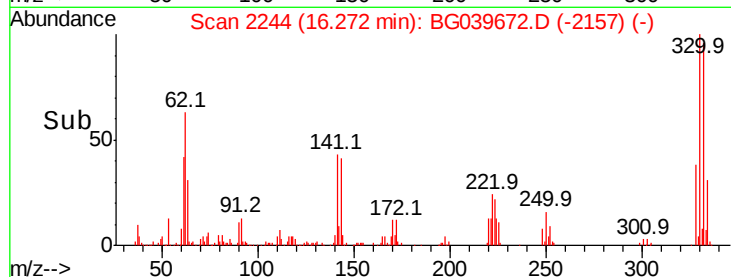
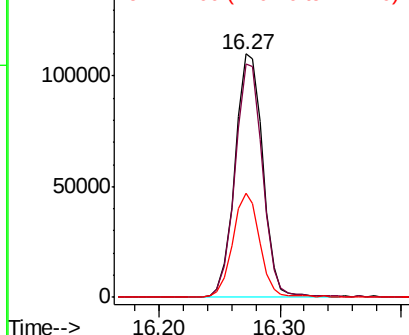
#42
 2,4,6-Tribromophenol
 Concen: 116.202 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.02 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 176803
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.7 113.5
 141 41.5 35.6 53.4

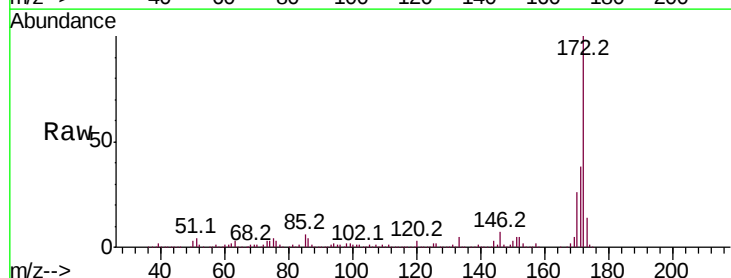


Abundance Ion 329.80 (329.50 to 330.50): E
 150000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

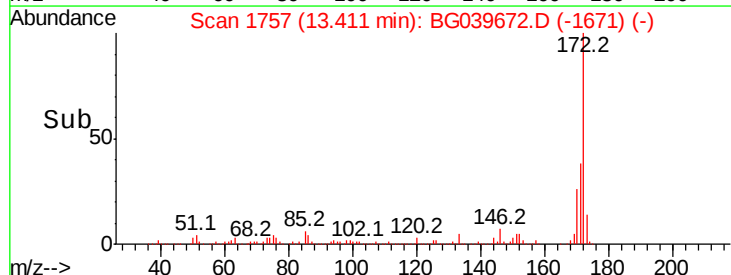
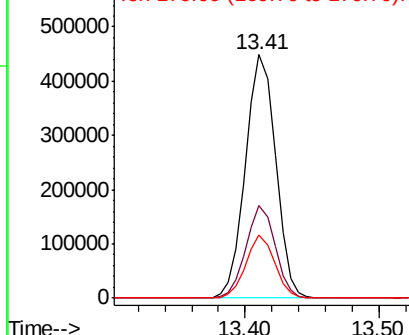


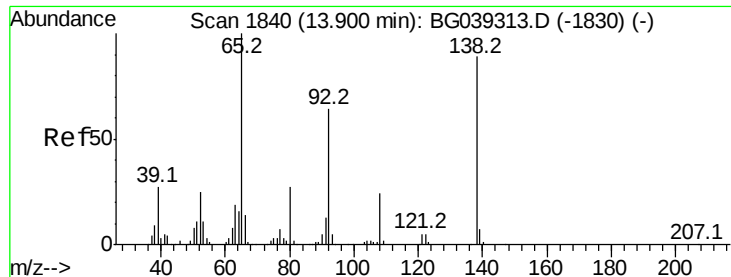
#45
 2-Fluorobiphenyl
 Concen: 71.201 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.03 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

Tgt Ion:172 Resp: 701293
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.9 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 600000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.321 ng

RT: 13.66 min Scan# 1799

Delta R.T. -0.24 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampleId :

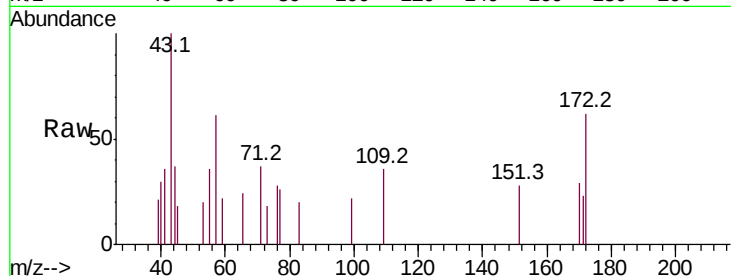
Tot Ion: 65 Resp: 75

Ion Ratio Lower Upper

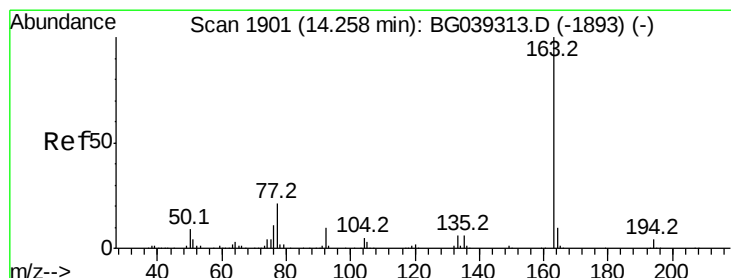
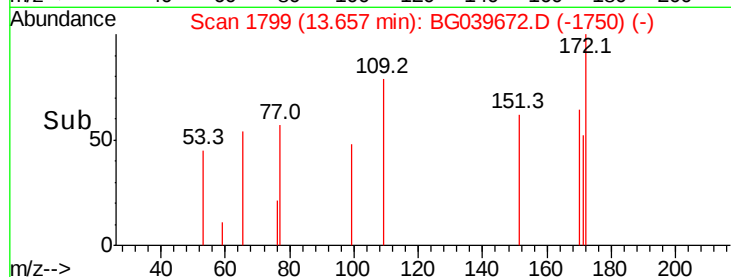
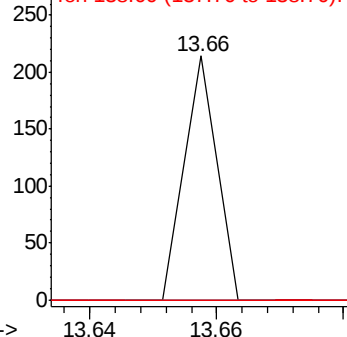
65 100

92 0.0 51.4 77.2#

138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 2.705 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

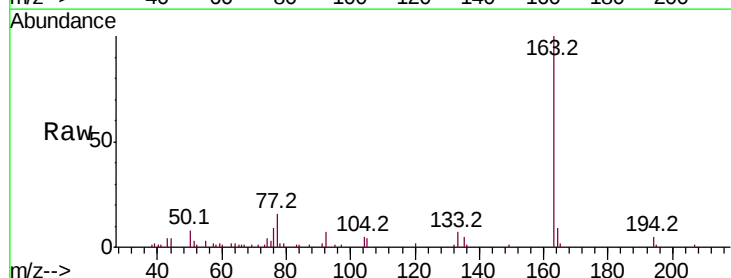
Tgt Ion:163 Resp: 30863

Ion Ratio Lower Upper

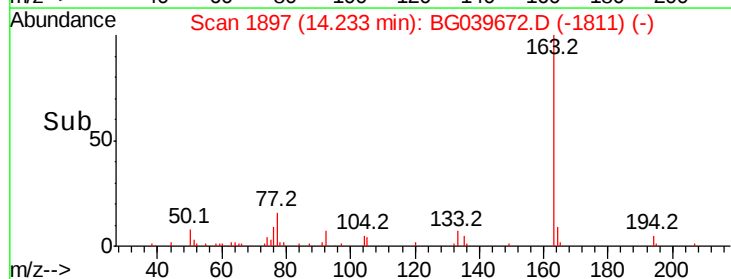
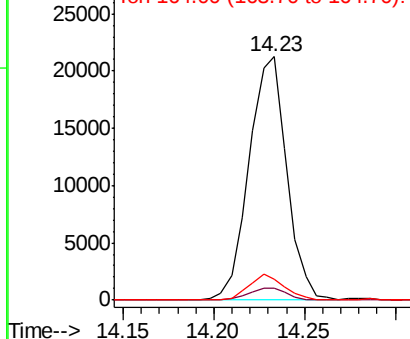
163 100

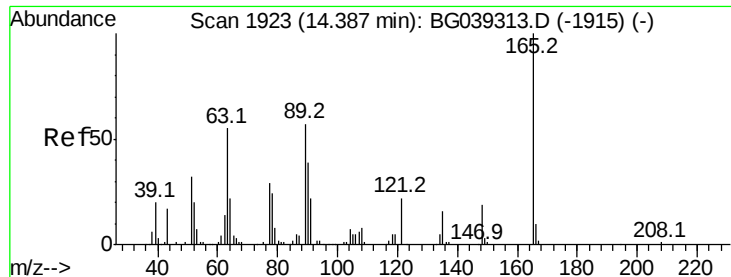
194 5.1 3.6 5.4

164 8.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC





#51

2,6-Dinitrotoluene

Concen: 7.116 ng

RT: 14.29 min Scan# 1906

Delta R.T. -0.10 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampleId :

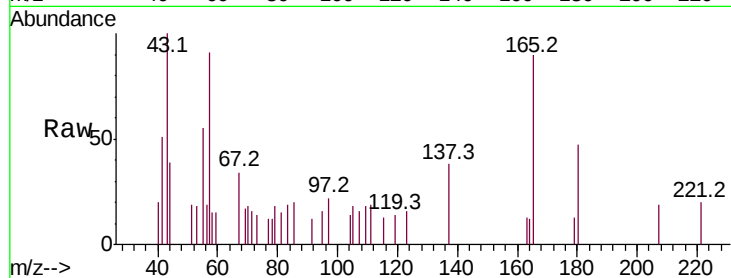
Tot Ion:165 Resp: 1376

Ion Ratio Lower Upper

165 100

63 0.0 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): BG

Ion 89.00 (88.70 to 89.70): BG

14.29

1000

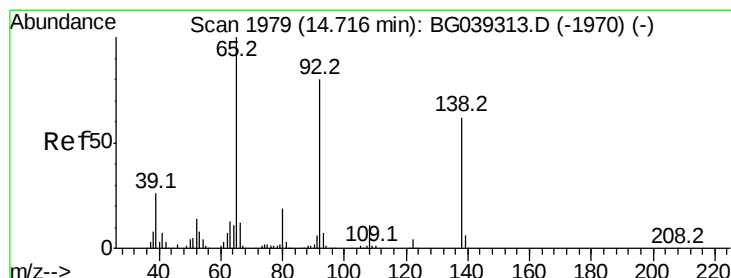
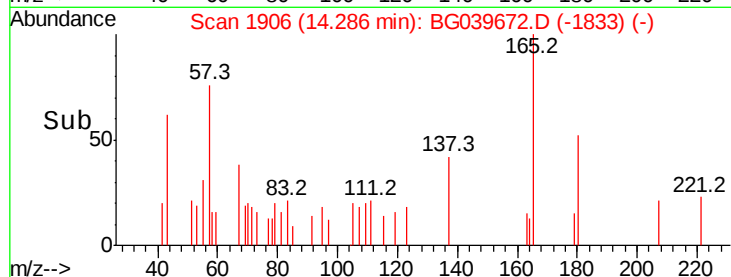
500

0

14.25

14.30

Time-->



#53

3-Nitroaniline

Concen: 5.943 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.03 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

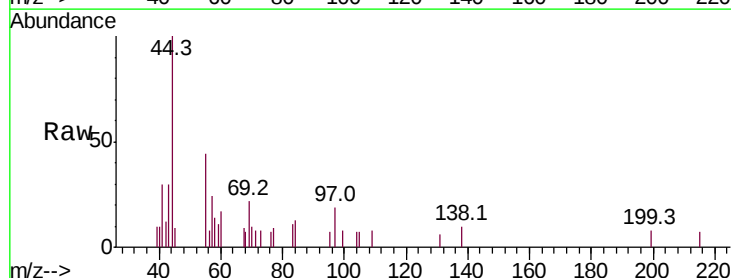
Tgt Ion:138 Resp: 392

Ion Ratio Lower Upper

138 100

108 0.0 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): BG

2000

1500

1000

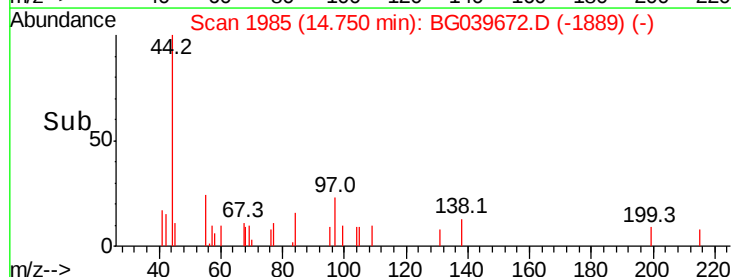
500

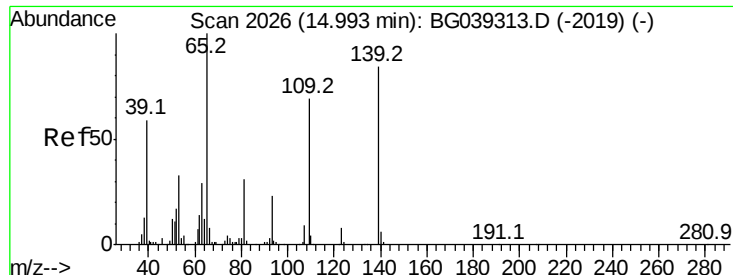
0

14.75

14.80

Time-->





#56

4-Nitrophenol

Concen: 5.830 ng

RT: 14.89 min Scan# 2008

Delta R.T. -0.11 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampled :

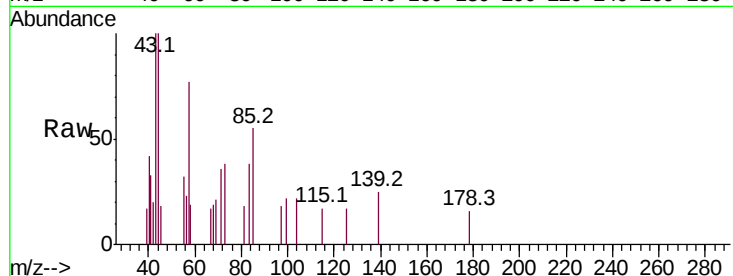
Tot Ion:139 Resp: 80

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

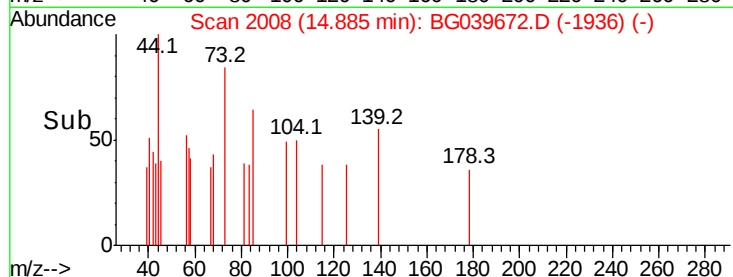
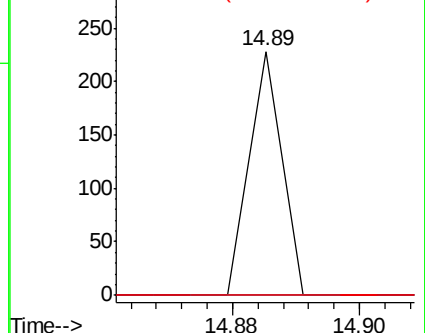
65 0.0 99.1 139.1#



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): BGC



#57

2,4-Dinitrotoluene

Concen: 13.371 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.38 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Tgt Ion:165 Resp: 18102

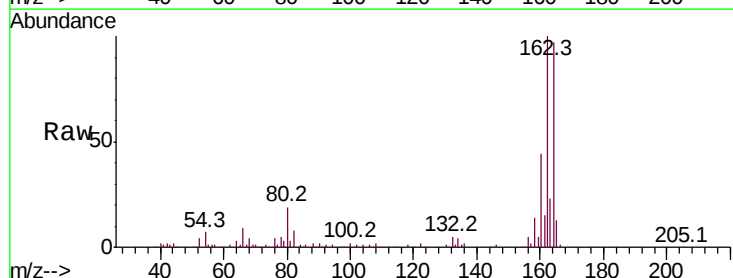
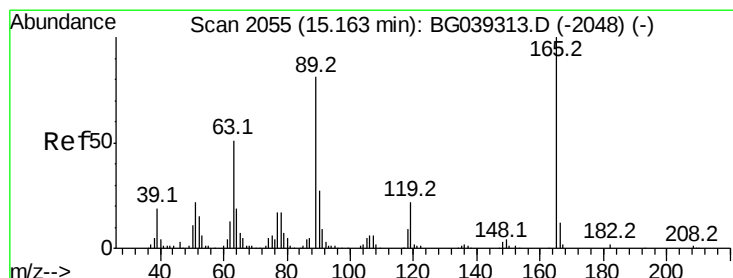
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.4 64.6 96.8#

182 0.0 2.0 3.0#

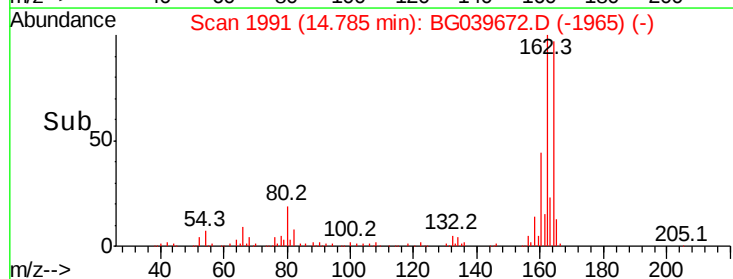
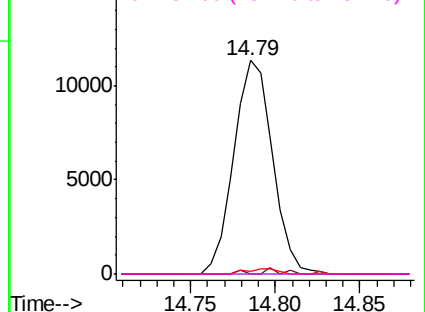


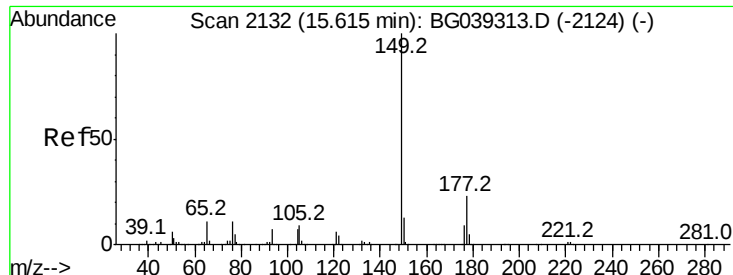
Abundance Ion 165.00 (164.70 to 165.70): E

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

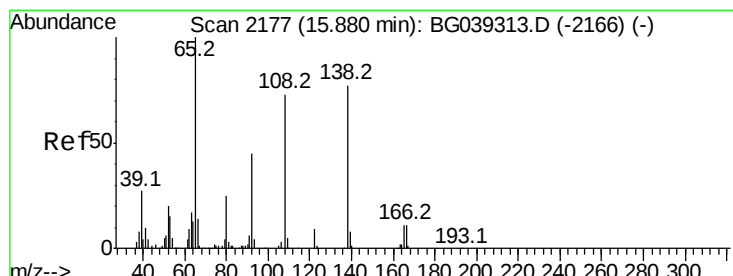
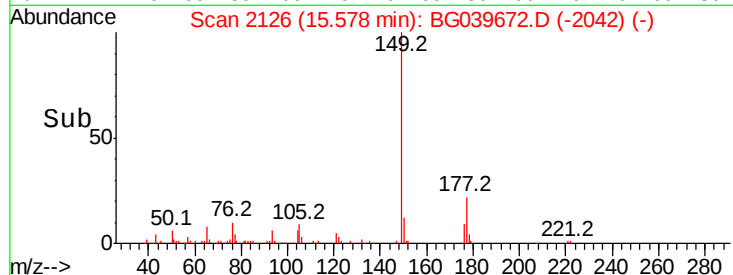
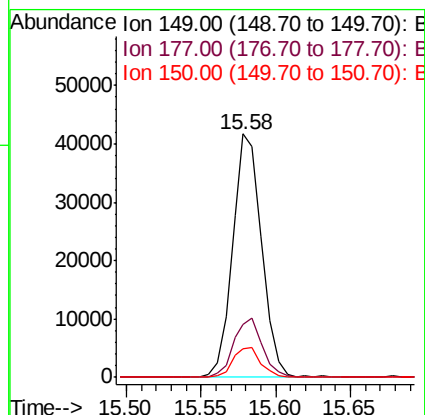
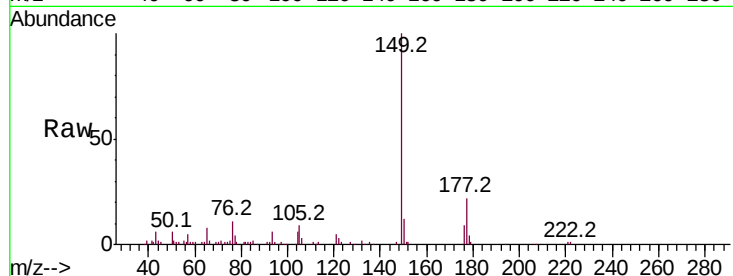




#60
Diethylphthalate
Concen: 4.784 ng
RT: 15.58 min Scan# 2126
Delta R.T. -0.04 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

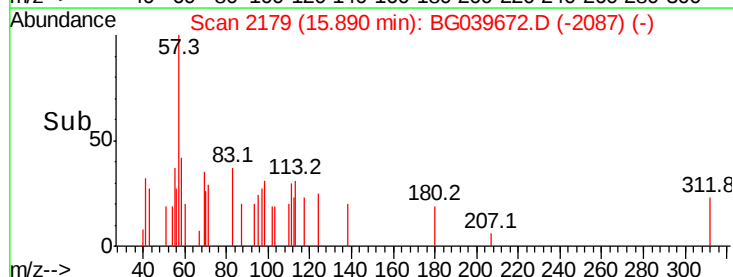
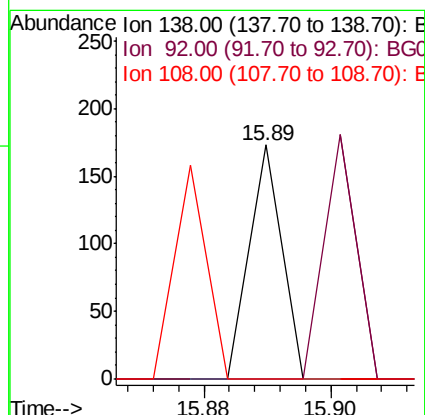
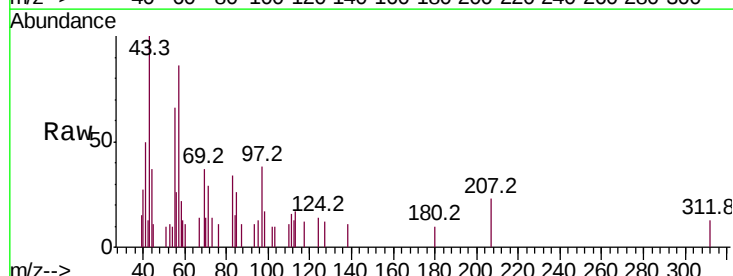
Instrument :
BNA_G
ClientSampled :

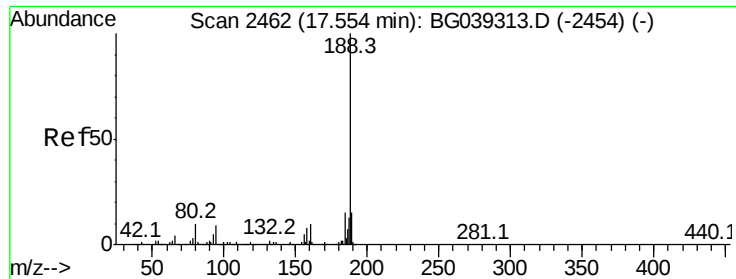
Tot Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.3	27.5
150	11.9	10.2	15.2



#62
4-Nitroaniline
Concen: 4.226 ng
RT: 15.89 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BG039672.D
Acq: 28 Feb 2019 22:53

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.03 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Instrument :

BNA_G

ClientSampleId :

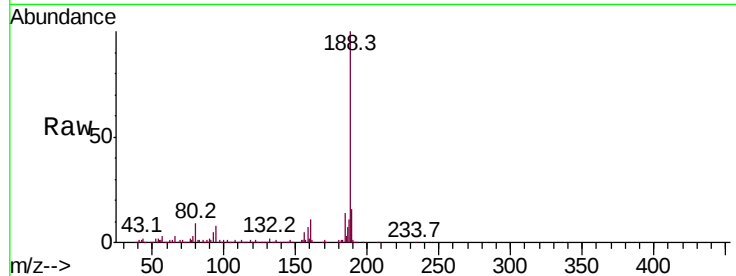
Tot Ion:188 Resp: 315427

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

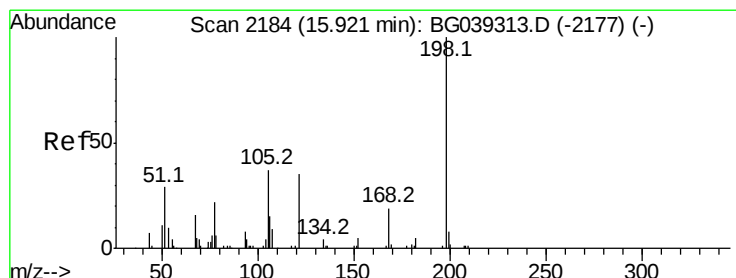
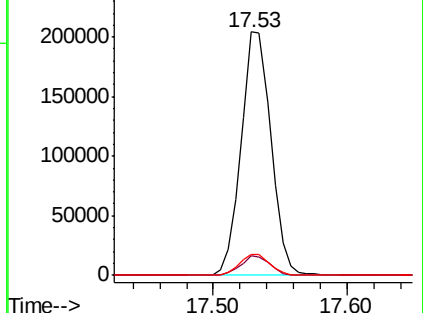
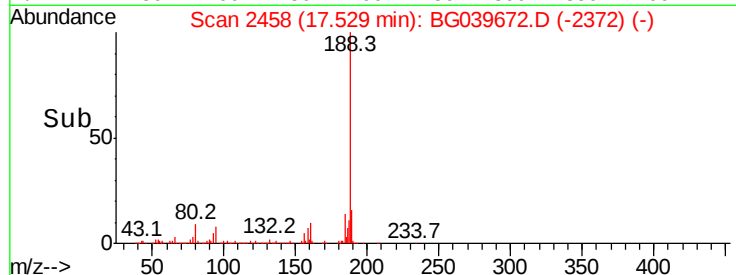
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.763 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

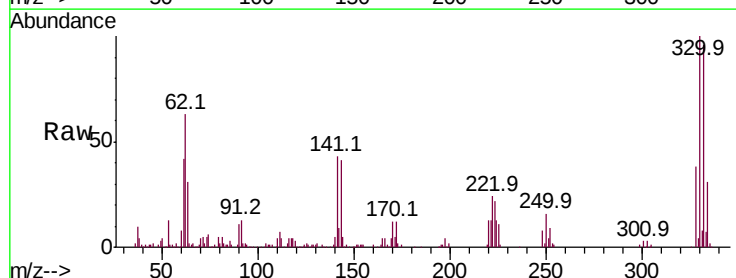
Tgt Ion:198 Resp: 579

Ion Ratio Lower Upper

198 100

51 100.6 27.4 67.4#

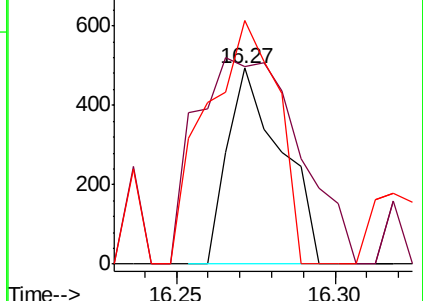
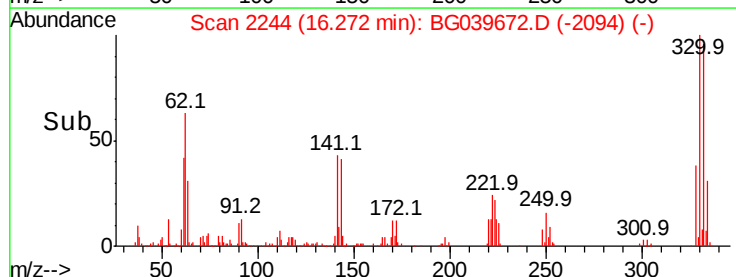
105 124.3 19.7 59.7#

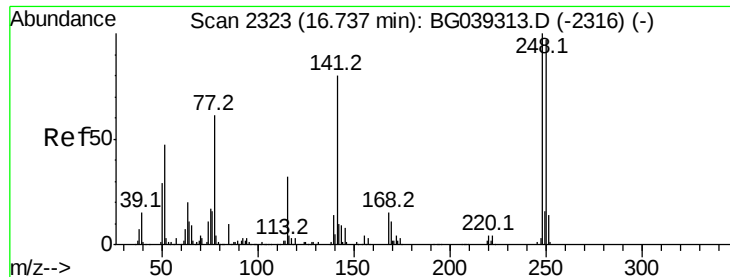


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

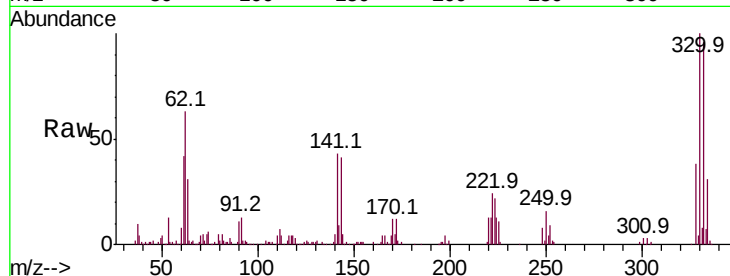




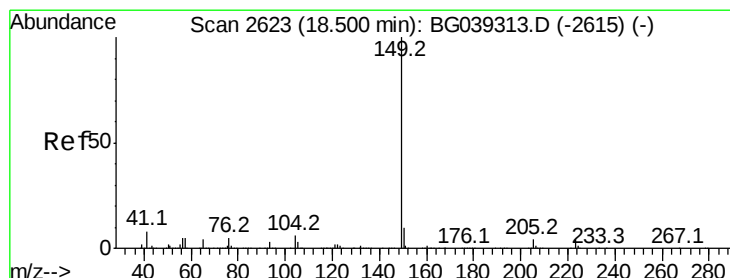
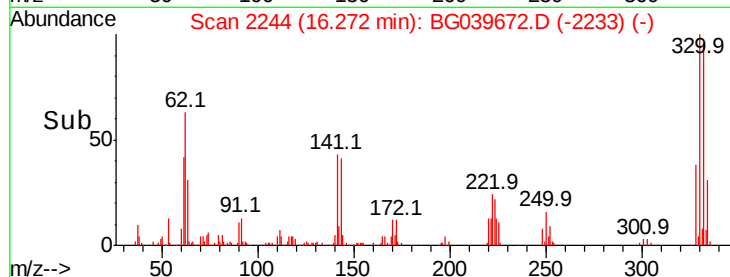
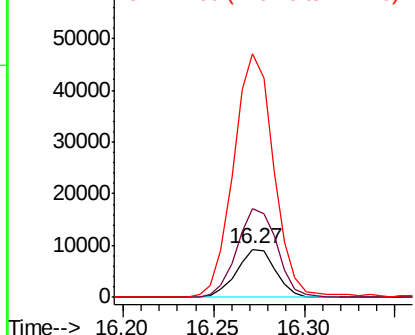
#67
 4-Bromophenyl-phenylether
 Concen: 4.000 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.47 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13998
 Ion Ratio Lower Upper
 248 100
 250 185.8 77.6 116.4#
 141 509.6 63.9 95.9#

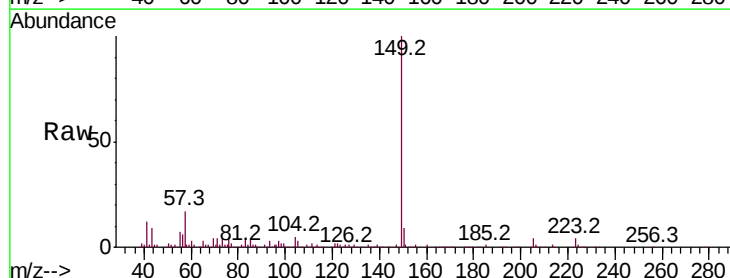


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

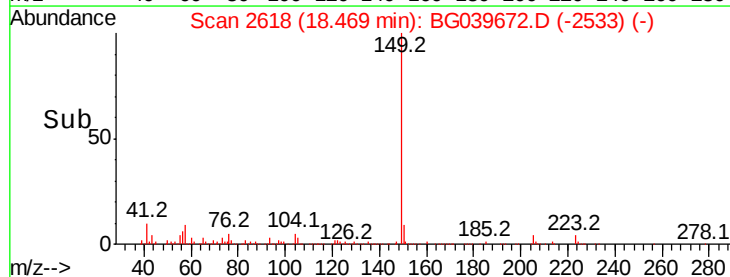
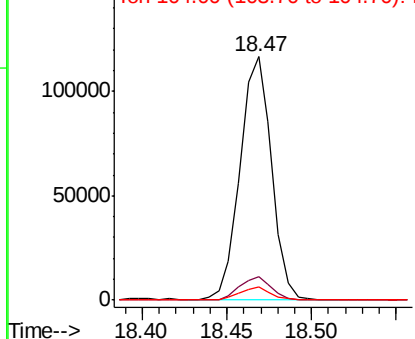


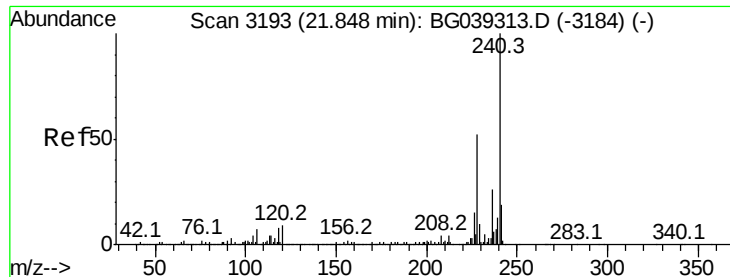
#74
 Di-n-butylphthalate
 Concen: 8.016 ng
 RT: 18.47 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

Tgt Ion:149 Resp: 150073
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.7 11.5
 104 5.4 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

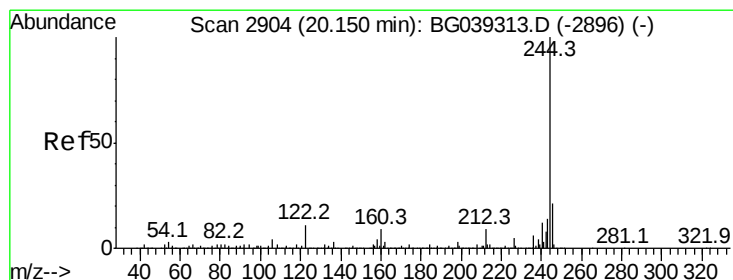
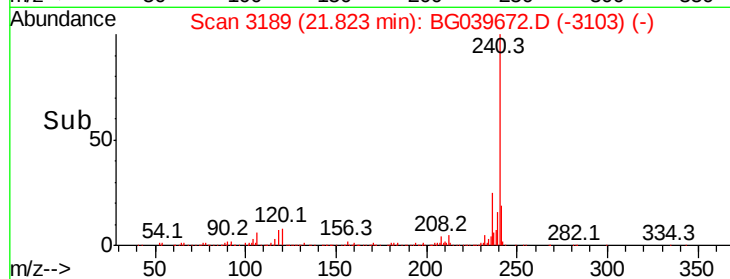
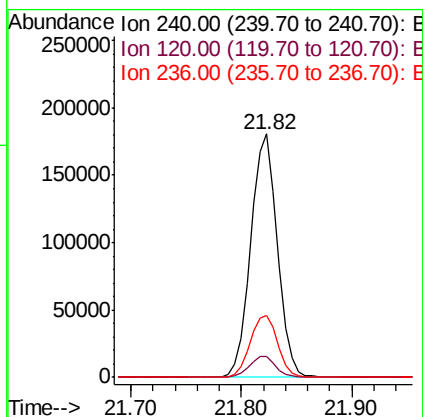
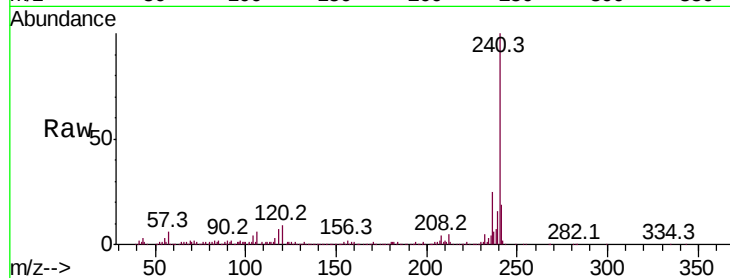




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

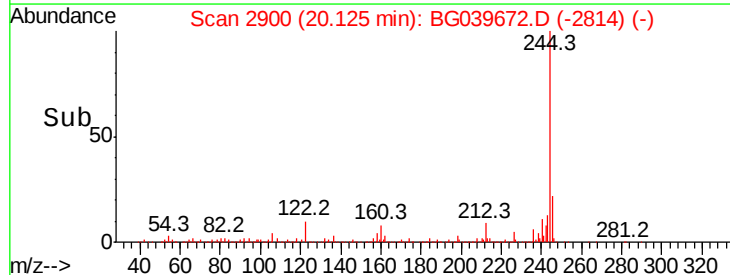
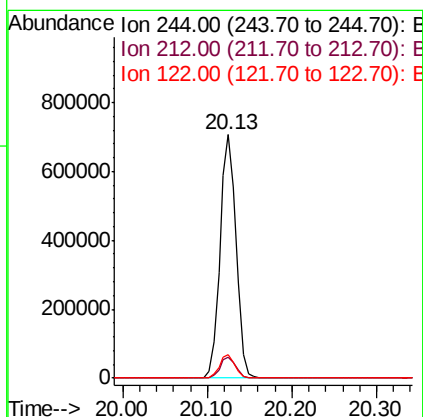
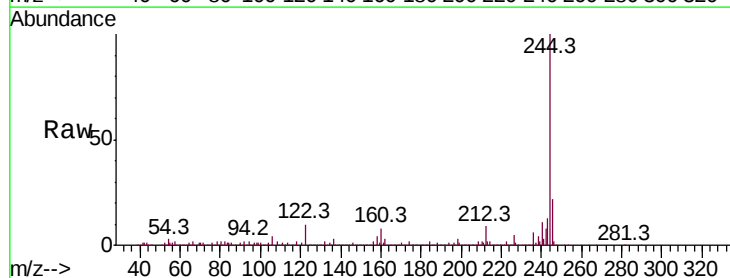
Instrument :
 BNA_G
 ClientSampled :

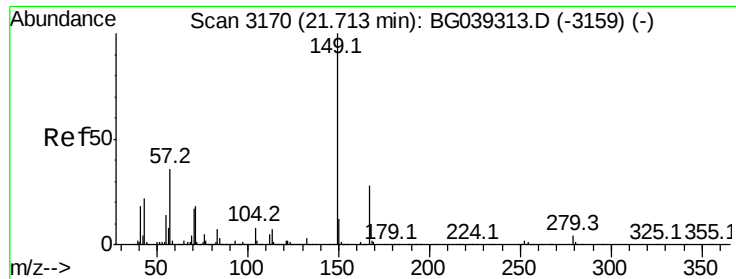
Tot Ion:240 Resp: 306442
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.3 21.0 31.4



#79
 Terphenyl-d14
 Concen: 64.547 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039672.D
 Acq: 28 Feb 2019 22:53

Tgt Ion:244 Resp: 934475
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.3 10.9
 122 9.9 8.4 12.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.250 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.05 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

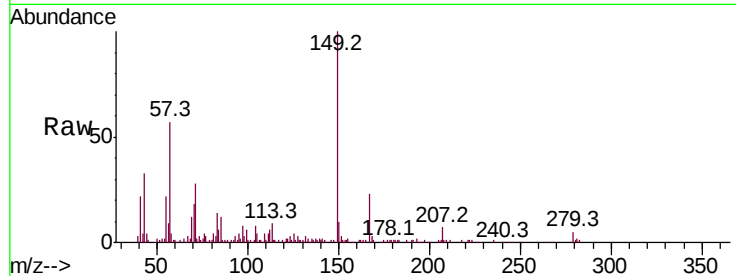
Instrument :

BNA_G

ClientSampleId :

Tot Ion:149 Resp: 60276

Ion	Ratio	Lower	Upper
149	100		
167	23.3	22.6	34.0
279	4.7	3.5	5.3

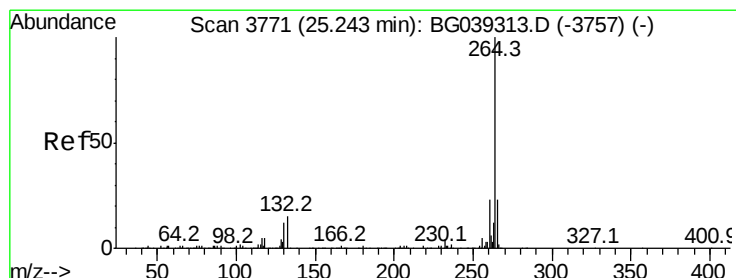
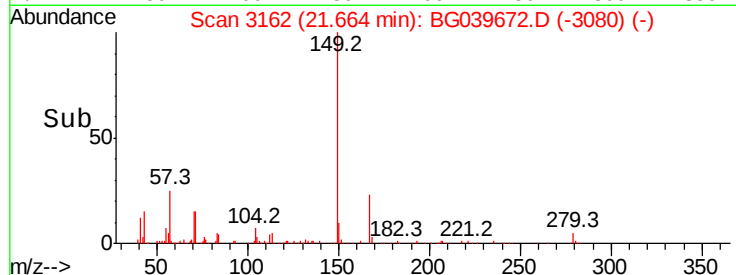
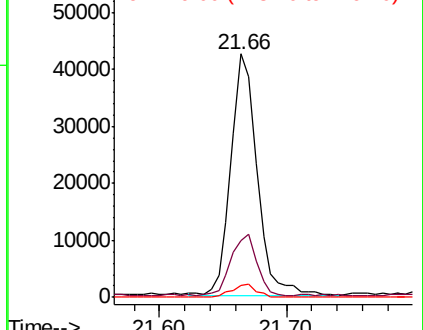


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3764

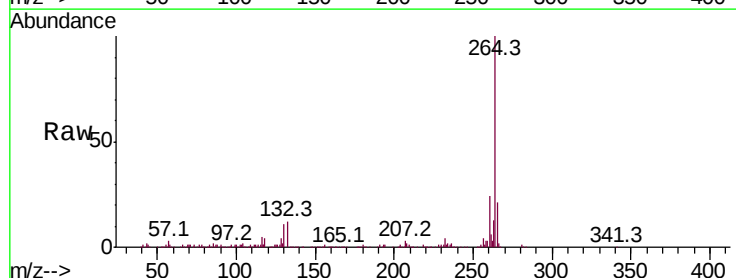
Delta R.T. -0.04 min

Lab File: BG039672.D

Acq: 28 Feb 2019 22:53

Tgt Ion:264 Resp: 323210

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	20.7	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

