

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
 Data File : BG041182.D
 Acq On : 11 Jun 2019 10:22
 Operator : HP/JU
 Sample : PB120476BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:51:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

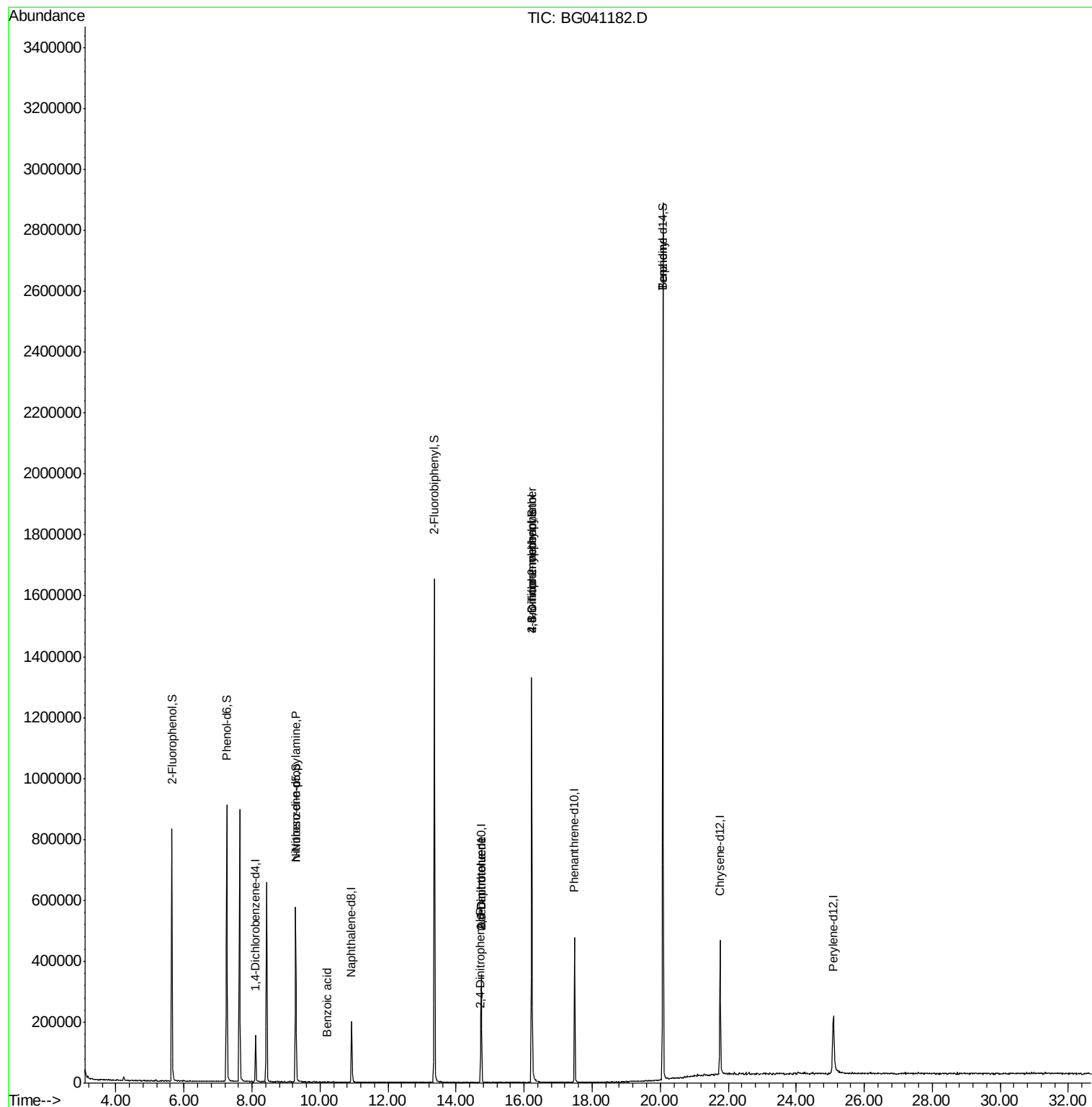
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	40355	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	171878	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	128561	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	306296	20.00	ng	0.00
76) Chrysene-d12	21.76	240	298724	20.00	ng	0.00
87) Perylene-d12	25.09	264	285930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	331720	148.22	ng	0.00
7) Phenol-d6	7.26	99	509130	147.31	ng	0.01
23) Nitrobenzene-d5	9.29	82	353992	91.43	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	268102	140.47	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	883387	98.95	ng	0.00
79) Terphenyl-d14	20.08	244	1453419	103.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	49872	18.750	ng	# 79
32) Benzoic acid	10.22	122	57	8.153	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	16670	7.104	ng	# 18
54) 2,4-Dinitrophenol	14.72	184	54	8.306	ng	# 18
57) 2,4-Dinitrotoluene	14.73	165	16670	5.029	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	872	9.026	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	19773	4.784	ng	# 1
77) Benzidine	20.07	184	24810	3.482	ng	# 89

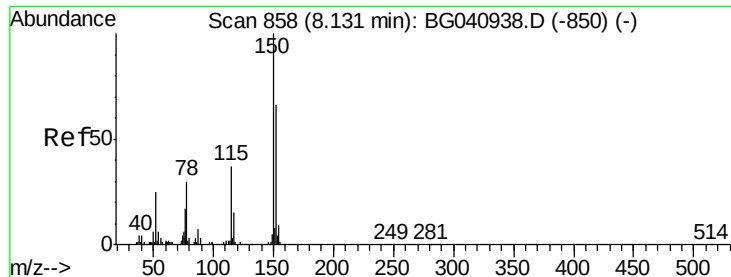
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
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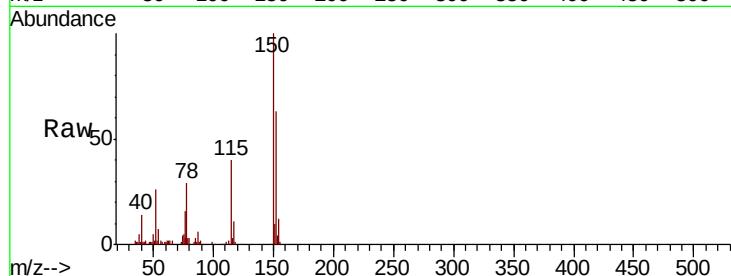


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	120.6	180.8
115	63.6	45.1	67.7

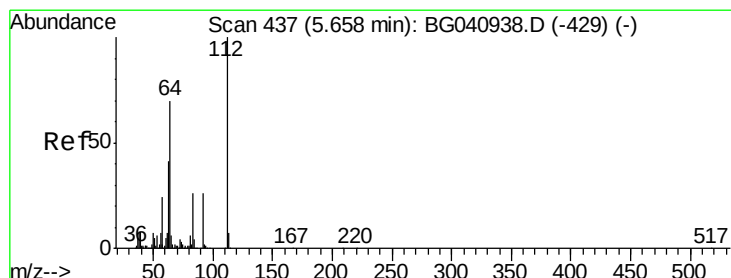
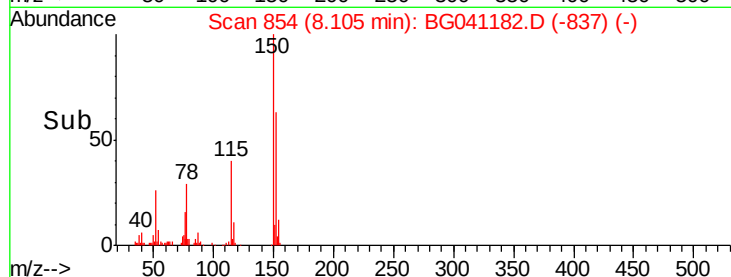
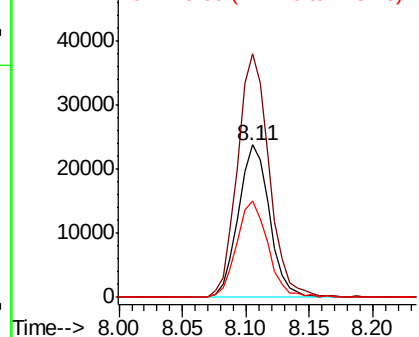


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

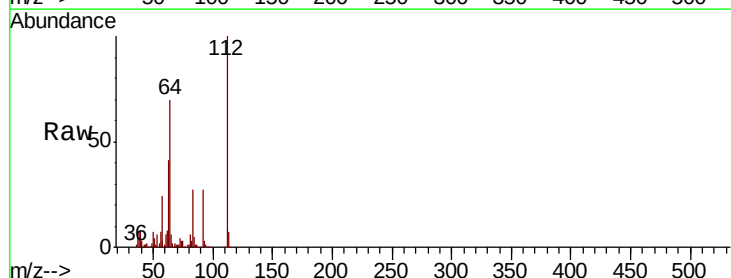
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 148.225 ng
RT: 5.64 min Scan# 435
Delta R.T. 0.01 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.2	84.2
63	40.7	32.8	49.2

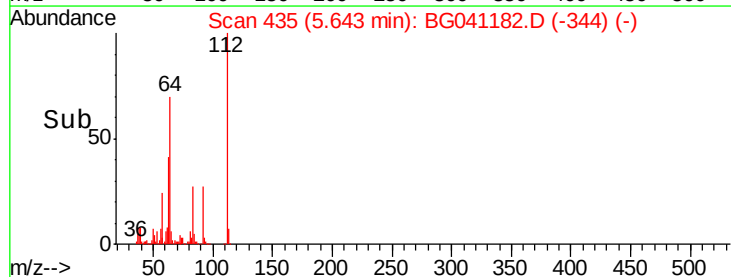
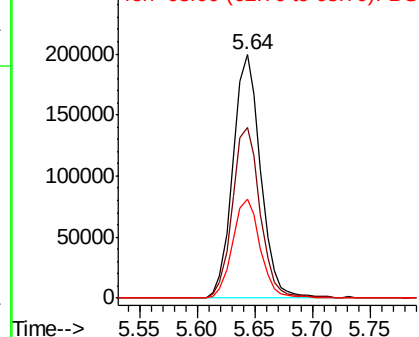


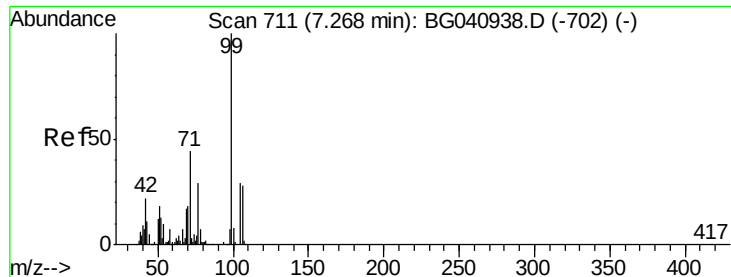
Abundance

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: 147.306 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampleId :

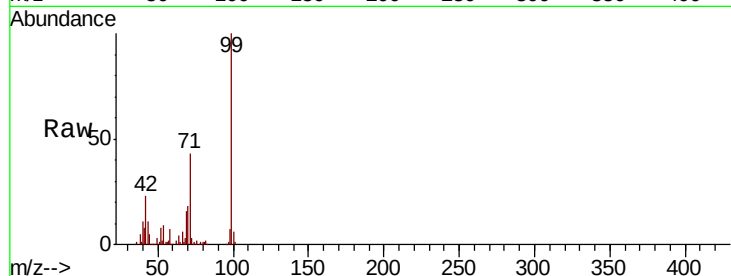
Tot Ion: 99 Resp: 509130

Ion Ratio Lower Upper

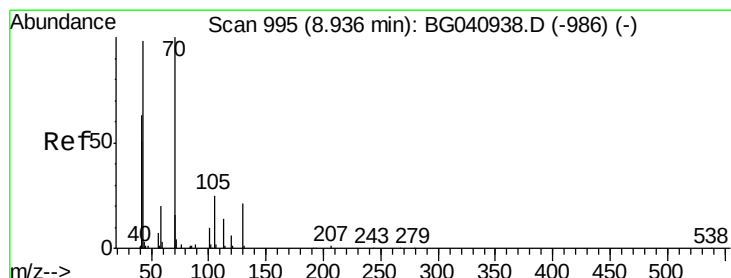
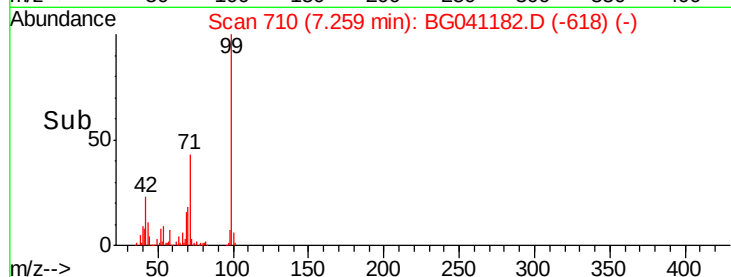
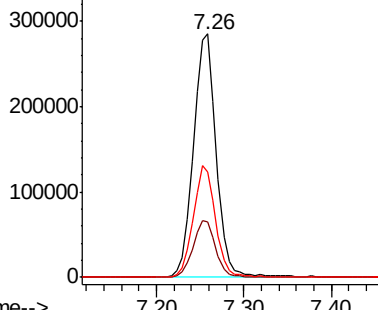
99 100

42 22.5 17.9 26.9

71 43.1 35.4 53.0



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: 18.750 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.38 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Tgt Ion: 70 Resp: 49872

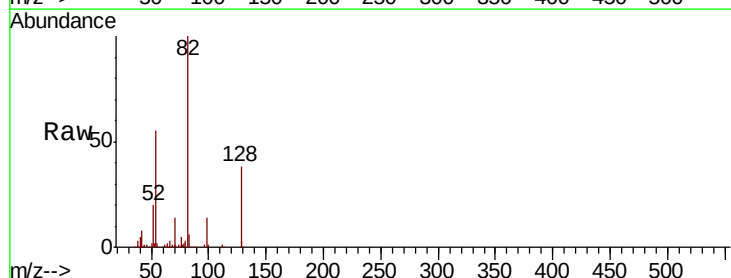
Ion Ratio Lower Upper

70 100

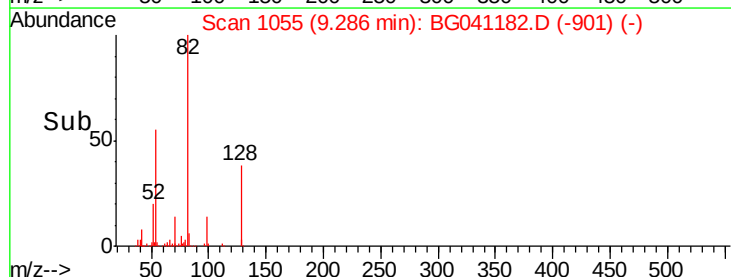
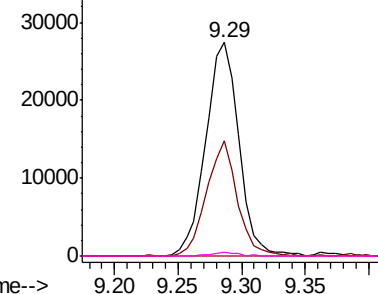
42 53.7 51.5 77.3

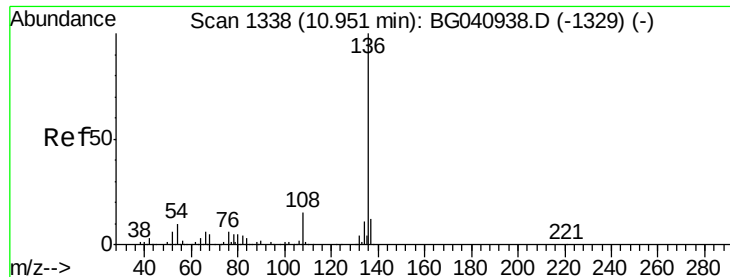
101 0.0 8.1 12.1#

130 1.7 16.6 24.8#



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

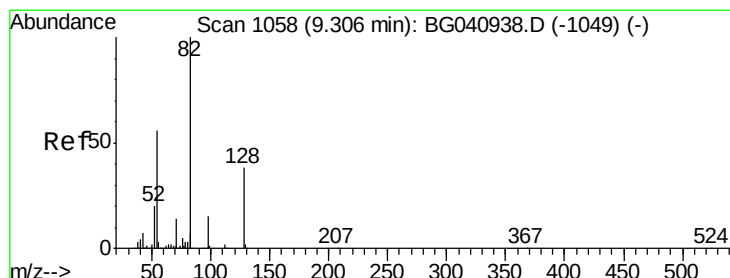
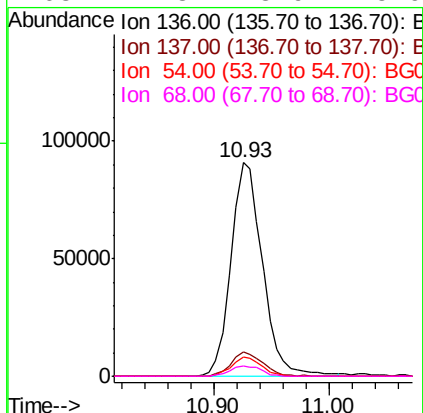
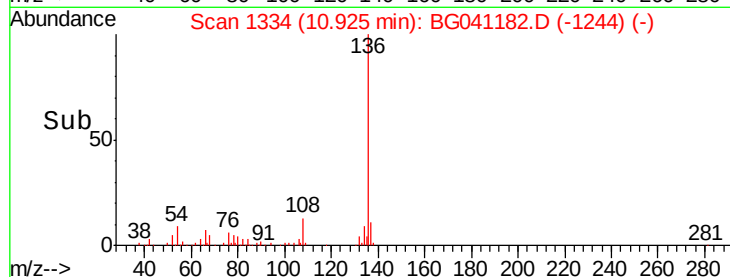
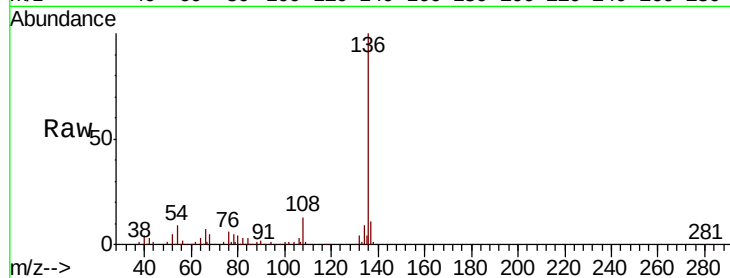




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

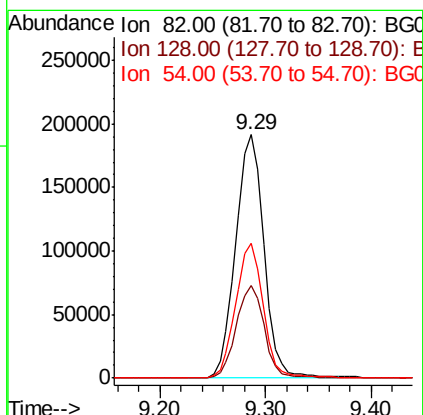
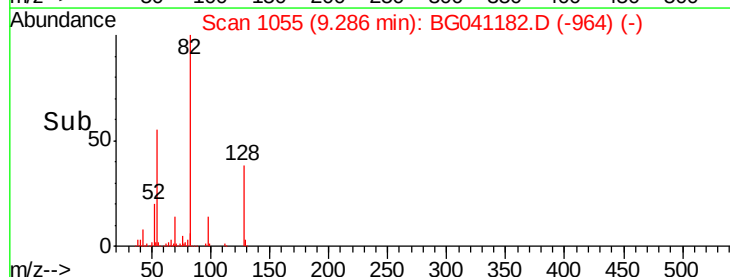
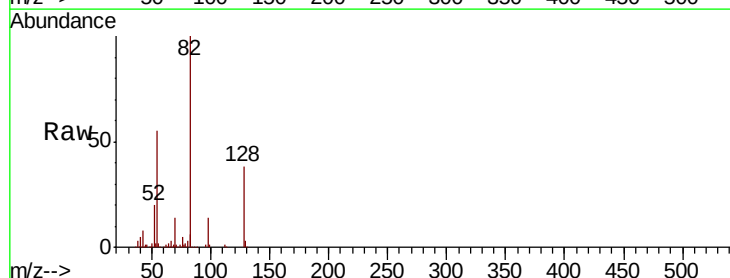
Instrument :
BNA_G
ClientSampleId :

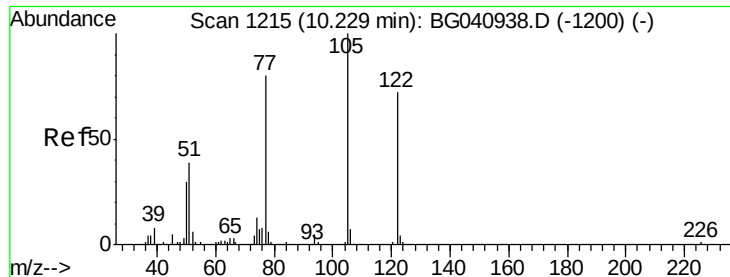
Tot Ion:136	Resp:	171878
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.5 14.3
54	9.3	7.6 11.4
68	4.8	3.9 5.9



#23
Nitrobenzene-d5
Concen: 91.431 ng
RT: 9.29 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

Tgt Ion: 82	Resp:	353992
Ion	Ratio	Lower Upper
82	100	
128	37.9	30.5 45.7
54	55.5	44.6 66.8

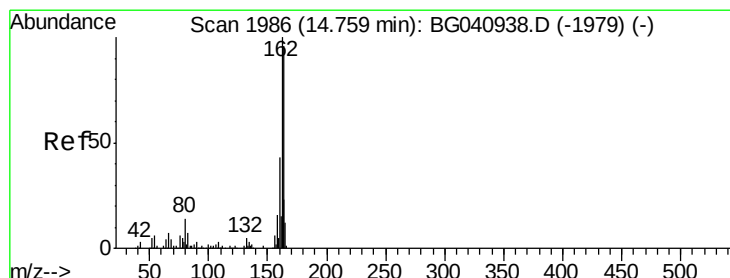
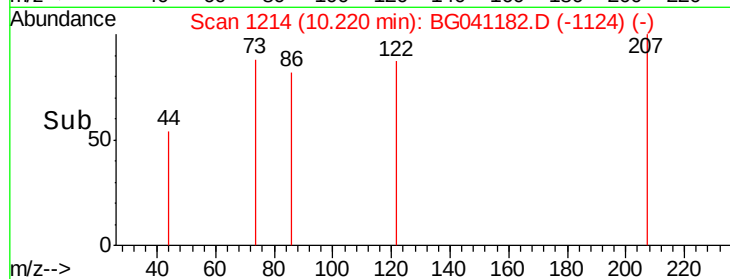
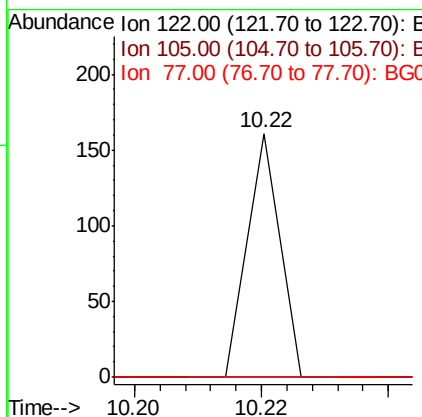
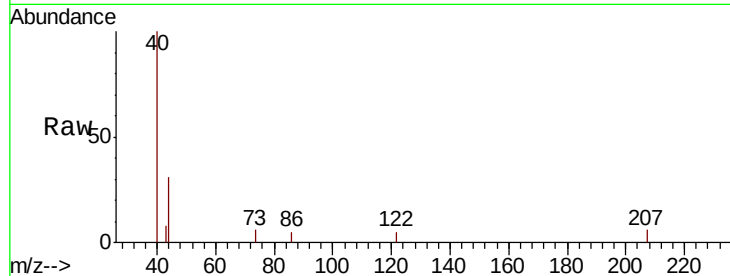




#32
Benzoic acid
Concen: 8.153 ng
RT: 10.22 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

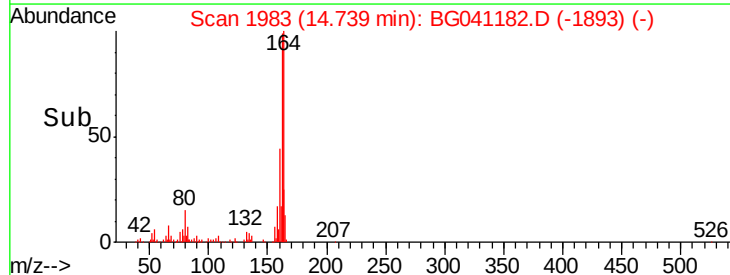
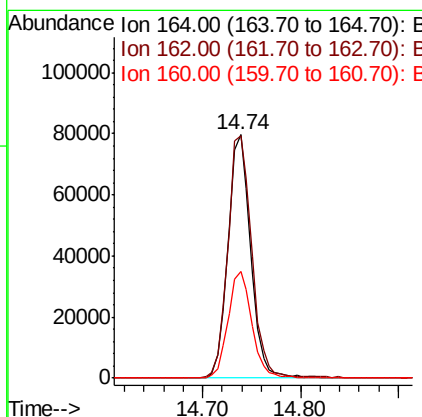
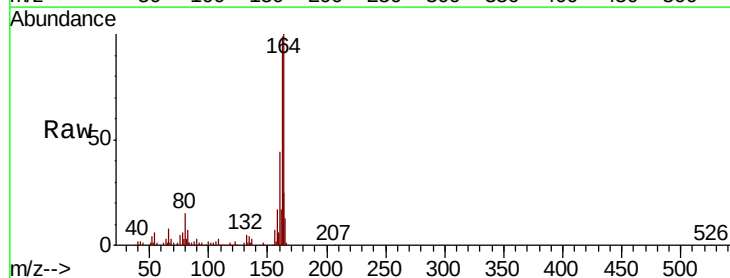
Instrument :
BNA_G
ClientSampleId :

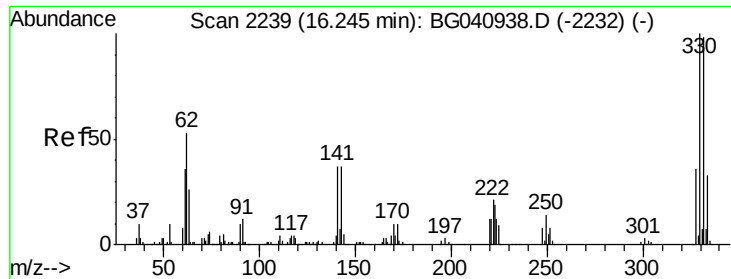
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG041182.D
Acq: 11 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	83.0	124.4
160	43.7	35.6	53.4

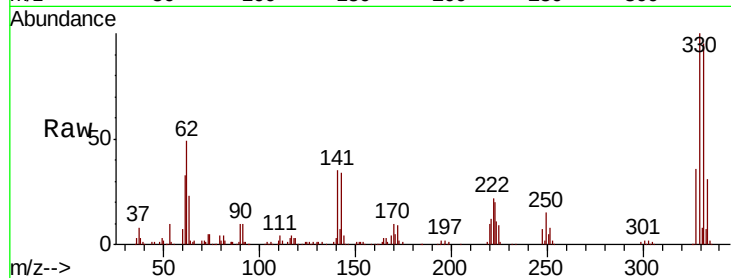




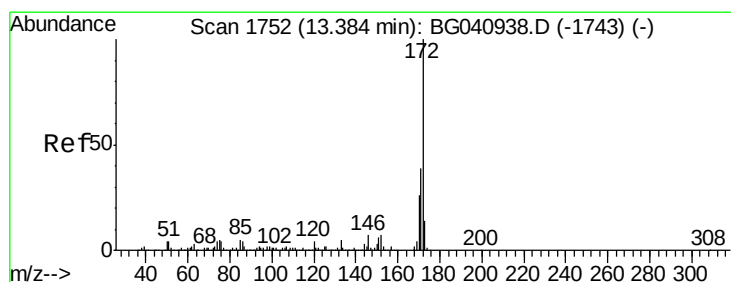
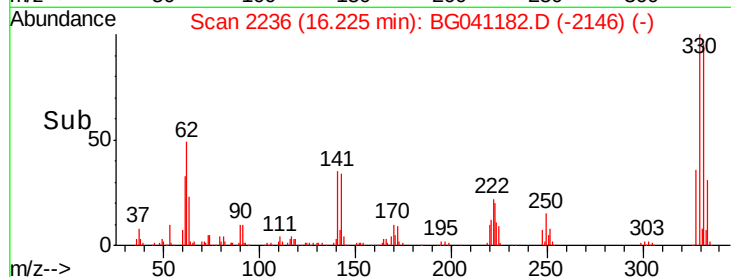
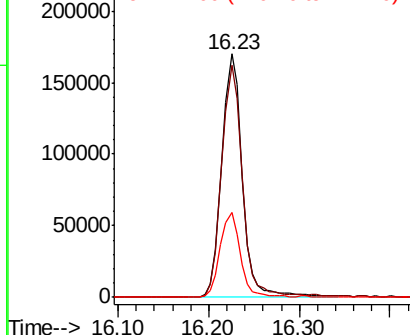
#42
 2,4,6-Tribromophenol
 Concen: 140.472 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG041182.D
 Acq: 11 Jun 2019 10:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 268102
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 34.1 28.7 43.1

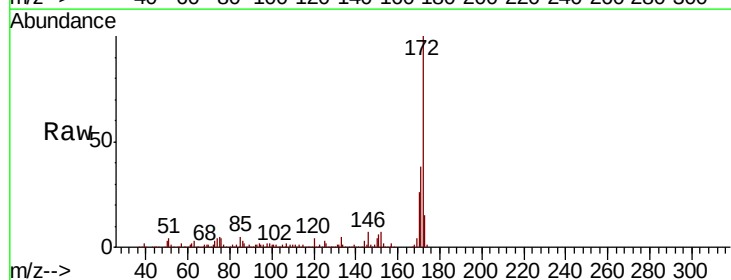


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

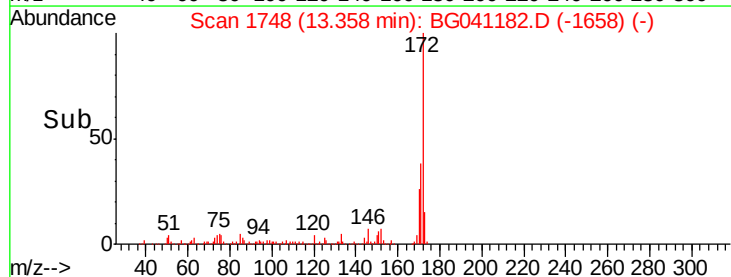
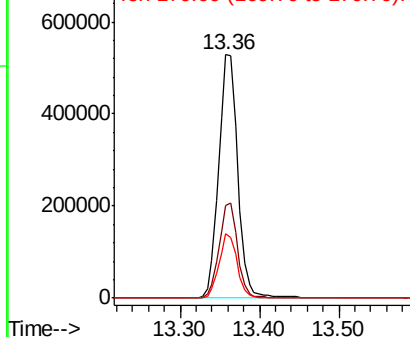


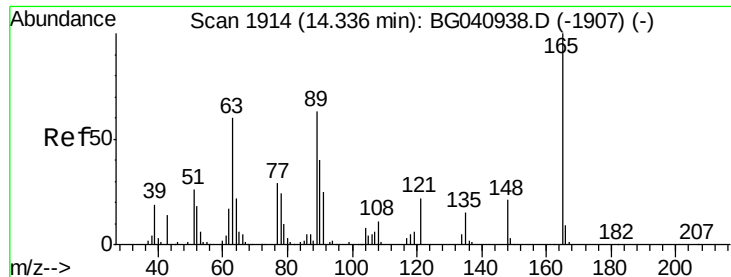
#45
 2-Fluorobiphenyl
 Concen: 98.955 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041182.D
 Acq: 11 Jun 2019 10:22

Tgt Ion:172 Resp: 883387
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.1 46.7
 170 26.3 20.5 30.7



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





#51

2,6-Dinitrotoluene

Concen: 7.104 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.42 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampled :

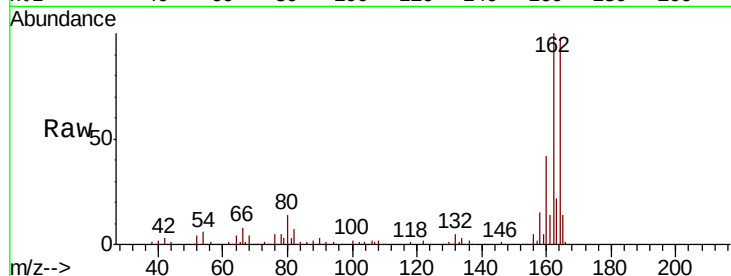
Tot Ion:165 Resp: 16670

Ion Ratio Lower Upper

165 100

63 1.4 53.6 80.4#

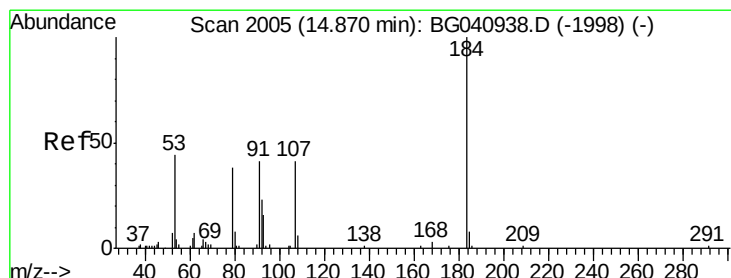
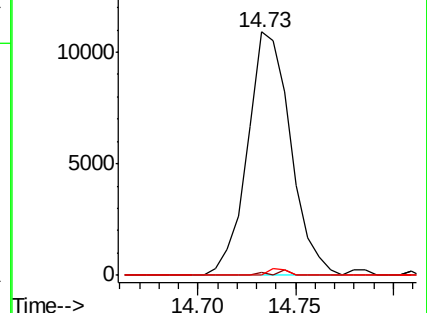
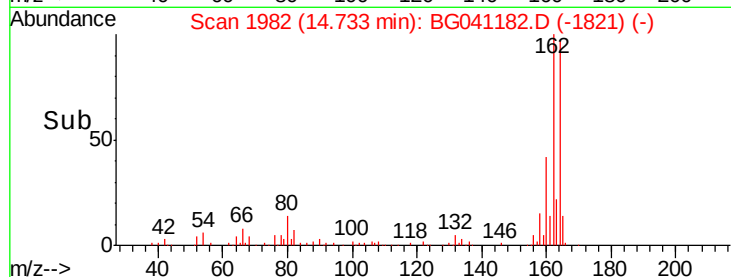
89 0.0 50.4 75.6#



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



#54

2,4-Dinitrophenol

Concen: 8.306 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.14 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

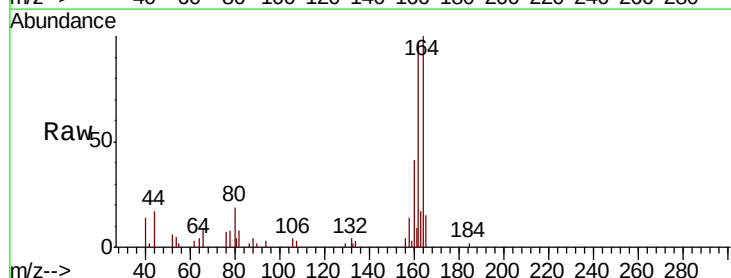
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

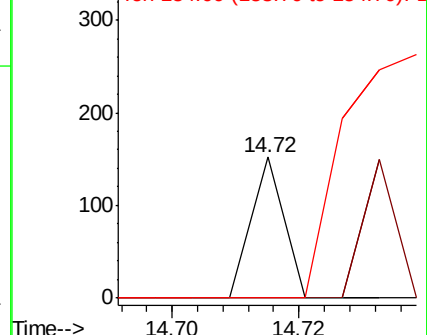
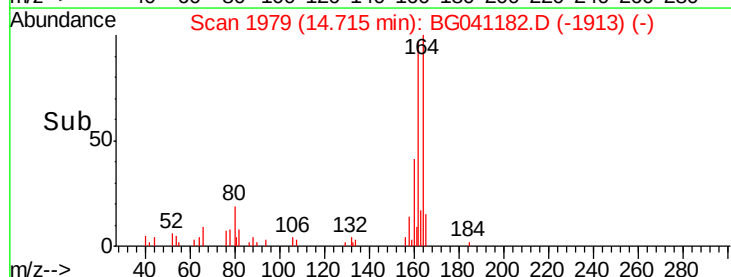
154 0.0 52.2 78.4#

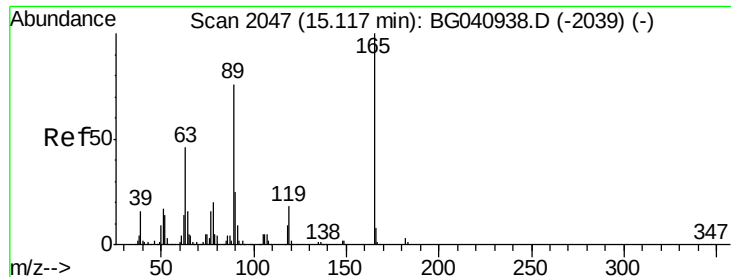


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.029 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16670

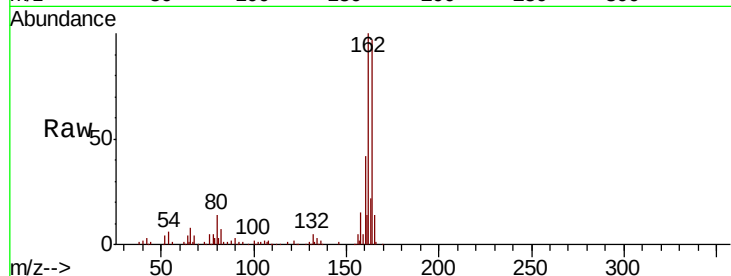
Ion Ratio Lower Upper

165 100

63 1.4 37.3 55.9#

89 0.0 61.0 91.6#

182 0.0 2.2 3.2#

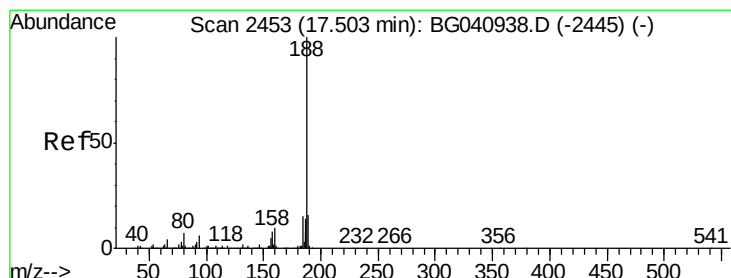
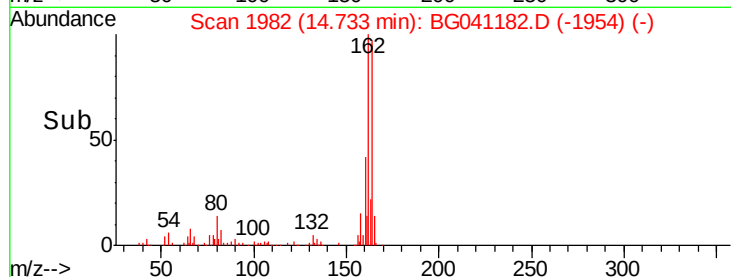
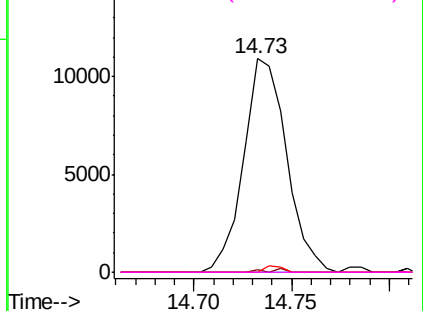


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

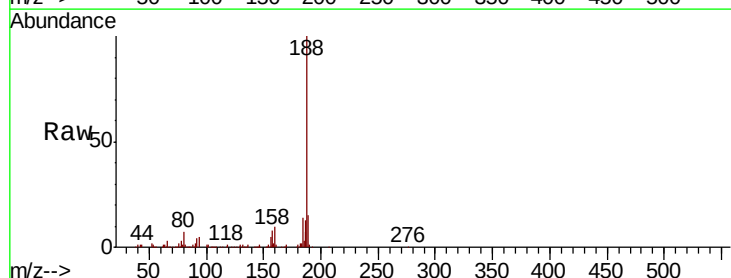
Tgt Ion:188 Resp: 306296

Ion Ratio Lower Upper

188 100

94 5.3 4.7 7.1

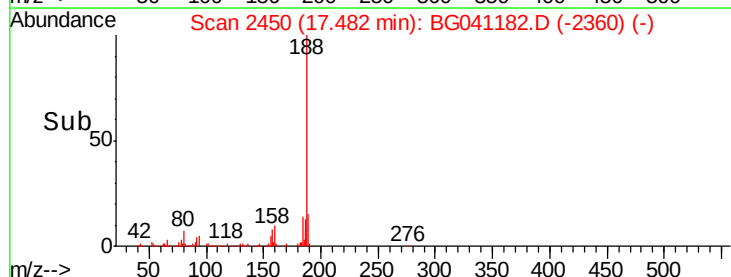
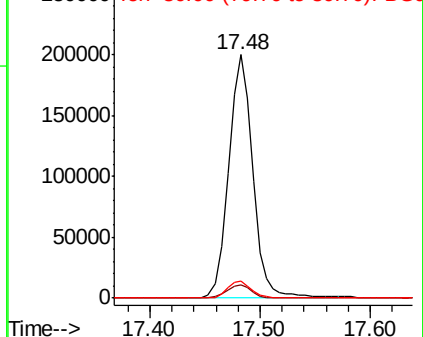
80 6.9 5.8 8.8

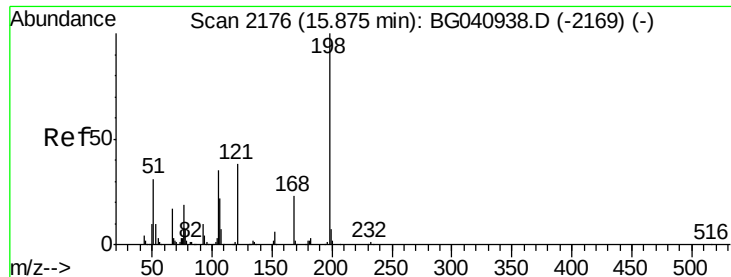


Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.026 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.37 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampled :

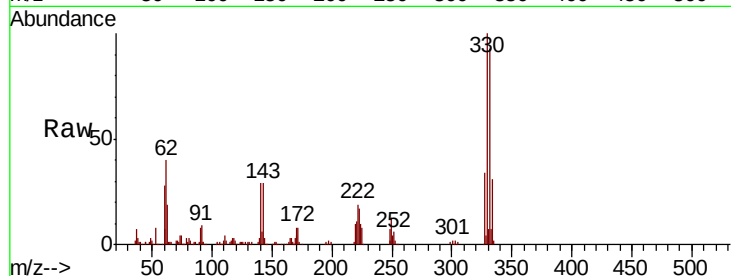
Tot Ion:198 Resp: 872

Ion Ratio Lower Upper

198 100

51 89.7 21.6 61.6#

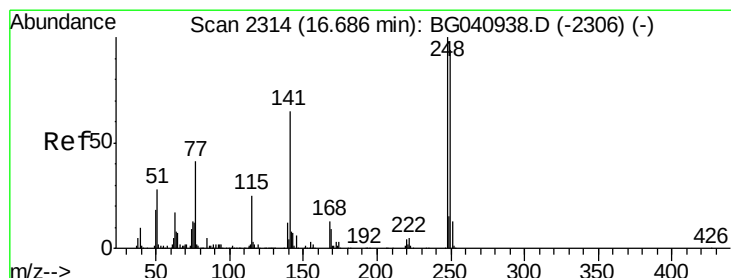
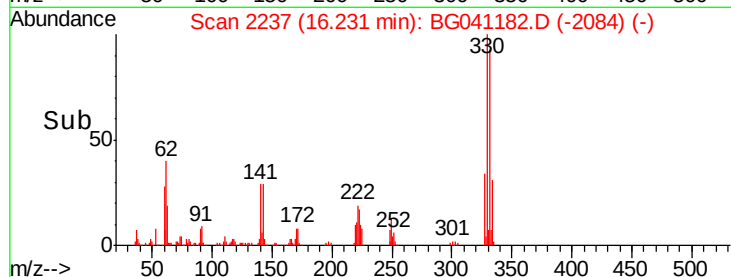
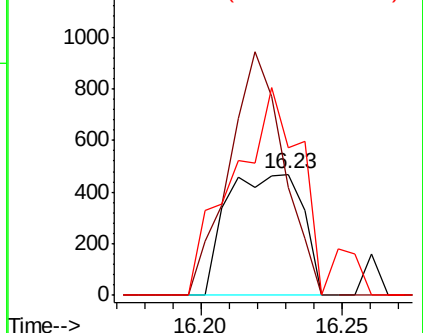
105 122.2 17.5 57.5#



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: 4.784 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

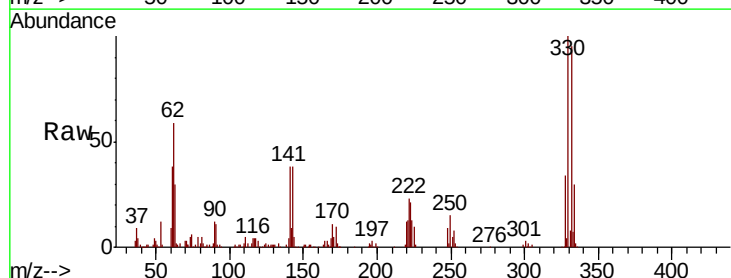
Tgt Ion:248 Resp: 19773

Ion Ratio Lower Upper

248 100

250 172.6 75.0 112.4#

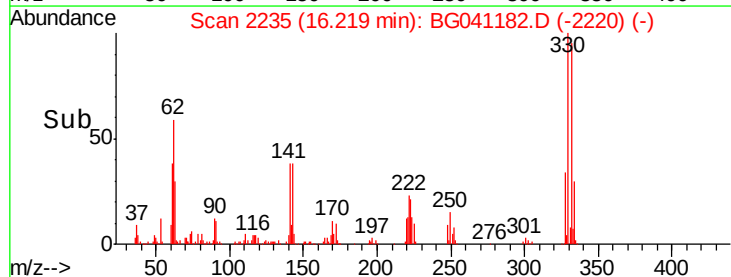
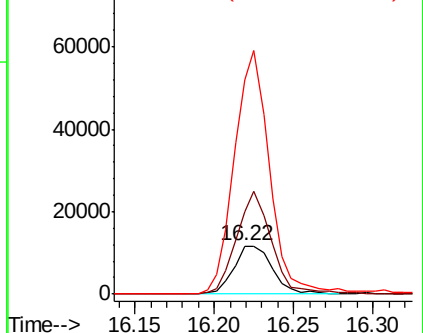
141 444.6 52.4 78.6#

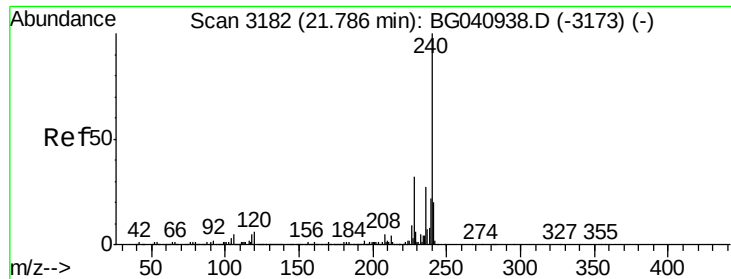


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampleId :

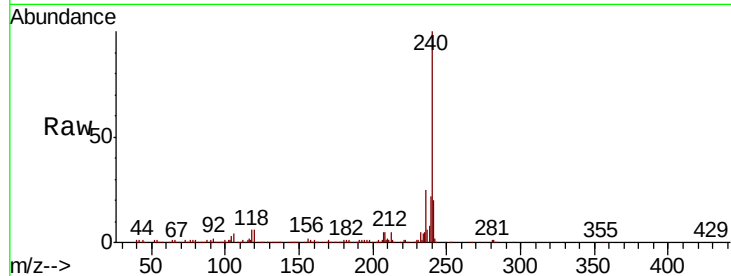
Tot Ion:240 Resp: 298724

Ion Ratio Lower Upper

240 100

120 5.6 4.5 6.7

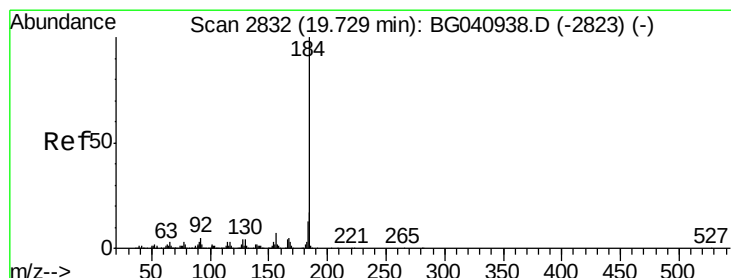
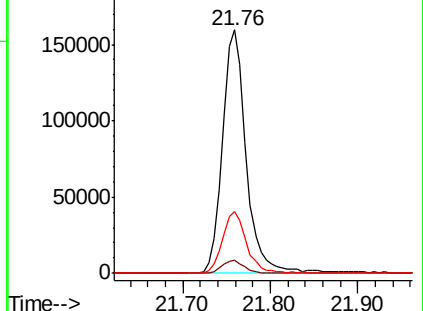
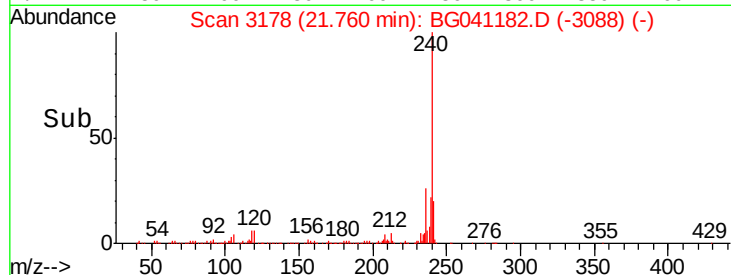
236 25.5 21.3 31.9



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



#77

Benzidine

Concen: 3.482 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.36 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

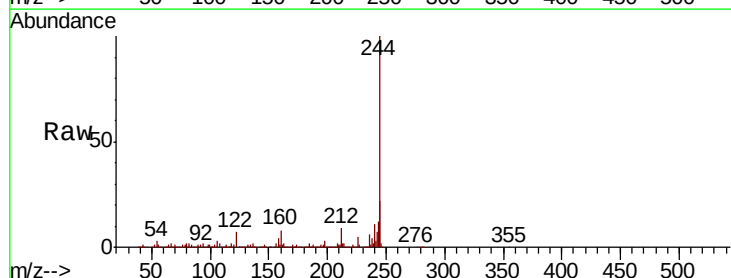
Tgt Ion:184 Resp: 24810

Ion Ratio Lower Upper

184 100

185 14.0 13.3 19.9

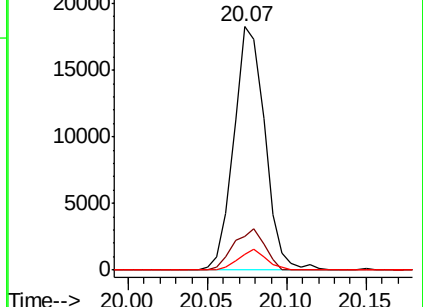
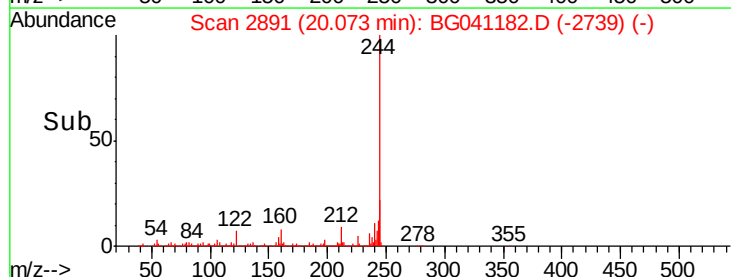
183 6.7 10.7 16.1#

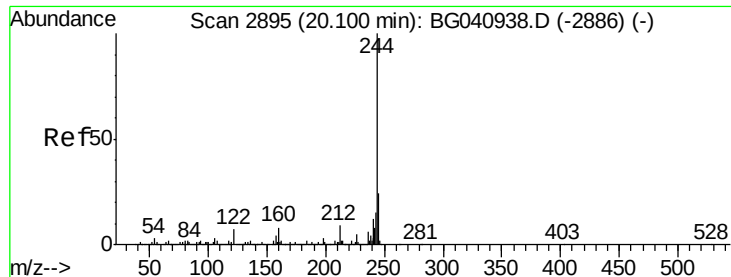


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 103.261 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.01 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

Instrument :

BNA_G

ClientSampled :

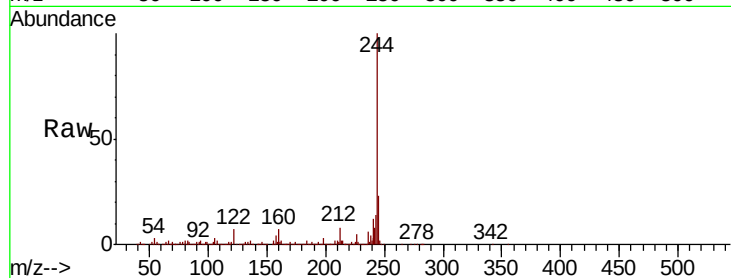
Tot Ion:244 Resp: 1453419

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

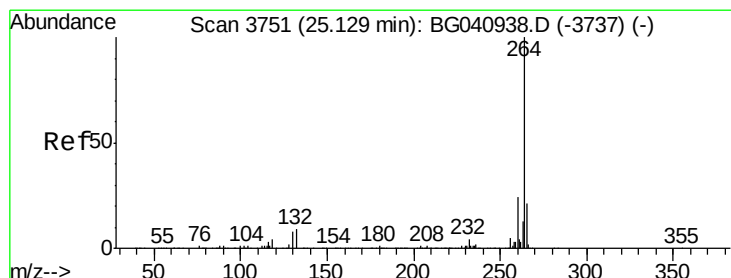
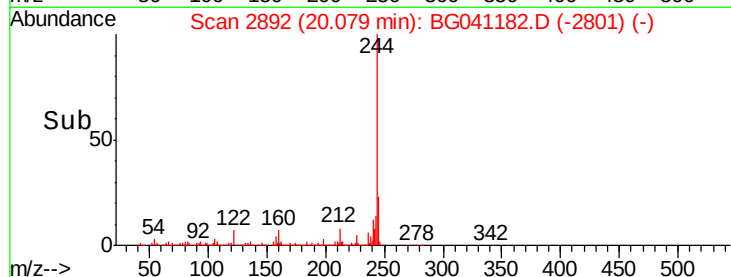
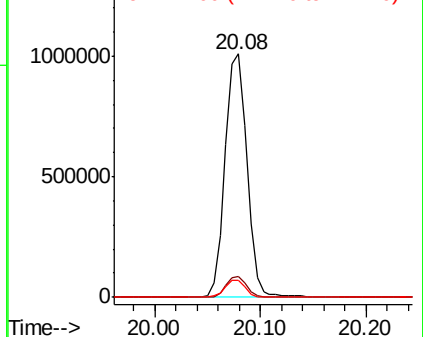
122 6.9 5.4 8.0



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: 25.09 min Scan# 3745

Delta R.T. 0.01 min

Lab File: BG041182.D

Acq: 11 Jun 2019 10:22

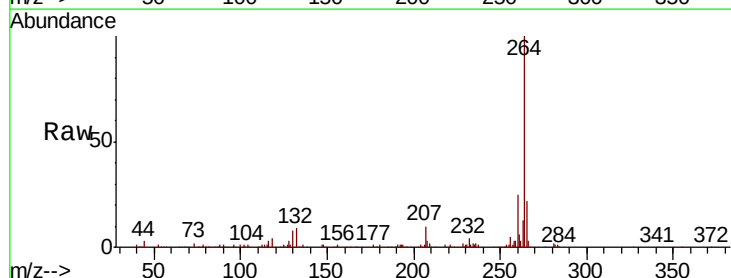
Tgt Ion:264 Resp: 285930

Ion Ratio Lower Upper

264 100

260 25.2 19.0 28.4

265 21.6 17.0 25.4



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

