

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
 Data File : BG041187.D
 Acq On : 11 Jun 2019 13:33
 Operator : HP/JU
 Sample : IDOC-BL-RC
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:53:26 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

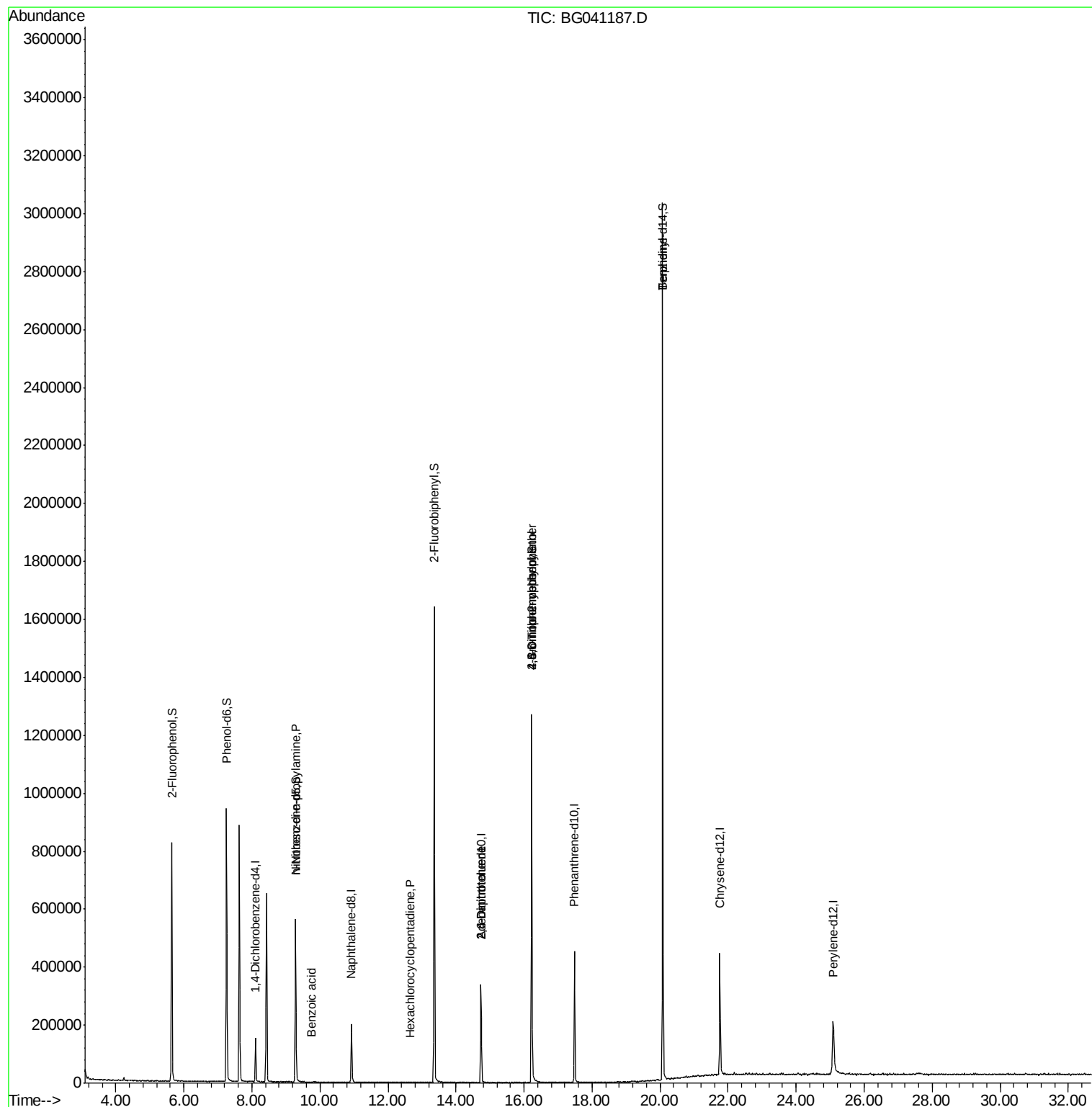
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42034	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	166655	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	124356	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	306330	20.00	ng	0.00
76) Chrysene-d12	21.76	240	291697	20.00	ng	0.00
87) Perylene-d12	25.08	264	279316	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	337483	144.78	ng	0.00
7) Phenol-d6	7.26	99	504050	140.01	ng	0.00
23) Nitrobenzene-d5	9.28	82	357485	95.23	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	262240	142.05	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	855154	99.03	ng	0.00
79) Terphenyl-d14	20.08	244	1434648	104.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	51063	18.431	ng	# 73
32) Benzoic acid	9.75	122	60	8.155	ng	# 1
41) Hexachlorocyclopentadiene	12.65	237	56	8.254	ng	# 26
51) 2,6-Dinitrotoluene	14.73	165	15623	6.883	ng	# 21
57) 2,4-Dinitrotoluene	14.73	165	15623	4.873	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	802	8.991	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	19659	4.755	ng	# 1
77) Benzidine	20.08	184	24706	3.550	ng	# 95

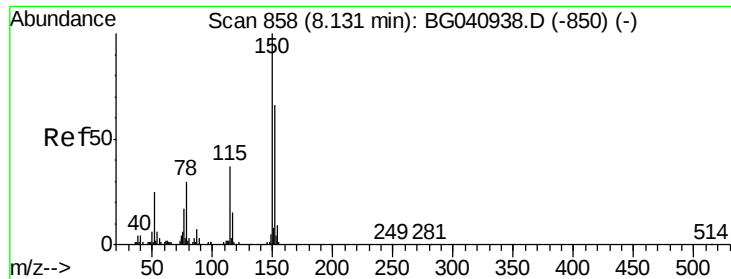
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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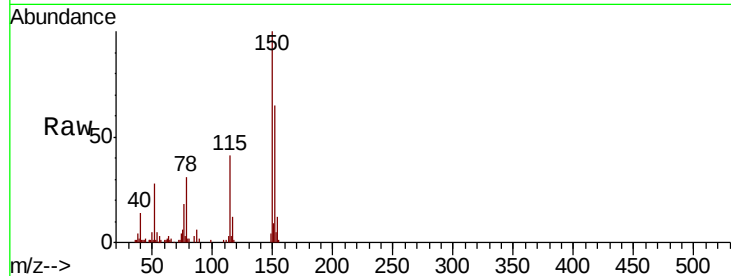


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	120.6	180.8
115	62.8	45.1	67.7

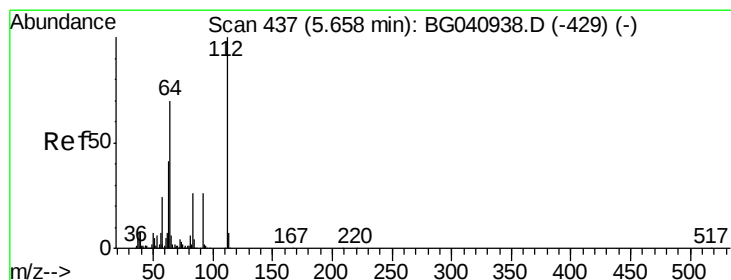
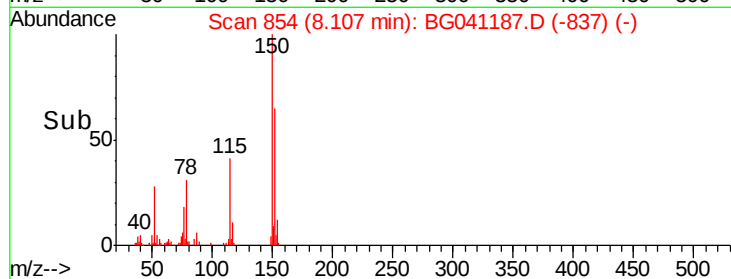
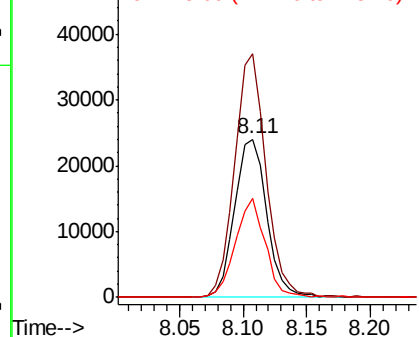


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

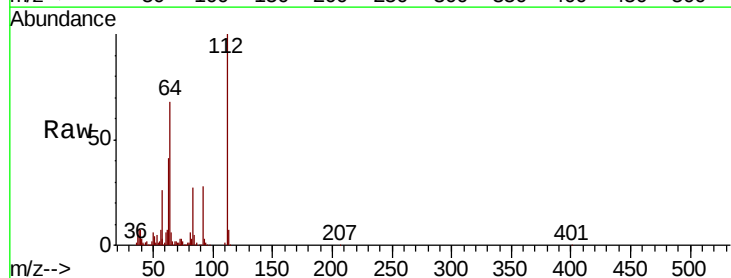
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.776 ng
RT: 5.65 min Scan# 435
Delta R.T. 0.01 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	56.2	84.2
63	41.3	32.8	49.2

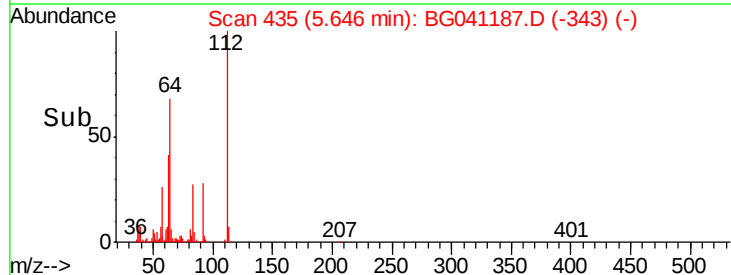
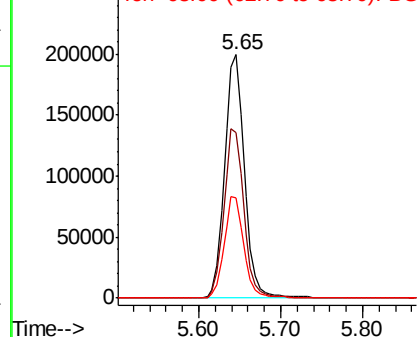


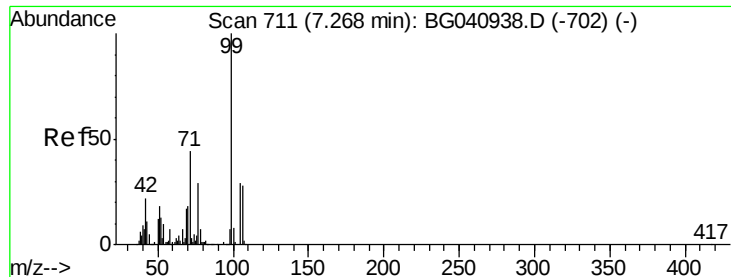
Abundance

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: 140.011 ng

RT: 7.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

Instrument :

BNA_G

ClientSampleId :

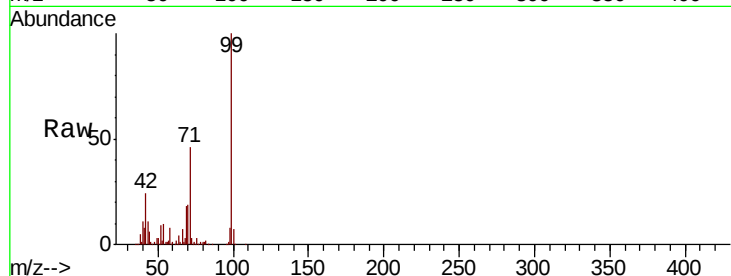
Tot Ion: 99 Resp: 504050

Ion Ratio Lower Upper

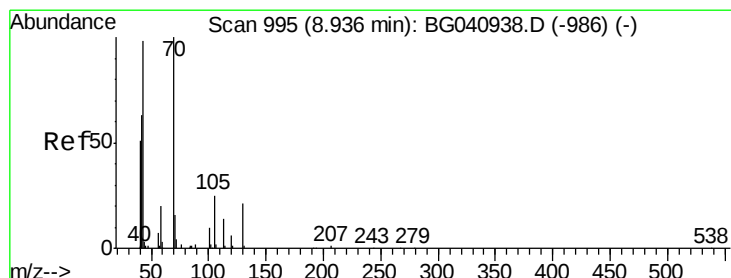
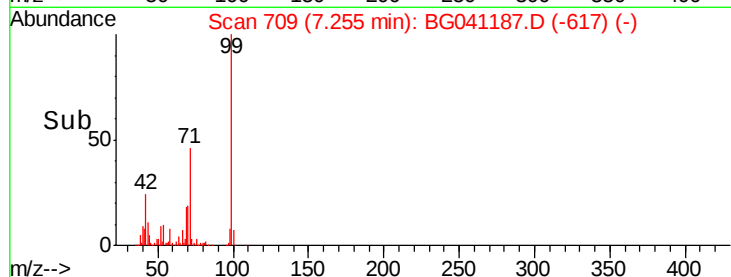
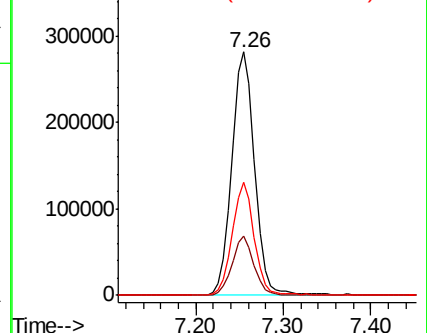
99 100

42 24.3 17.9 26.9

71 46.3 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: 18.431 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.38 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

Tgt Ion: 70 Resp: 51063

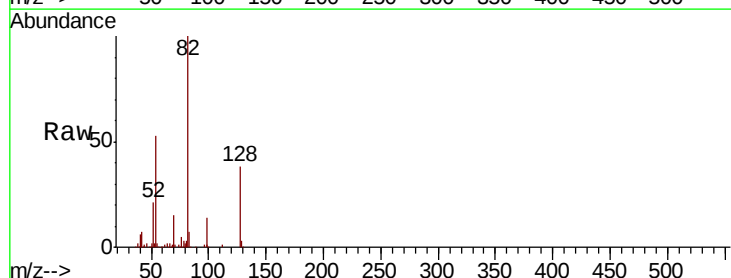
Ion Ratio Lower Upper

70 100

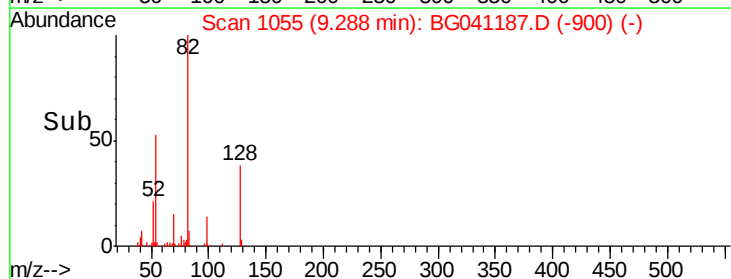
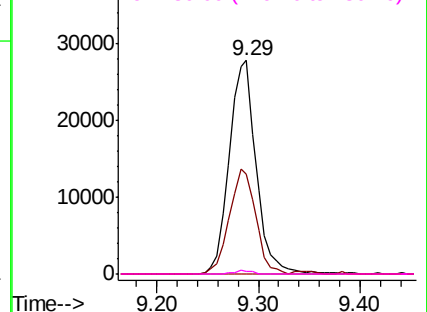
42 46.5 51.5 77.3#

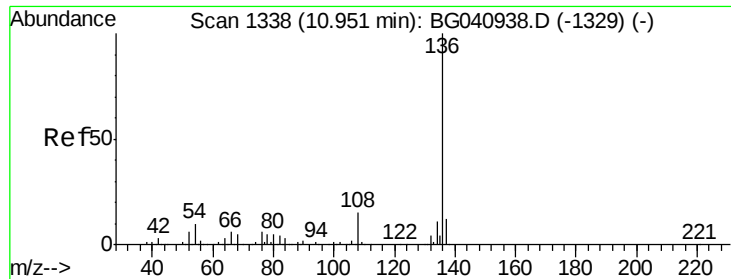
101 0.0 8.1 12.1#

130 1.1 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

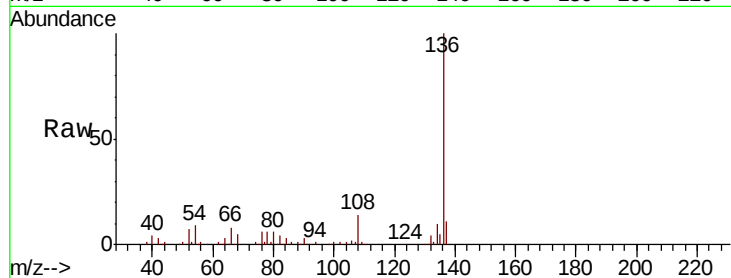




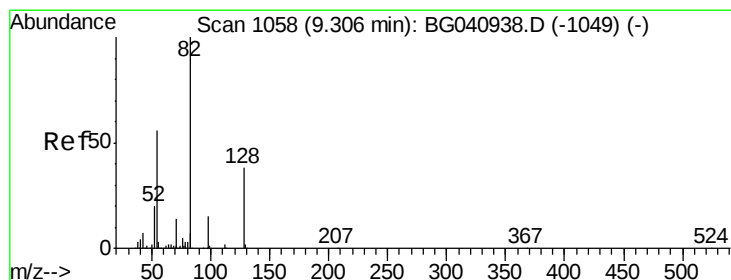
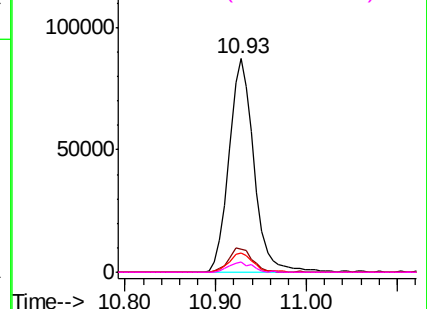
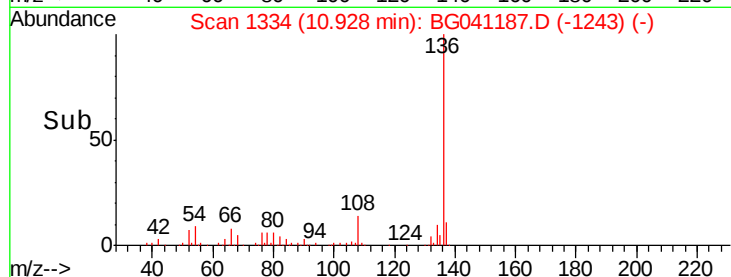
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	166655
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.5 14.3
54	9.2	7.6 11.4
68	5.0	3.9 5.9

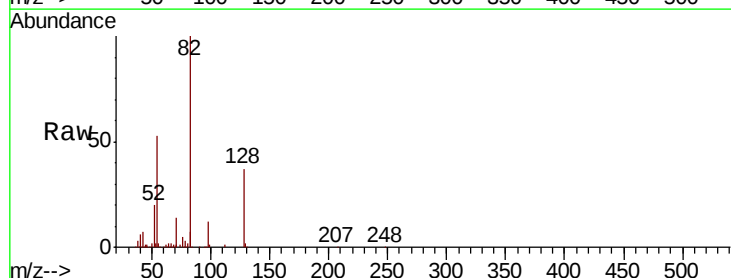


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

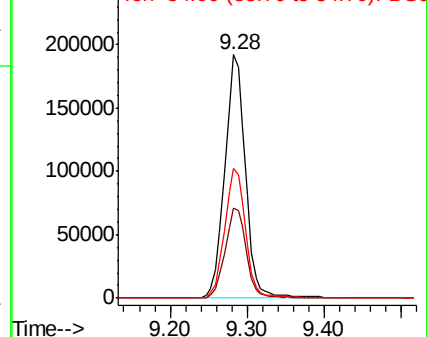
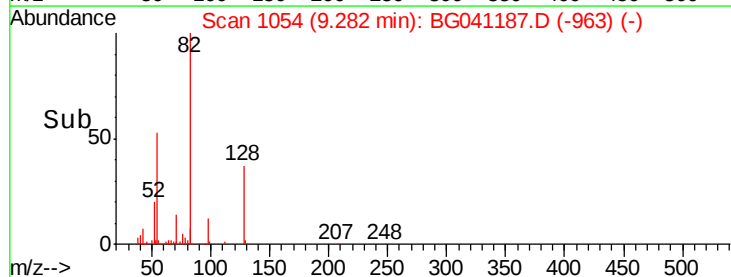


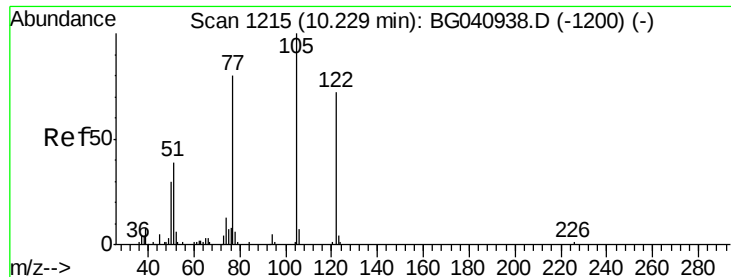
#23
Nitrobenzene-d5
Concen: 95.227 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Tgt Ion: 82	Resp:	357485
Ion Ratio	Lower	Upper
82	100	
128	36.9	30.5 45.7
54	53.2	44.6 66.8



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

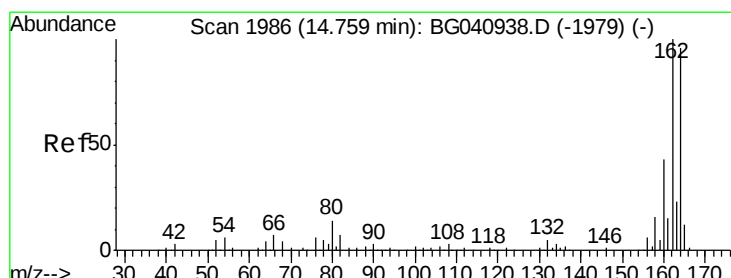
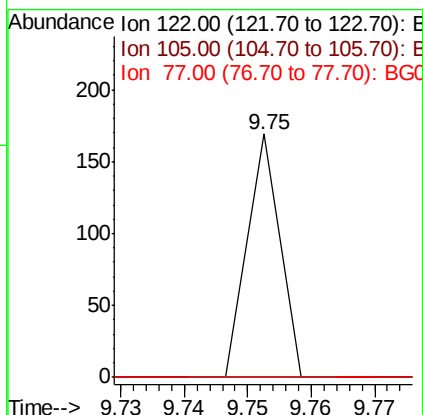
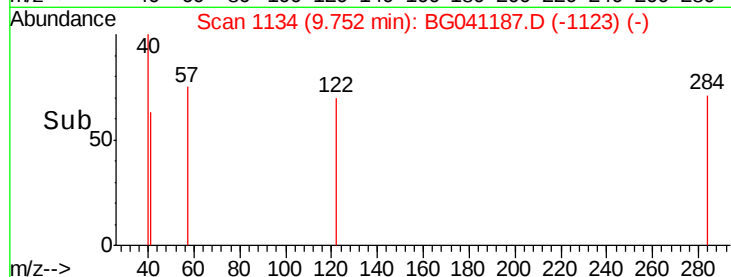
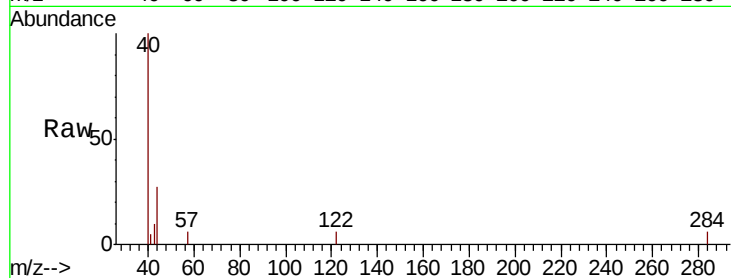




#32
Benzoic acid
Concen: 8.155 ng
RT: 9.75 min Scan# 1134
Delta R.T. -0.47 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

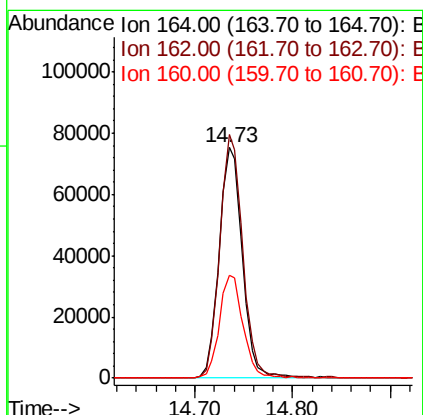
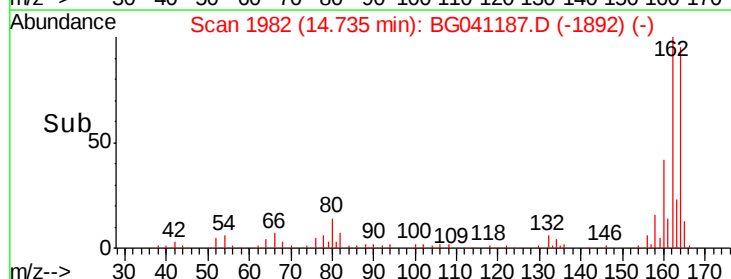
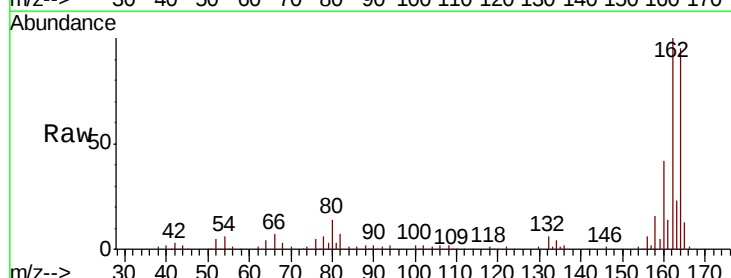
Instrument :
BNA_G
ClientSampleId :

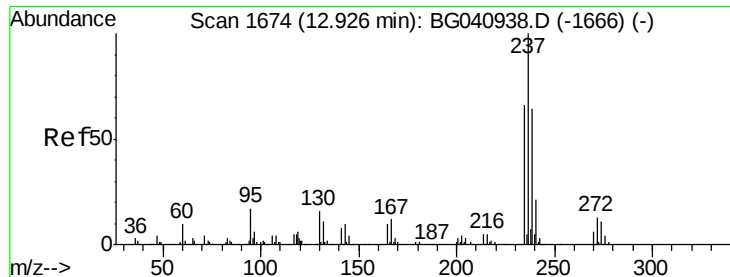
Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 89.9 129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Tgt Ion:164 Resp: 124356
Ion Ratio Lower Upper
164 100
162 105.6 83.0 124.4
160 44.5 35.6 53.4

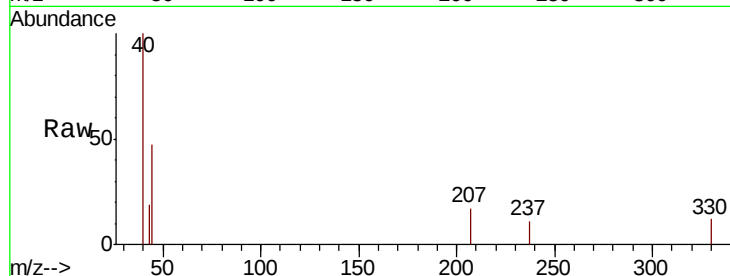




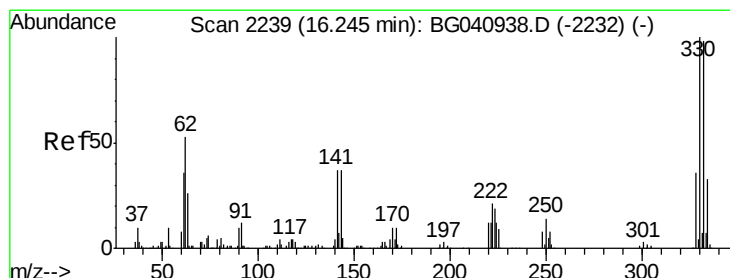
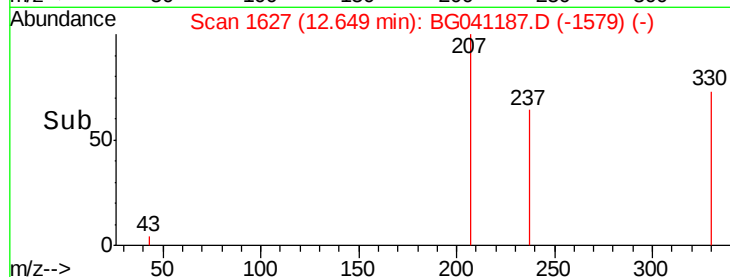
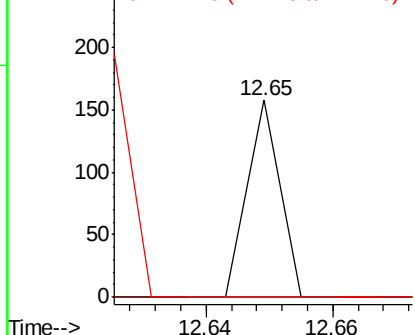
#41
Hexachlorocyclopentadiene
Concen: 8.254 ng
RT: 12.65 min Scan# 1627
Delta R.T. -0.25 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:237 Resp: 56
Ion Ratio Lower Upper
237 100
235 0.0 45.5 85.5#
272 0.0 0.0 32.9

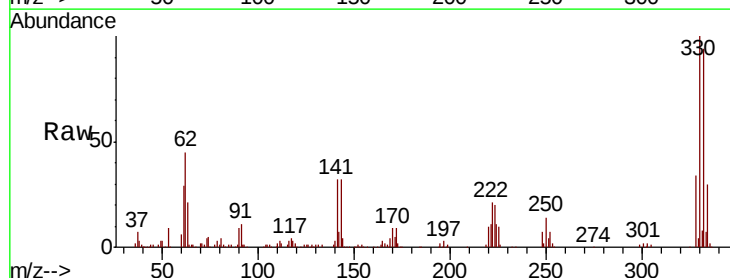


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

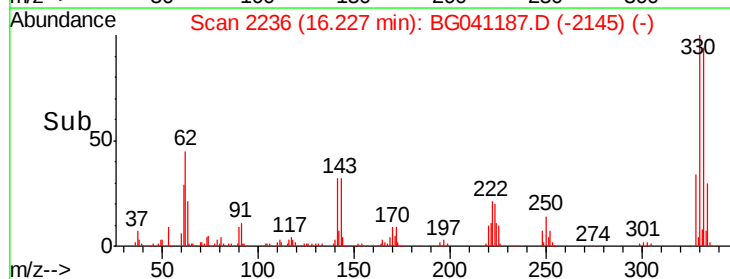
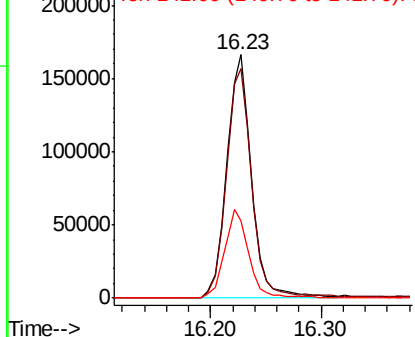


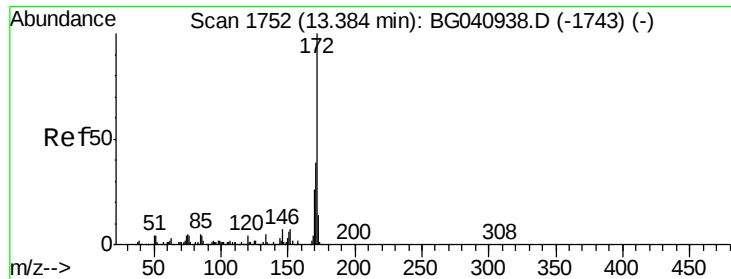
#42
2,4,6-Tribromophenol
Concen: 142.047 ng
RT: 16.23 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Tgt Ion:330 Resp: 262240
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 35.8 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

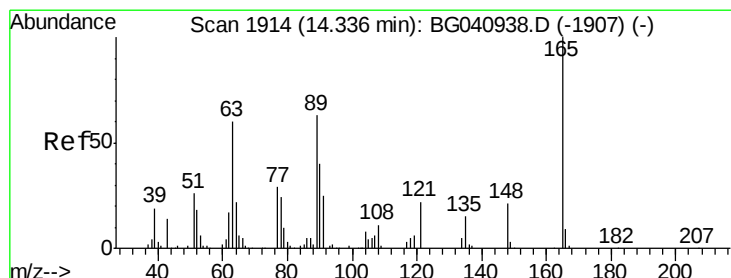
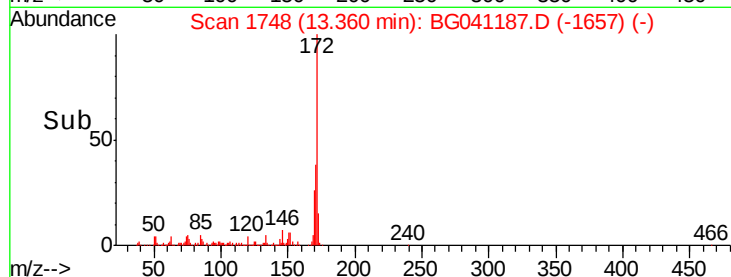
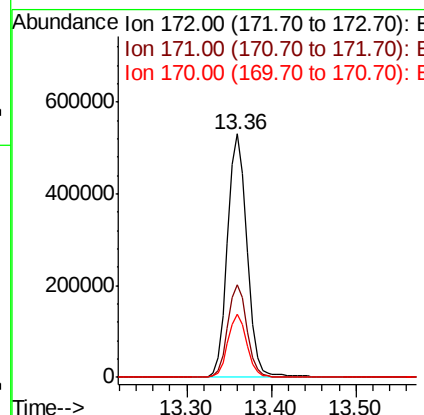
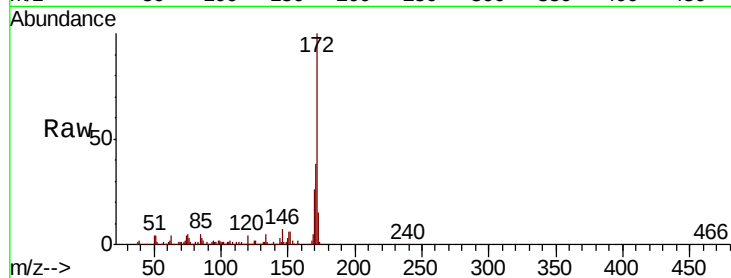




#45
2-Fluorobiphenyl
Concen: 99.031 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

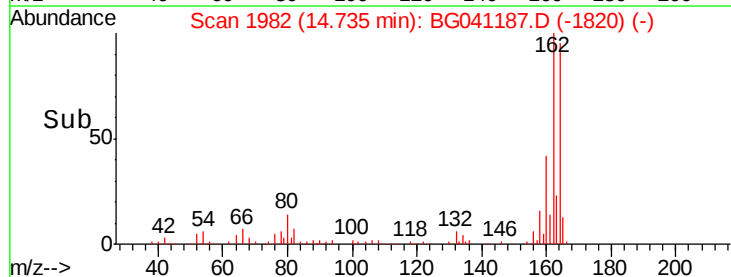
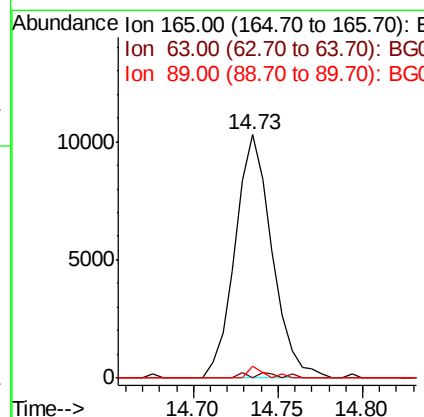
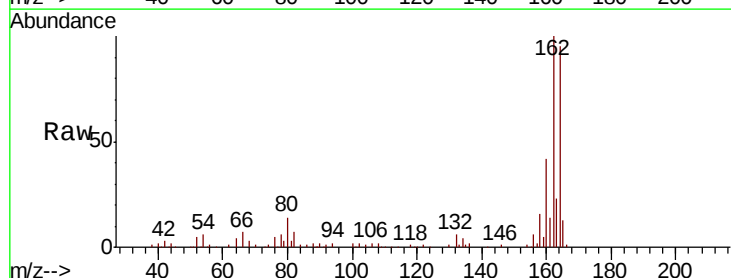
Instrument :
BNA_G
ClientSampleId :

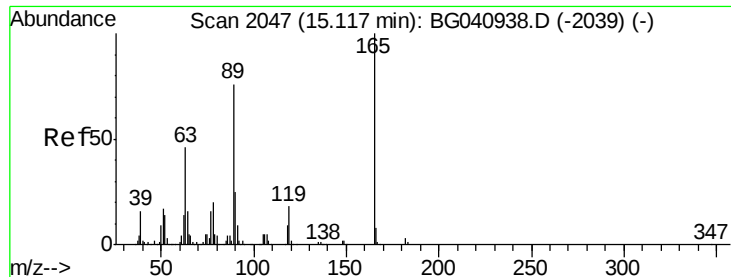
Tot Ion:172 Resp: 855154
Ion Ratio Lower Upper
172 100
171 38.0 31.1 46.7
170 25.7 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 6.883 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.42 min
Lab File: BG041187.D
Acq: 11 Jun 2019 13:33

Tgt Ion:165 Resp: 15623
Ion Ratio Lower Upper
165 100
63 0.0 53.6 80.4#
89 4.8 50.4 75.6#

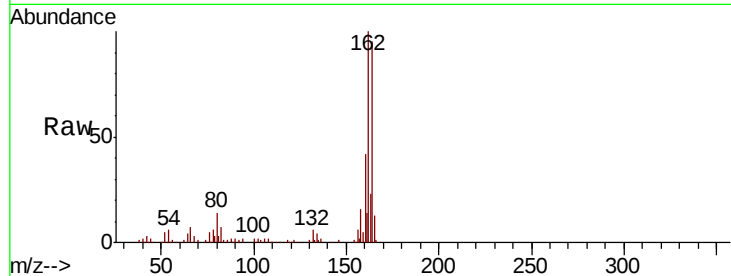




#57
 2,4-Dinitrotoluene
 Concen: 4.873 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG041187.D
 Acq: 11 Jun 2019 13:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	4.8	61.0	91.6#
182	0.0	2.2	3.2#



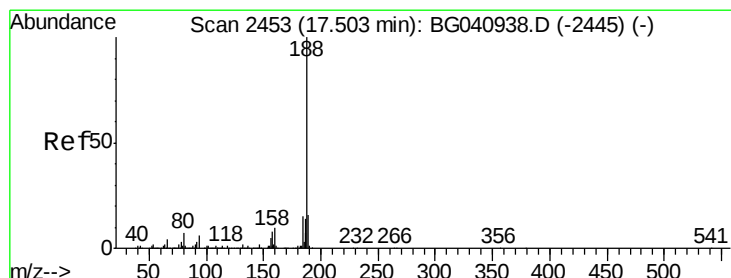
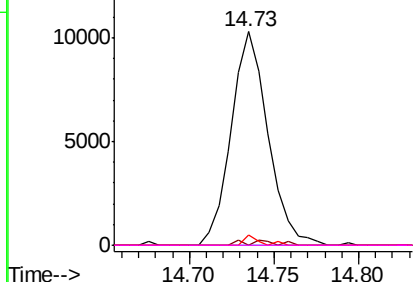
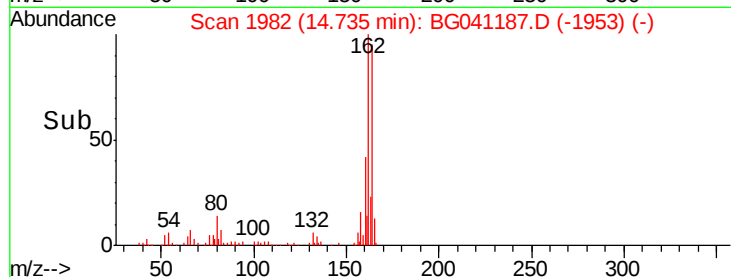
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

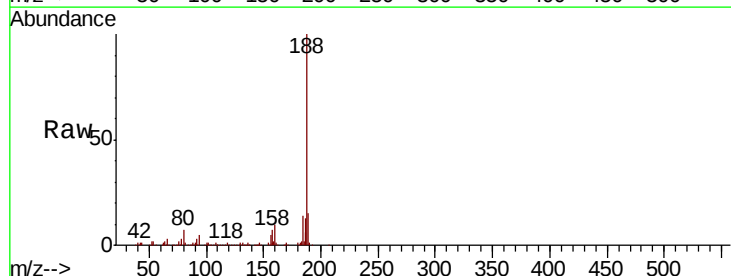
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BG041187.D
 Acq: 11 Jun 2019 13:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.7	7.1
80	6.7	5.8	8.8

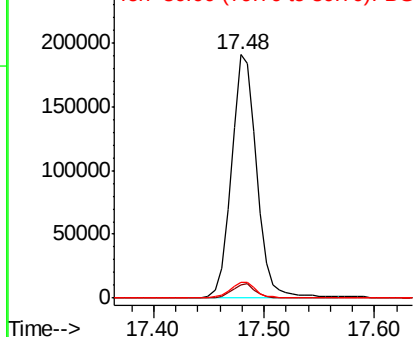
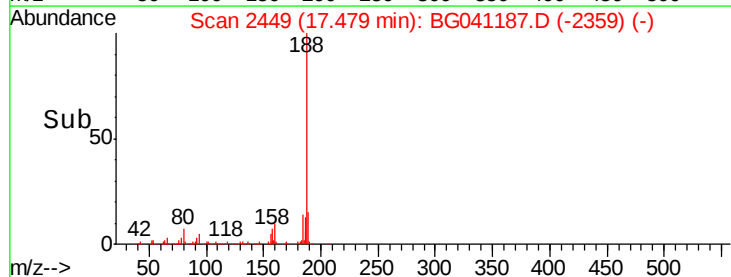


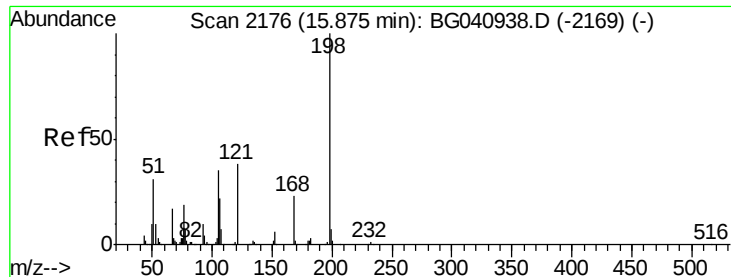
Abundance

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: 8.991 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.36 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

Instrument :

BNA_G

ClientSampleId :

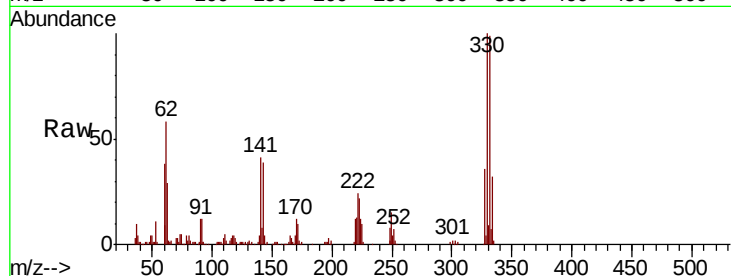
Tot Ion:198 Resp: 802

Ion Ratio Lower Upper

198 100

51 121.7 21.6 61.6#

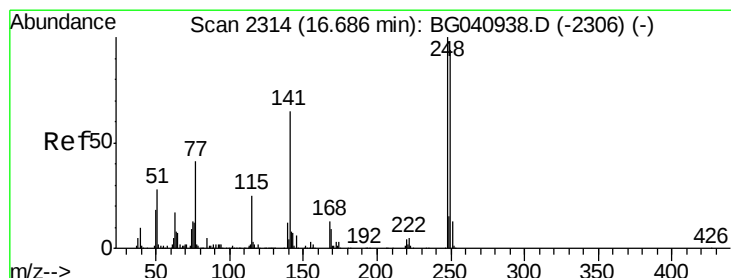
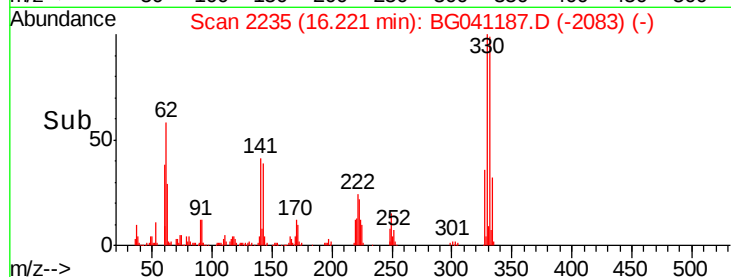
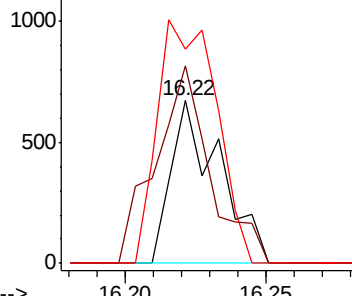
105 132.1 17.5 57.5#



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: 4.755 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

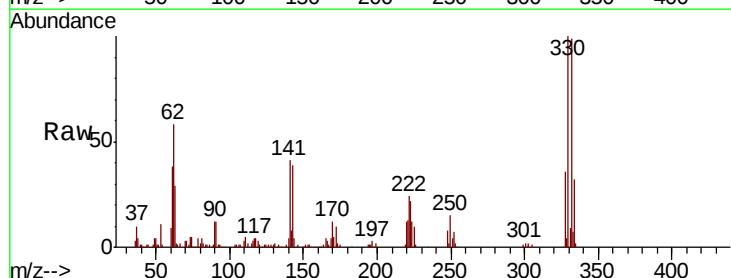
Tgt Ion:248 Resp: 19659

Ion Ratio Lower Upper

248 100

250 176.3 75.0 112.4#

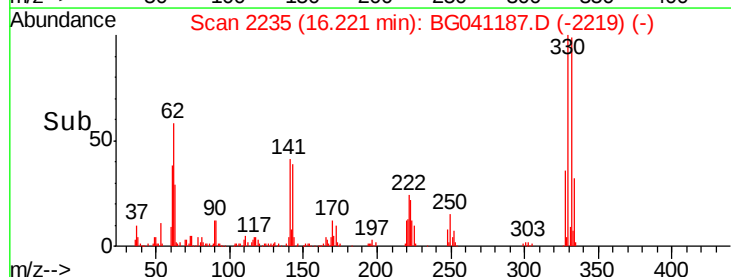
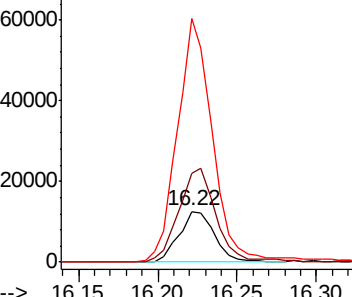
141 482.9 52.4 78.6#

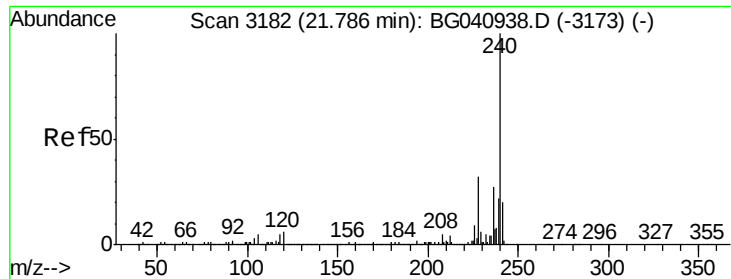


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3177

Delta R.T. -0.00 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

Instrument :

BNA_G

ClientSampleId :

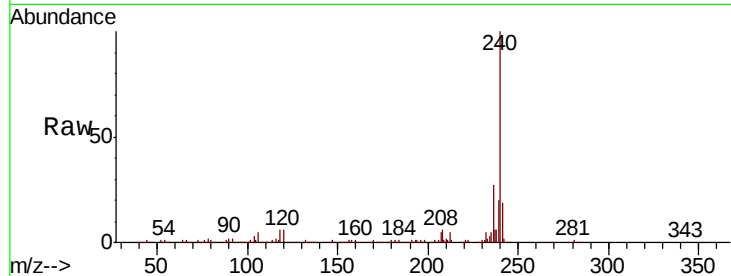
Tot Ion:240 Resp: 291697

Ion Ratio Lower Upper

240 100

120 5.7 4.5 6.7

236 27.3 21.3 31.9

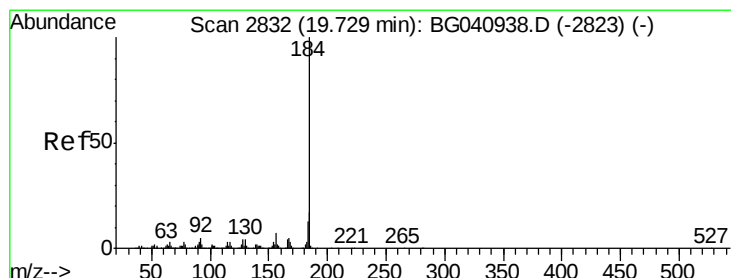
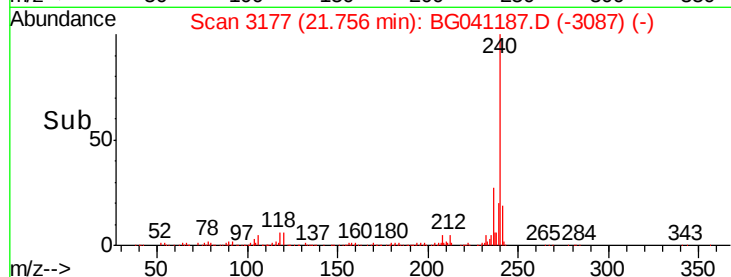
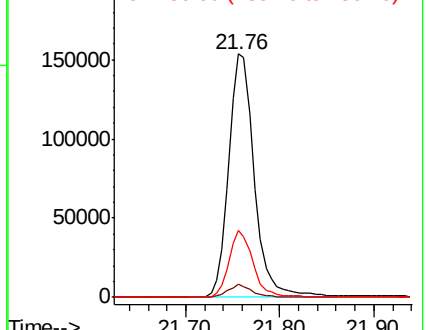


Abundance

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: 3.550 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

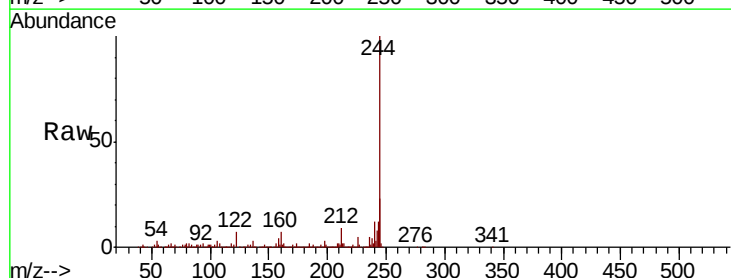
Tgt Ion:184 Resp: 24706

Ion Ratio Lower Upper

184 100

185 16.0 13.3 19.9

183 9.2 10.7 16.1#

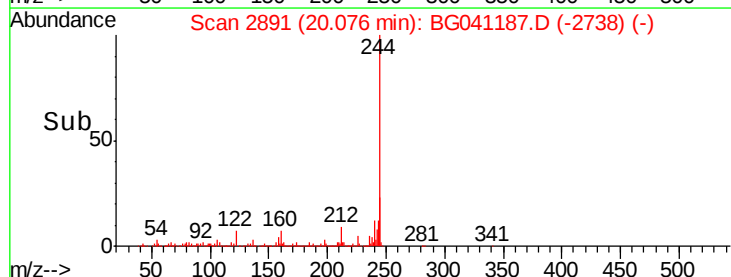
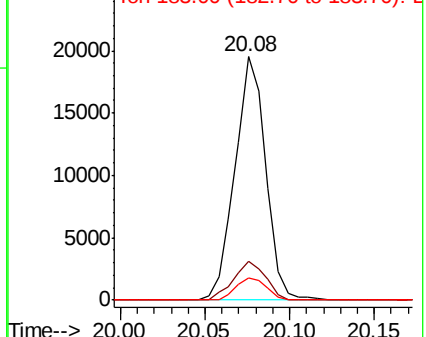


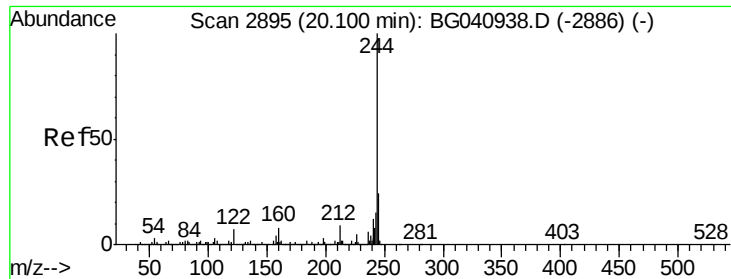
Abundance

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: 104.383 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

Instrument :

BNA_G

ClientSampleId :

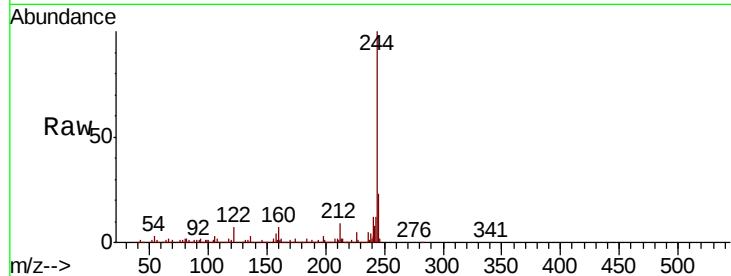
Tot Ion:244 Resp: 1434648

Ion Ratio Lower Upper

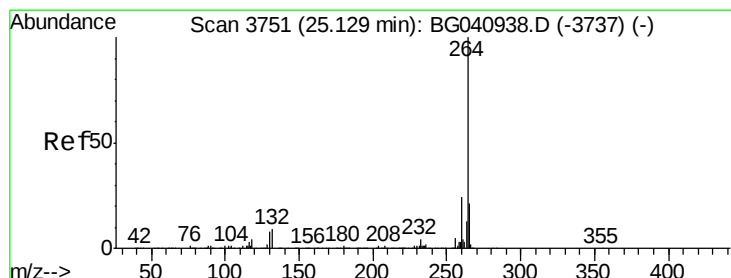
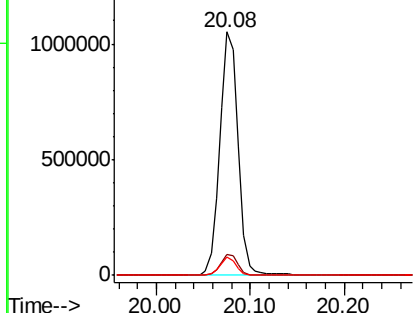
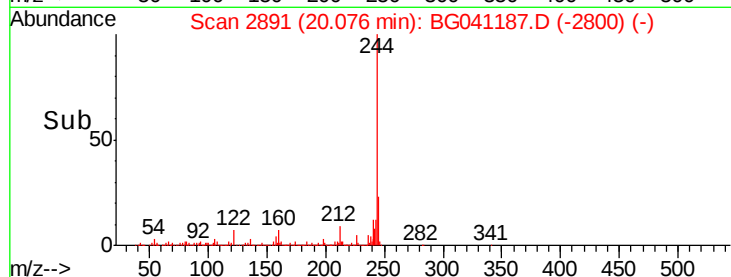
244 100

212 8.8 7.0 10.4

122 7.4 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: 25.08 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BG041187.D

Acq: 11 Jun 2019 13:33

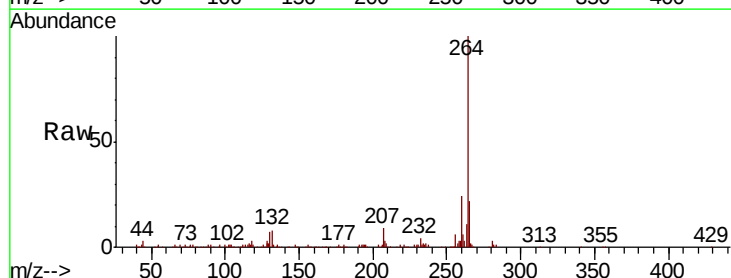
Tgt Ion:264 Resp: 279316

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 21.9 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

