

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
 Data File : BG041196.D
 Acq On : 11 Jun 2019 19:55
 Operator : HP/JU
 Sample : PB120503BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 12 01:59:14 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

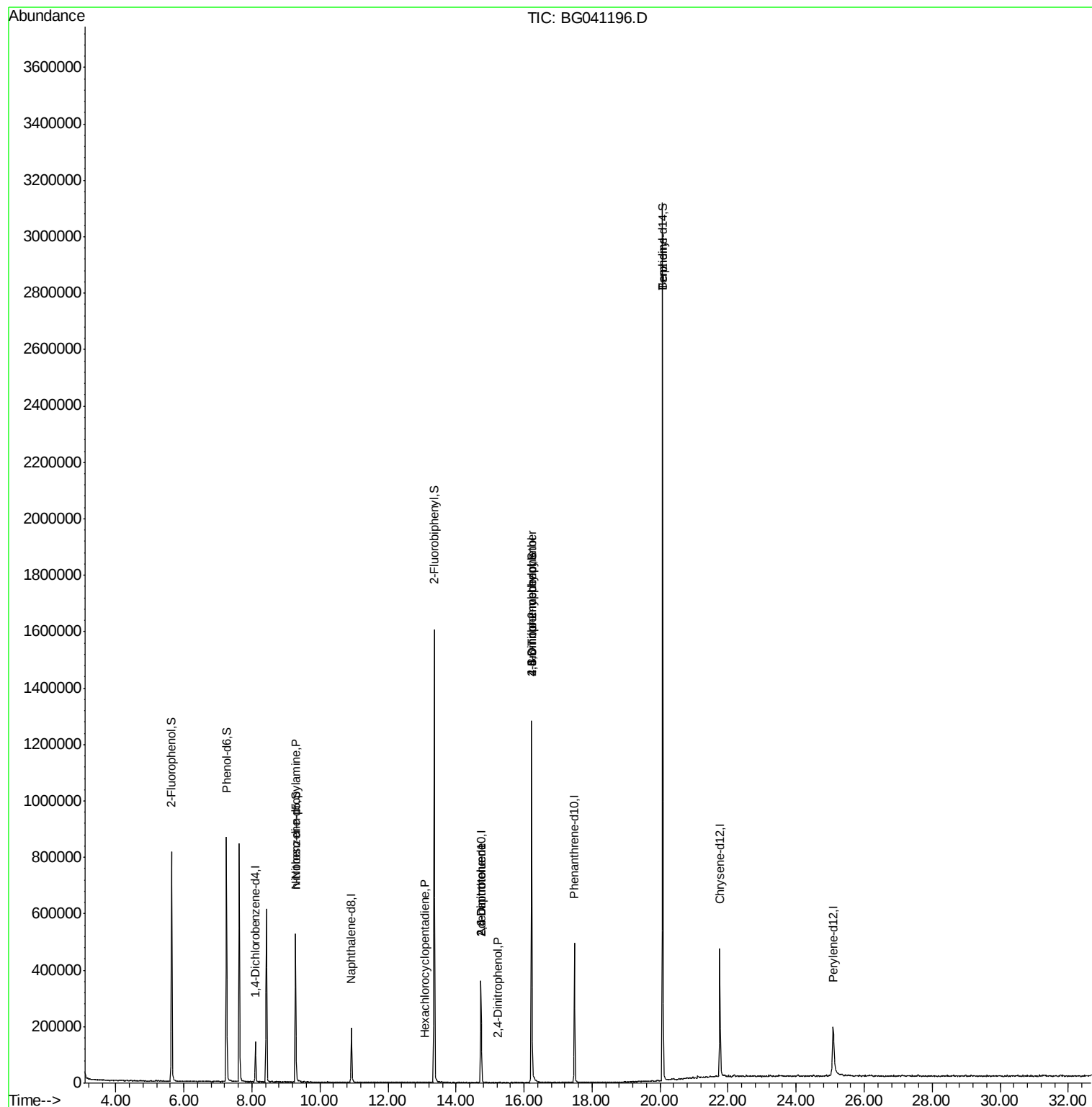
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	37786	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	166720	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	129392	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	322593	20.00	ng	0.00
76) Chrysene-d12	21.76	240	318044	20.00	ng	0.00
87) Perylene-d12	25.09	264	292308	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	316042	150.82	ng	0.00
7) Phenol-d6	7.26	99	474155	146.51	ng	0.00
23) Nitrobenzene-d5	9.28	82	329742	87.80	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	261051	135.90	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	849442	94.54	ng	0.00
79) Terphenyl-d14	20.08	244	1484489	99.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	45966	18.457	ng	# 74
41) Hexachlorocyclopentadiene	13.09	237	67	8.257	ng	# 26
51) 2,6-Dinitrotoluene	14.74	165	16099	6.817	ng	# 21
54) 2,4-Dinitrophenol	15.22	184	55	8.307	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	16099	4.826	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	754	8.948	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	19392	4.454	ng	# 1
77) Benzidine	20.08	184	25005	3.296	ng	# 95

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

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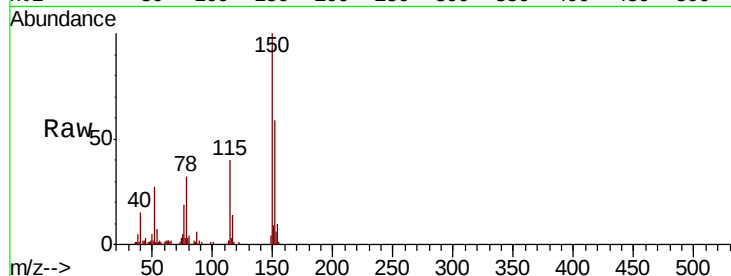


#1

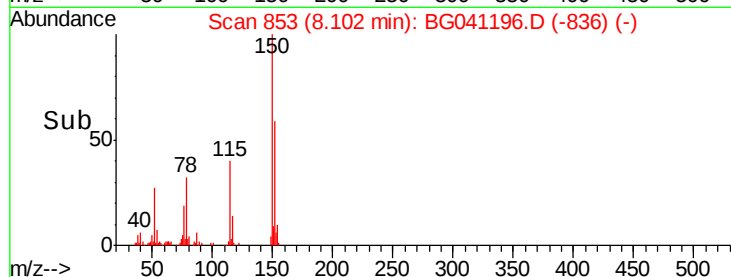
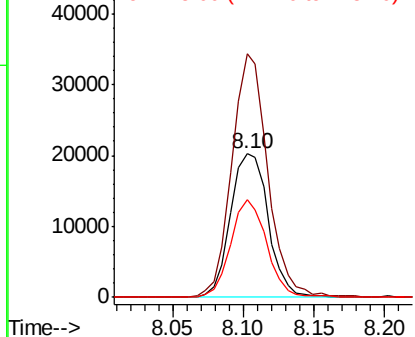
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041196.D
Acq: 11 Jun 2019 19:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37786
Ion Ratio Lower Upper
152 100
150 170.0 120.6 180.8
115 68.2 45.1 67.7#



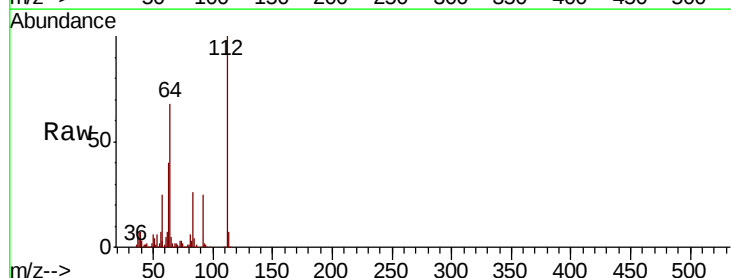
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



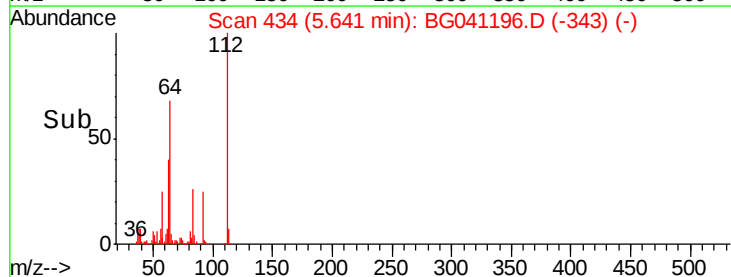
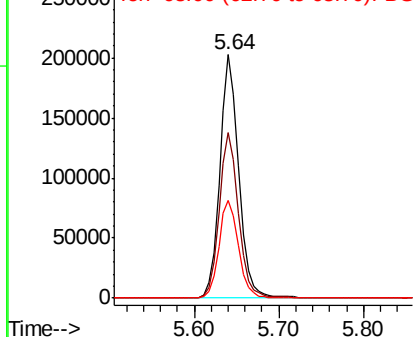
#5

2-Fluorophenol
Concen: 150.821 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041196.D
Acq: 11 Jun 2019 19:55

Tgt Ion:112 Resp: 316042
Ion Ratio Lower Upper
112 100
64 67.9 56.2 84.2
63 39.9 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: 146.513 ng

RT: 7.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampleId :

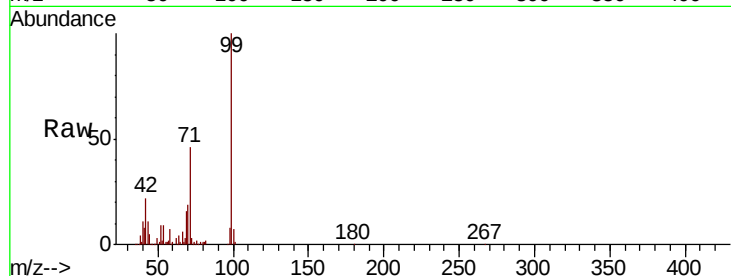
Tot Ion: 99 Resp: 474155

Ion Ratio Lower Upper

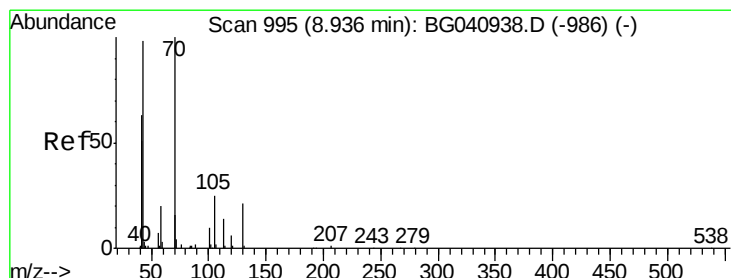
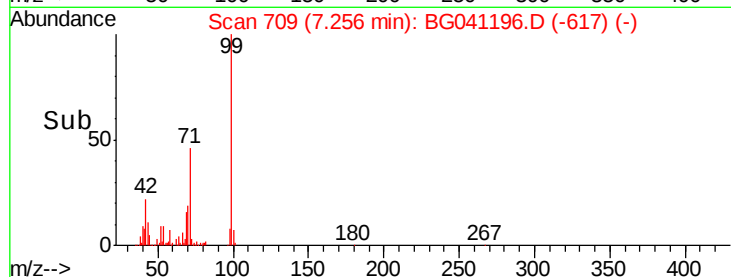
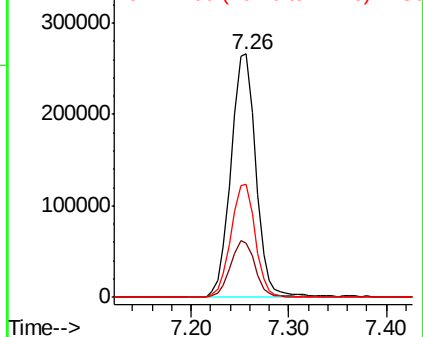
99 100

42 22.1 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: 18.457 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Tgt Ion: 70 Resp: 45966

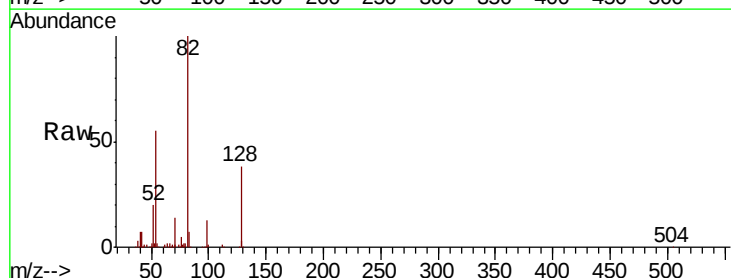
Ion Ratio Lower Upper

70 100

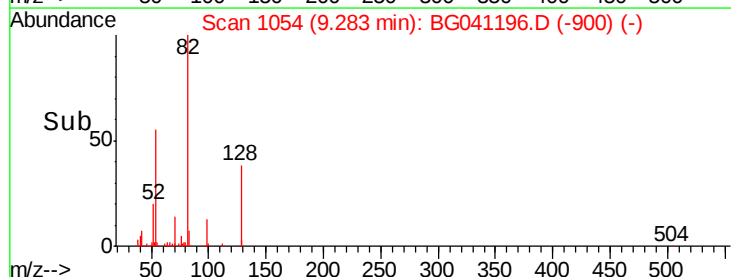
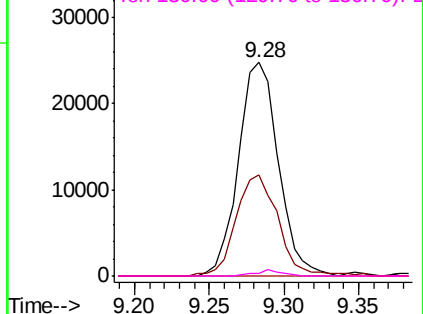
42 47.5 51.5 77.3#

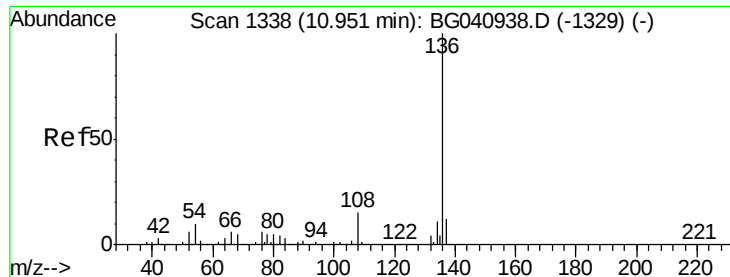
101 0.0 8.1 12.1#

130 1.4 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

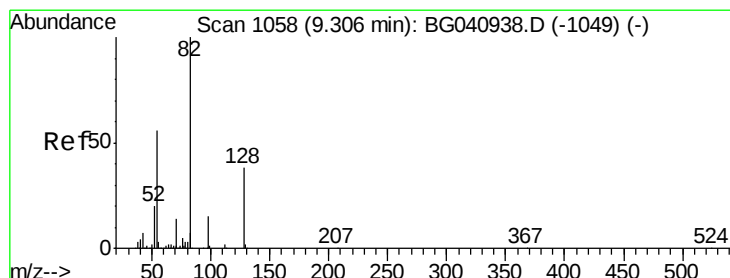
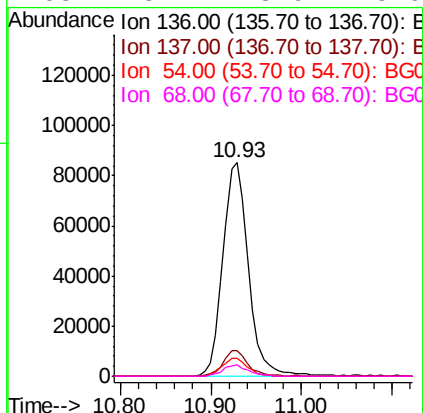
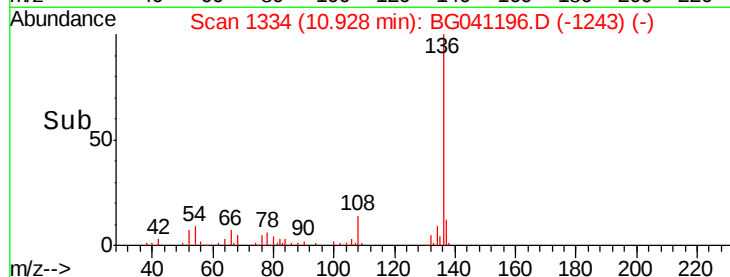
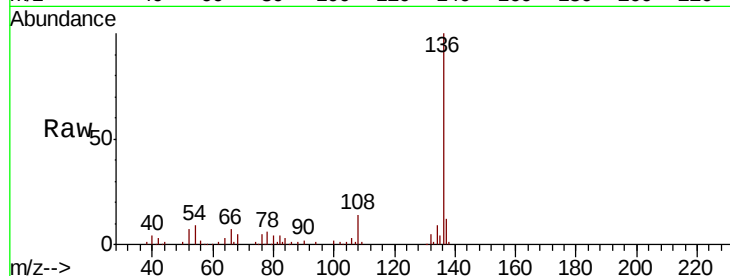




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041196.D
Acq: 11 Jun 2019 19:55

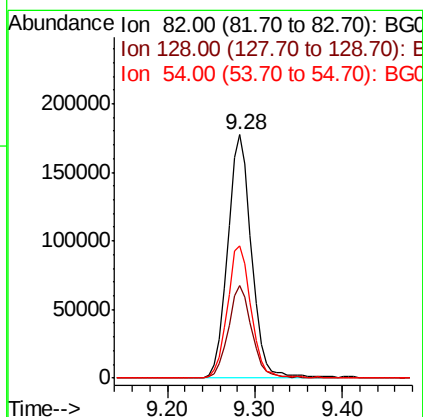
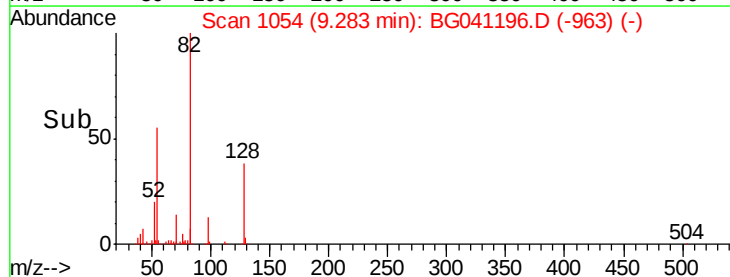
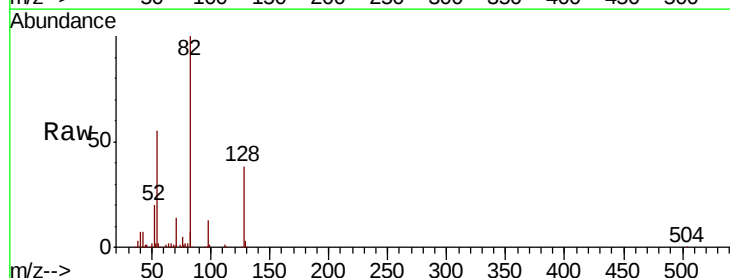
Instrument :
BNA_G
ClientSampleId :

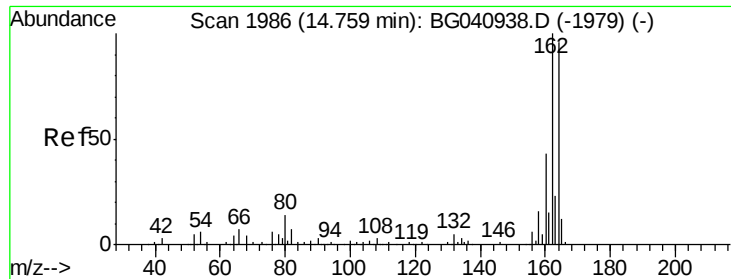
Tot Ion:136	Resp:	166720
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.5 14.3
54	8.6	7.6 11.4
68	5.4	3.9 5.9



#23
Nitrobenzene-d5
Concen: 87.803 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041196.D
Acq: 11 Jun 2019 19:55

Tgt Ion: 82	Resp:	329742
Ion	Ratio	Lower Upper
82	100	
128	37.8	30.5 45.7
54	54.6	44.6 66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampleId :

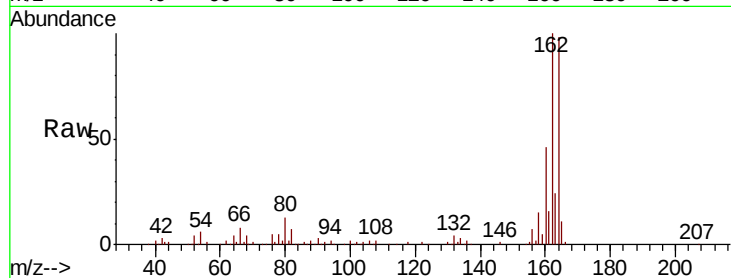
Tot Ion:164 Resp: 129392

Ion Ratio Lower Upper

164 100

162 102.4 83.0 124.4

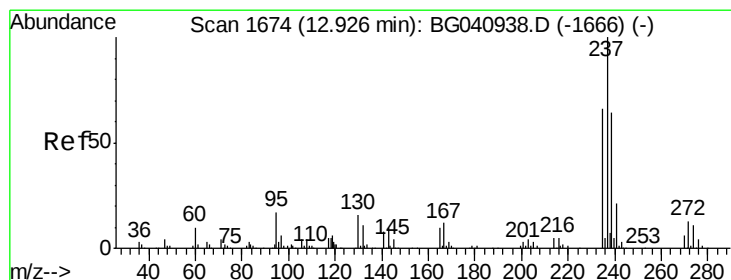
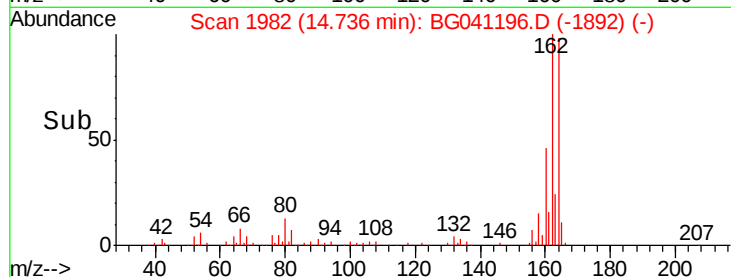
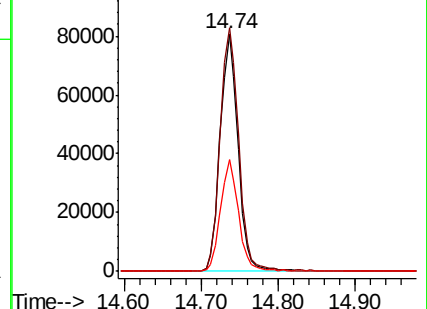
160 47.2 35.6 53.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.257 ng

RT: 13.09 min Scan# 1702

Delta R.T. 0.19 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

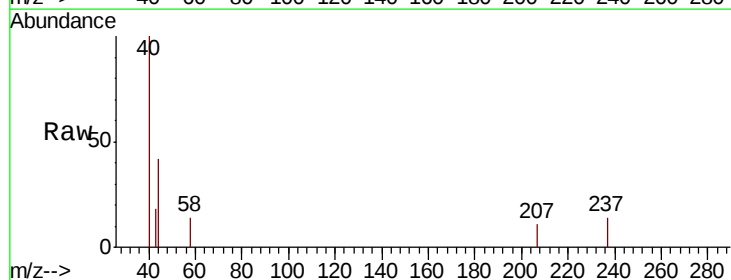
Tgt Ion:237 Resp: 67

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

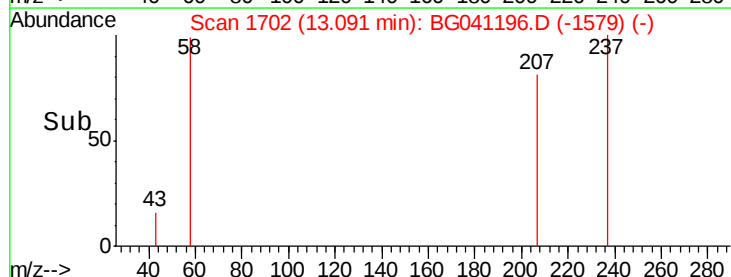
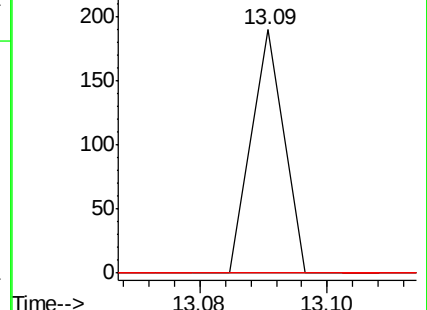
272 0.0 0.0 32.9

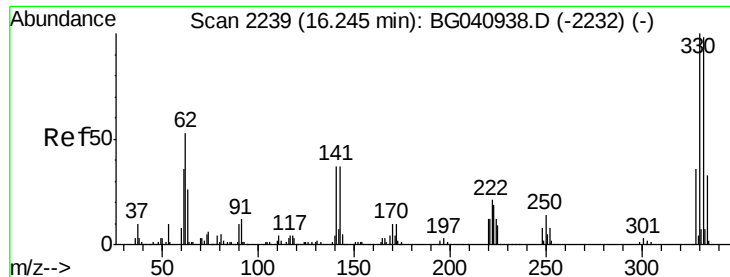


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

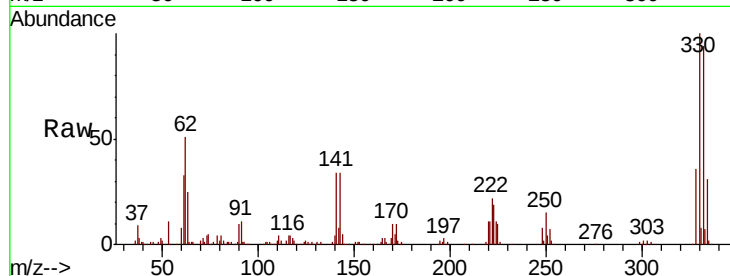




#42
 2,4,6-Tribromophenol
 Concen: 135.899 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041196.D
 Acq: 11 Jun 2019 19:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.5	117.7
141	35.6	28.7	43.1

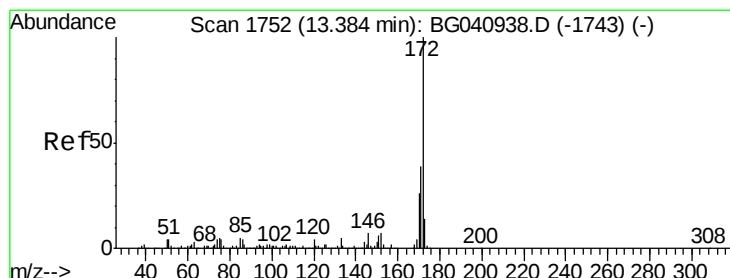
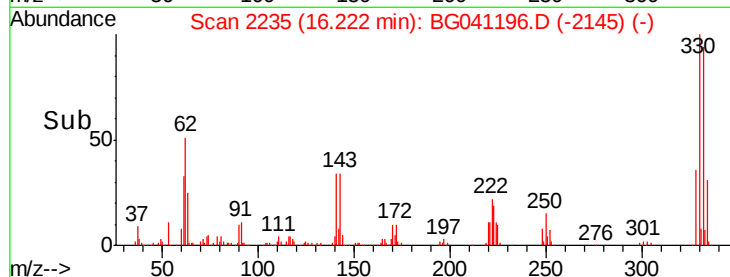
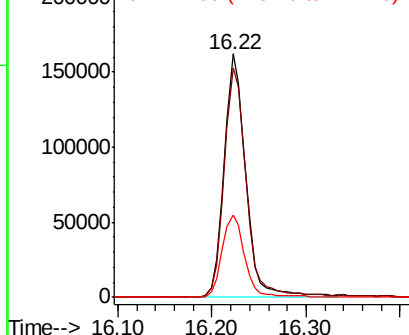


Abundance

Ion 329.80 (329.50 to 330.50): E

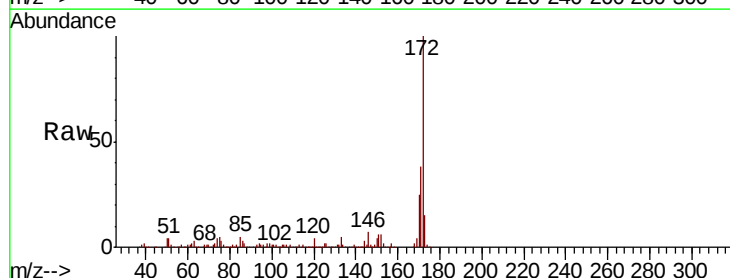
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.541 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041196.D
 Acq: 11 Jun 2019 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.1	46.7
170	25.1	20.5	30.7

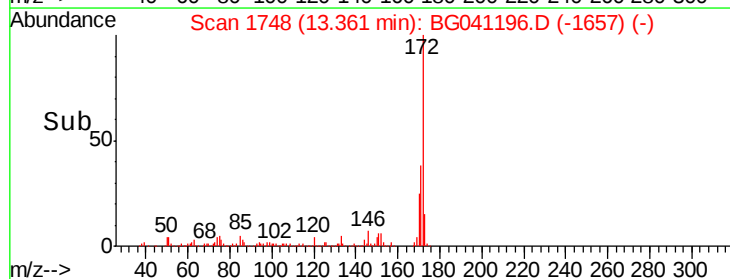
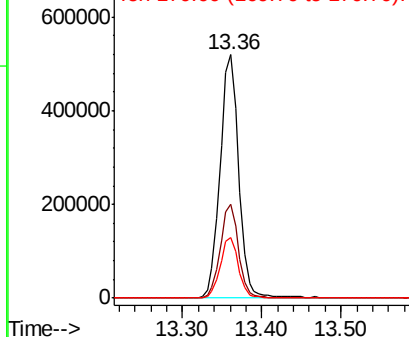


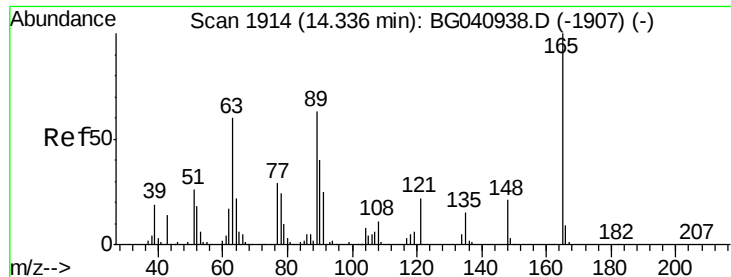
Abundance

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

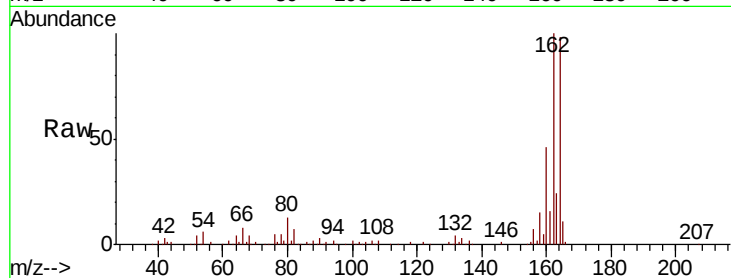




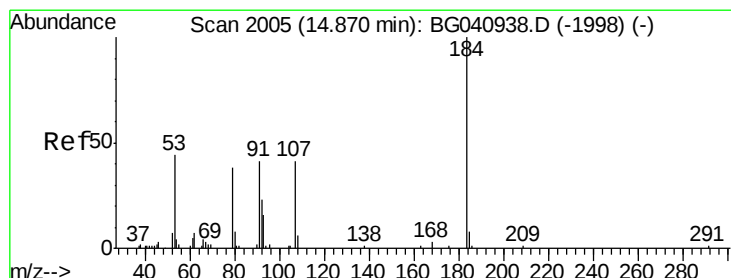
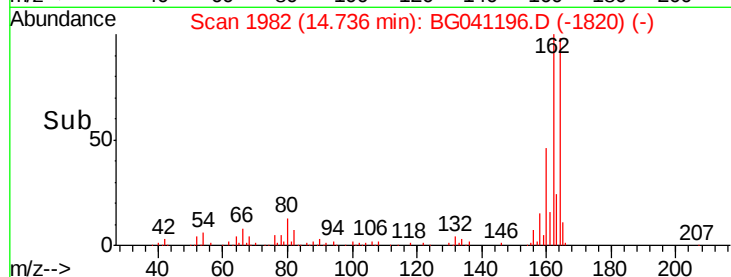
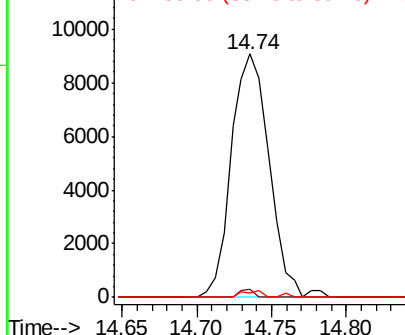
#51
 2,6-Dinitrotoluene
 Concen: 6.817 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. 0.42 min
 Lab File: BG041196.D
 Acq: 11 Jun 2019 19:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.2	53.6	80.4#
89	1.7	50.4	75.6#

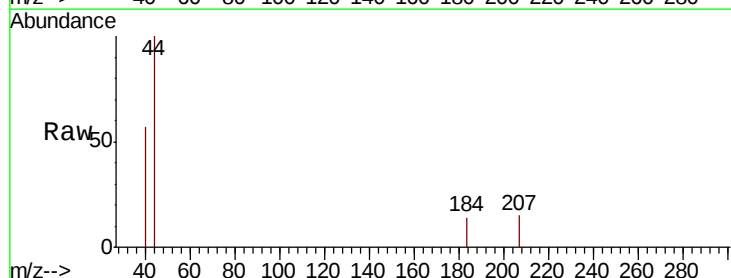


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

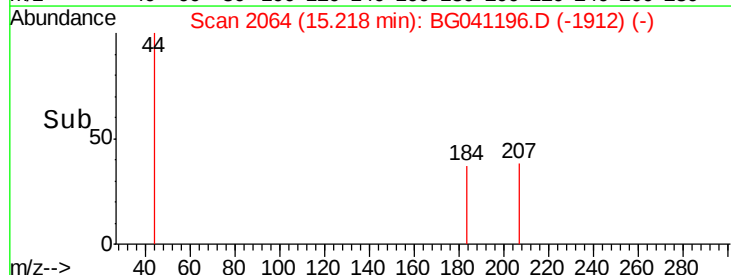
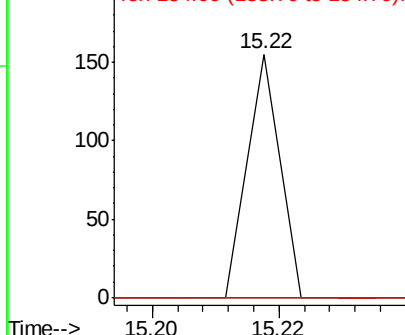


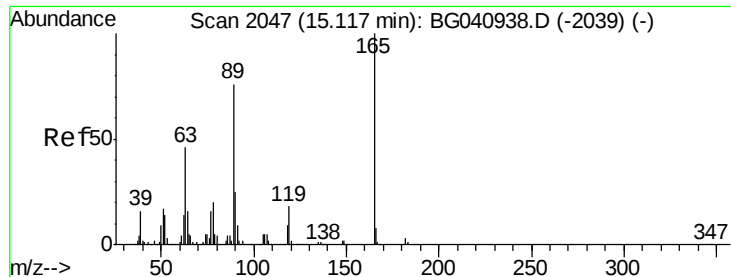
#54
 2,4-Dinitrophenol
 Concen: 8.307 ng
 RT: 15.22 min Scan# 2064
 Delta R.T. 0.36 min
 Lab File: BG041196.D
 Acq: 11 Jun 2019 19:55

Tgt 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): BG0
 Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 4.826 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16099

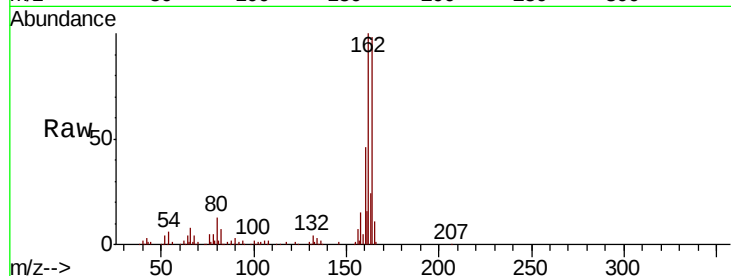
Ion Ratio Lower Upper

165 100

63 3.2 37.3 55.9#

89 1.7 61.0 91.6#

182 0.0 2.2 3.2#

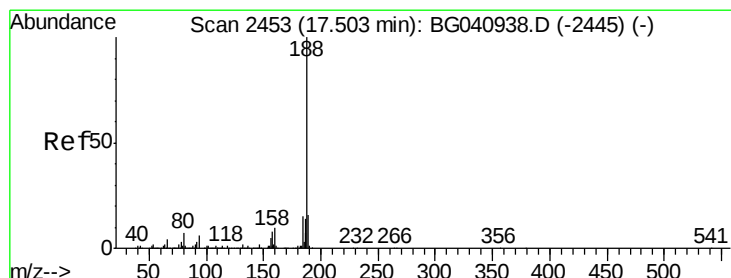
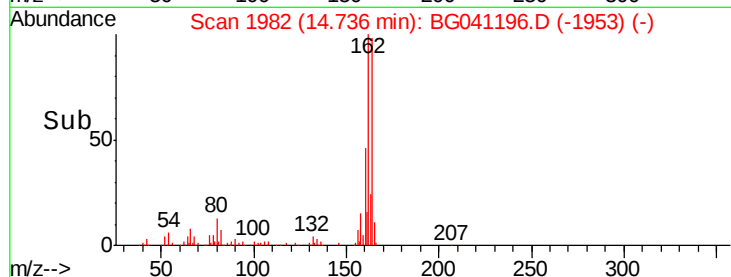
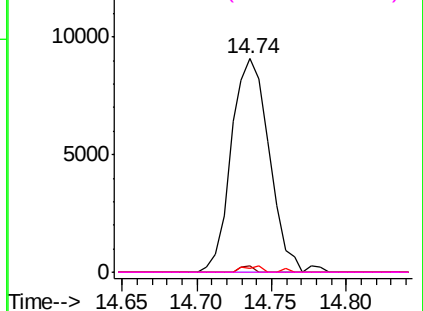


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041196.D

Acq: 11 Jun 2019 19:55

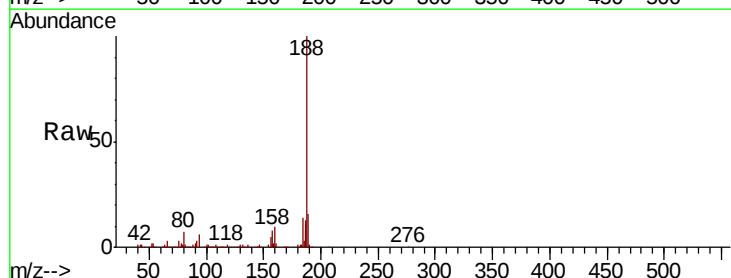
Tgt Ion:188 Resp: 322593

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

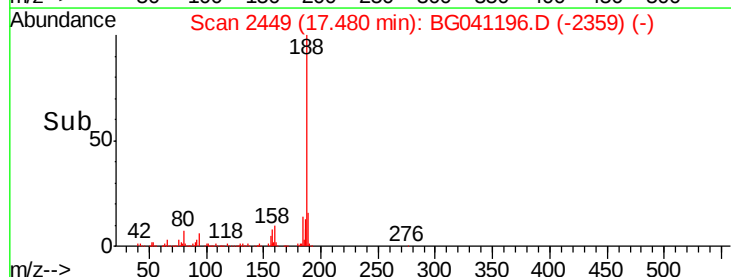
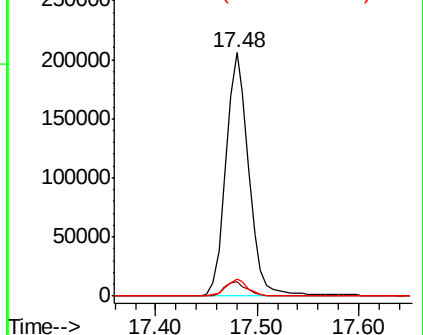
80 6.8 5.8 8.8

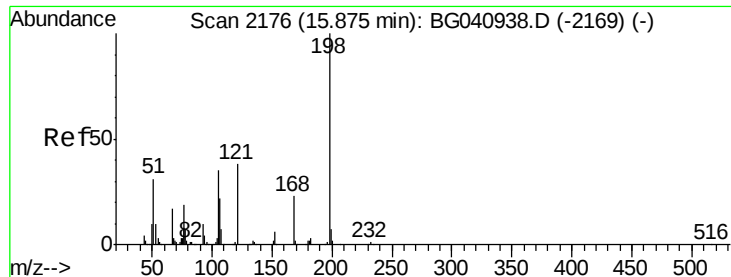


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.948 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.36 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampleId :

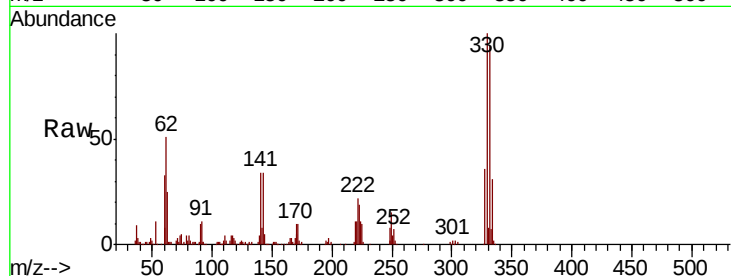
Tot Ion:198 Resp: 754

Ion Ratio Lower Upper

198 100

51 130.4 21.6 61.6#

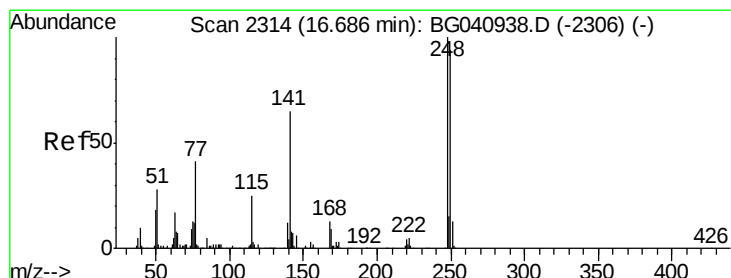
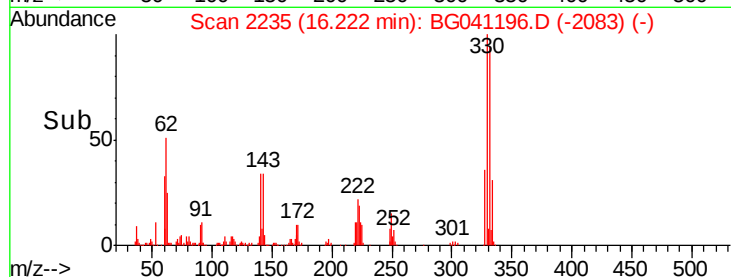
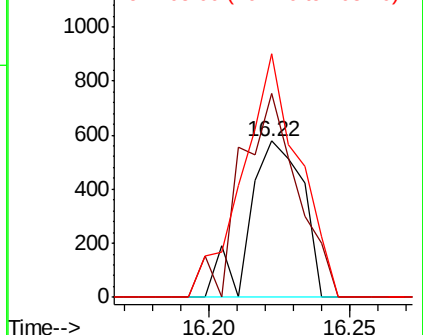
105 155.7 17.5 57.5#



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: 4.454 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

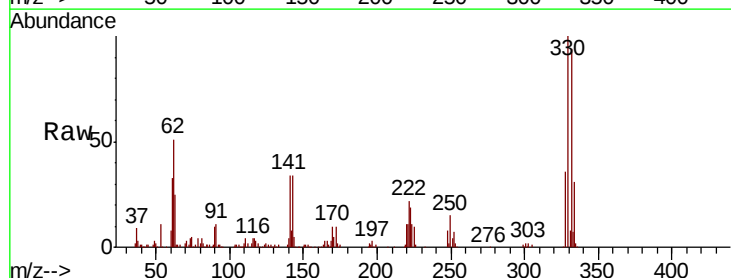
Tgt Ion:248 Resp: 19392

Ion Ratio Lower Upper

248 100

250 186.1 75.0 112.4#

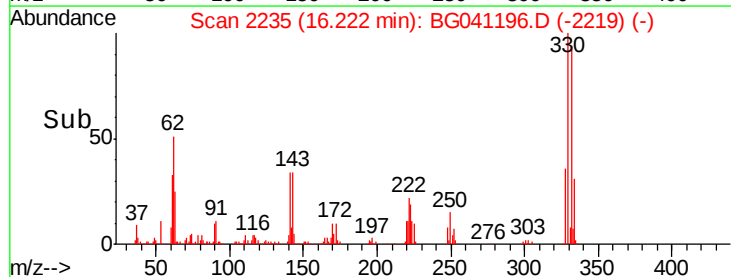
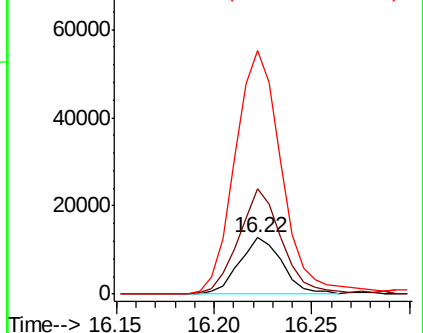
141 431.7 52.4 78.6#

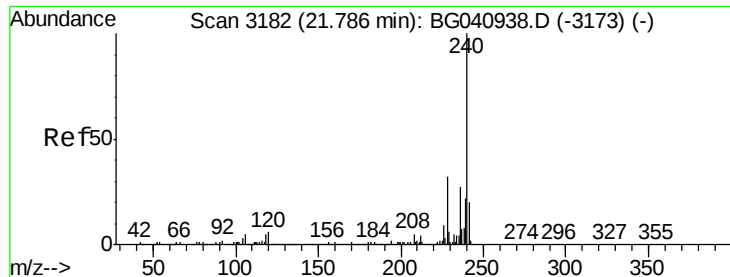


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampleId :

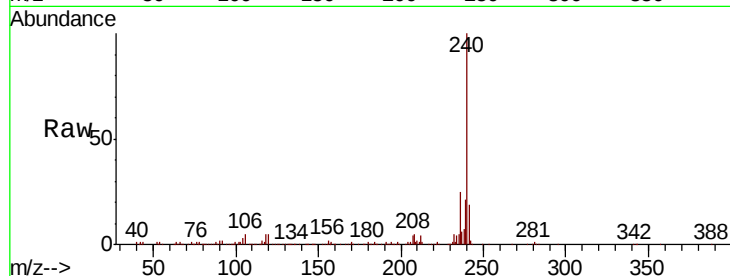
Tot Ion:240 Resp: 318044

Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

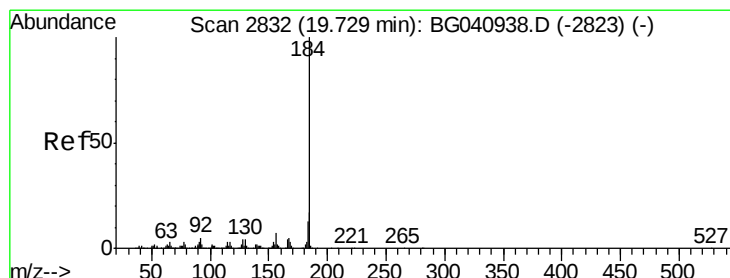
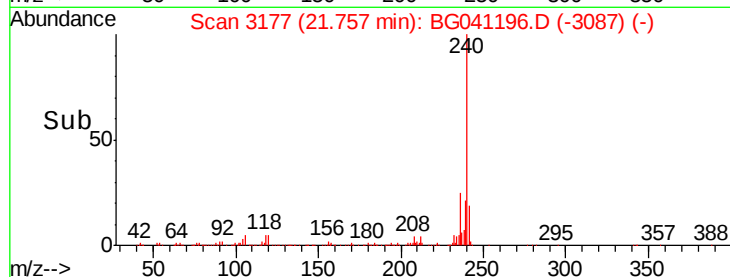
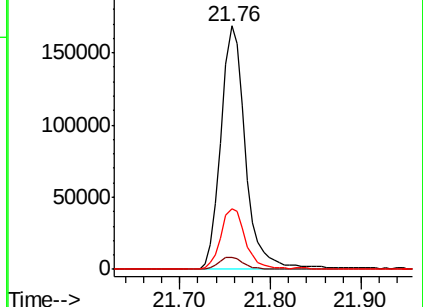
236 25.1 21.3 31.9



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: 3.296 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

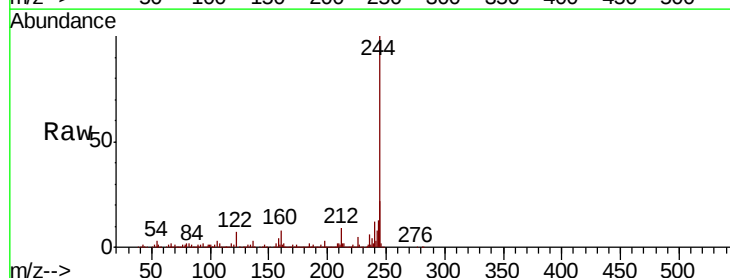
Tgt Ion:184 Resp: 25005

Ion Ratio Lower Upper

184 100

185 16.0 13.3 19.9

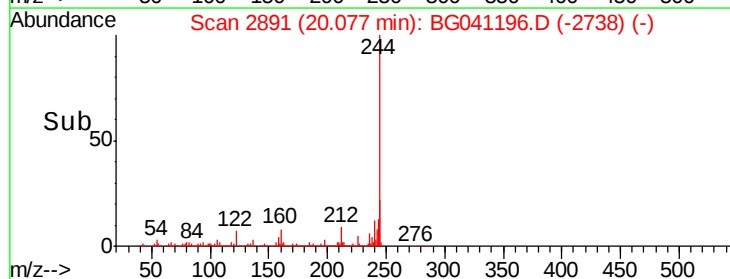
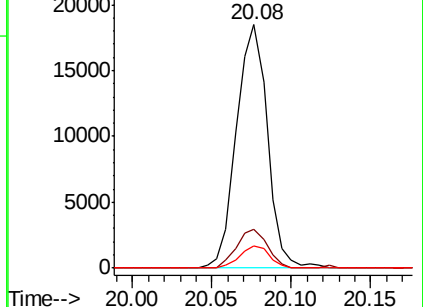
183 9.4 10.7 16.1#

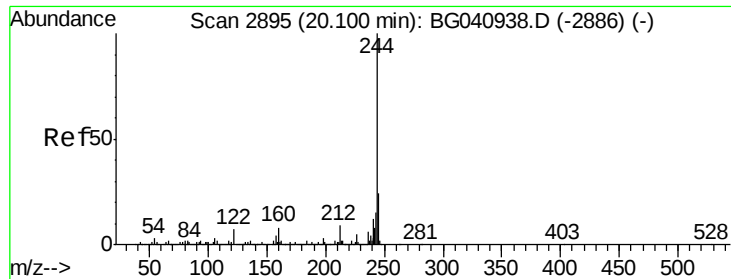


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.062 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

Instrument :

BNA_G

ClientSampled :

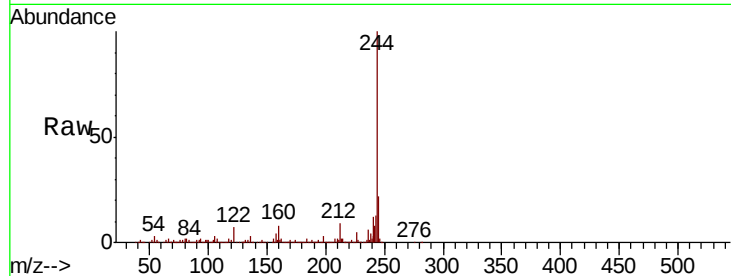
Tot Ion:244 Resp: 1484489

Ion Ratio Lower Upper

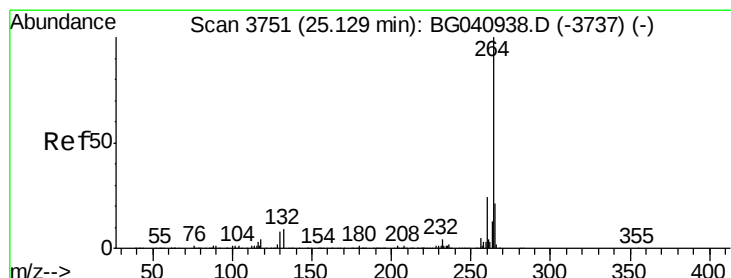
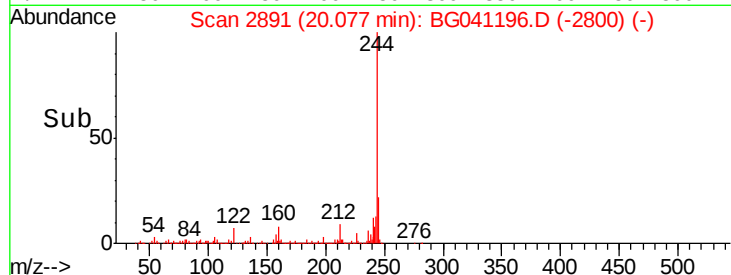
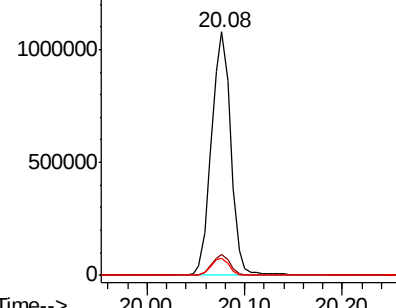
244 100

212 8.7 7.0 10.4

122 7.2 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# 3744

Delta R.T. 0.00 min

Lab File: BG041196.D

Acq: 11 Jun 2019 19:55

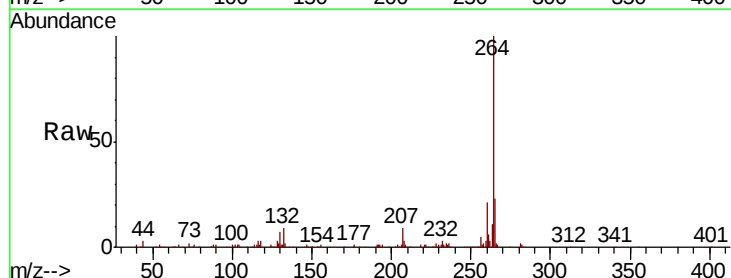
Tgt Ion:264 Resp: 292308

Ion Ratio Lower Upper

264 100

260 21.0 19.0 28.4

265 22.7 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

