

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041011.D
 Acq On : 1 Jun 2019 14:16
 Operator : HP/JU
 Sample : K3088-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-4

Quant Time: Jun 03 01:12:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60419	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	242744	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	173607	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	426317	20.00	ng	0.00
76) Chrysene-d12	21.77	240	422481	20.00	ng	-0.01
87) Perylene-d12	25.11	264	448135	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	227837	68.00	ng	0.00
7) Phenol-d6	7.26	99	210902	40.76	ng	0.00
23) Nitrobenzene-d5	9.30	82	486911	89.05	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	344238	133.56	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1080640	89.64	ng	-0.01
79) Terphenyl-d14	20.09	244	1815284	91.19	ng	-0.01

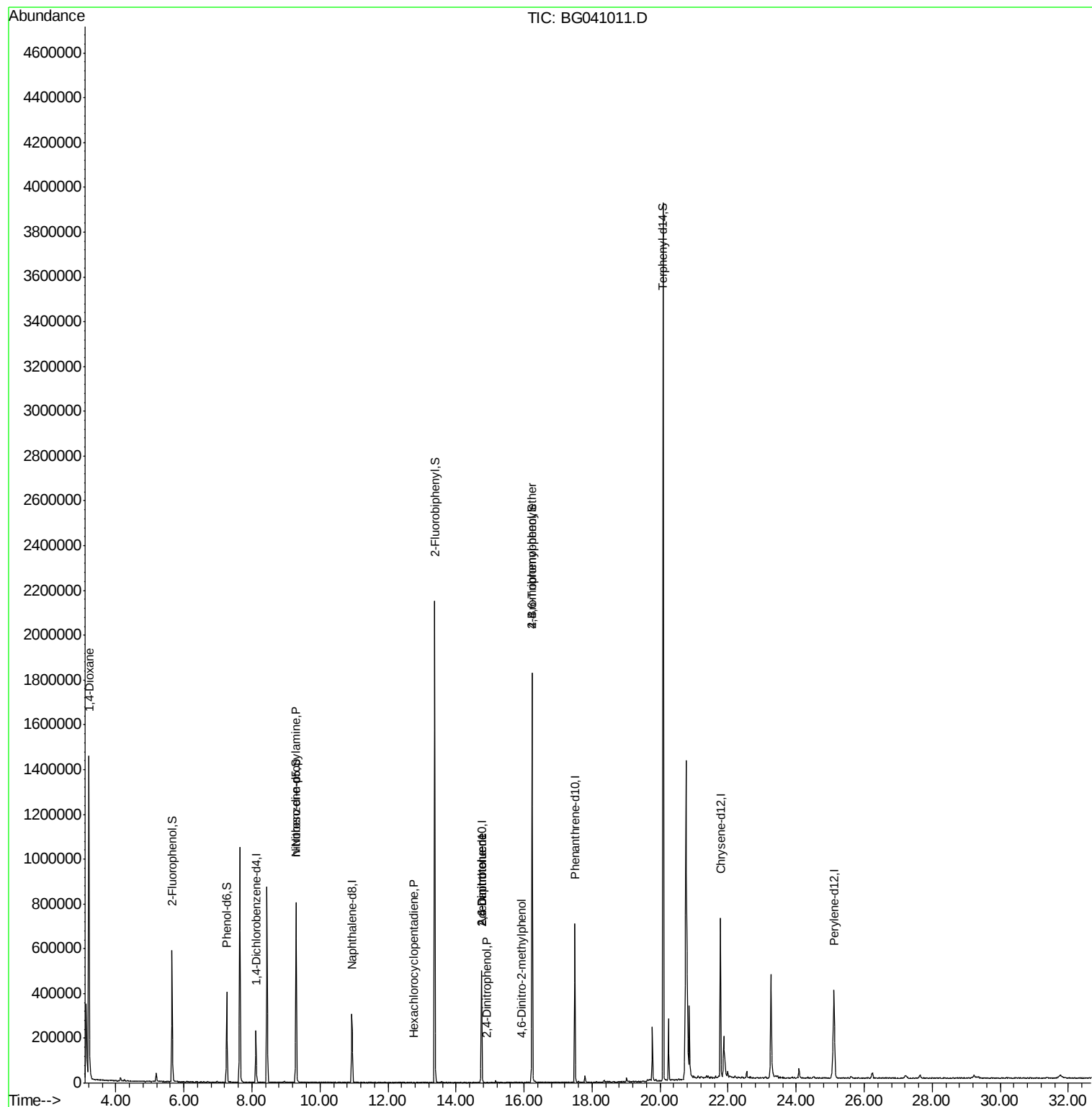
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	15425	10.145	ng	# 1
19) n-Nitroso-di-n-propylamine	9.29	70	71126	17.861	ng	# 75
41) Hexachlorocyclopentadiene	12.75	237	55	8.248	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	22442	7.083	ng	# 20
54) 2,4-Dinitrophenol	14.89	184	59	8.295	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22442	5.014	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.93	198	56	8.610	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	25504	4.433	ng	# 1

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

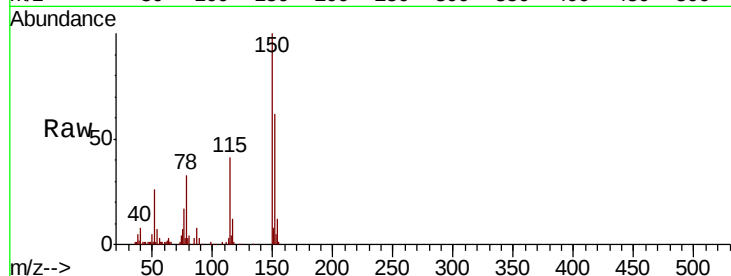
Tot Ion:152 Resp: 60419

Ion Ratio Lower Upper

152 100

150 160.4 120.6 180.8

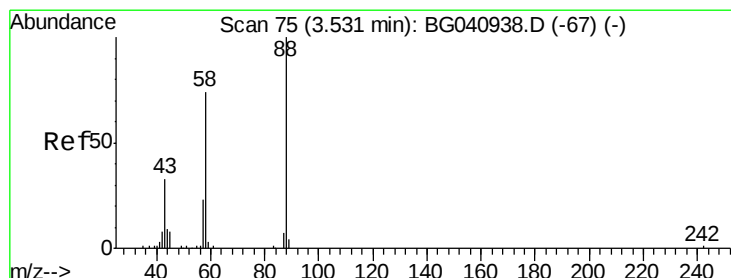
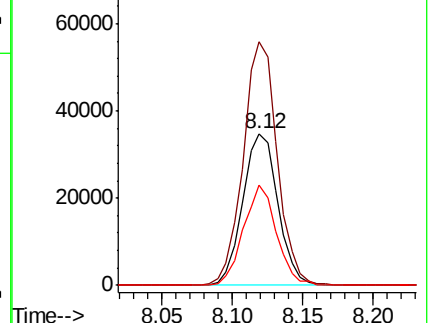
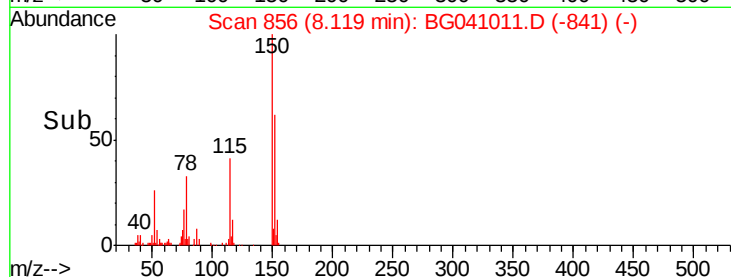
115 65.8 45.1 67.7



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



#2

1,4-Dioxane

Concen: 10.145 ng

RT: 3.21 min Scan# 20

Delta R.T. -0.32 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

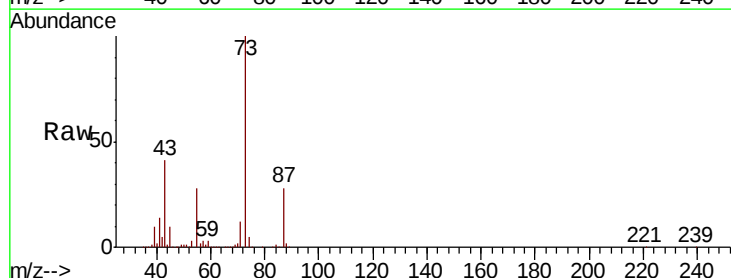
Tgt Ion: 88 Resp: 15425

Ion Ratio Lower Upper

88 100

58 41.1 59.0 88.6#

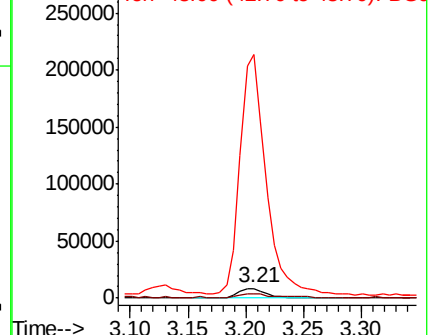
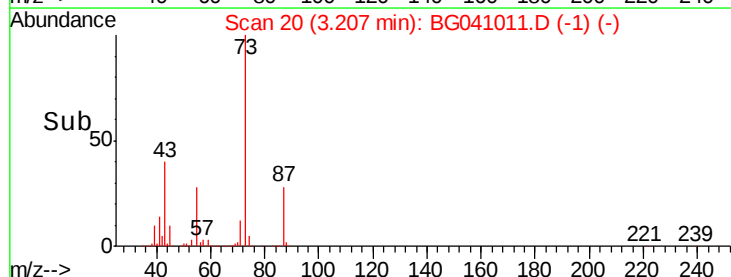
43 2162.7 27.2 40.8#

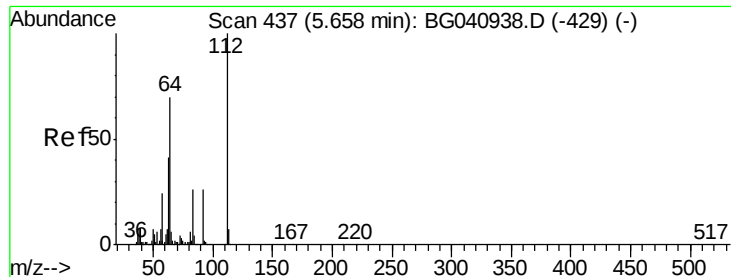


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 67.998 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

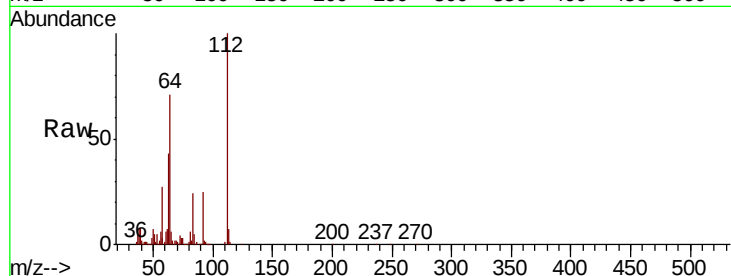
Tot Ion:112 Resp: 227837

Ion Ratio Lower Upper

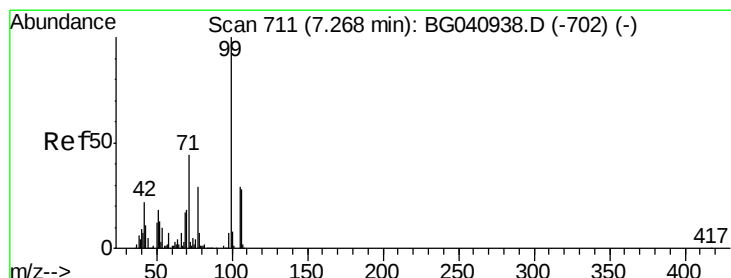
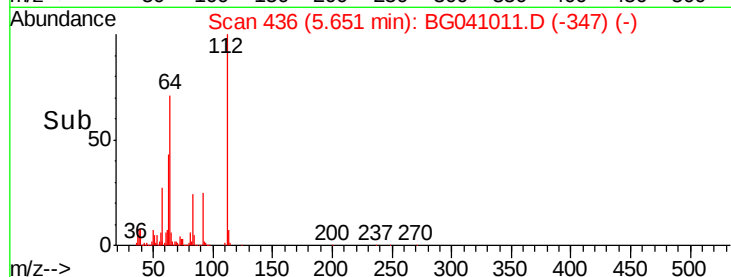
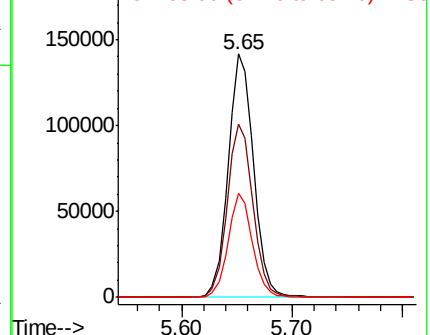
112 100

64 71.0 56.2 84.2

63 43.0 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 40.756 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

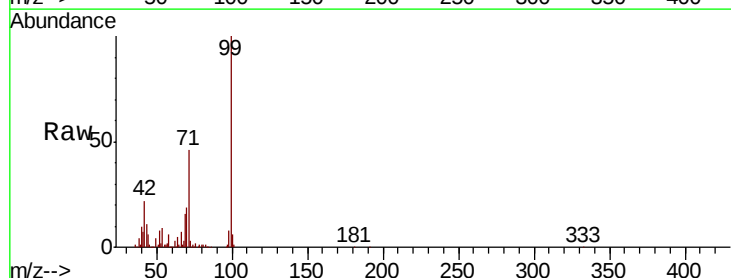
Tgt Ion: 99 Resp: 210902

Ion Ratio Lower Upper

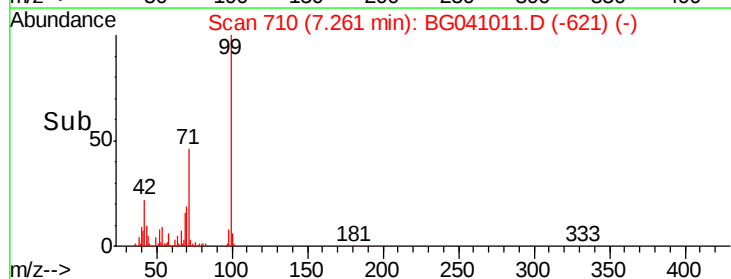
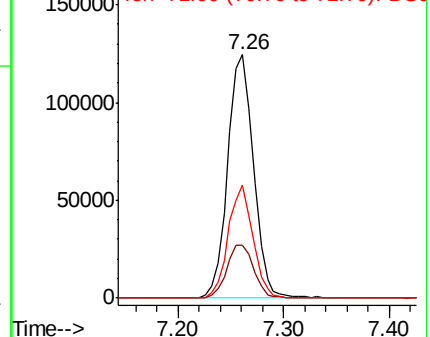
99 100

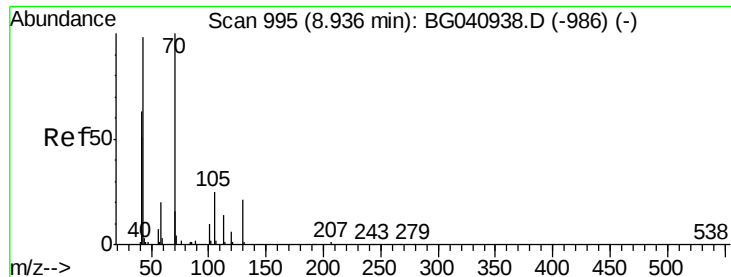
42 21.9 17.9 26.9

71 46.2 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: 17.861 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

Tot Ion: 70 Resp: 71126

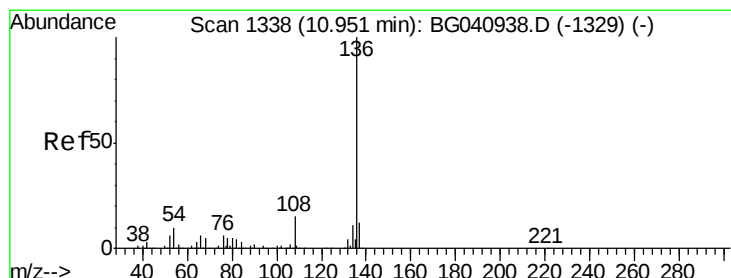
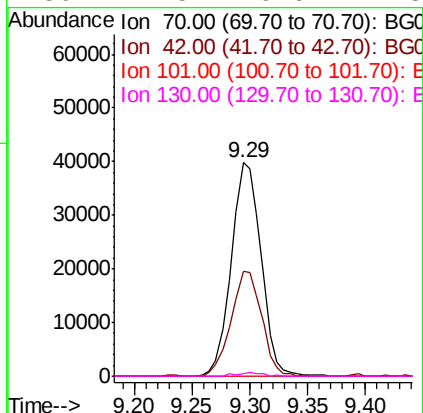
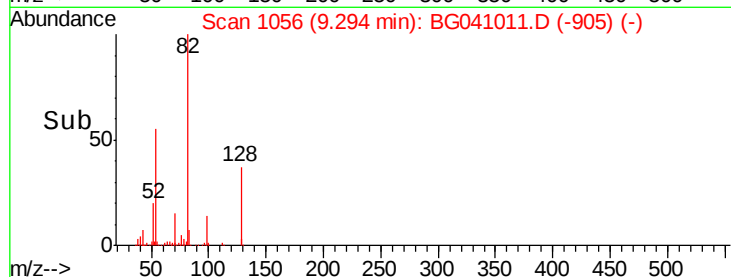
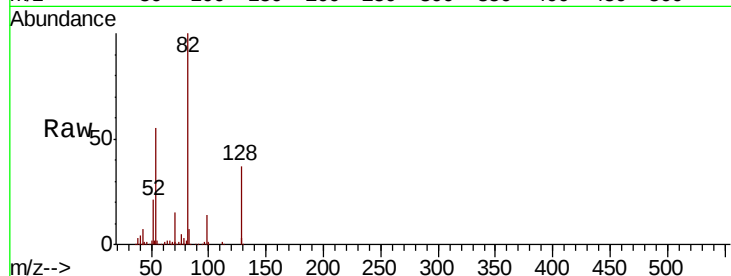
Ion Ratio Lower Upper

70 100

42 49.0 51.5 77.3#

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Tgt Ion: 136 Resp: 242744

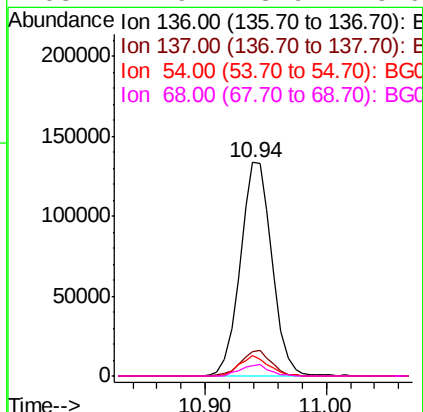
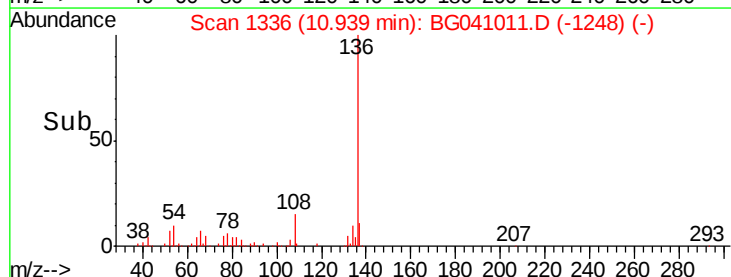
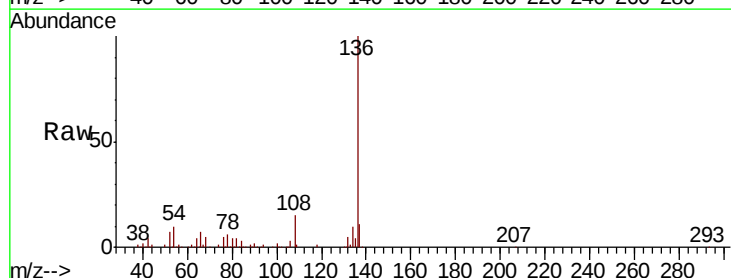
Ion Ratio Lower Upper

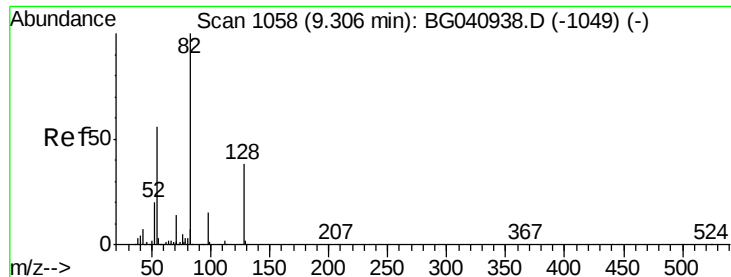
136 100

137 11.5 9.5 14.3

54 9.6 7.6 11.4

68 4.9 3.9 5.9

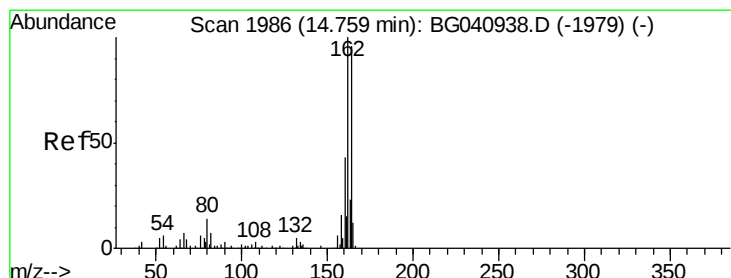
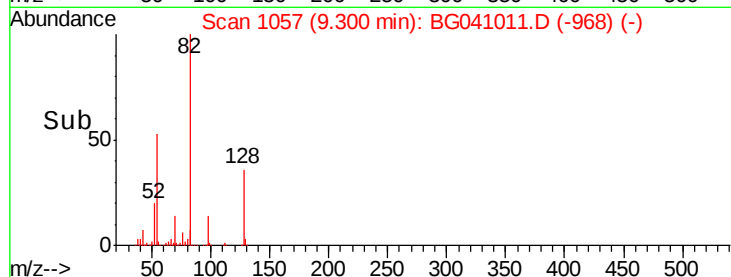
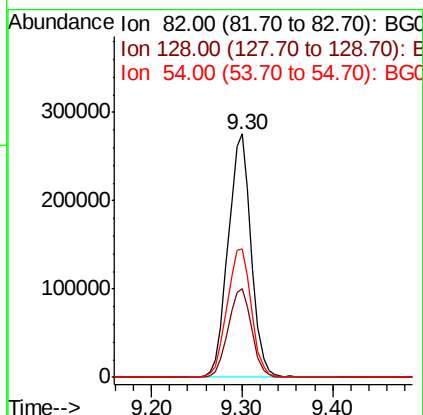
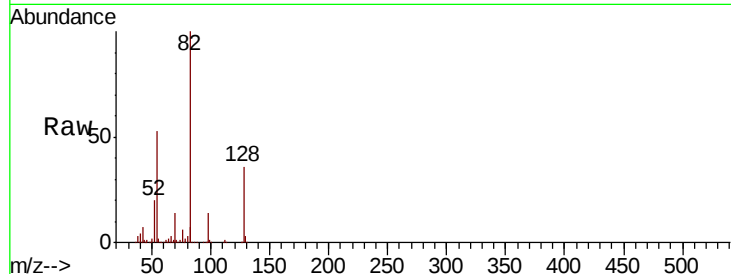




#23
 Nitrobenzene-d5
 Concen: 89.048 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG041011.D
 Acq: 1 Jun 2019 14:16

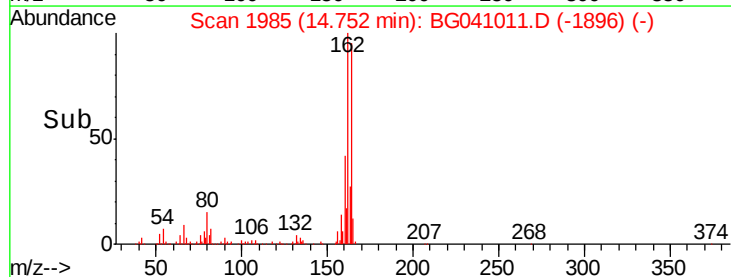
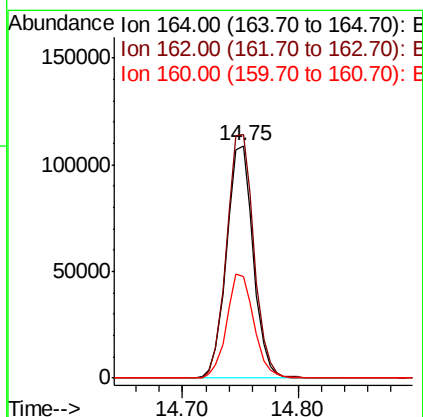
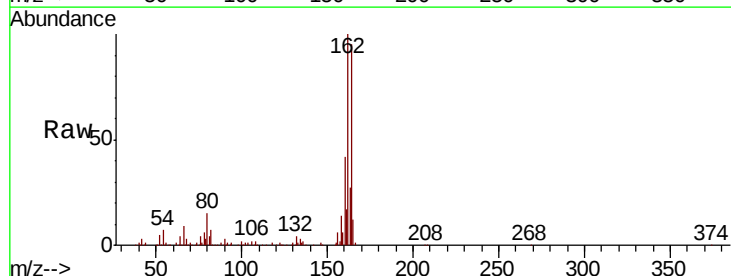
Instrument :
 BNA_G
 ClientSampleId :
 W-4

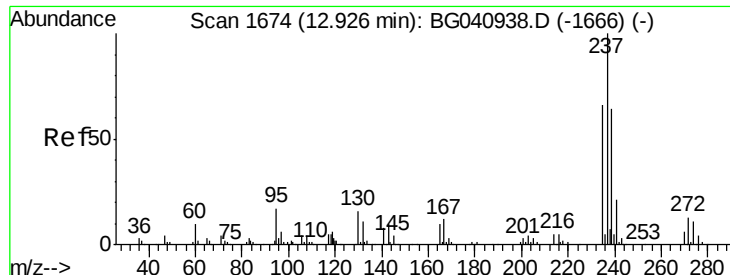
Tot Ion	82	Resp	486911
Ion Ratio	Lower	Upper	
82	100		
128	36.5	30.5	45.7
54	52.9	44.6	66.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BG041011.D
 Acq: 1 Jun 2019 14:16

Tgt Ion	164	Resp	173607
Ion Ratio	Lower	Upper	
164	100		
162	104.7	83.0	124.4
160	43.8	35.6	53.4





#41

Hexachlorocyclopentadiene

Concen: 8.248 ng

RT: 12.75 min Scan# 1645

Delta R.T. -0.17 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampled :

W-4

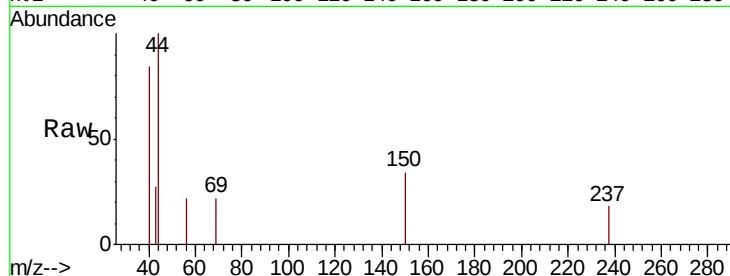
Tot Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

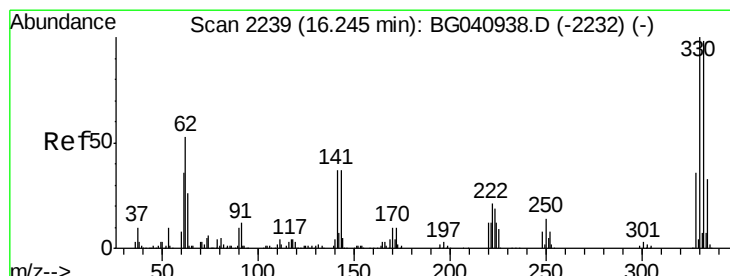
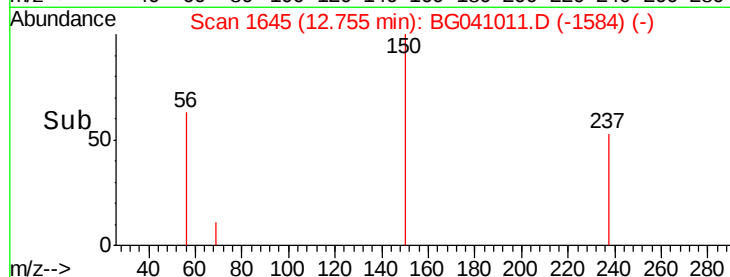
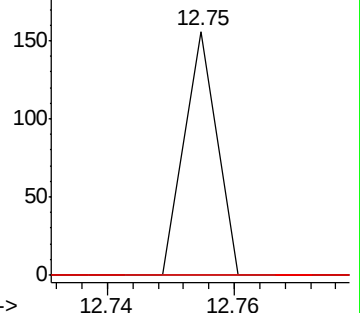
272 0.0 0.0 32.9



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: 133.564 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

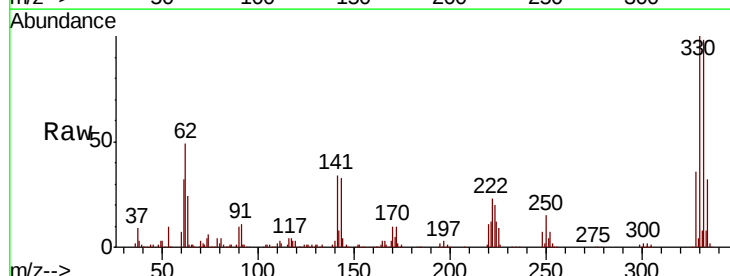
Tgt Ion:330 Resp: 344238

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

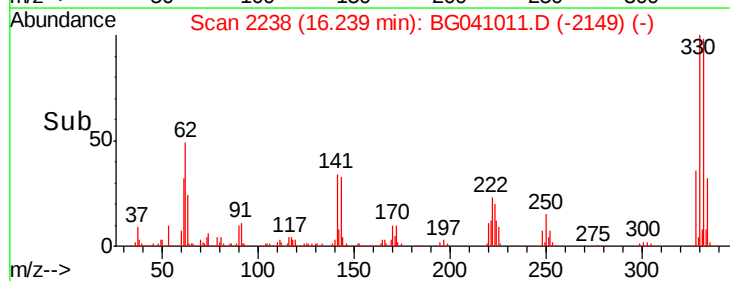
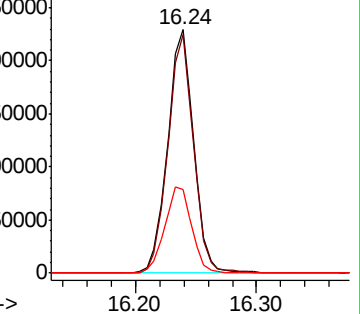
141 36.7 28.7 43.1

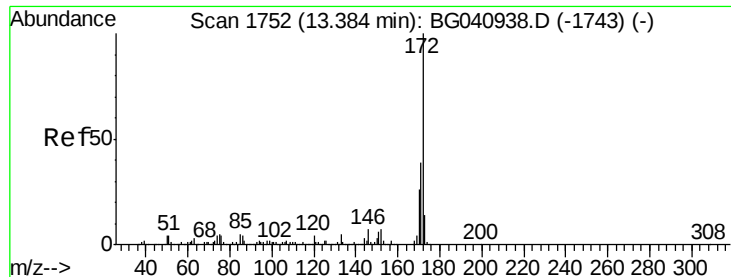


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

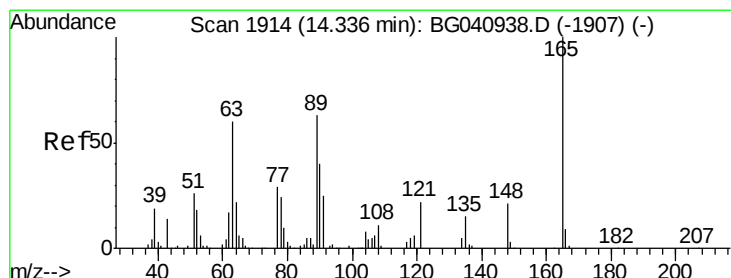
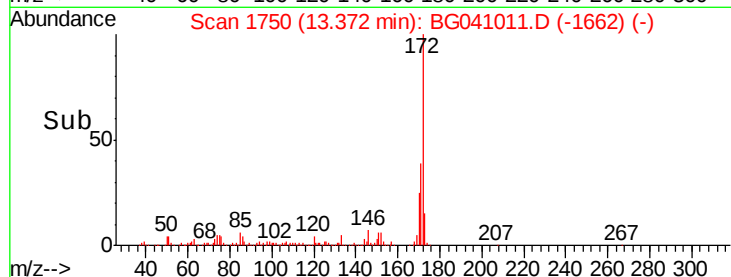
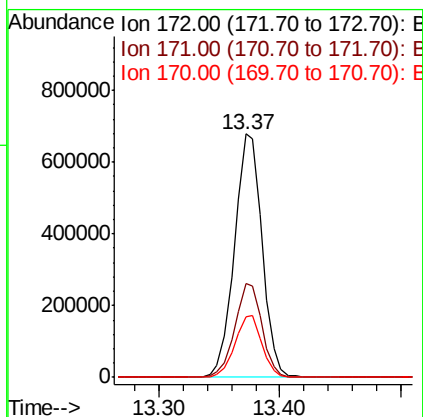
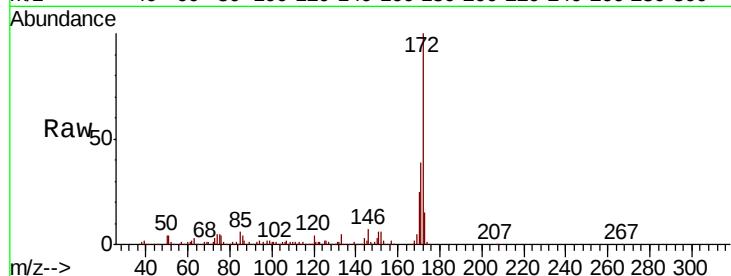




#45
2-Fluorobiphenyl
Concen: 89.641 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041011.D
Acq: 1 Jun 2019 14:16

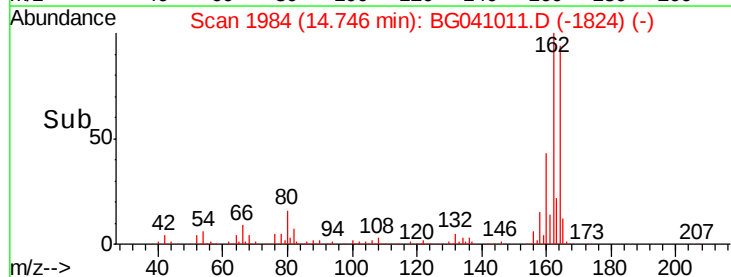
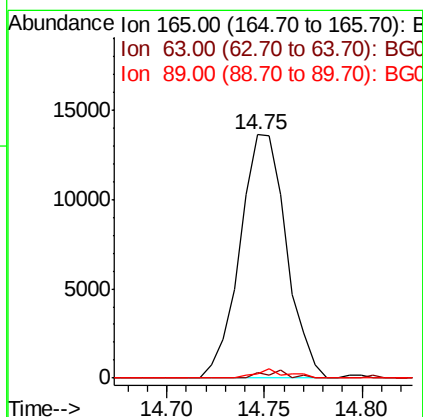
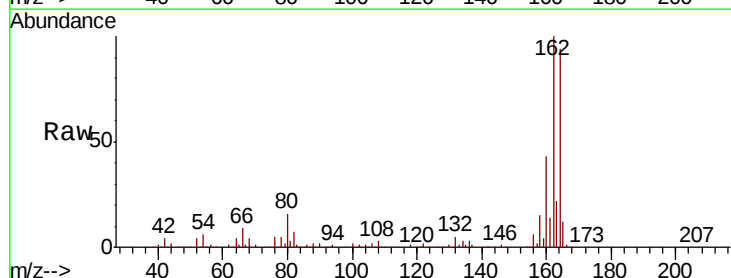
Instrument :
BNA_G
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W-4

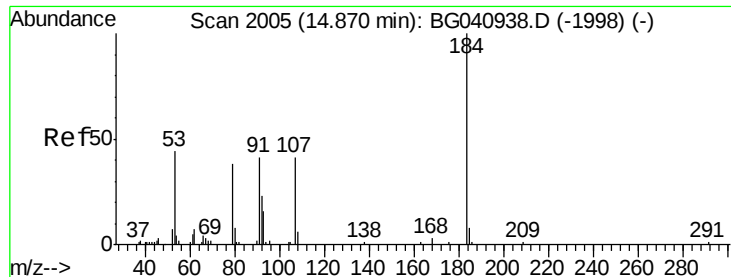
Tot Ion:172 Resp: 1080640
Ion Ratio Lower Upper
172 100
171 38.6 31.1 46.7
170 24.8 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.083 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.41 min
Lab File: BG041011.D
Acq: 1 Jun 2019 14:16

Tgt Ion:165 Resp: 22442
Ion Ratio Lower Upper
165 100
63 2.2 53.6 80.4#
89 1.7 50.4 75.6#





#54

2,4-Dinitrophenol

Concen: 8.295 ng

RT: 14.89 min Scan# 2009

Delta R.T. 0.02 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

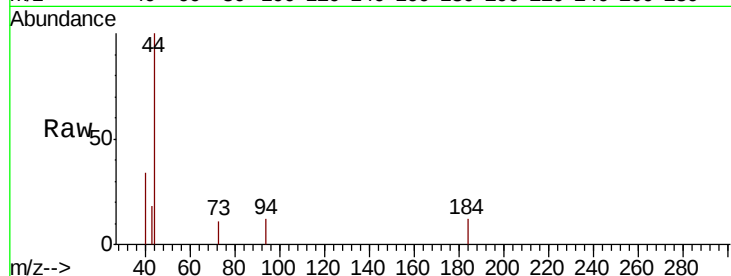
Tot Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

154 0.0 52.2 78.4#

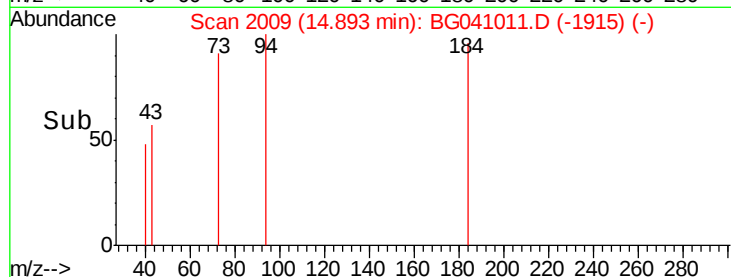


Abundance Ion 184.00 (183.70 to 184.70): E

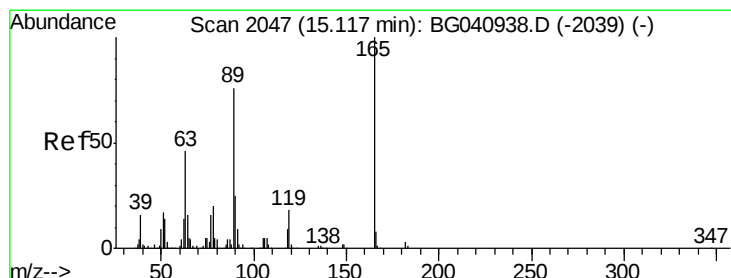
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.89



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.014 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Tgt Ion:165 Resp: 22442

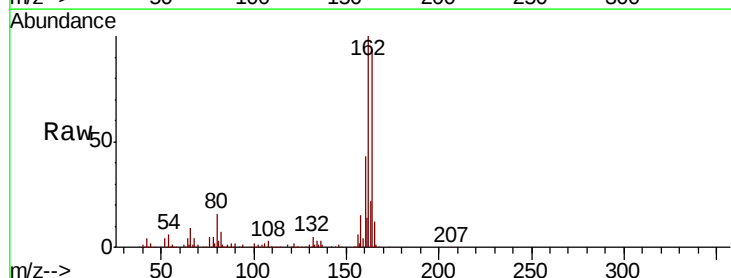
Ion Ratio Lower Upper

165 100

63 2.2 37.3 55.9#

89 1.7 61.0 91.6#

182 0.0 2.2 3.2#



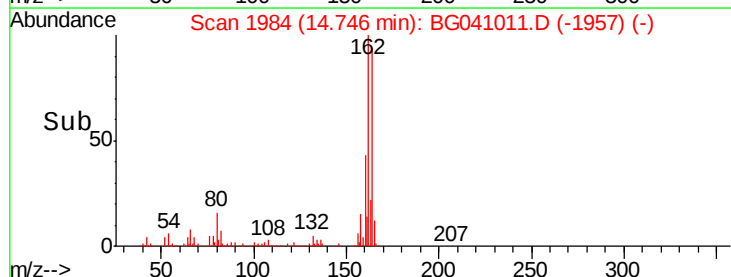
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

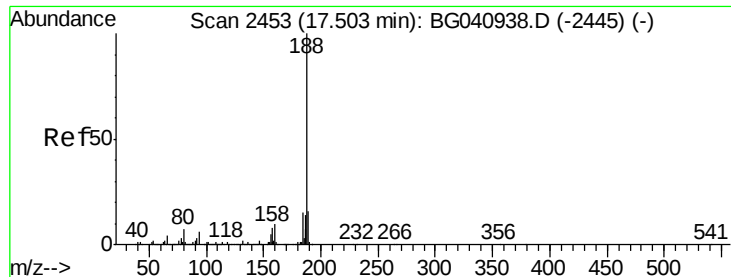
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.75



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

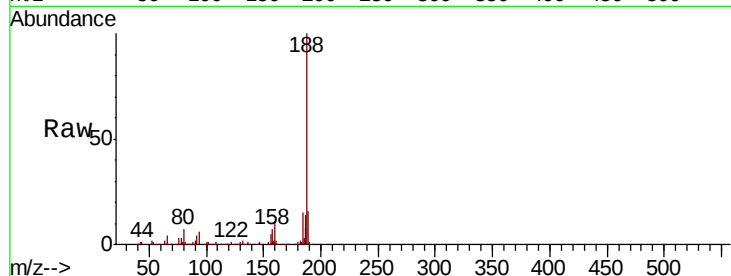
Tot Ion:188 Resp: 426317

Ion Ratio Lower Upper

188 100

94 6.3 4.7 7.1

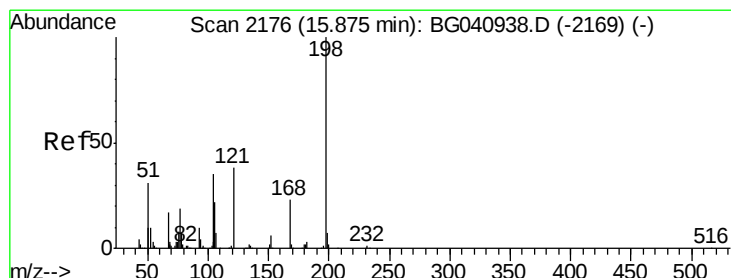
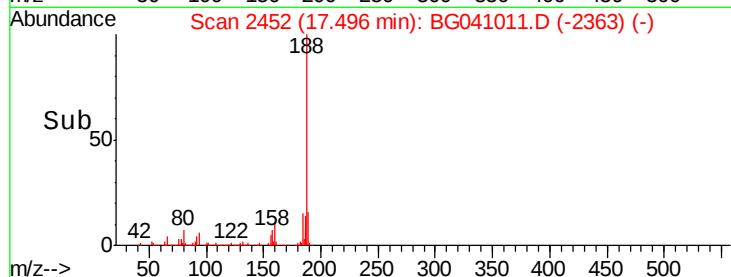
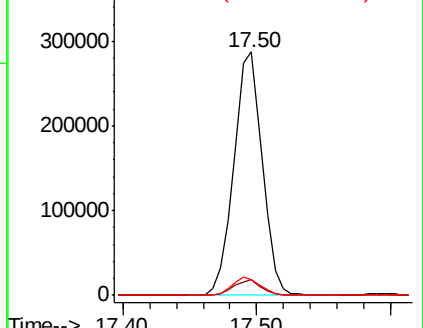
80 6.6 5.8 8.8



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: 8.610 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.06 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

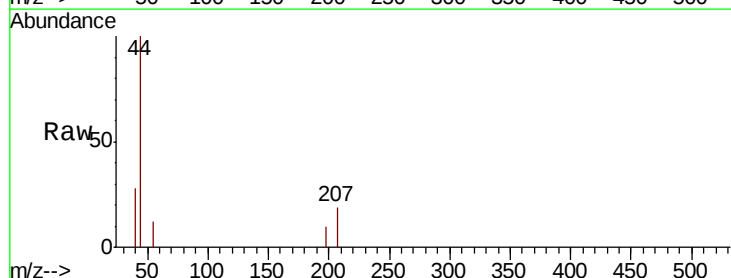
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

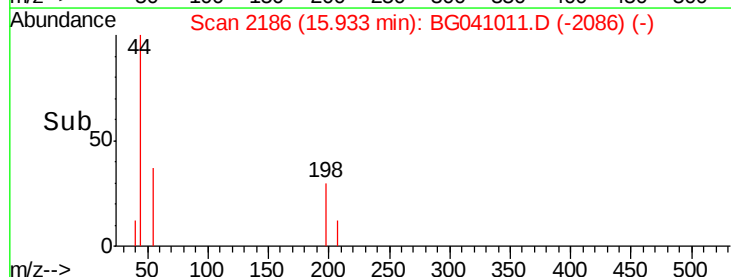
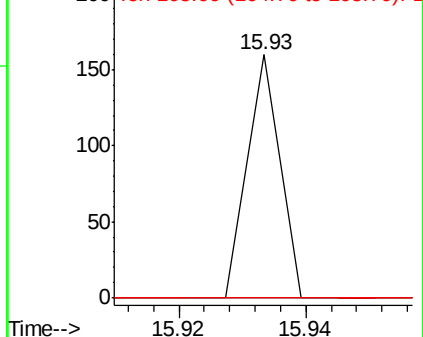
105 0.0 17.5 57.5#

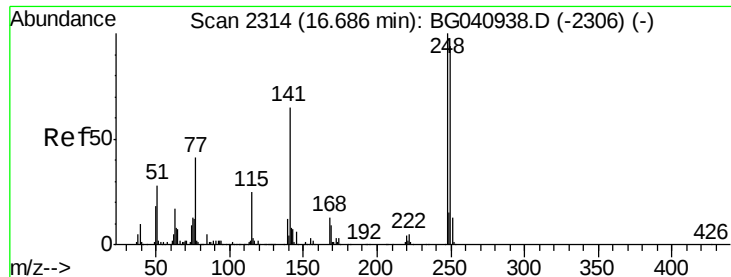


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

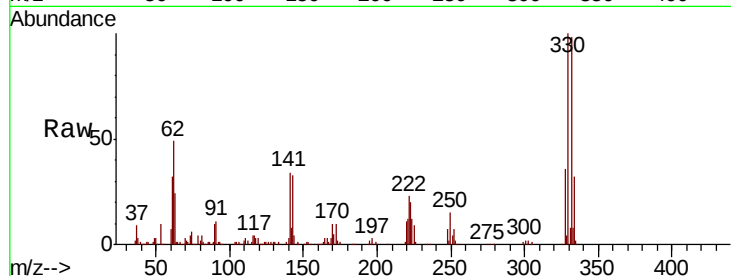




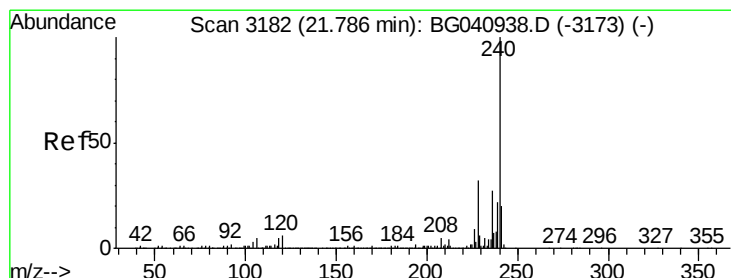
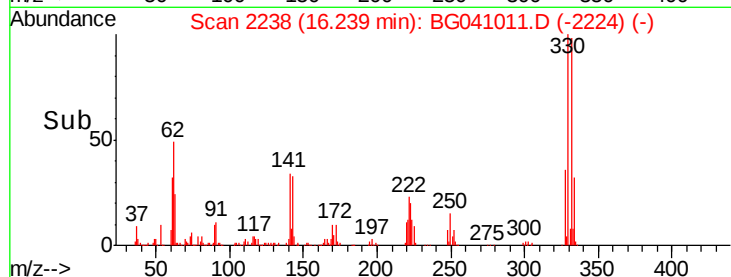
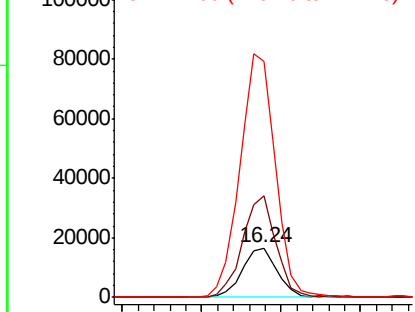
#67
4-Bromophenyl-phenylether
Concen: 4.433 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG041011.D
Acq: 1 Jun 2019 14:16

Instrument :
BNA_G
ClientSampleId :
W-4

Tot Ion:248 Resp: 25504
Ion Ratio Lower Upper
248 100
250 205.2 75.0 112.4#
141 474.6 52.4 78.6#

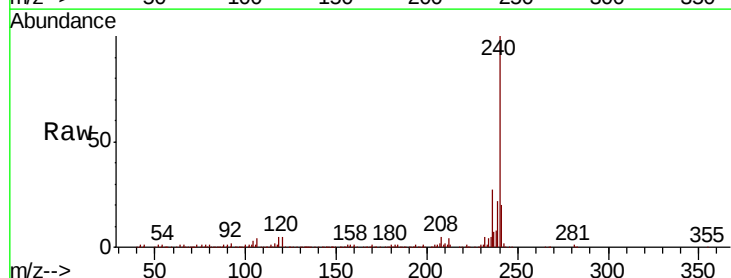


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

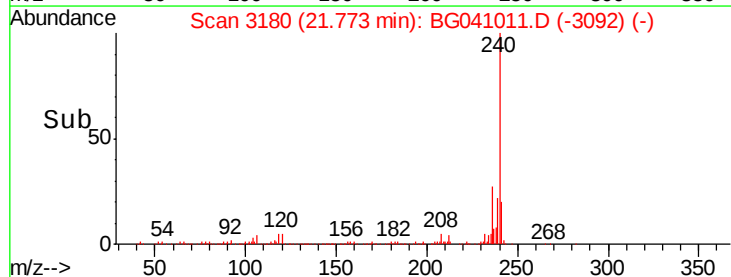
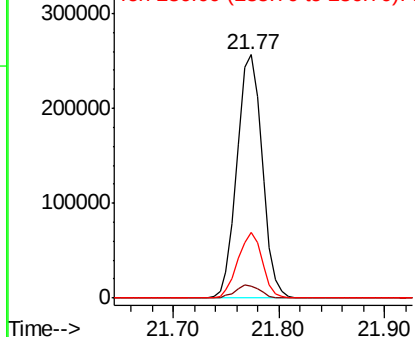


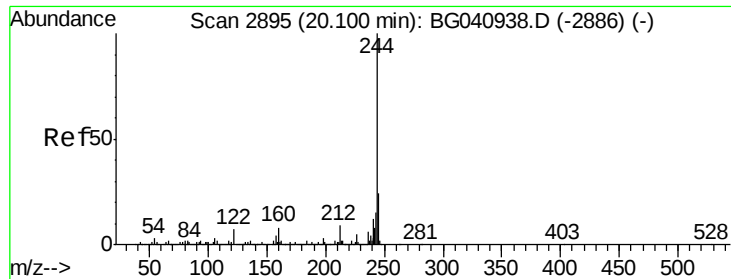
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041011.D
Acq: 1 Jun 2019 14:16

Tgt Ion:240 Resp: 422481
Ion Ratio Lower Upper
240 100
120 5.0 4.5 6.7
236 27.0 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





#79

Terphenyl-d14

Concen: 91.191 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

Instrument :

BNA_G

ClientSampleId :

W-4

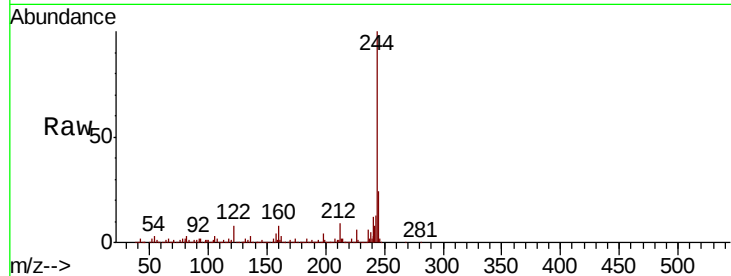
Tot Ion:244 Resp: 1815284

Ion Ratio Lower Upper

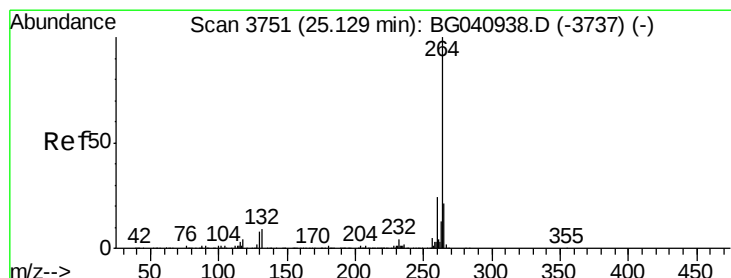
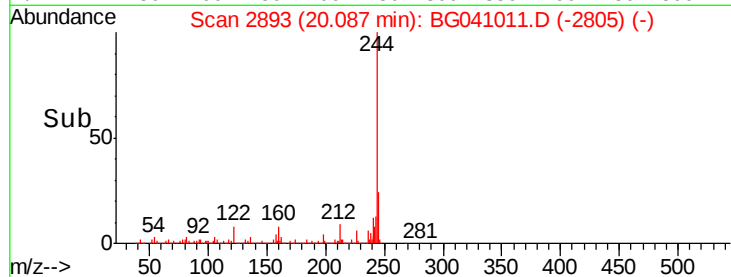
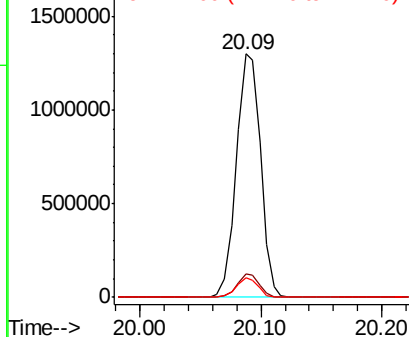
244 100

212 9.5 7.0 10.4

122 8.1 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: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG041011.D

Acq: 1 Jun 2019 14:16

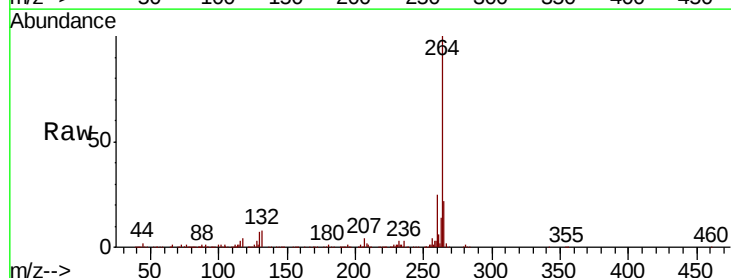
Tgt Ion:264 Resp: 448135

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.4

265 22.3 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

