

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040959.D
 Acq On : 30 May 2019 20:49
 Operator : HP/JU
 Sample : K3084-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:04:07 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	63778	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	235174	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	166884	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	448349	20.00	ng	0.00
76) Chrysene-d12	21.77	240	469904	20.00	ng	-0.01
87) Perylene-d12	25.12	264	490028	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	482744	136.49	ng	0.00
7) Phenol-d6	7.27	99	685685	125.53	ng	0.00
23) Nitrobenzene-d5	9.30	82	475417	89.74	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	355685	143.57	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	933013	80.51	ng	0.00
79) Terphenyl-d14	20.09	244	1656608	74.82	ng	0.00

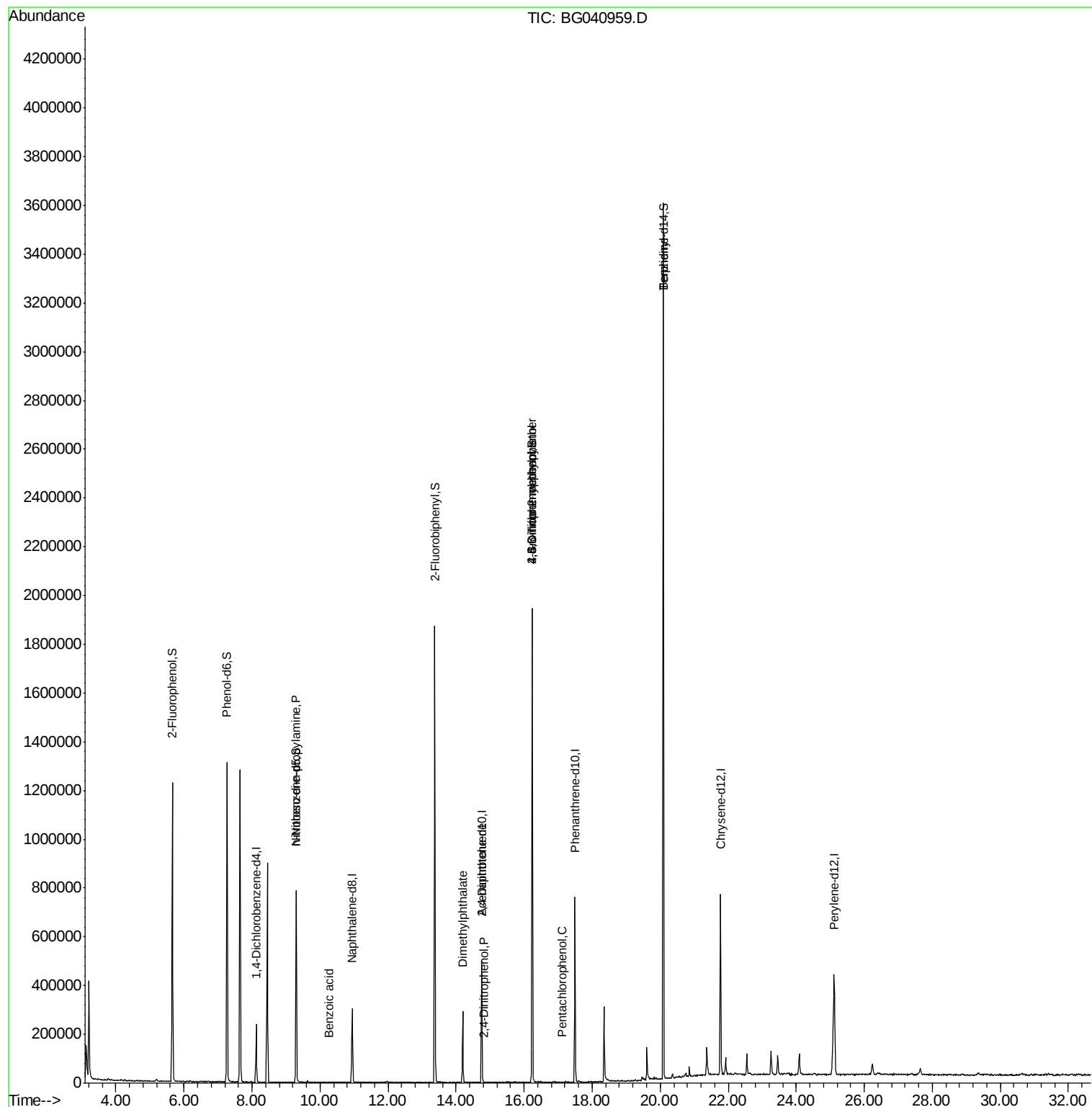
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	69199	16.462	ng	# 75
32) Benzoic acid	10.25	122	61	8.148	ng	# 1
50) Dimethylphthalate	14.19	163	186976	13.236	ng	# 99
54) 2,4-Dinitrophenol	14.83	184	59	8.297	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22648	5.264	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	1164	8.987	ng	# 7
67) 4-Bromophenyl-phenylether	16.24	248	26940	4.452	ng	# 1
70) Pentachlorophenol	17.11	266	91	4.281	ng	# 18
77) Benzidine	20.09	184	29922	2.669	ng	# 89

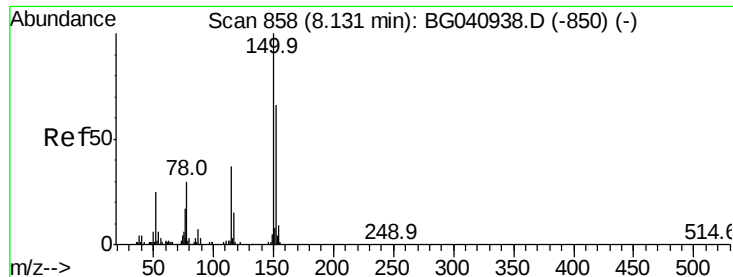
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

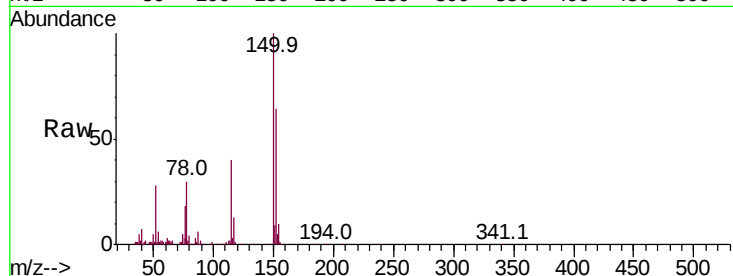
Tot Ion:152 Resp: 63778

Ion Ratio Lower Upper

152 100

150 156.2 120.6 180.8

115 63.2 45.1 67.7

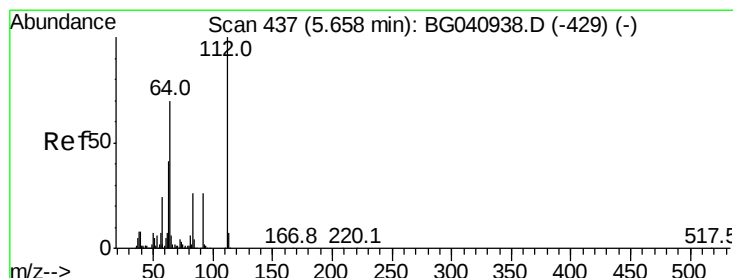
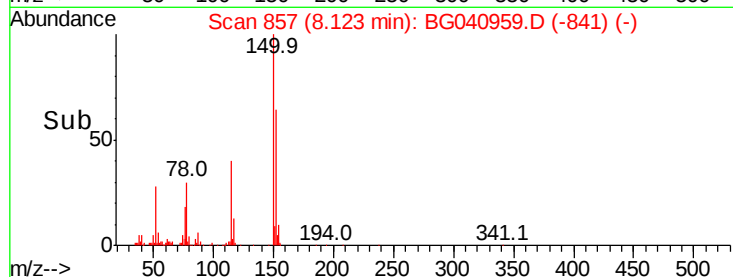
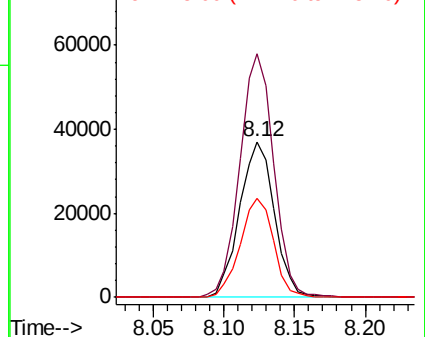


Abundance

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: 136.487 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

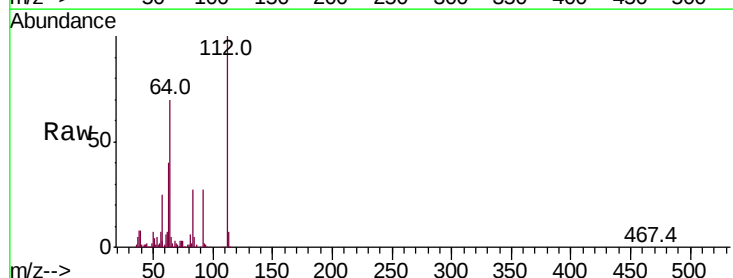
Tgt Ion:112 Resp: 482744

Ion Ratio Lower Upper

112 100

64 70.3 56.2 84.2

63 40.2 32.8 49.2

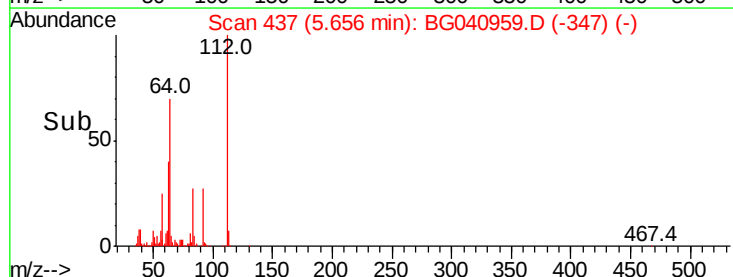
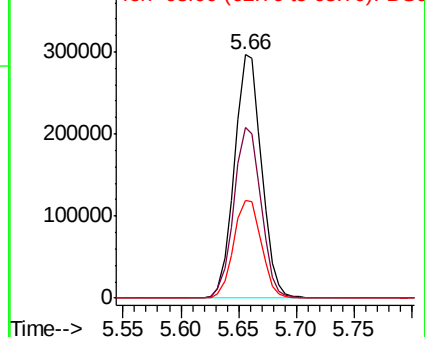


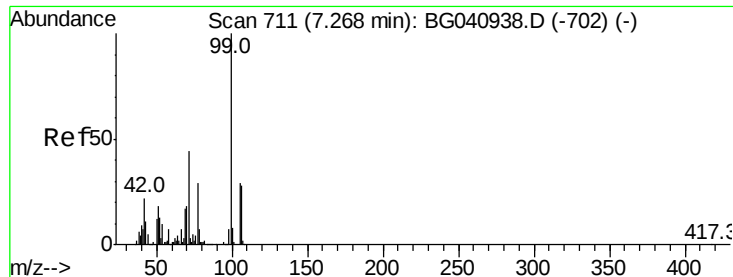
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.528 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampled :

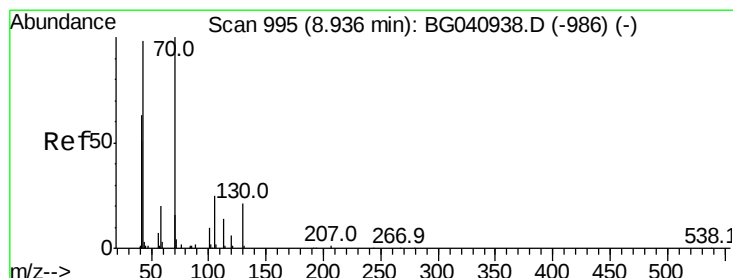
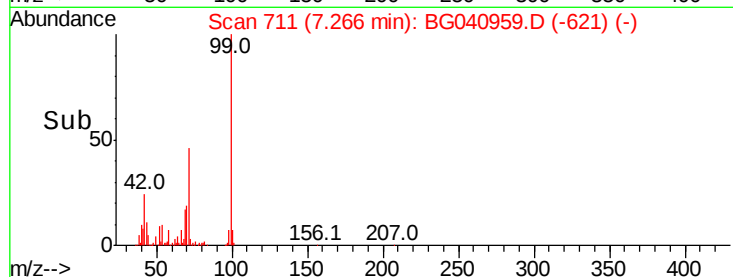
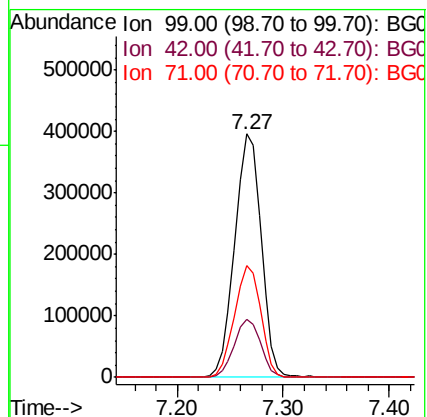
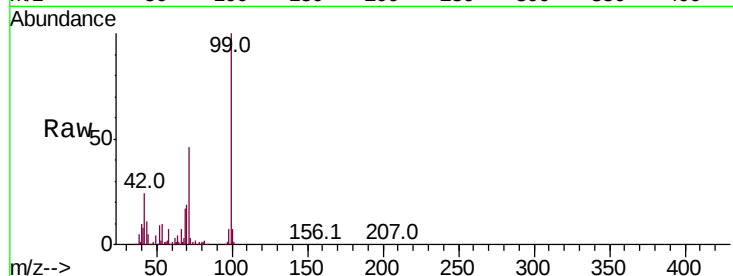
Tot Ion: 99 Resp: 685685

Ion Ratio Lower Upper

99 100

42 23.7 17.9 26.9

71 45.9 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.462 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Tgt Ion: 70 Resp: 69199

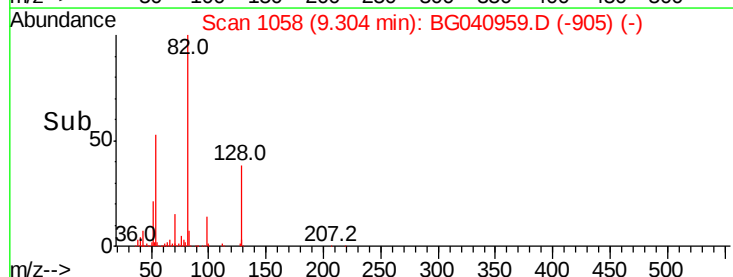
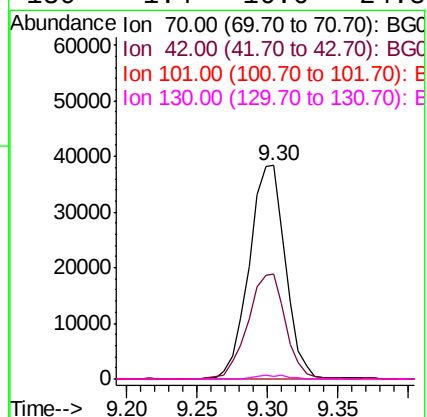
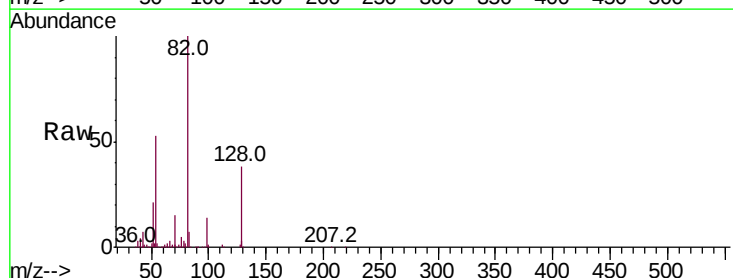
Ion Ratio Lower Upper

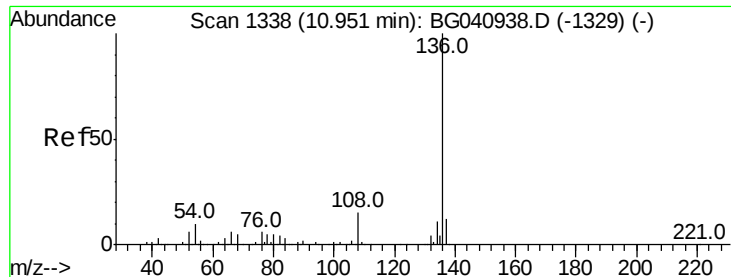
70 100

42 49.4 51.5 77.3#

101 0.0 8.1 12.1#

130 1.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 235174

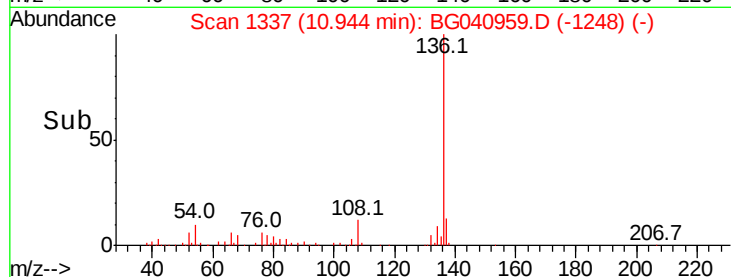
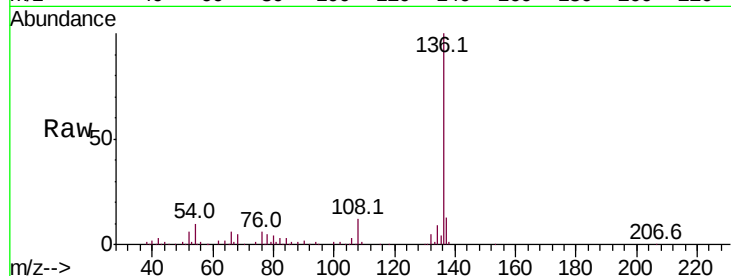
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 10.1 7.6 11.4

68 5.3 3.9 5.9

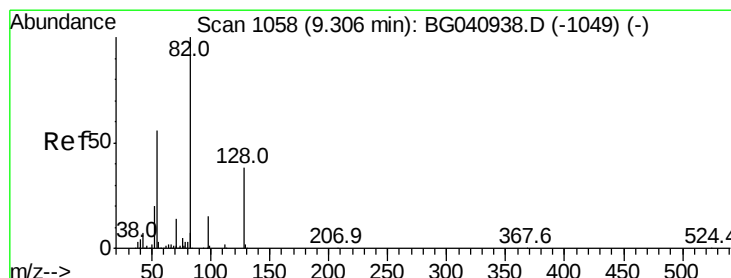
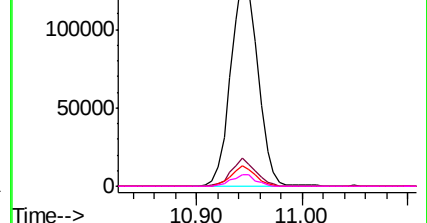


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 89.744 ng

RT: 9.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

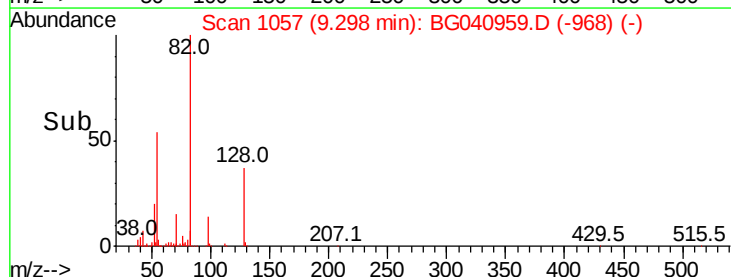
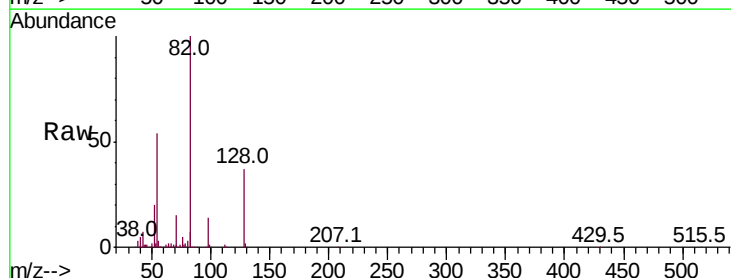
Tgt Ion: 82 Resp: 475417

Ion Ratio Lower Upper

82 100

128 37.3 30.5 45.7

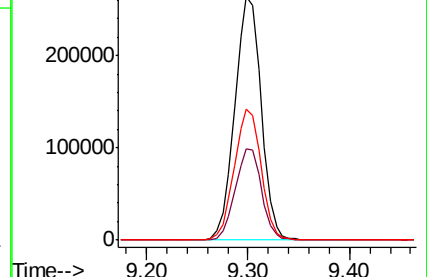
54 54.0 44.6 66.8

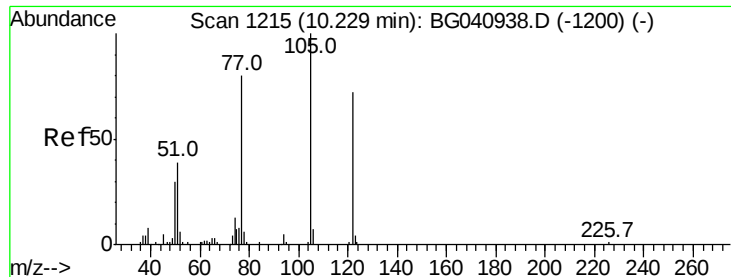


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

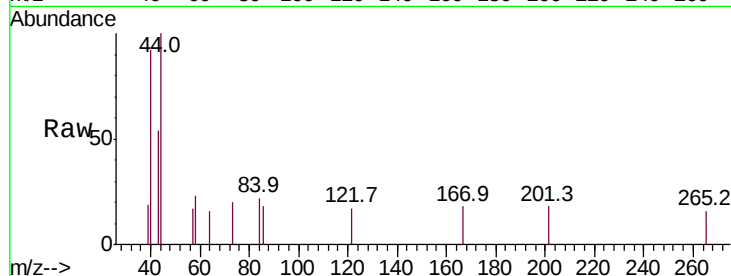




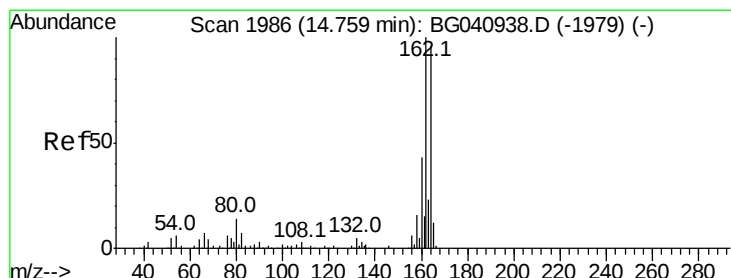
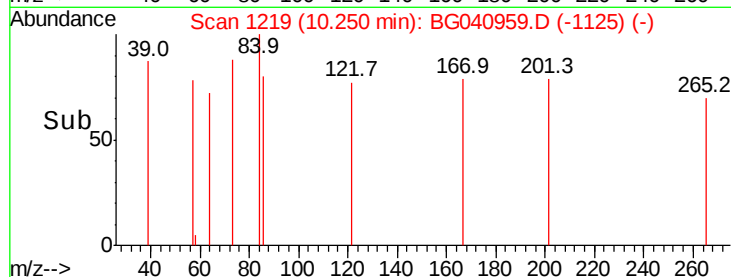
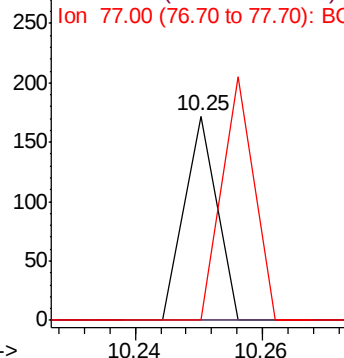
#32
Benzoic acid
Concen: 8.148 ng
RT: 10.25 min Scan# 1219
Delta R.T. 0.02 min
Lab File: BG040959.D
Acq: 30 May 2019 20:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 89.9 129.9#

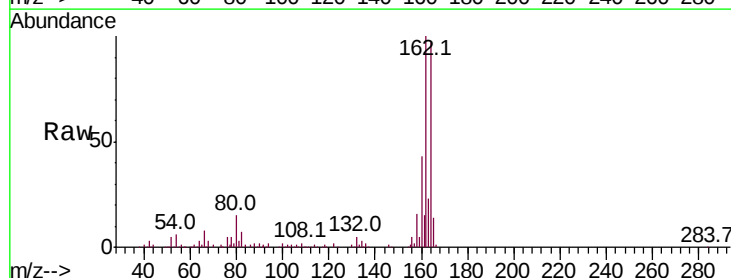


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

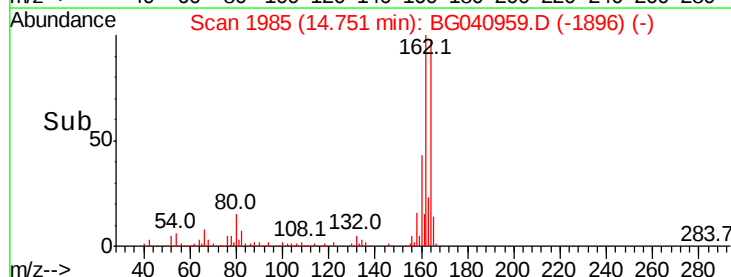
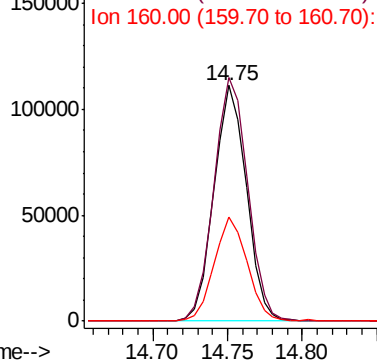


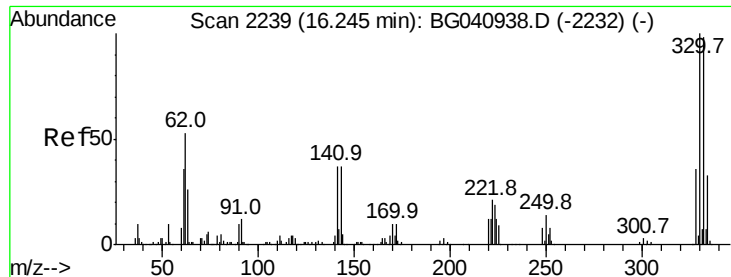
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040959.D
Acq: 30 May 2019 20:49

Tgt Ion:164 Resp: 166884
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.4
160 44.3 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

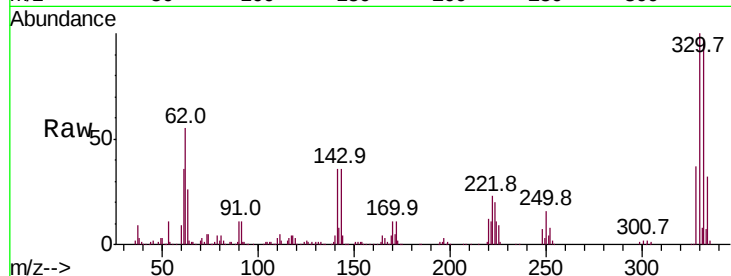




#42
 2,4,6-Tribromophenol
 Concen: 143.566 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040959.D
 Acq: 30 May 2019 20:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.5	117.7
141	36.0	28.7	43.1

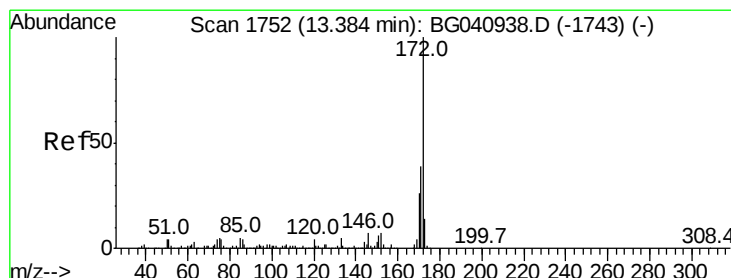
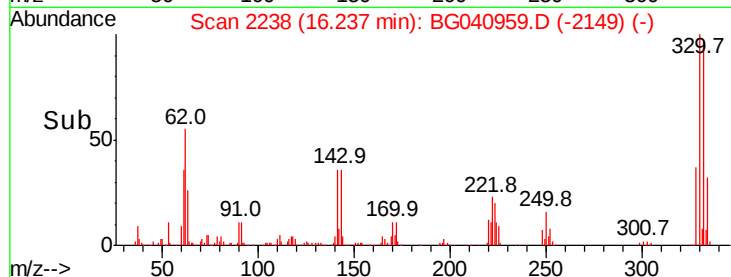
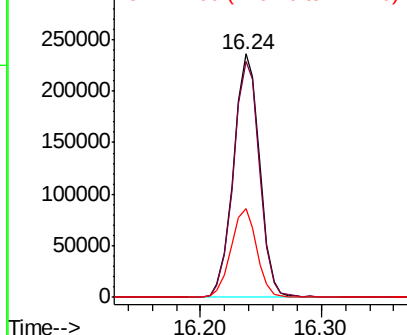


Abundance

Ion 329.80 (329.50 to 330.50): E

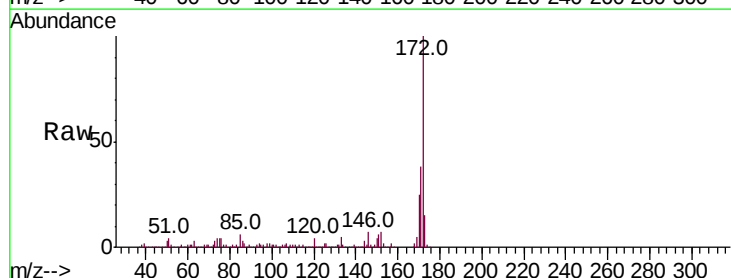
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.513 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040959.D
 Acq: 30 May 2019 20:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.1	46.7
170	25.3	20.5	30.7

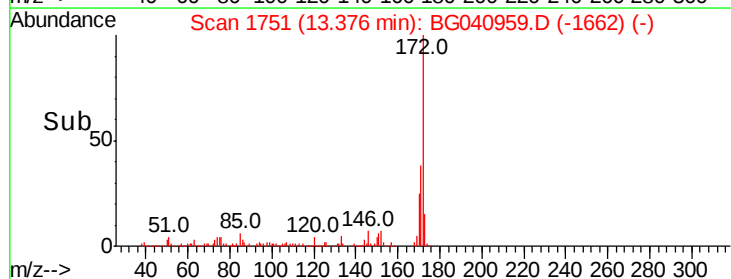
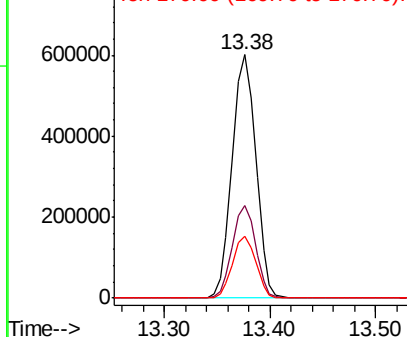


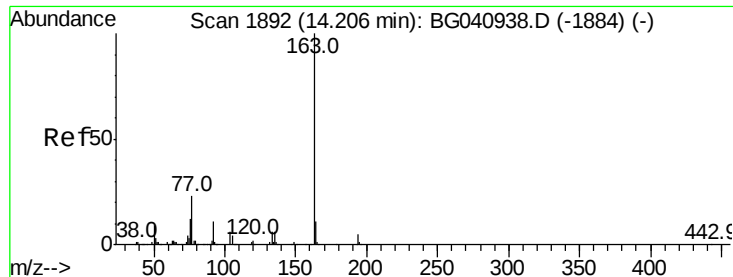
Abundance

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





#50

Dimethylphthalate

Concen: 13.236 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

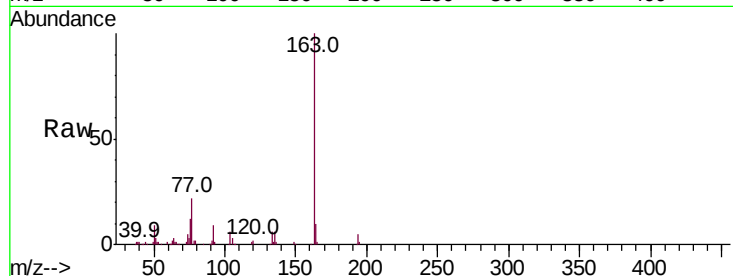
Tot Ion:163 Resp: 186976

Ion Ratio Lower Upper

163 100

194 5.4 3.8 5.8

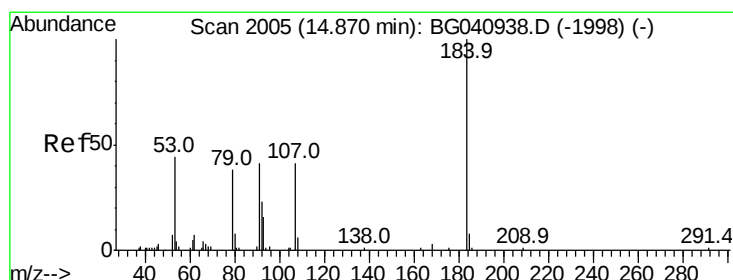
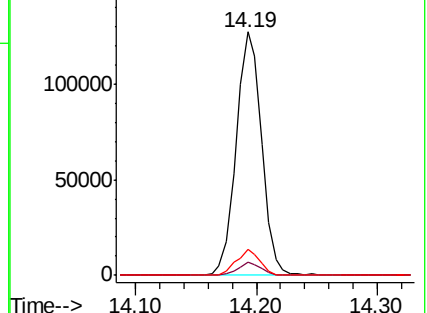
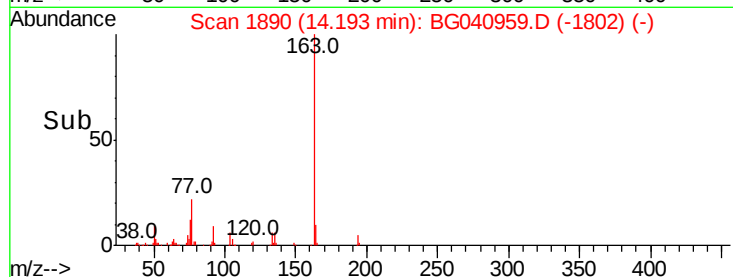
164 10.4 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 8.297 ng

RT: 14.83 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

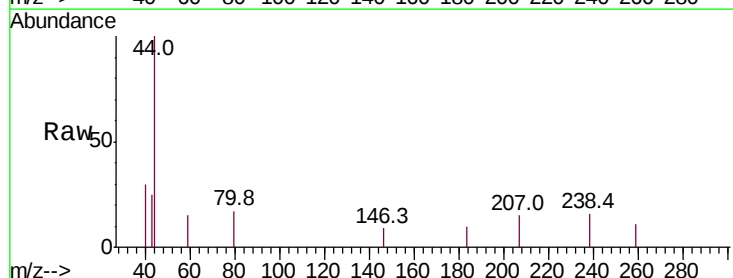
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

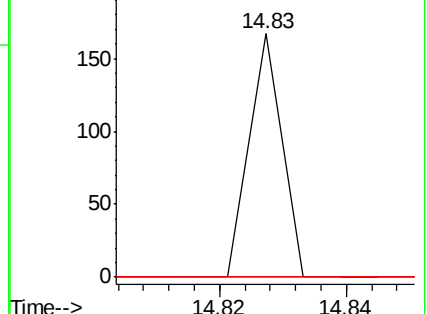
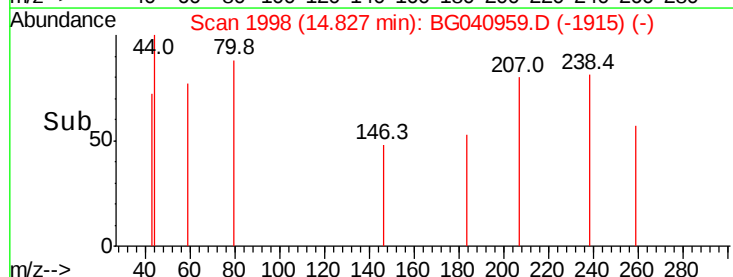
154 0.0 52.2 78.4#

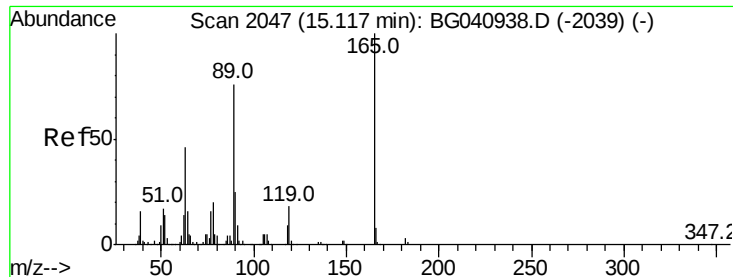


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.264 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.37 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22648

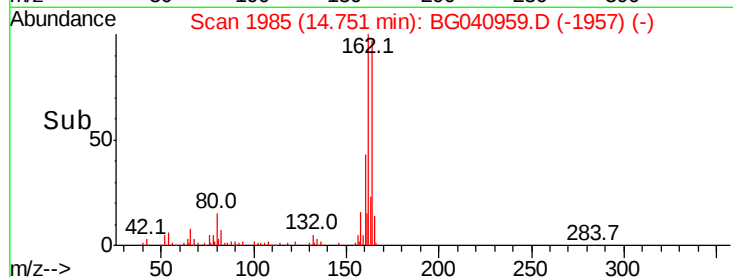
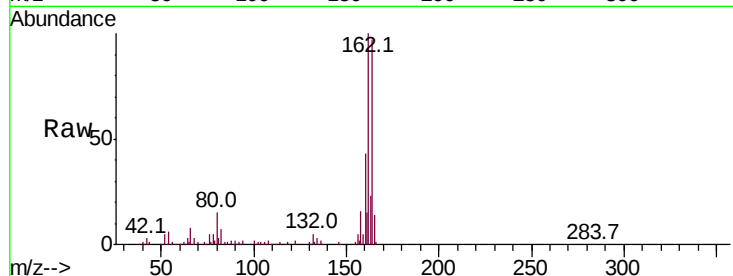
Ion Ratio Lower Upper

165 100

63 1.9 37.3 55.9#

89 1.8 61.0 91.6#

182 0.0 2.2 3.2#

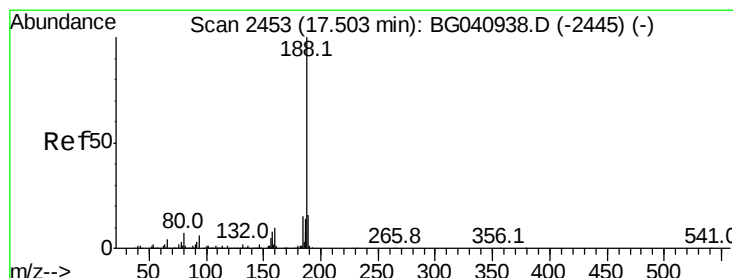
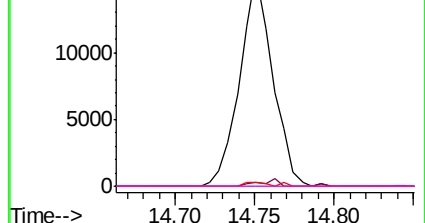


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

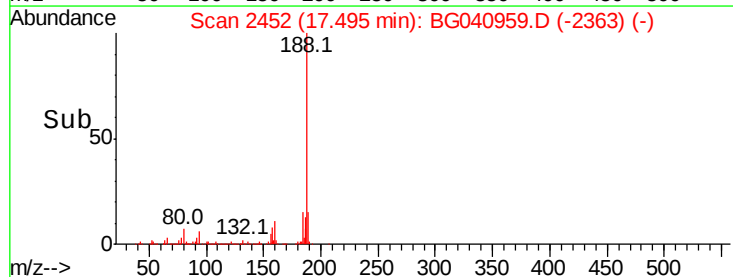
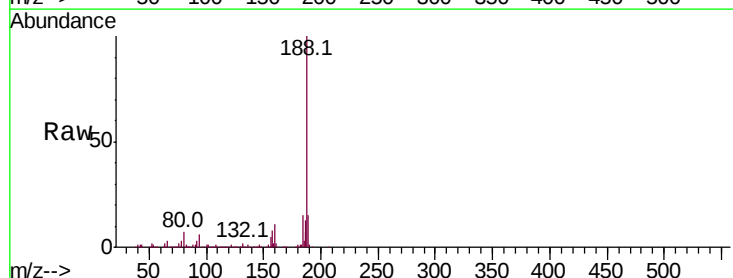
Tgt Ion:188 Resp: 448349

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

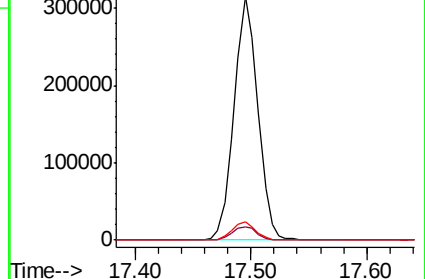
80 7.3 5.8 8.8

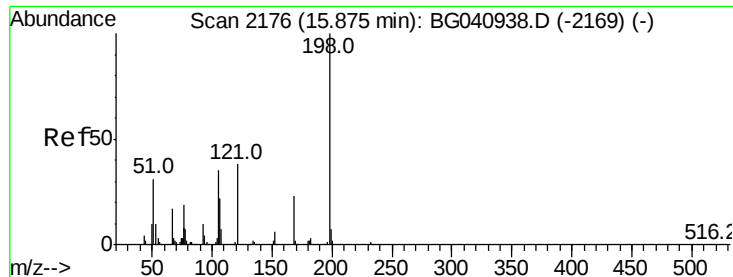


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#65

4,6-Dinitro-2-methylphenol

Concen: 8.987 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

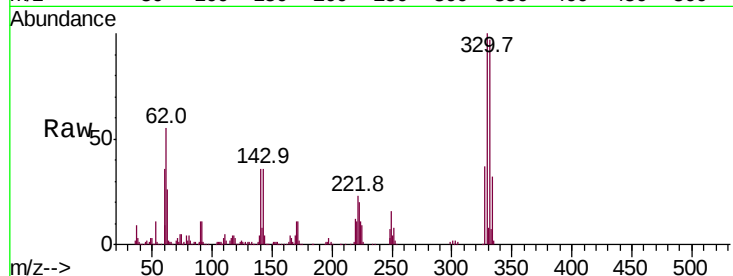
Tot Ion:198 Resp: 1164

Ion Ratio Lower Upper

198 100

51 69.0 21.6 61.6#

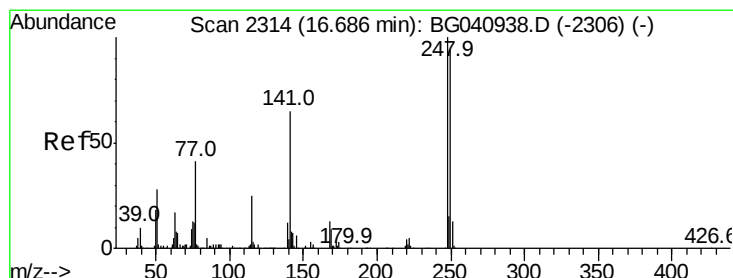
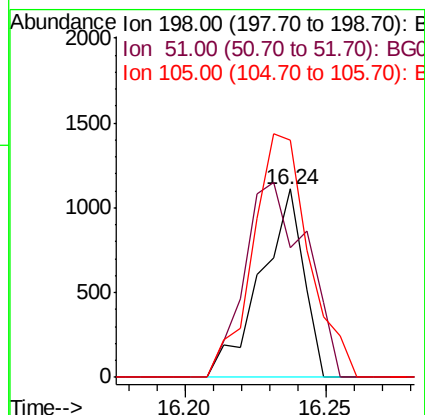
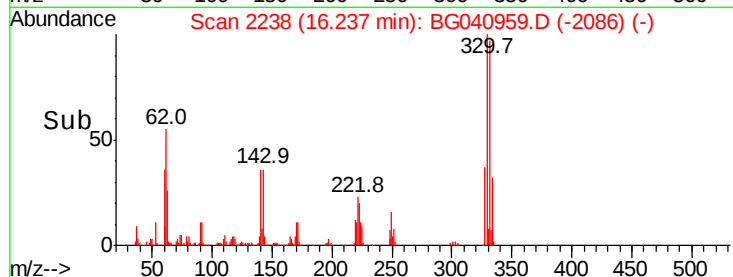
105 126.1 17.5 57.5#



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: 4.452 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

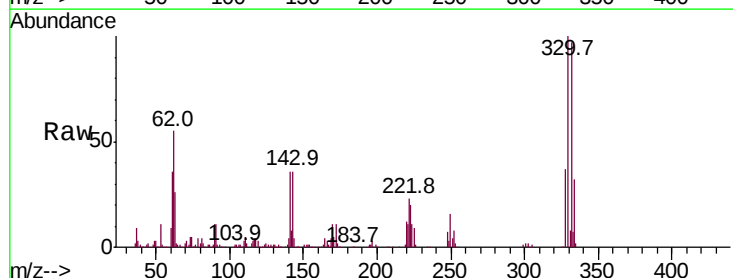
Tgt Ion:248 Resp: 26940

Ion Ratio Lower Upper

248 100

250 208.1 75.0 112.4#

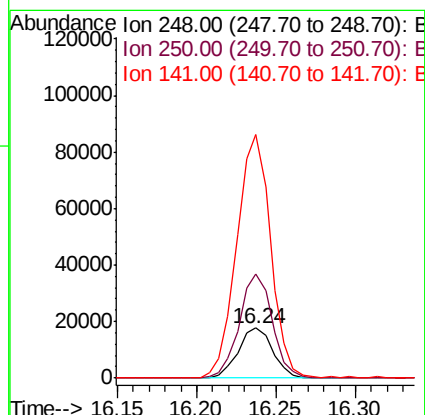
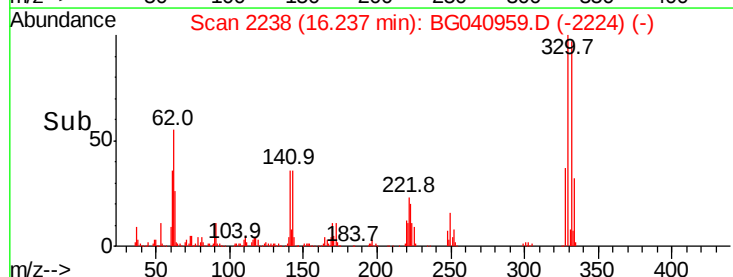
141 489.0 52.4 78.6#

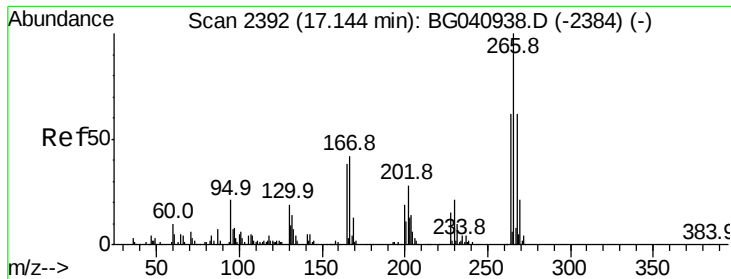


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.281 ng

RT: 17.11 min Scan# 2387

Delta R.T. -0.03 min

Lab File: BG040959.D

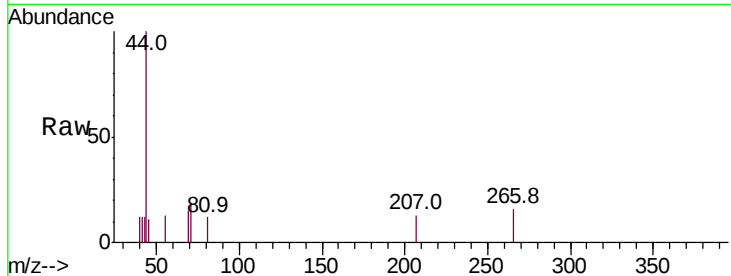
Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

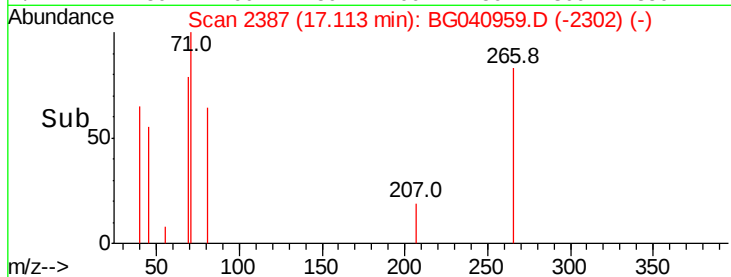
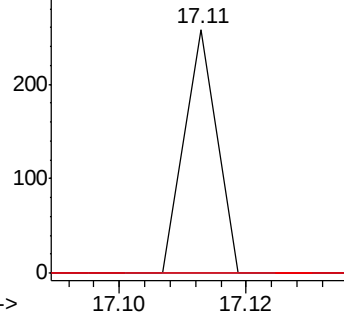
Tot Ion:	266	Resp:	91
Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

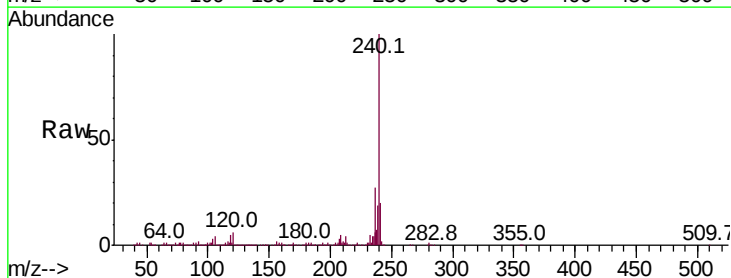
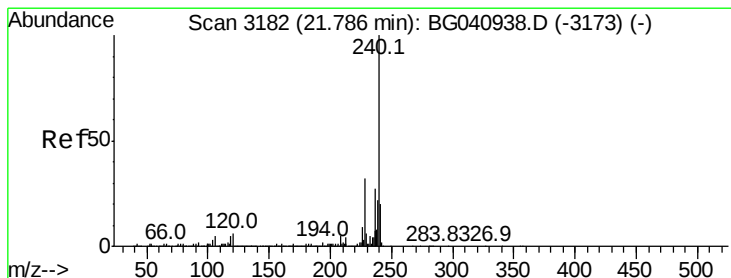
RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

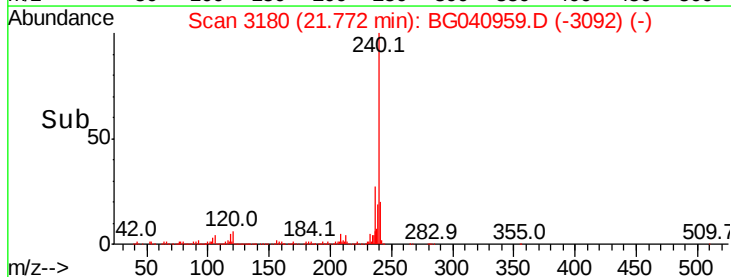
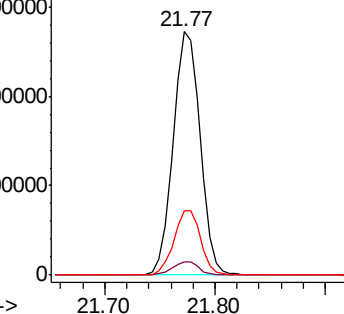
Tgt Ion:	240	Resp:	469904
Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.5	6.7
236	26.6	21.3	31.9

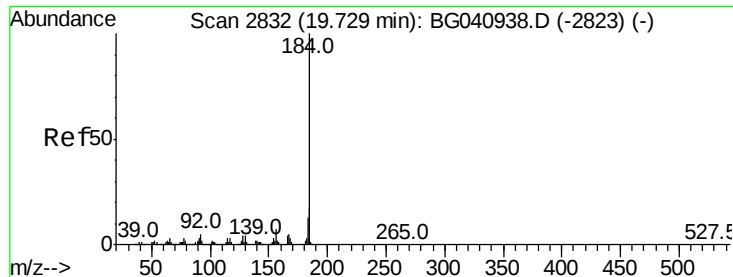


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.669 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

Instrument :

BNA_G

ClientSampleId :

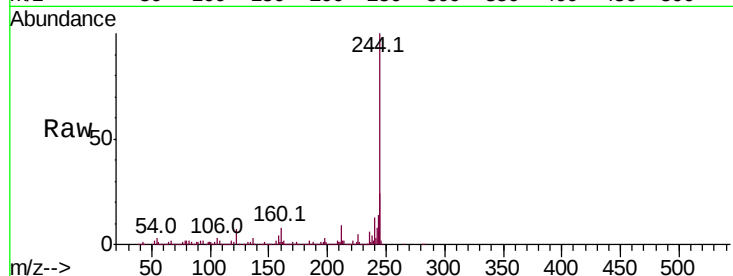
Tot Ion:184 Resp: 29922

Ion Ratio Lower Upper

184 100

185 13.3 13.3 19.9#

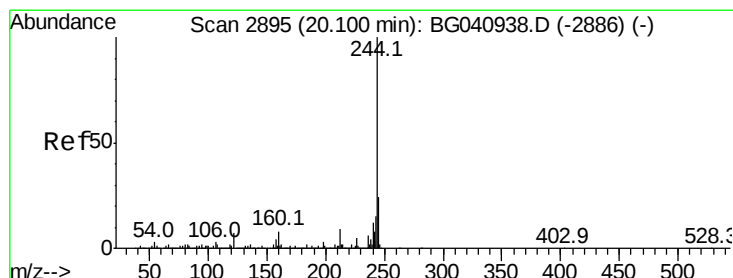
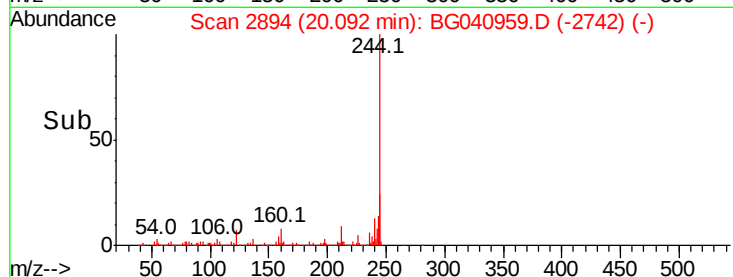
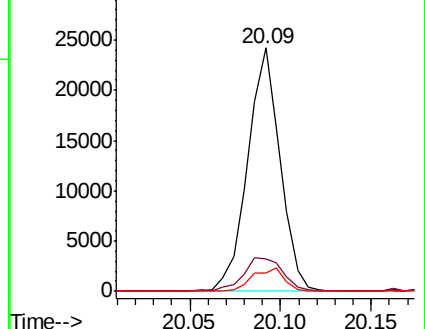
183 7.7 10.7 16.1#



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: 74.822 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040959.D

Acq: 30 May 2019 20:49

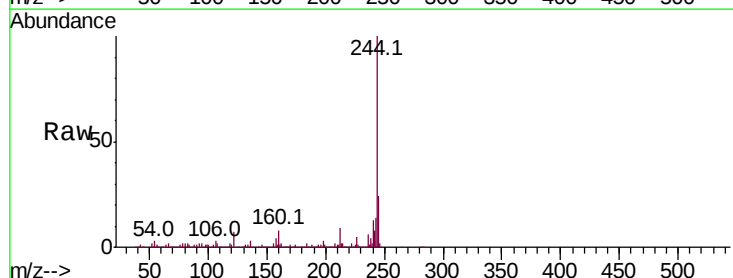
Tgt Ion:244 Resp: 1656608

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

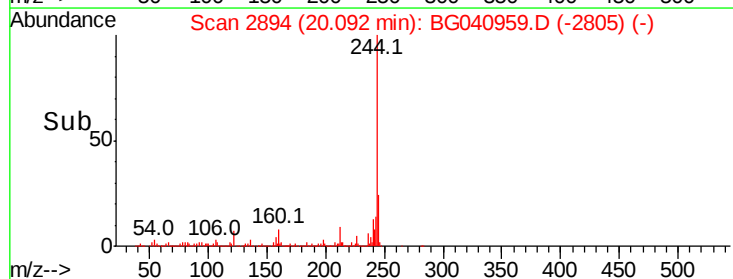
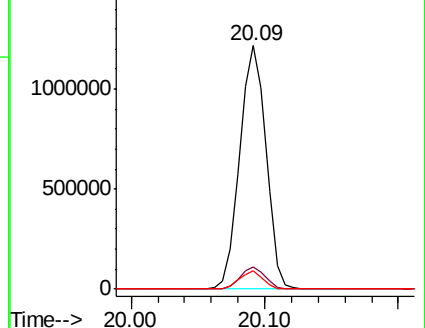
122 7.4 5.4 8.0

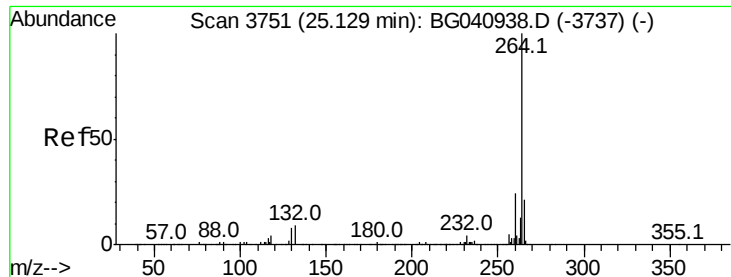


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

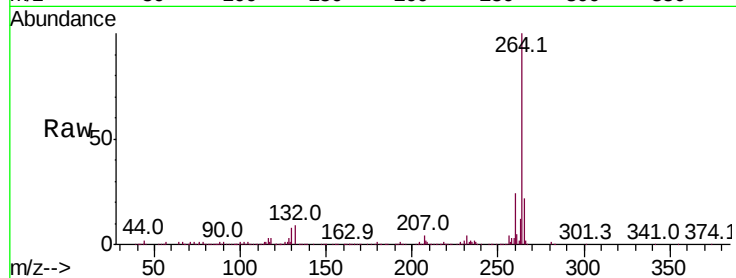




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.12 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG040959.D
Acq: 30 May 2019 20:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.5	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

