

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040973.D
 Acq On : 31 May 2019 5:41
 Operator : HP/JU
 Sample : K3084-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 06:32:49 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

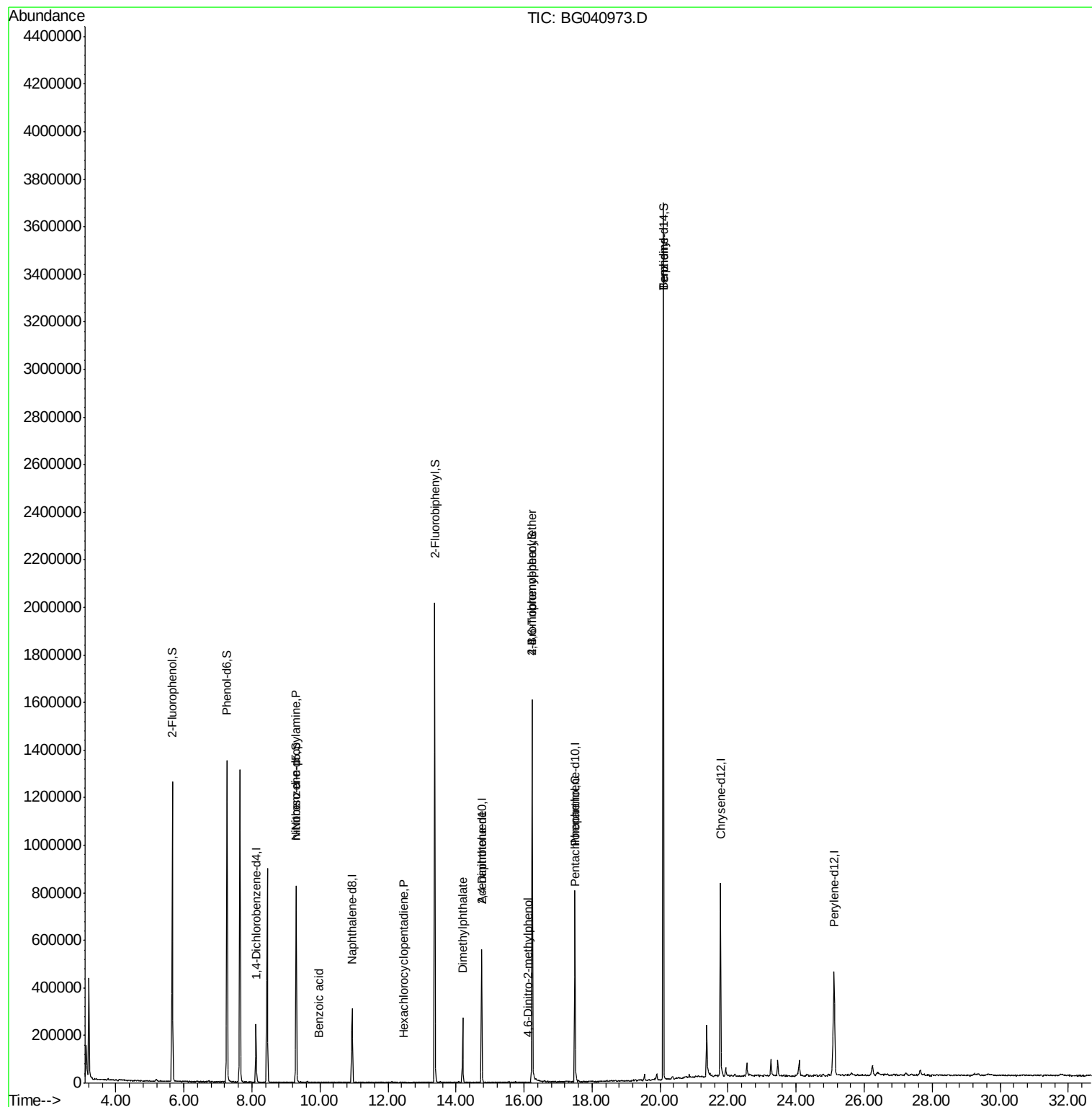
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	62577	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	257611	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	190250	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	486395	20.00	ng	0.00
76) Chrysene-d12	21.77	240	478031	20.00	ng	-0.01
87) Perylene-d12	25.12	264	508335	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	485140	139.80	ng	0.00
7) Phenol-d6	7.27	99	707070	131.93	ng	0.00
23) Nitrobenzene-d5	9.30	82	496072	85.49	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	315841	111.83	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1011394	76.56	ng	0.00
79) Terphenyl-d14	20.09	244	1689900	75.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	70764	17.157	ng	# 78
32) Benzoic acid	9.97	122	54	8.144	ng	# 1
41) Hexachlorocyclopentadiene	12.46	237	65	8.249	ng	# 26
50) Dimethylphthalate	14.19	163	170506	10.587	ng	99
57) 2,4-Dinitrotoluene	14.75	165	24189	4.932	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.11	198	61	8.609	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	23748	3.618	ng	# 1
70) Pentachlorophenol	17.51	266	55	4.270	ng	# 18
77) Benzidine	20.09	184	30759	2.697	ng	# 93

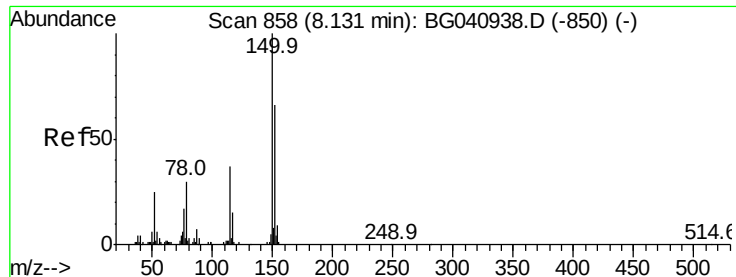
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampleId :

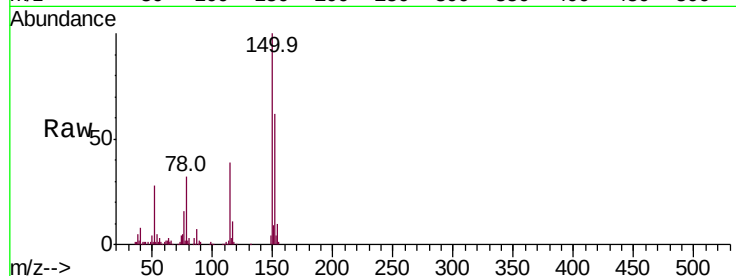
Tot Ion:152 Resp: 62577

Ion Ratio Lower Upper

152 100

150 161.8 120.6 180.8

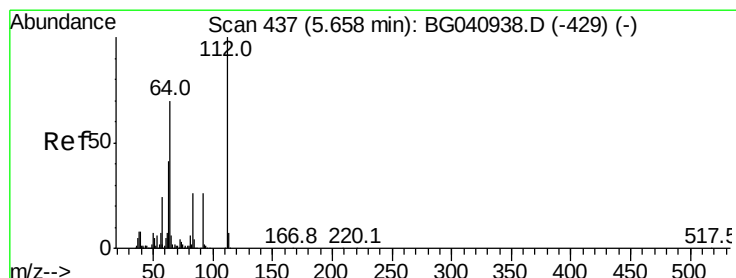
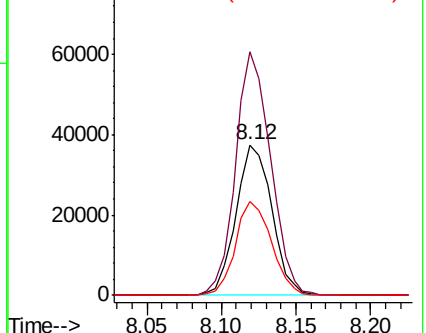
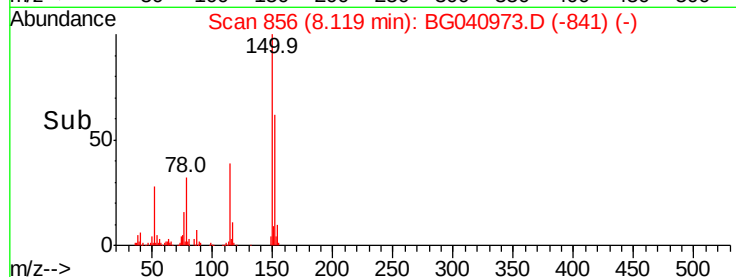
115 62.7 45.1 67.7



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: 139.797 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

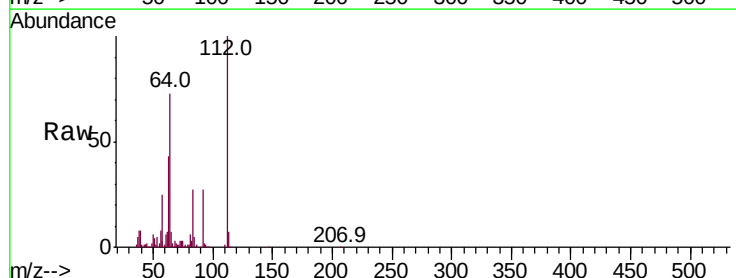
Tgt Ion:112 Resp: 485140

Ion Ratio Lower Upper

112 100

64 73.4 56.2 84.2

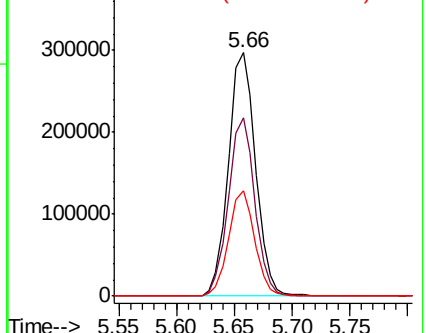
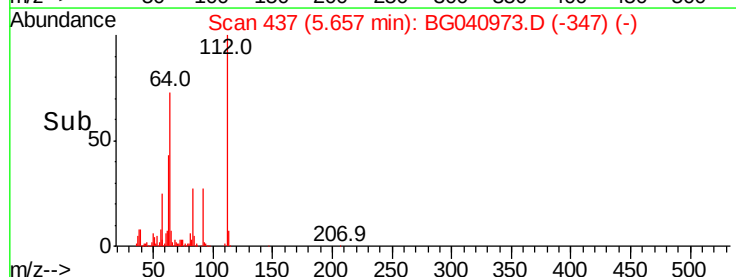
63 43.3 32.8 49.2

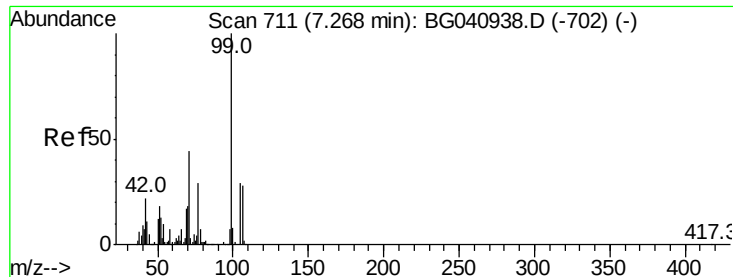


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 131.928 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampled :

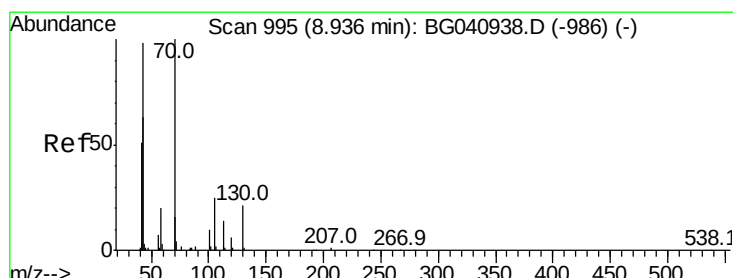
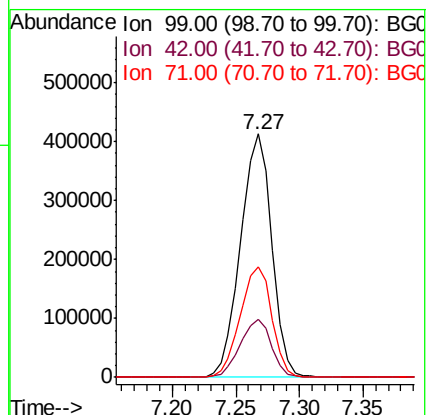
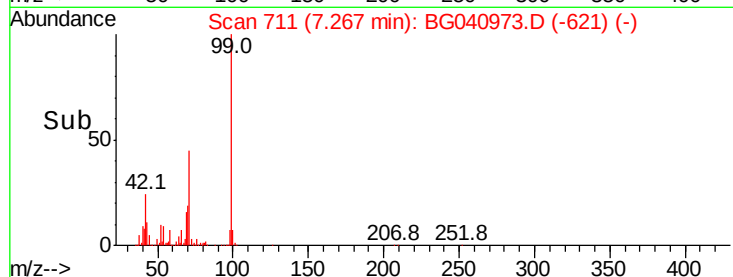
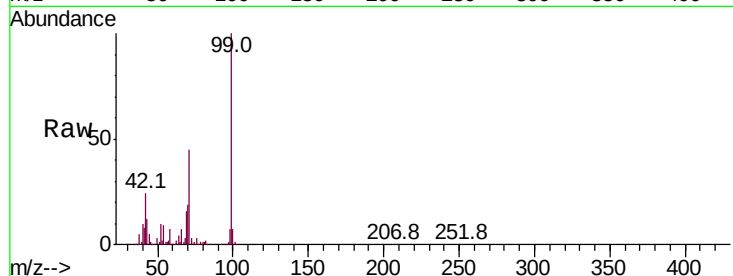
Tot Ion: 99 Resp: 707070

Ion Ratio Lower Upper

99 100

42 23.7 17.9 26.9

71 45.3 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.157 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Tgt Ion: 70 Resp: 70764

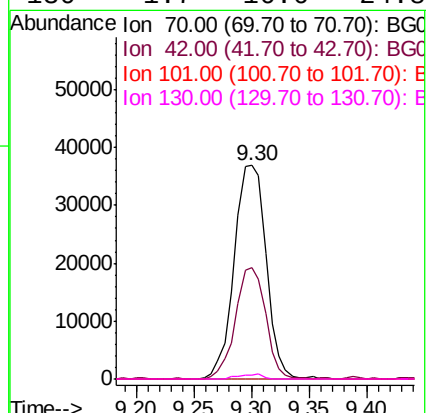
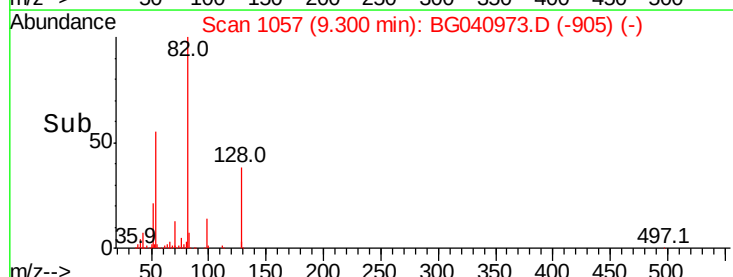
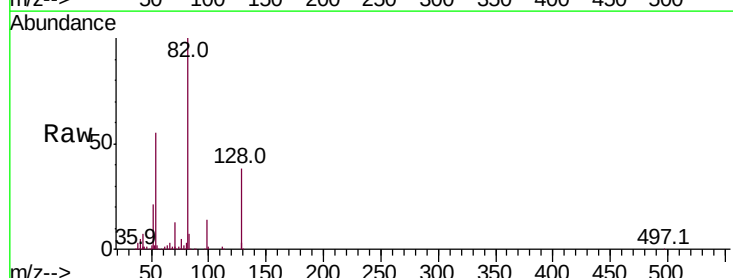
Ion Ratio Lower Upper

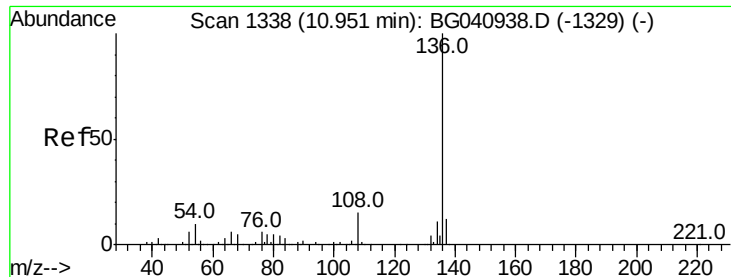
70 100

42 52.4 51.5 77.3

101 0.0 8.1 12.1#

130 1.7 16.6 24.8#

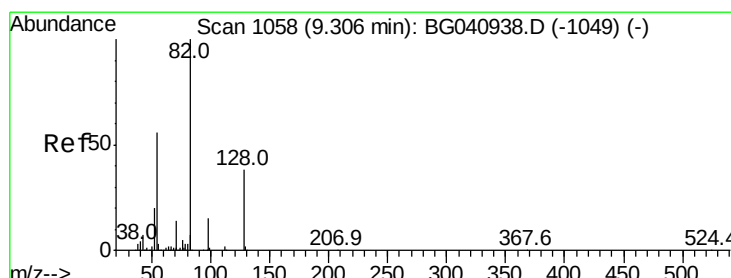
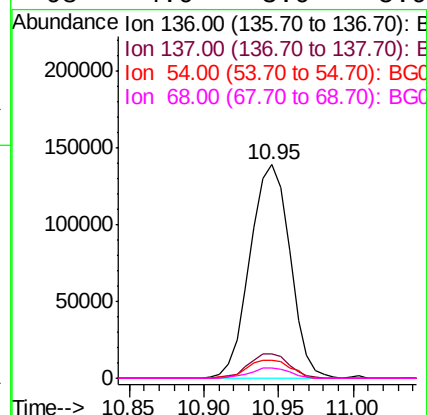
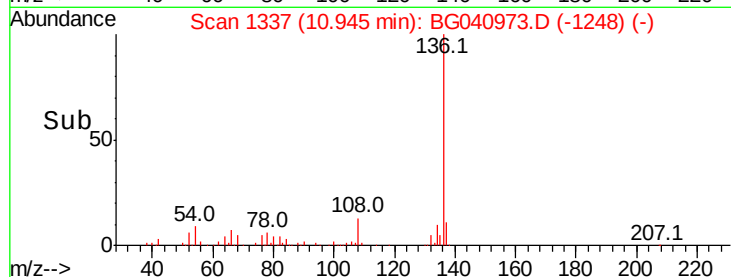
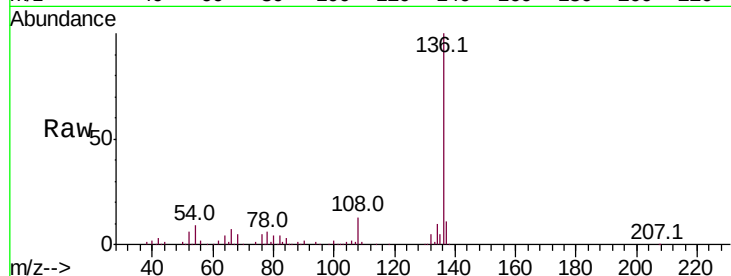




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040973.D
Acq: 31 May 2019 5:41

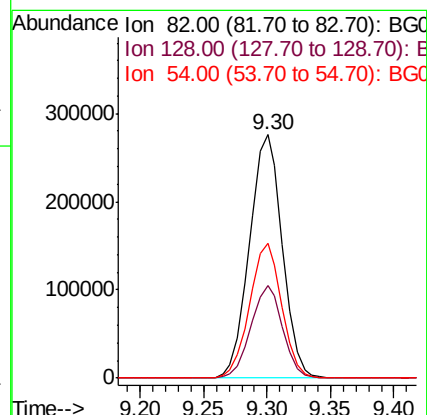
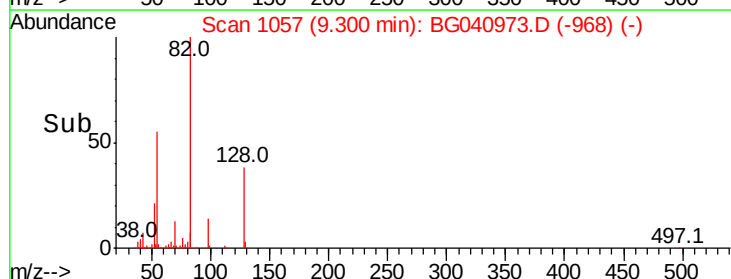
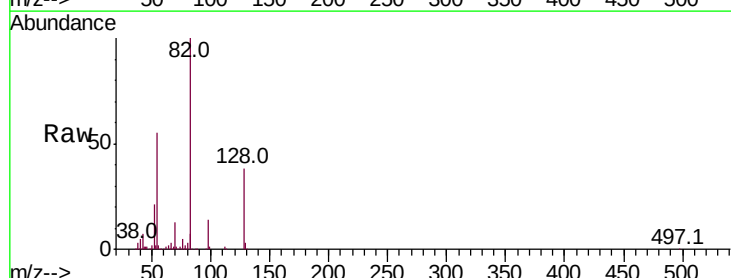
Instrument :
BNA_G
ClientSampleId :

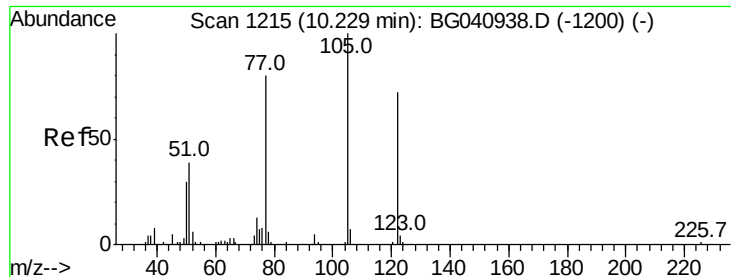
Tot Ion:136	Resp: 257611
Ion Ratio	Lower Upper
136 100	
137 11.4	9.5 14.3
54 8.6	7.6 11.4
68 4.9	3.9 5.9



#23
Nitrobenzene-d5
Concen: 85.487 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040973.D
Acq: 31 May 2019 5:41

Tgt Ion: 82	Resp: 496072
Ion Ratio	Lower Upper
82 100	
128 38.0	30.5 45.7
54 55.3	44.6 66.8

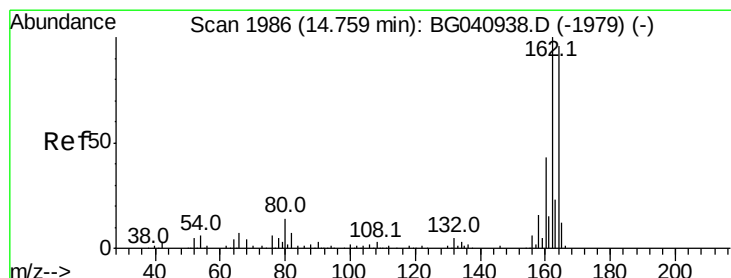
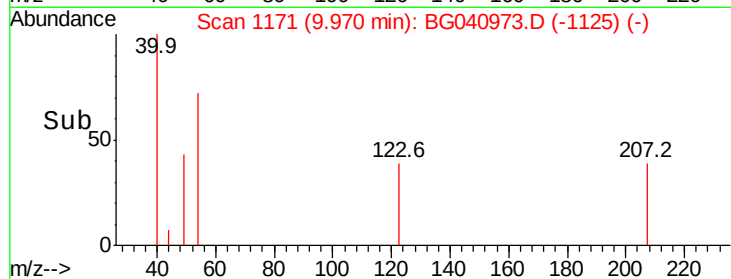
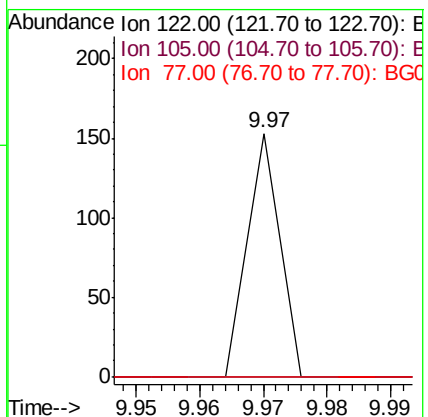
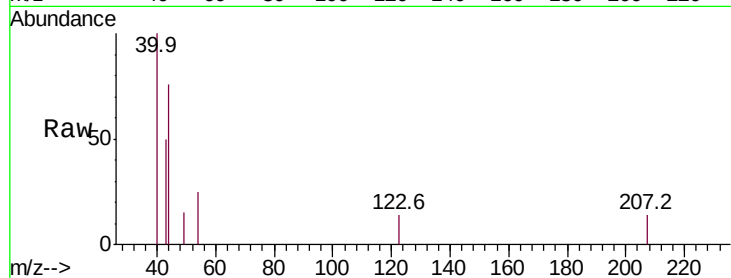




#32
Benzoic acid
Concen: 8.144 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.26 min
Lab File: BG040973.D
Acq: 31 May 2019 5:41

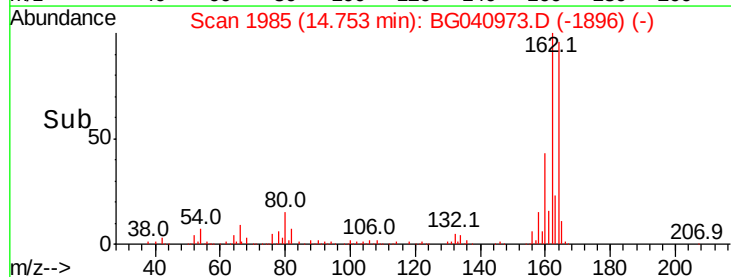
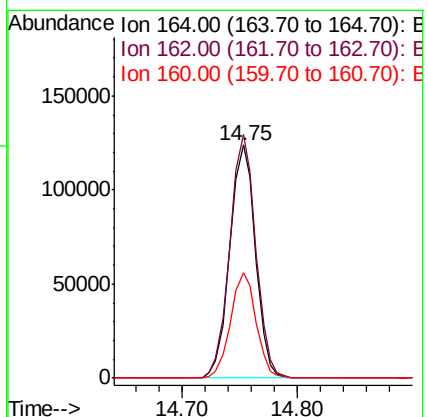
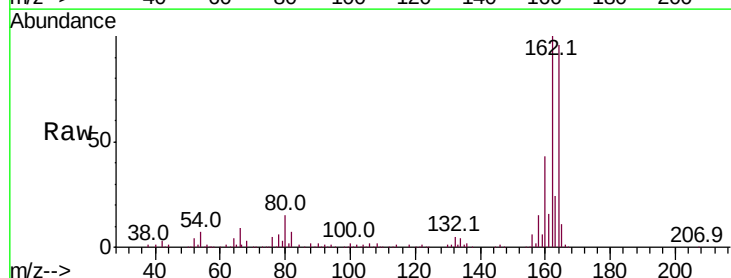
Instrument :
BNA_G
ClientSampleId :

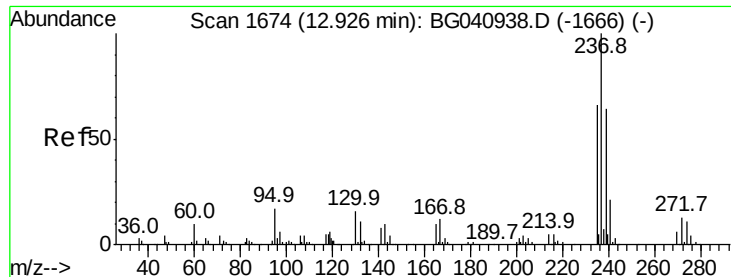
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040973.D
Acq: 31 May 2019 5:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.0	124.4
160	45.3	35.6	53.4

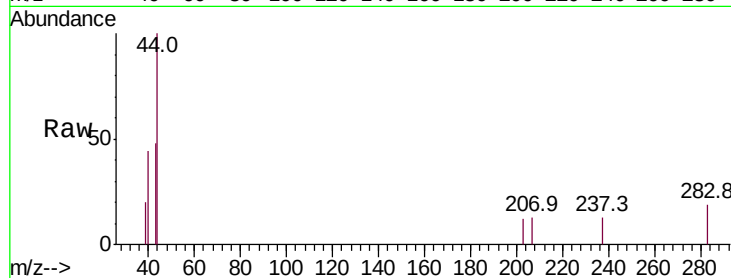




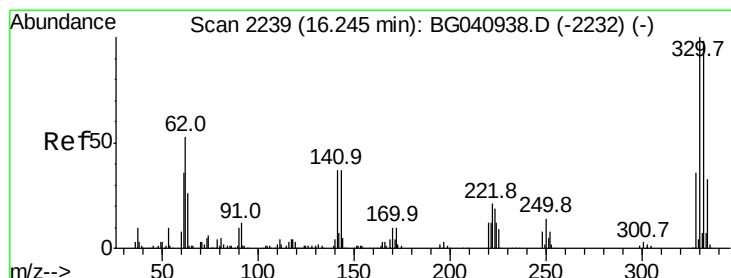
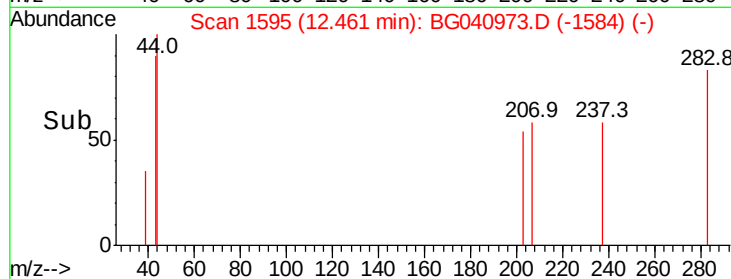
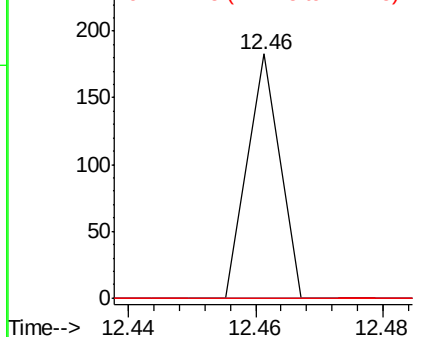
#41
 Hexachlorocyclopentadiene
 Concen: 8.249 ng
 RT: 12.46 min Scan# 1595
 Delta R.T. -0.46 min
 Lab File: BG040973.D
 Acq: 31 May 2019 5:41

Instrument :
 BNA_G
 ClientSampled :

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

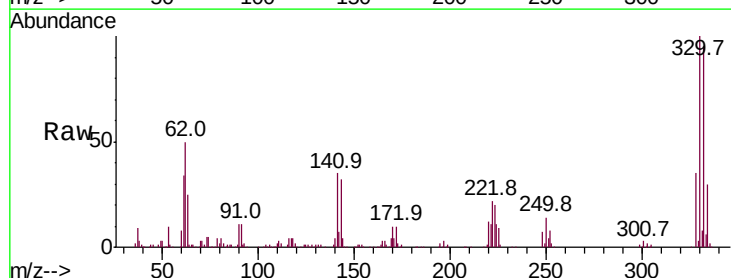


Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

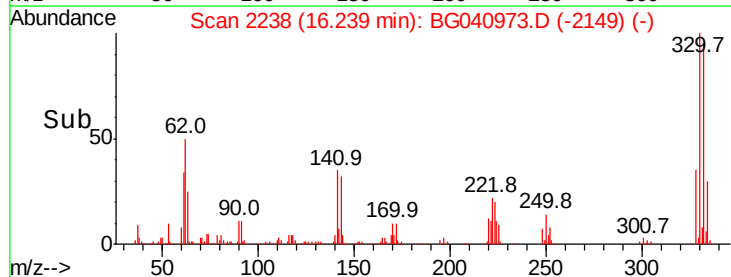
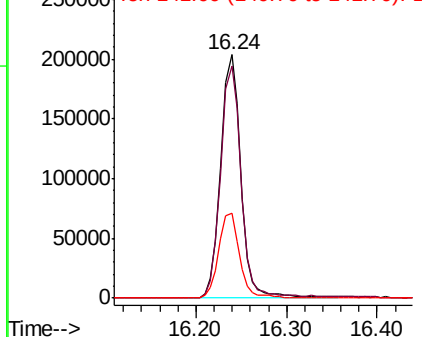


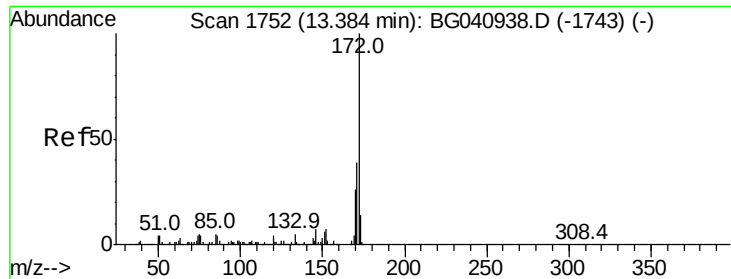
#42
 2,4,6-Tribromophenol
 Concen: 111.826 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040973.D
 Acq: 31 May 2019 5:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	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: 76.558 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

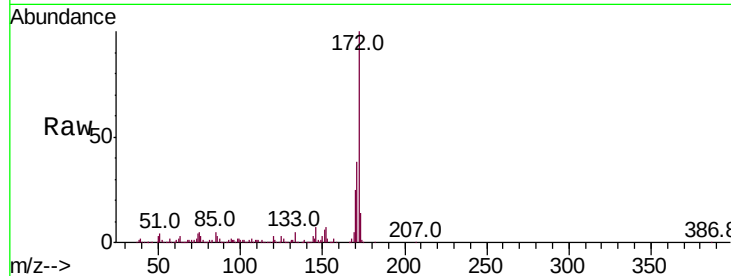
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1011394

Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.5	20.5	30.7



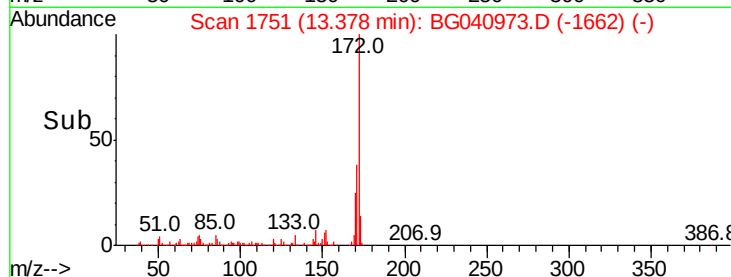
Abundance

Ion 172.00 (171.70 to 172.70): E

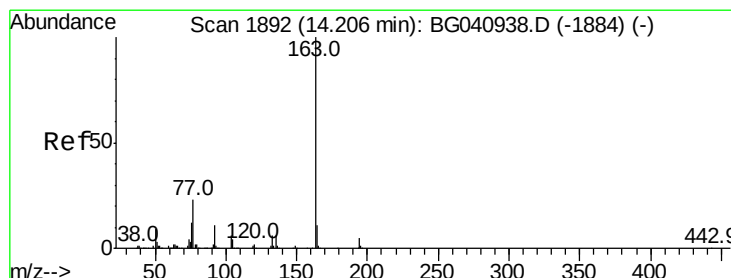
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.38



Time-->



#50

Dimethylphthalate

Concen: 10.587 ng

RT: 14.19 min Scan# 1890

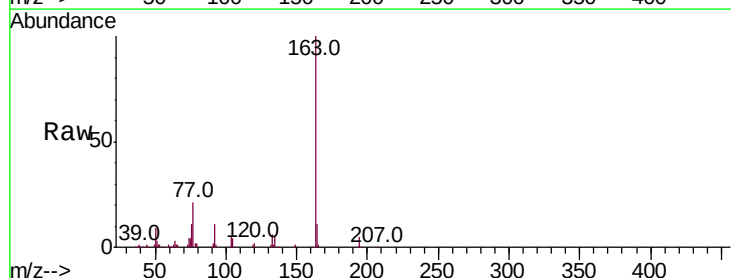
Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Tgt Ion:163 Resp: 170506

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.6	8.7	13.1



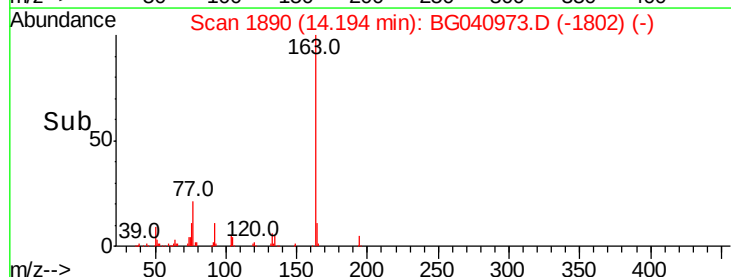
Abundance

Ion 163.00 (162.70 to 163.70): E

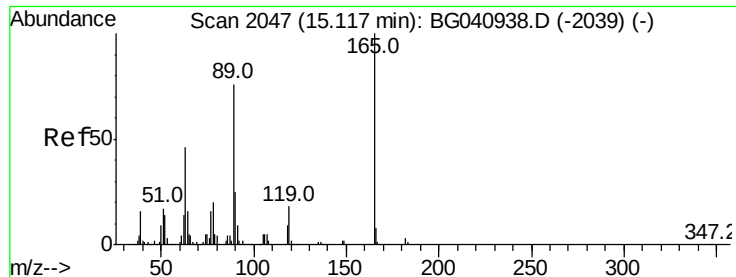
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.19



Time-->



#57

2,4-Dinitrotoluene

Concen: 4.932 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.36 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 24189

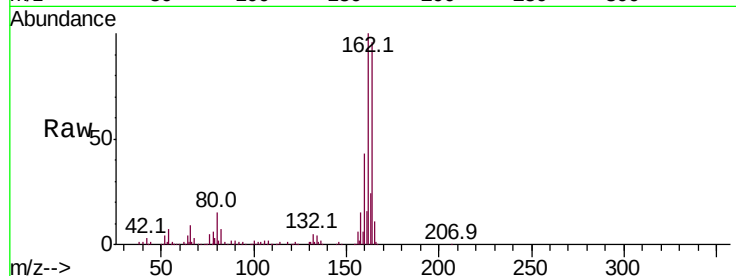
Ion Ratio Lower Upper

165 100

63 1.5 37.3 55.9#

89 1.1 61.0 91.6#

182 0.0 2.2 3.2#

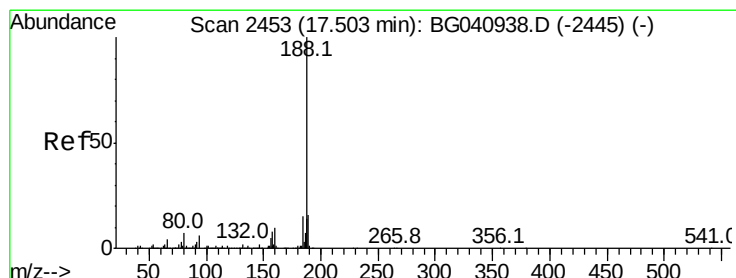
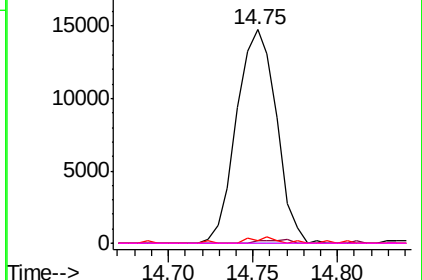
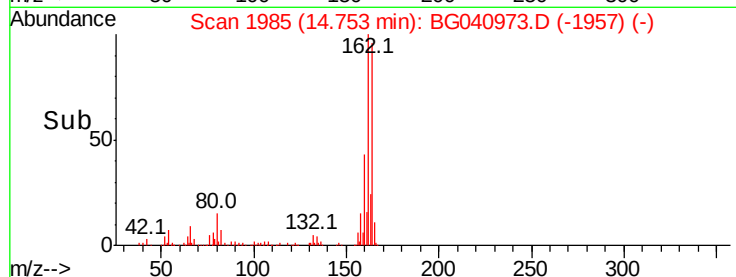


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

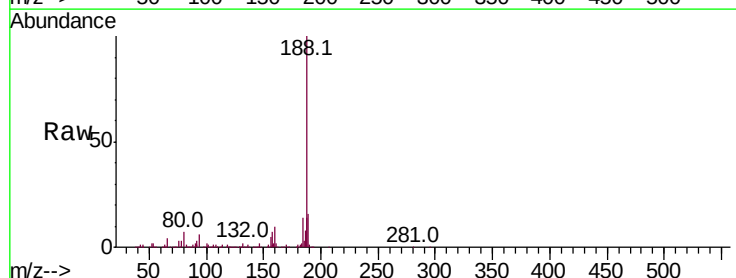
Tgt Ion:188 Resp: 486395

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

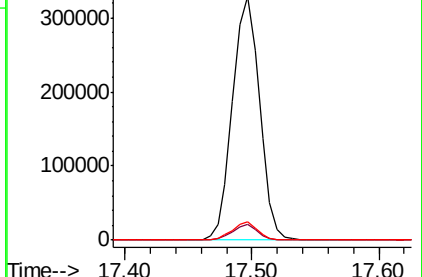
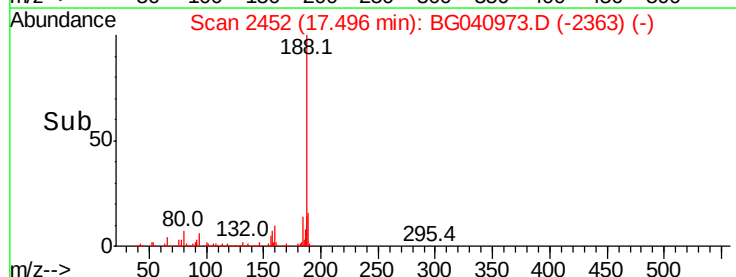
80 7.3 5.8 8.8

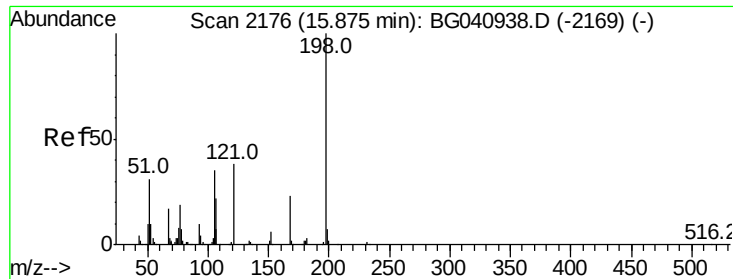


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.609 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.23 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampleId :

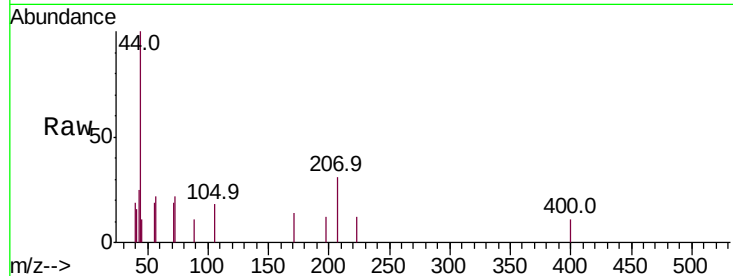
Tot Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

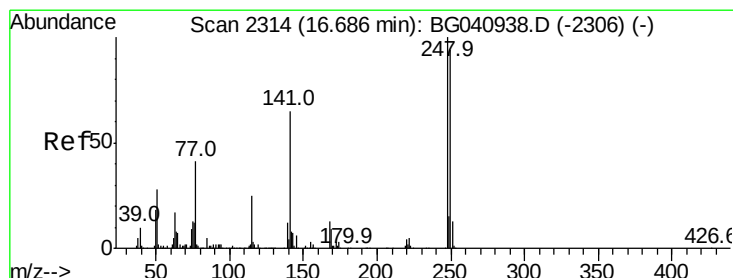
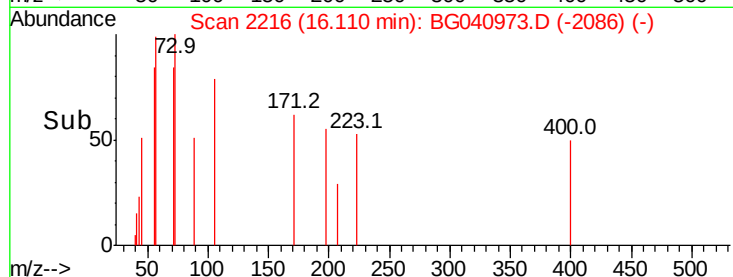
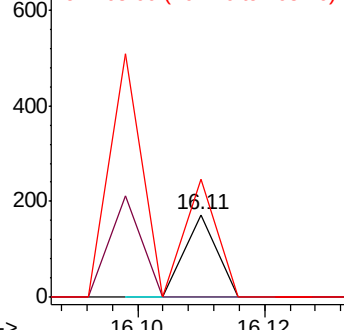
105 143.6 17.5 57.5#



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: 3.618 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

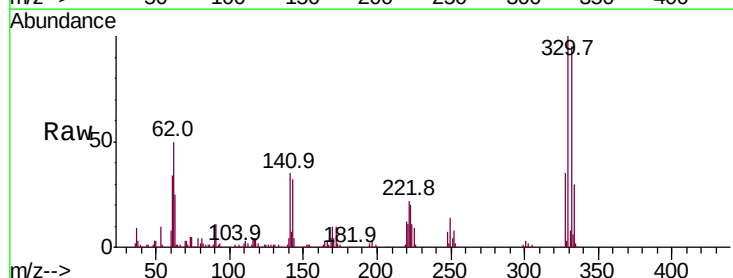
Tgt Ion:248 Resp: 23748

Ion Ratio Lower Upper

248 100

250 188.0 75.0 112.4#

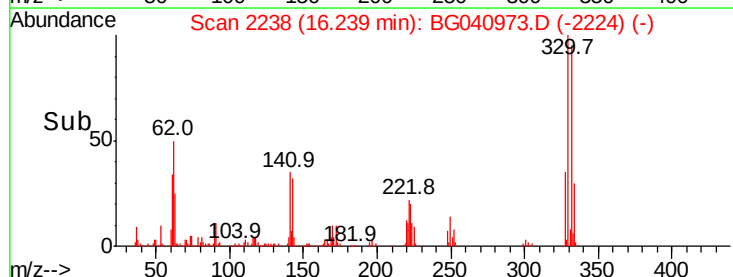
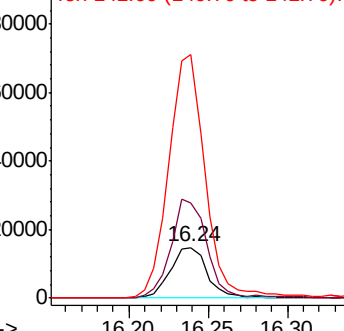
141 480.4 52.4 78.6#

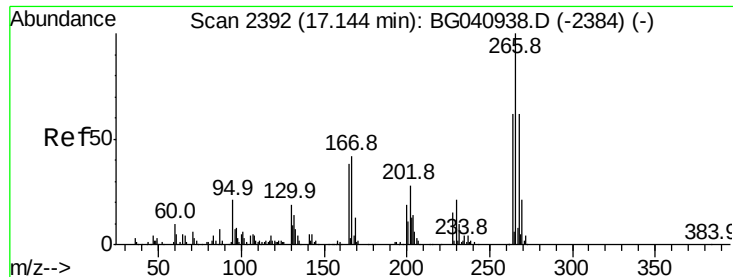


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.270 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.36 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampleId :

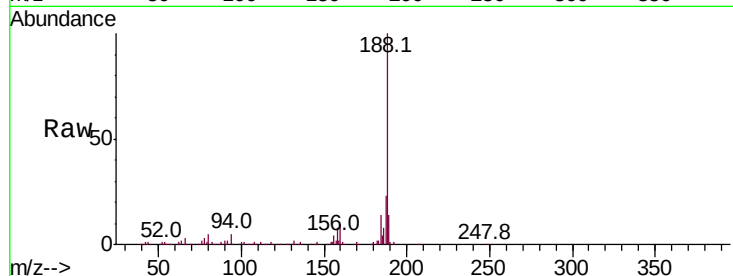
Tot Ion:266 Resp: 55

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

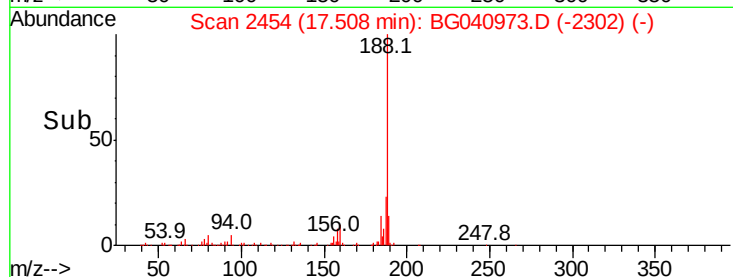
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

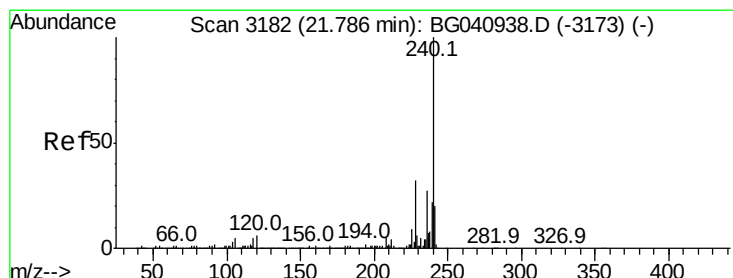
17.51

17.50

17.52



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

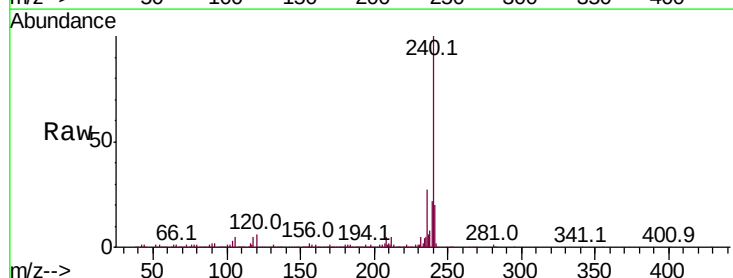
Tgt Ion:240 Resp: 478031

Ion Ratio Lower Upper

240 100

120 5.6 4.5 6.7

236 27.2 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

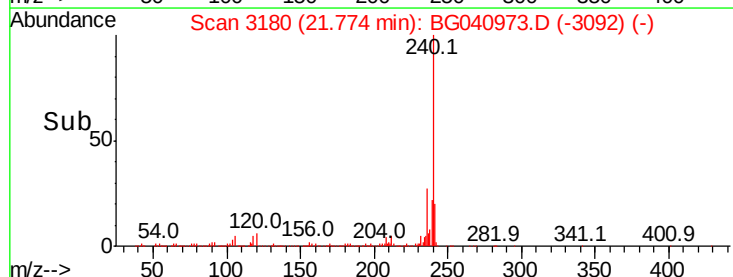
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

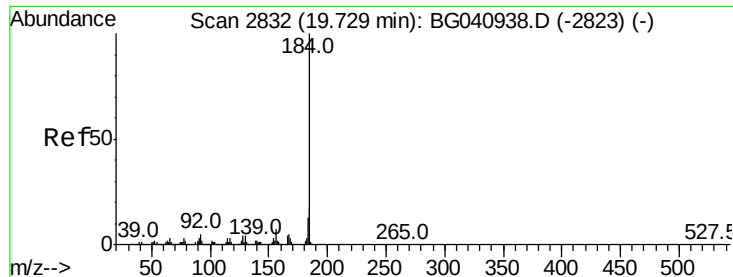
21.77

21.70

21.80



Time-->



#77

Benzidine

Concen: 2.697 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

Instrument :

BNA_G

ClientSampleId :

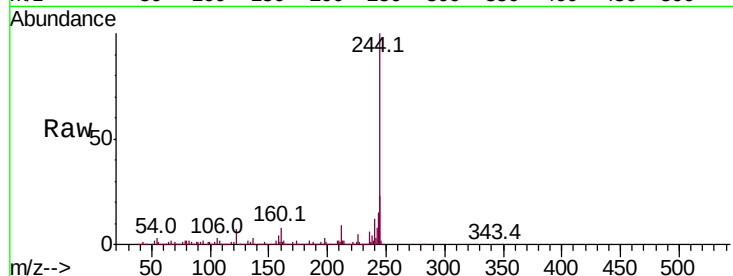
Tot Ion:184 Resp: 30759

Ion Ratio Lower Upper

184 100

185 15.8 13.3 19.9

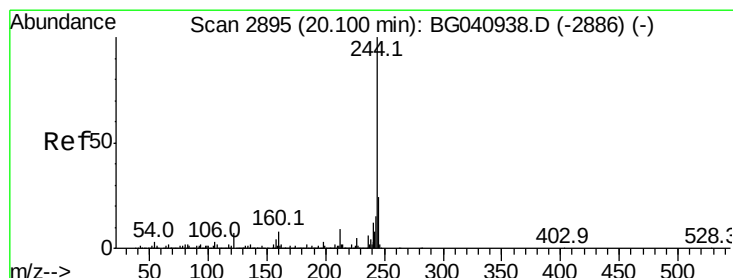
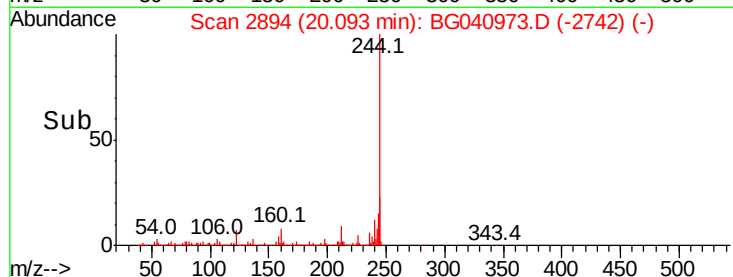
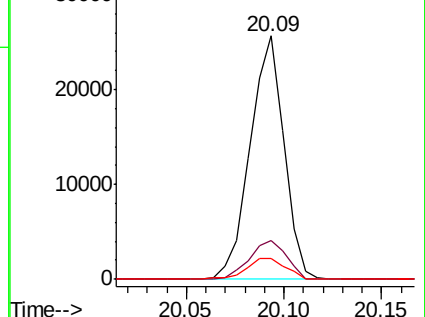
183 8.3 10.7 16.1#



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: 75.028 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040973.D

Acq: 31 May 2019 5:41

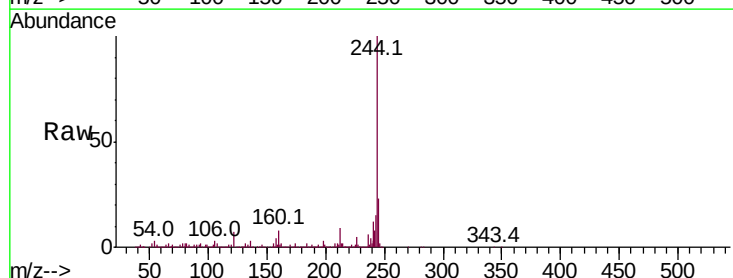
Tgt Ion:244 Resp: 1689900

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

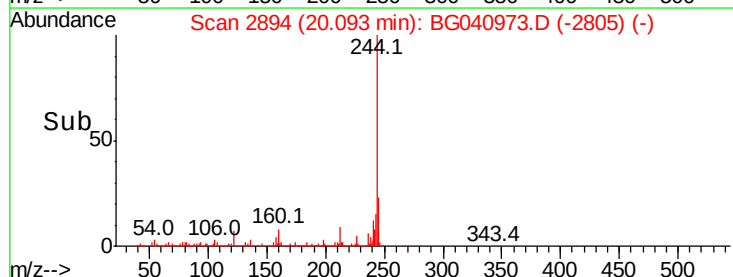
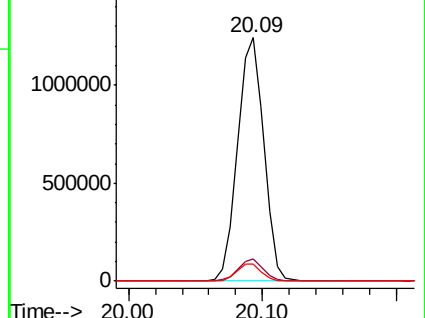
122 7.0 5.4 8.0

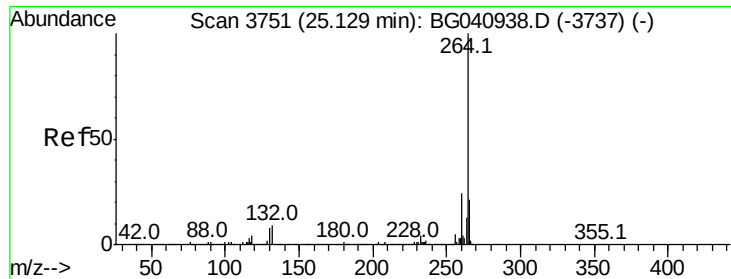


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

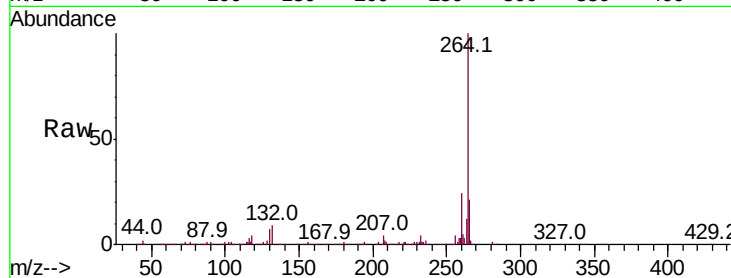




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.12 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG040973.D
Acq: 31 May 2019 5:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264	Resp:	508335
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.0 28.4
265	20.7	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

