

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040964.D
 Acq On : 31 May 2019 00:00
 Operator : HP/JU
 Sample : K3090-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:05:10 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	64578	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	253825	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	185720	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	489304	20.00	ng	0.00
76) Chrysene-d12	21.78	240	484919	20.00	ng	-0.01
87) Perylene-d12	25.12	264	505277	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	507545	141.72	ng	0.00
7) Phenol-d6	7.27	99	746338	134.94	ng	0.00
23) Nitrobenzene-d5	9.30	82	512382	89.61	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	408914	148.31	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1176812	91.25	ng	0.00
79) Terphenyl-d14	20.09	244	2006652	87.83	ng	0.00

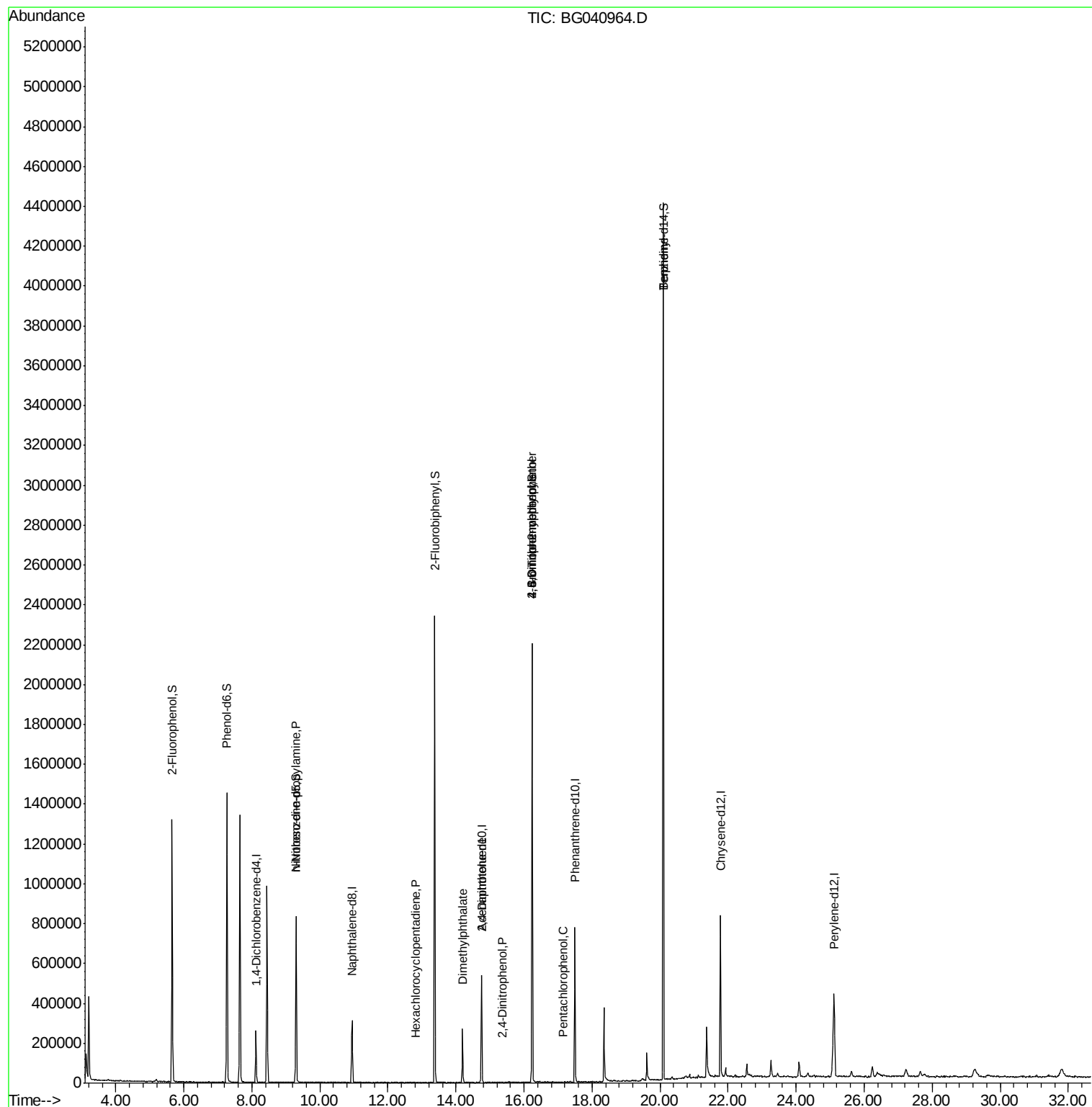
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	72364	17.001	ng	# 79
41) Hexachlorocyclopentadiene	12.80	237	63	8.249	ng	# 26
50) Dimethylphthalate	14.19	163	175154	11.141	ng	# 98
54) 2,4-Dinitrophenol	15.37	184	72	8.302	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	24693	5.157	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	1176	8.958	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	31227	4.729	ng	# 1
70) Pentachlorophenol	17.14	266	222	4.312	ng	# 18
77) Benzidine	20.09	184	36548	3.159	ng	# 95

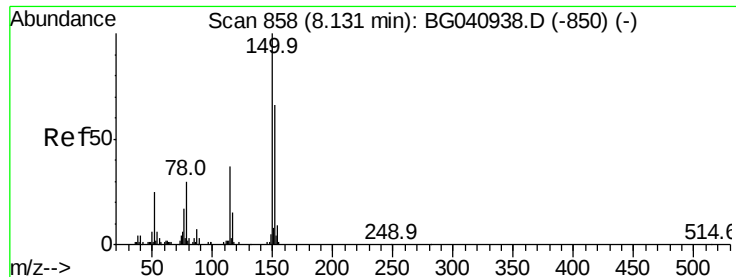
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampleId :

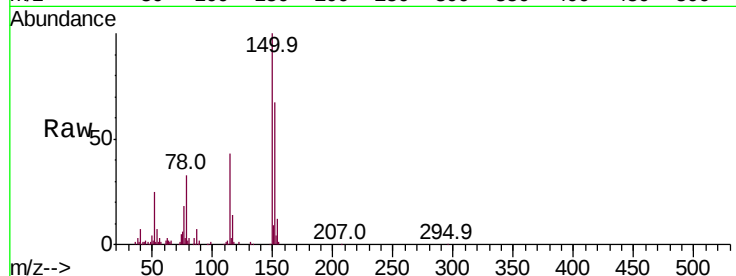
Tot Ion:152 Resp: 64578

Ion Ratio Lower Upper

152 100

150 148.7 120.6 180.8

115 63.5 45.1 67.7



Abundance

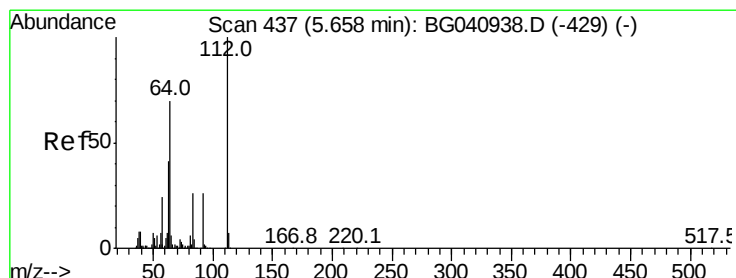
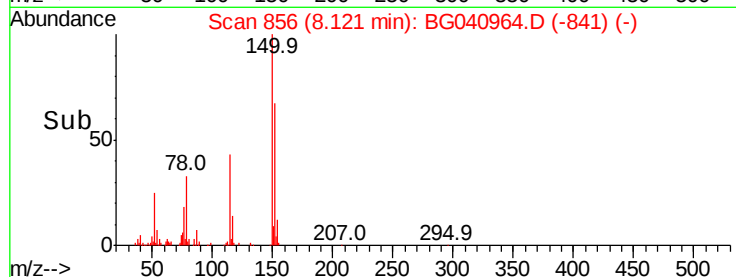
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.12

Time-->



#5

2-Fluorophenol

Concen: 141.722 ng

RT: 5.66 min Scan# 437

Delta R.T. 0.00 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

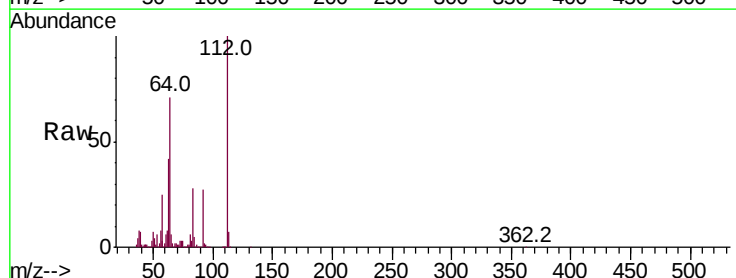
Tgt Ion:112 Resp: 507545

Ion Ratio Lower Upper

112 100

64 70.9 56.2 84.2

63 41.7 32.8 49.2



Abundance

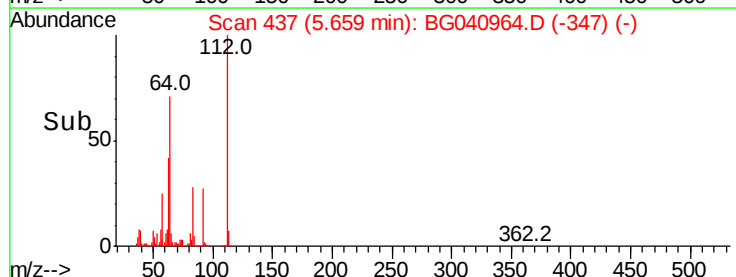
Ion 112.00 (111.70 to 112.70): E

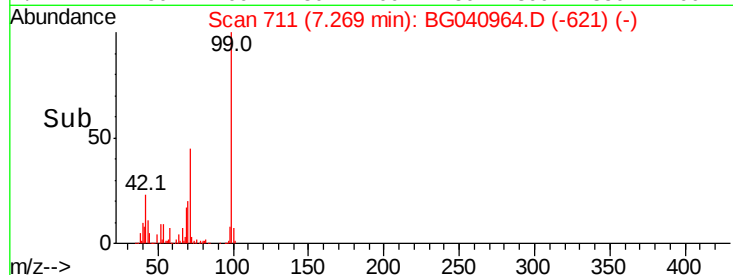
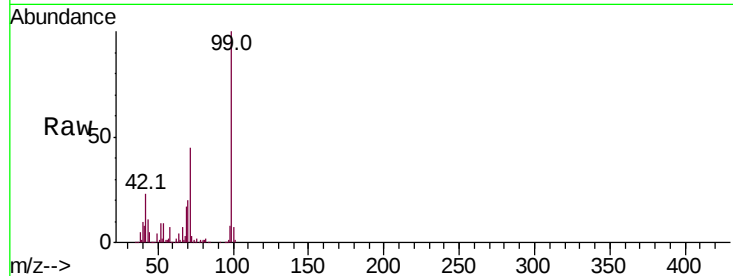
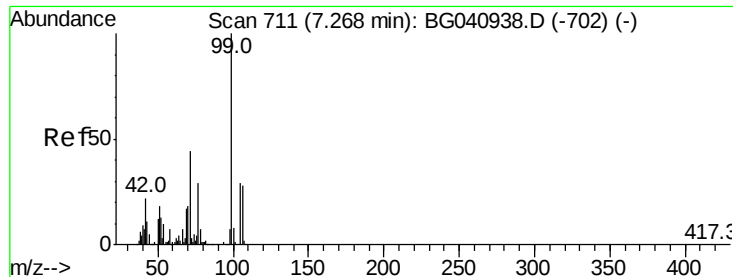
Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0

5.66

Time-->





#7

Phenol-d6

Concen: 134.940 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampled :

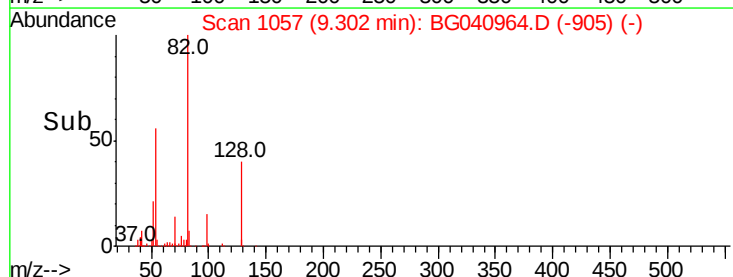
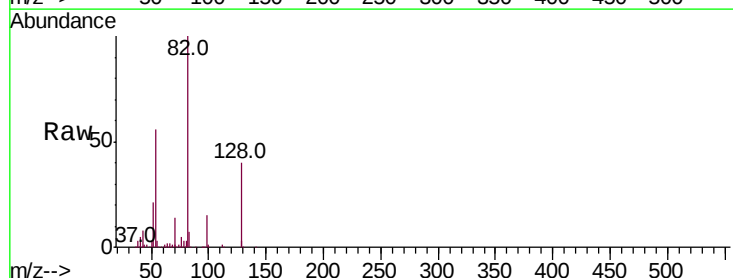
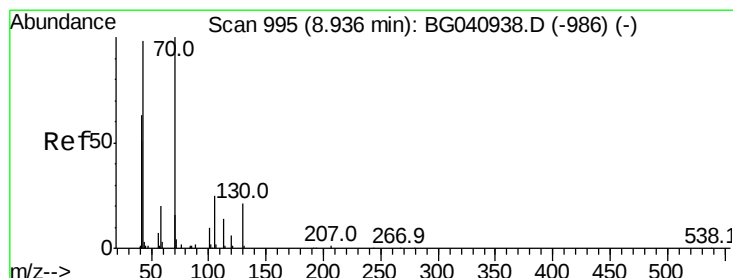
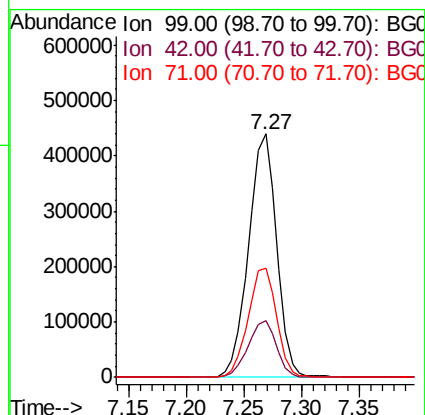
Tot Ion: 99 Resp: 746338

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 44.9 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.001 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.37 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Tgt Ion: 70 Resp: 72364

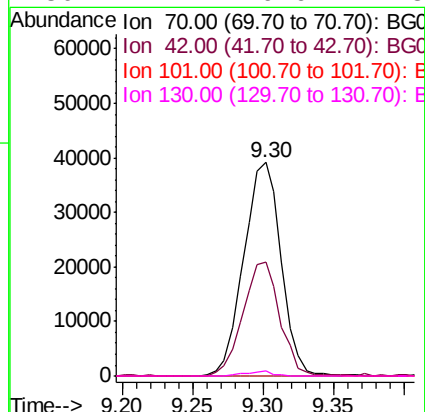
Ion Ratio Lower Upper

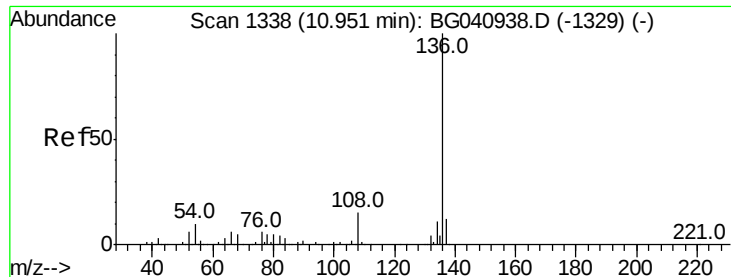
70 100

42 53.1 51.5 77.3

101 0.0 8.1 12.1#

130 2.1 16.6 24.8#

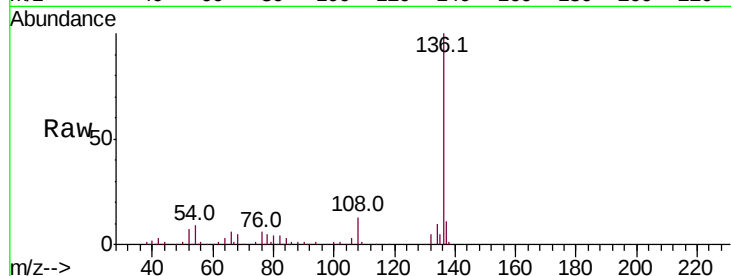




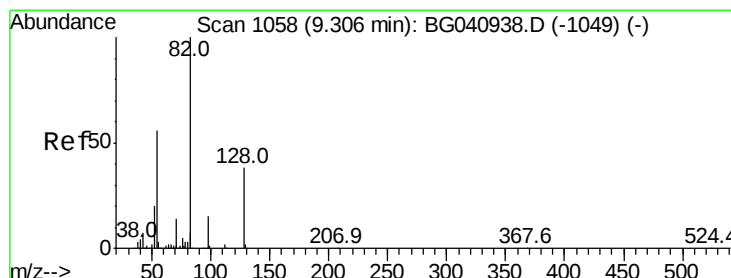
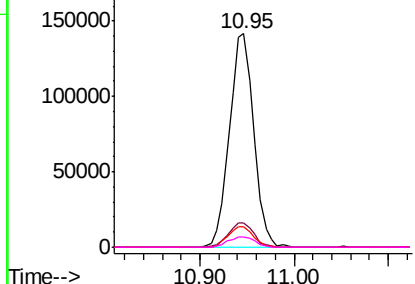
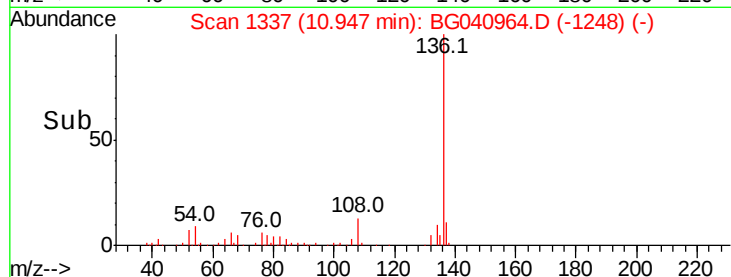
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG040964.D
Acq: 31 May 2019 00:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp: 253825
Ion Ratio	Lower Upper
136 100	
137 11.4	9.5 14.3
54 9.5	7.6 11.4
68 4.6	3.9 5.9

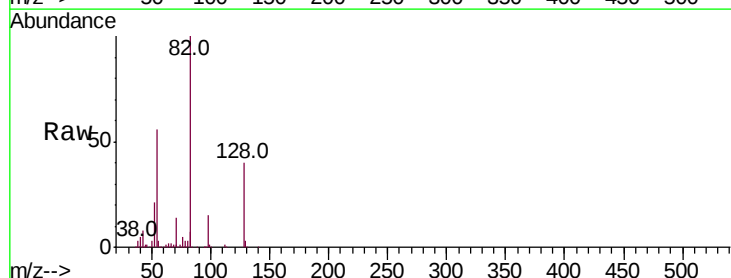


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

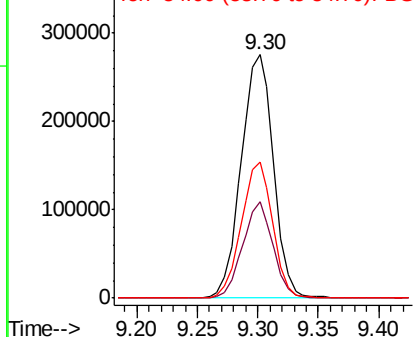
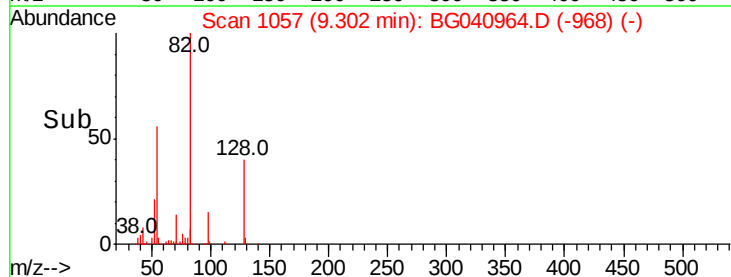


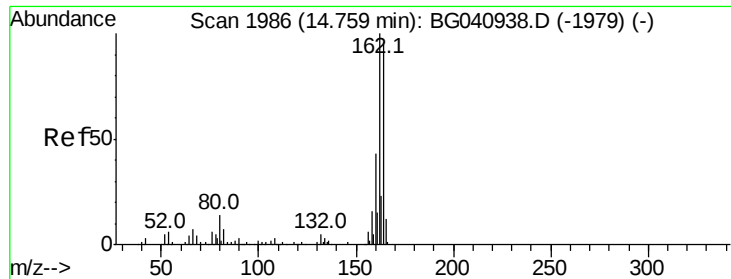
#23
Nitrobenzene-d5
Concen: 89.615 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BG040964.D
Acq: 31 May 2019 00:00

Tgt	Ion: 82	Resp:	512382
Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.5	45.7
54	55.9	44.6	66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampleId :

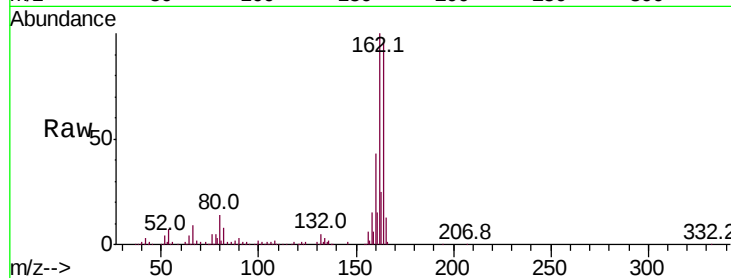
Tot Ion:164 Resp: 185720

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.4

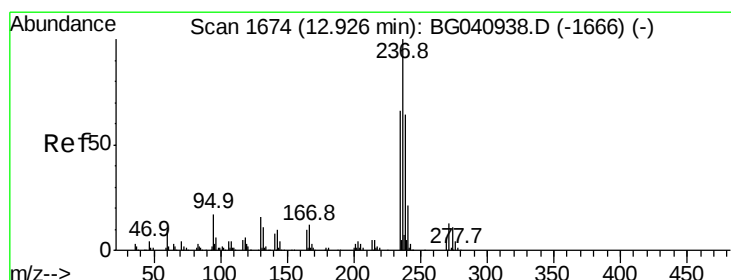
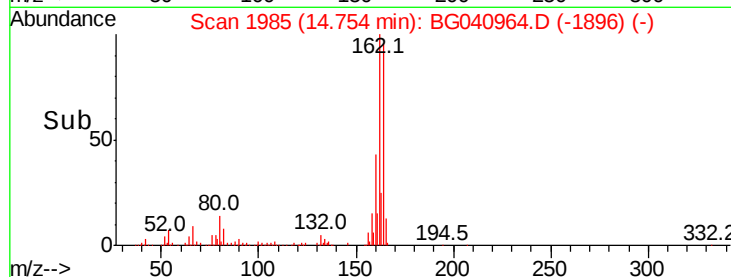
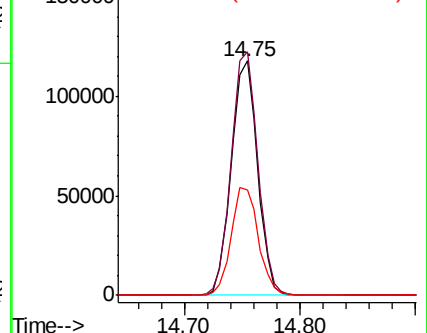
160 45.0 35.6 53.4



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: 8.249 ng

RT: 12.80 min Scan# 1653

Delta R.T. -0.12 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

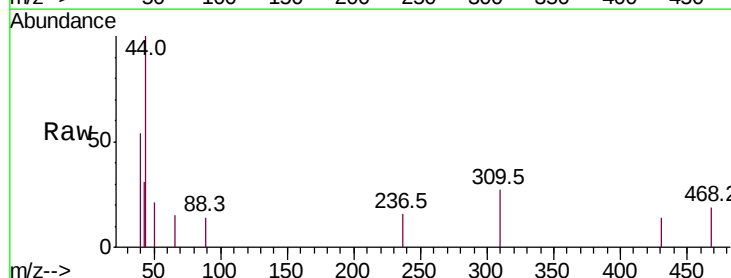
Tgt Ion:237 Resp: 63

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

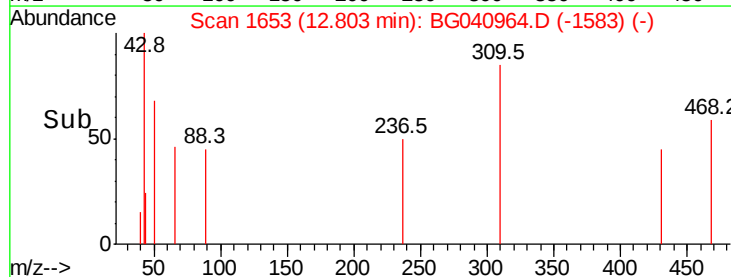
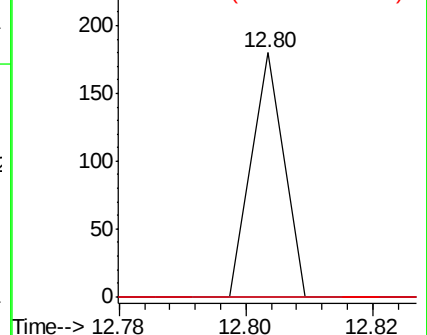
272 0.0 0.0 32.9

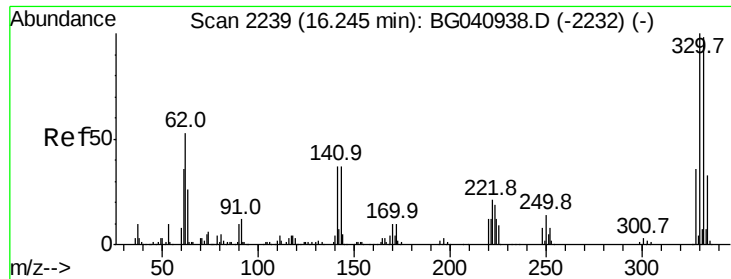


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

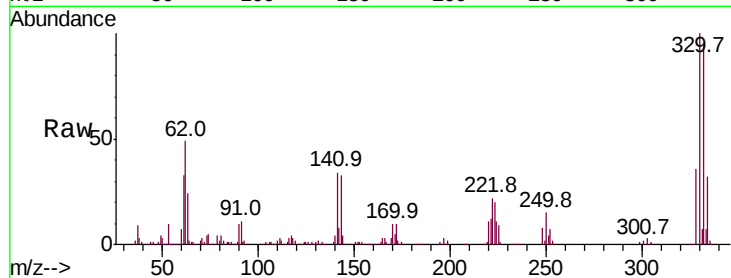




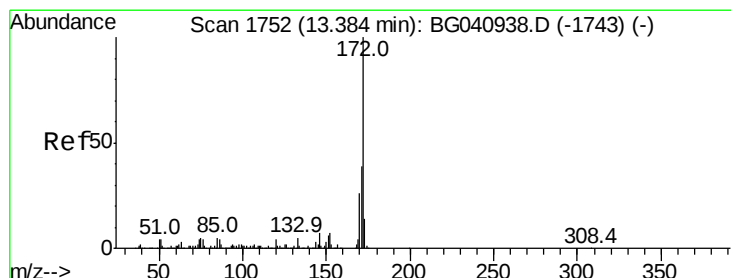
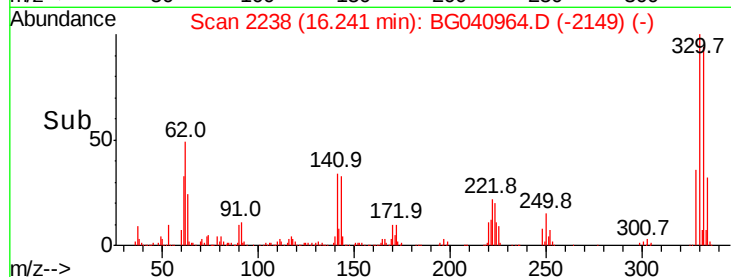
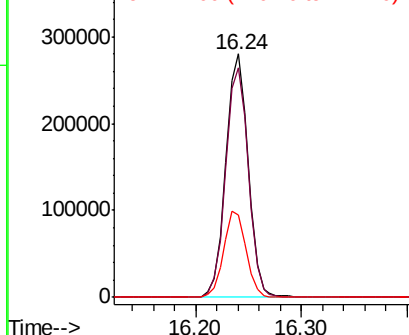
#42
 2,4,6-Tribromophenol
 Concen: 148.311 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.00 min
 Lab File: BG040964.D
 Acq: 31 May 2019 00:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 408914
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 35.6 28.7 43.1

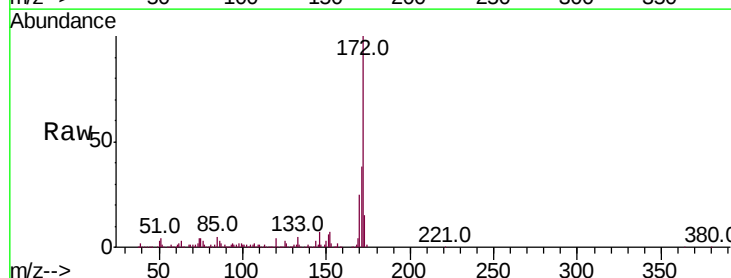


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

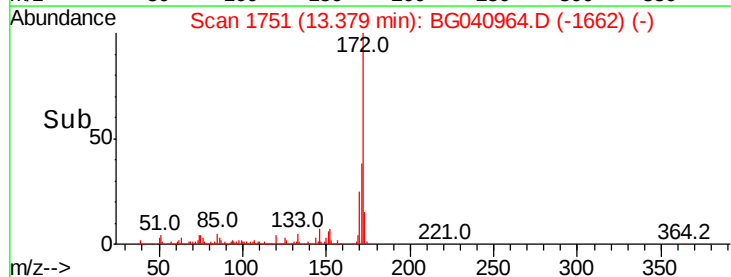
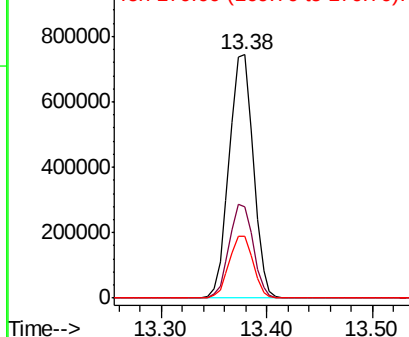


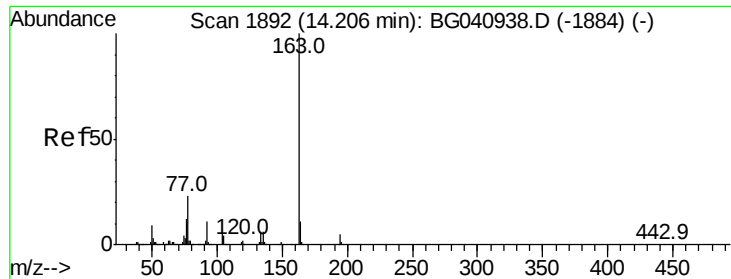
#45
 2-Fluorobiphenyl
 Concen: 91.252 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: BG040964.D
 Acq: 31 May 2019 00:00

Tgt Ion:172 Resp: 1176812
 Ion Ratio Lower Upper
 172 100
 171 37.6 31.1 46.7
 170 25.4 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: 11.141 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampleId :

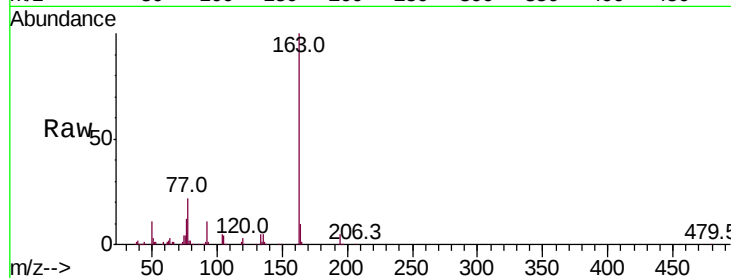
Tot Ion:163 Resp: 175154

Ion Ratio Lower Upper

163 100

194 4.8 3.8 5.8

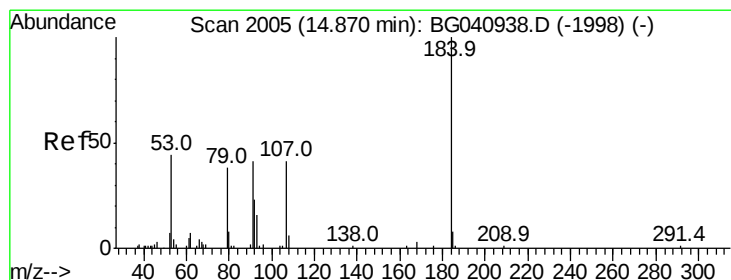
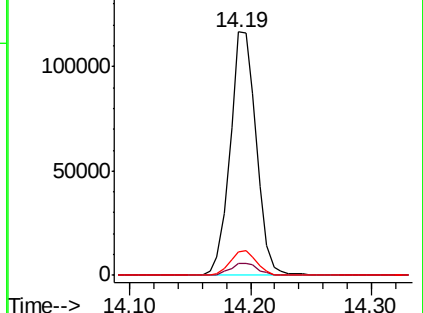
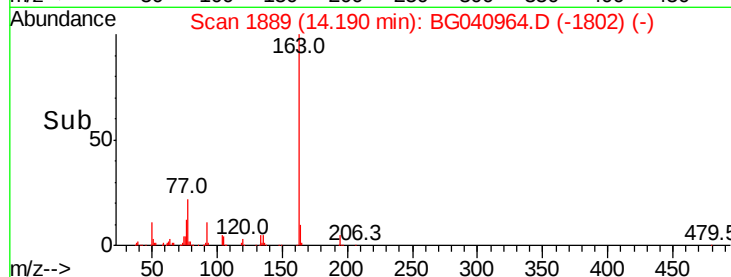
164 9.8 8.7 13.1



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: 8.302 ng

RT: 15.37 min Scan# 2089

Delta R.T. 0.50 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

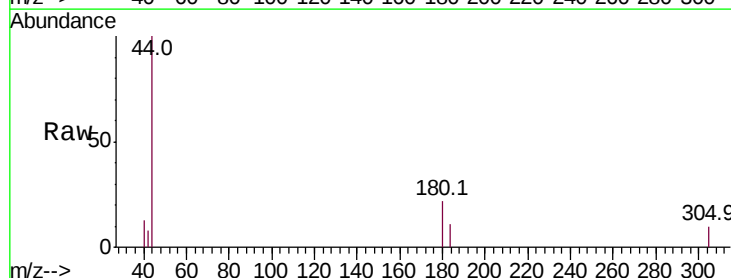
Tgt Ion:184 Resp: 72

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

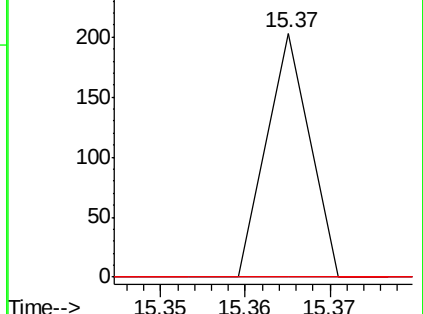
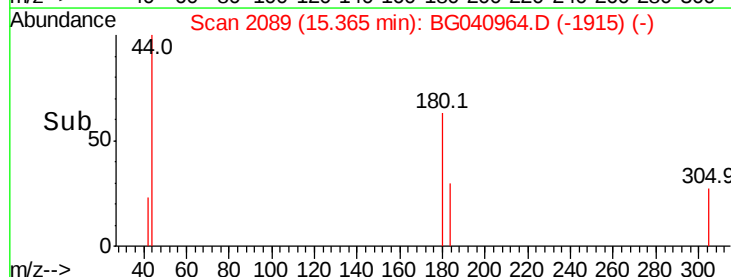
154 0.0 52.2 78.4#

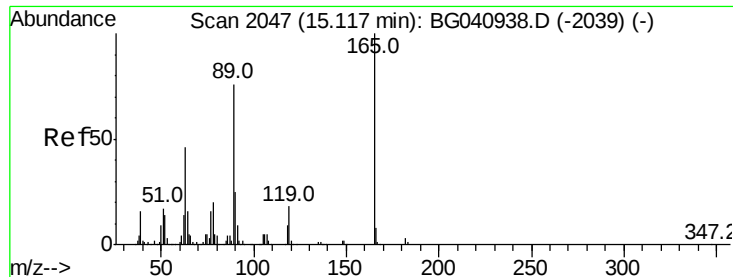


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

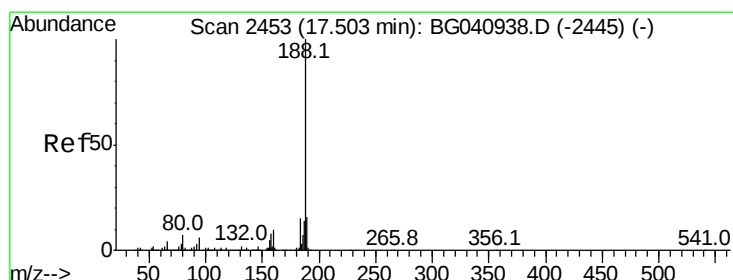
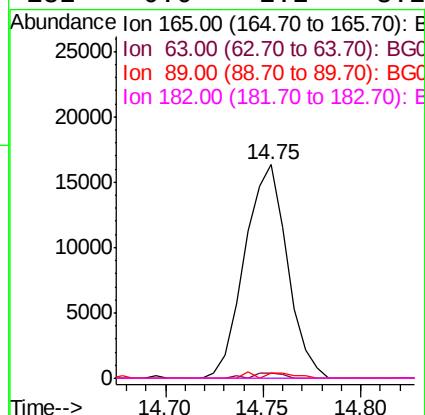
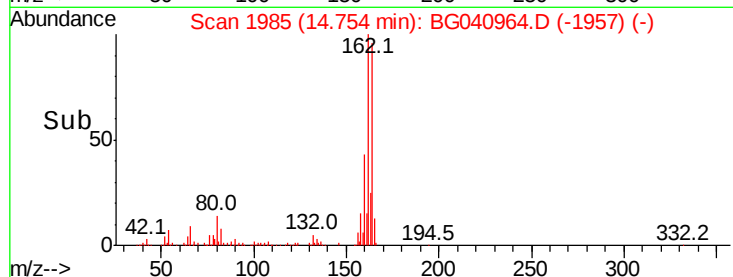
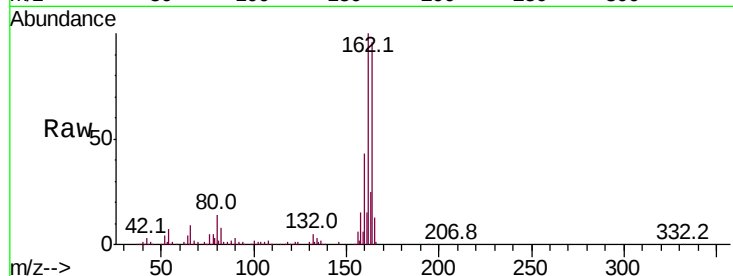




#57
2,4-Dinitrotoluene
Concen: 5.157 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.36 min
Lab File: BG040964.D
Acq: 31 May 2019 00:00

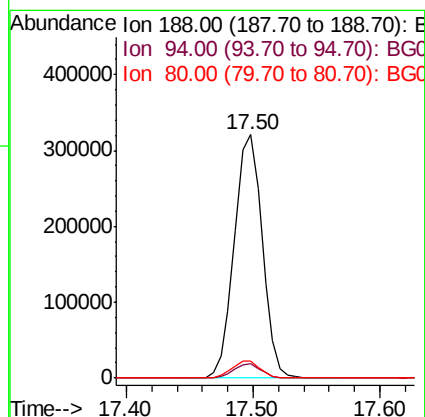
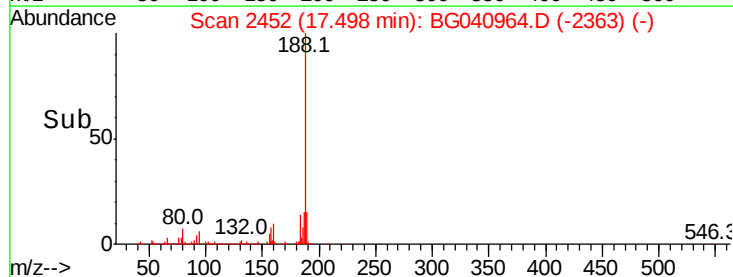
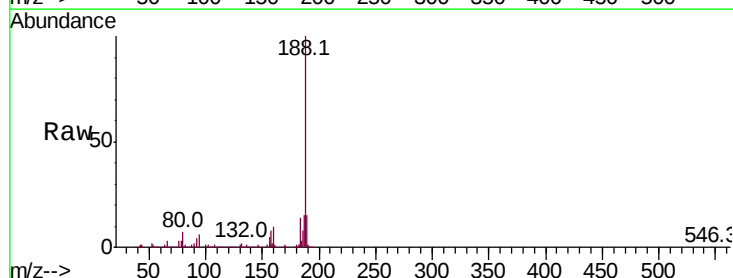
Instrument :
BNA_G
ClientSampleId :

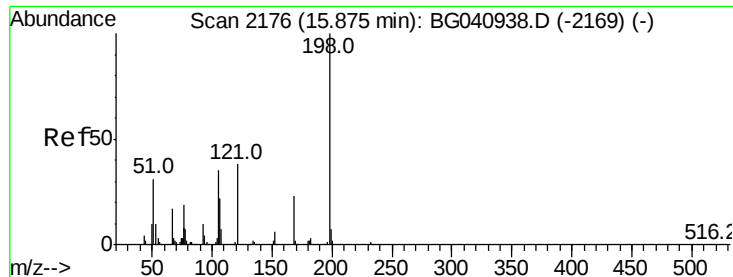
Tot Ion:165 Resp: 24693
Ion Ratio Lower Upper
165 100
63 2.4 37.3 55.9#
89 2.3 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.00 min
Lab File: BG040964.D
Acq: 31 May 2019 00:00

Tgt Ion:188 Resp: 489304
Ion Ratio Lower Upper
188 100
94 5.9 4.7 7.1
80 7.0 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.958 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampled :

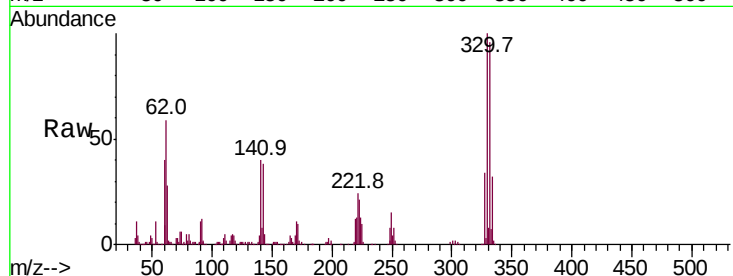
Tot Ion:198 Resp: 1176

Ion Ratio Lower Upper

198 100

51 122.7 21.6 61.6#

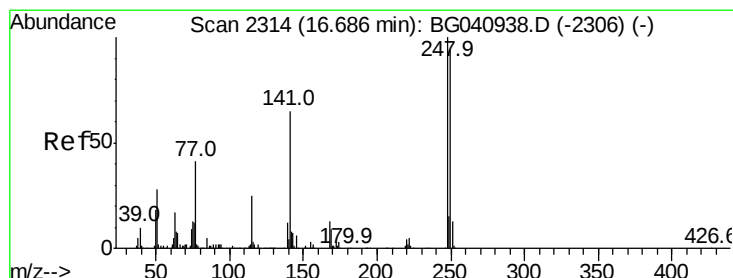
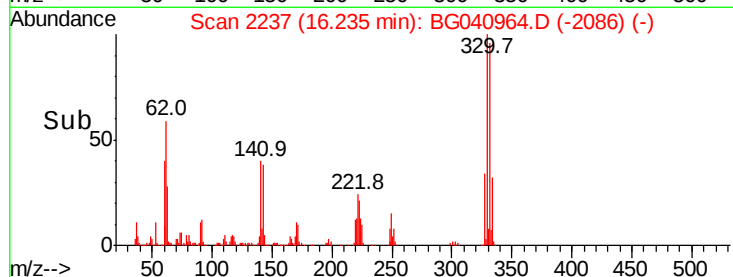
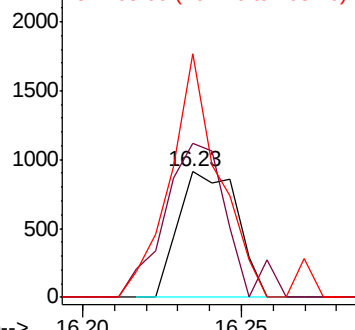
105 193.6 17.5 57.5#



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: 4.729 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

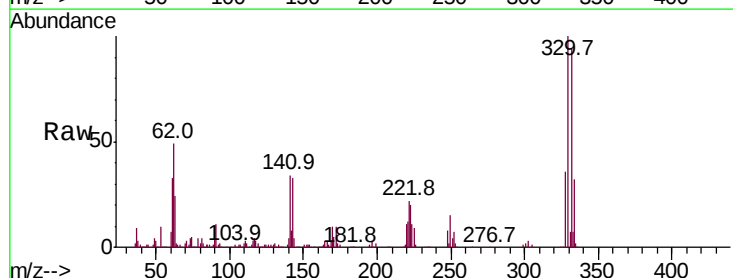
Tgt Ion:248 Resp: 31227

Ion Ratio Lower Upper

248 100

250 186.6 75.0 112.4#

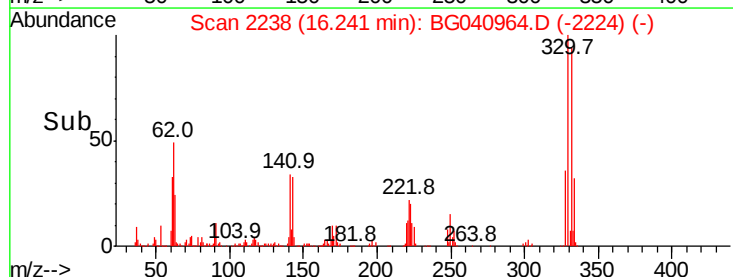
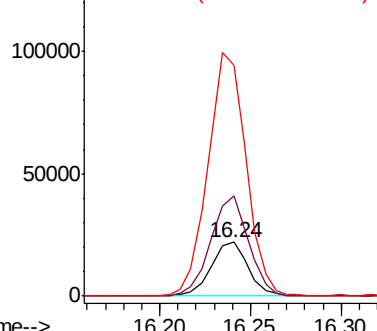
141 429.7 52.4 78.6#

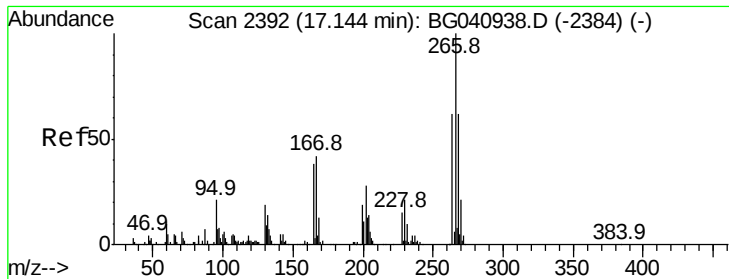


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

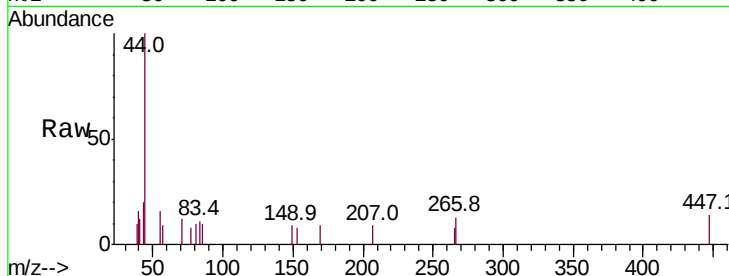




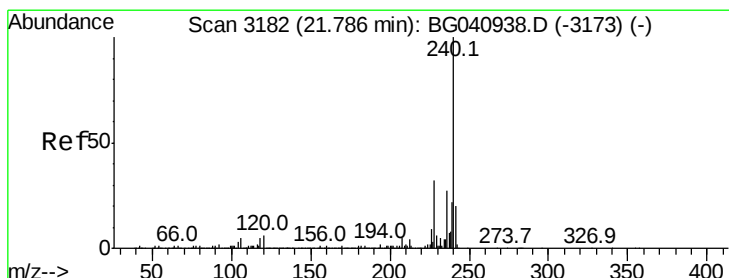
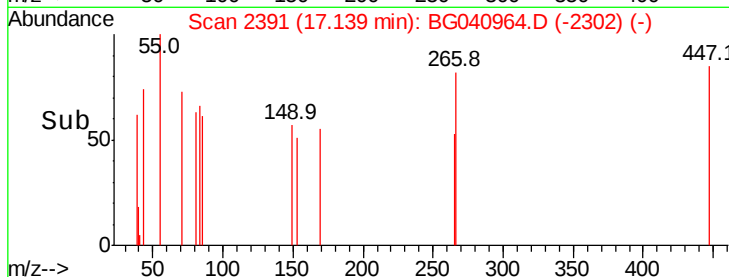
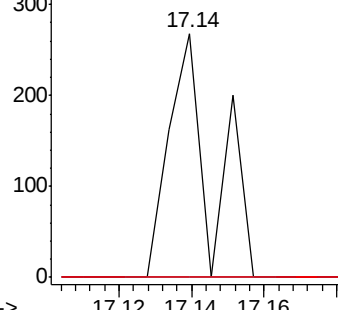
#70
 Pentachlorophenol
 Concen: 4.312 ng
 RT: 17.14 min Scan# 2391
 Delta R.T. -0.00 min
 Lab File: BG040964.D
 Acq: 31 May 2019 00:00

Instrument :
 BNA_G
 ClientSampled :

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

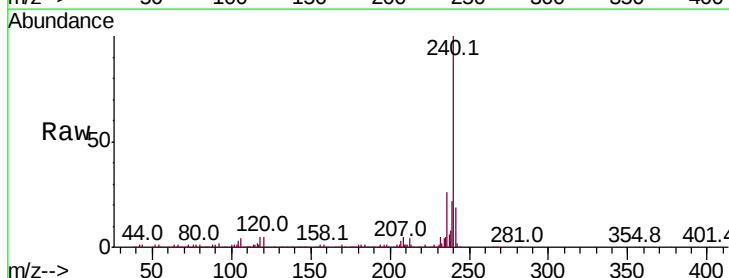


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

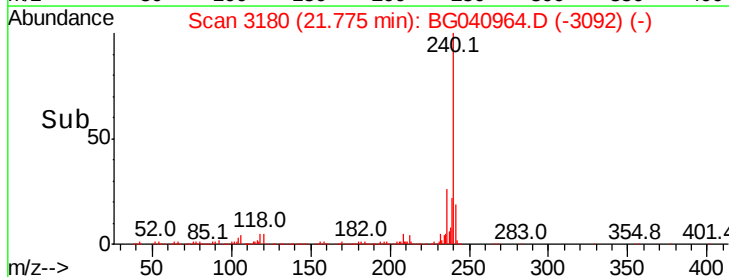
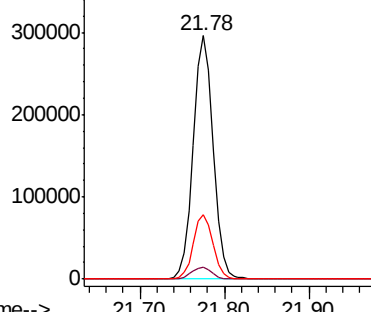


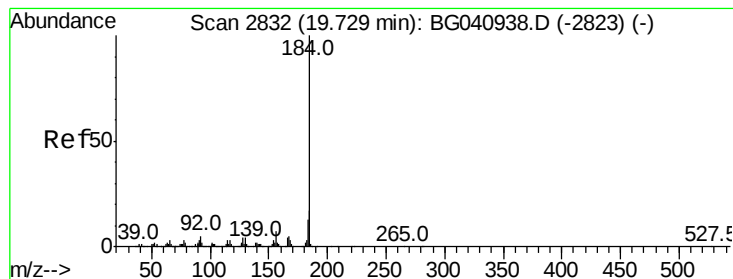
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG040964.D
 Acq: 31 May 2019 00:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.5	6.7
236	26.3	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: 3.159 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.37 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

Instrument :

BNA_G

ClientSampleId :

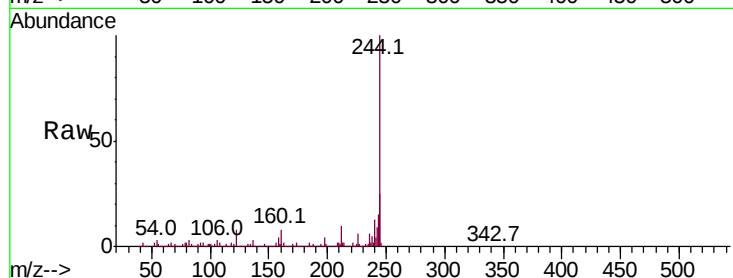
Tot Ion:184 Resp: 36548

Ion Ratio Lower Upper

184 100

185 16.8 13.3 19.9

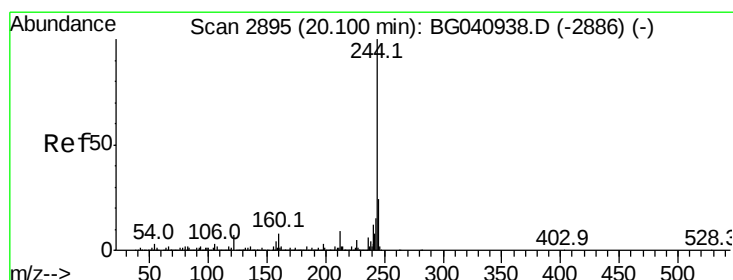
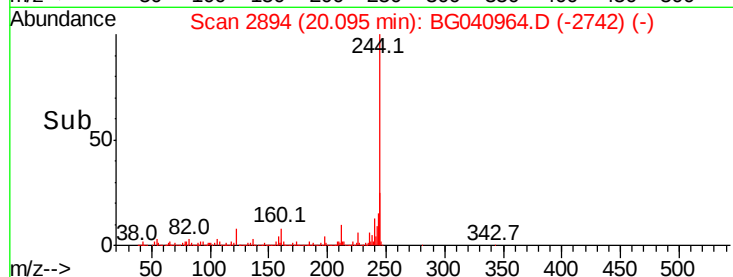
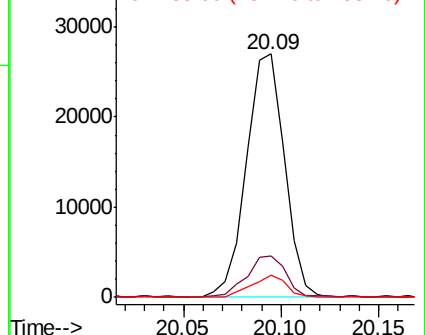
183 9.1 10.7 16.1#



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: 87.825 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BG040964.D

Acq: 31 May 2019 00:00

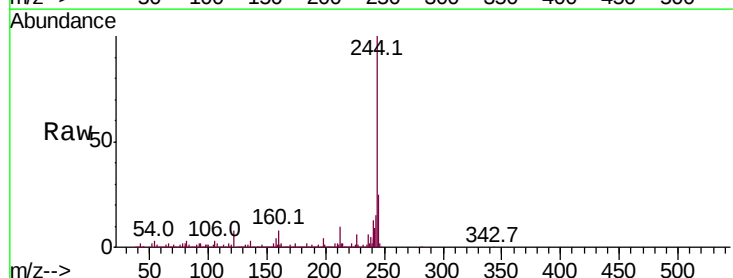
Tgt Ion:244 Resp: 2006652

Ion Ratio Lower Upper

244 100

212 9.7 7.0 10.4

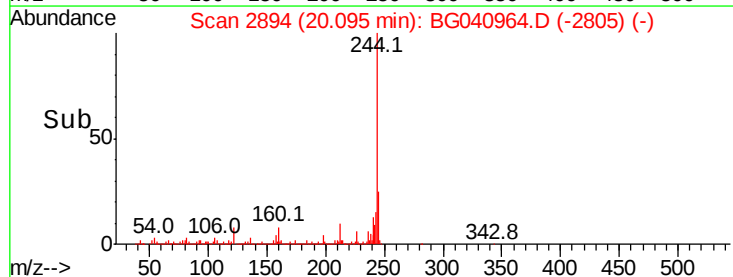
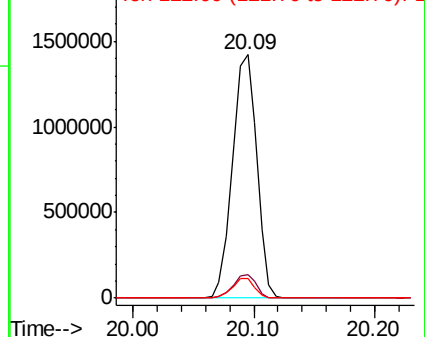
122 8.1 5.4 8.0#

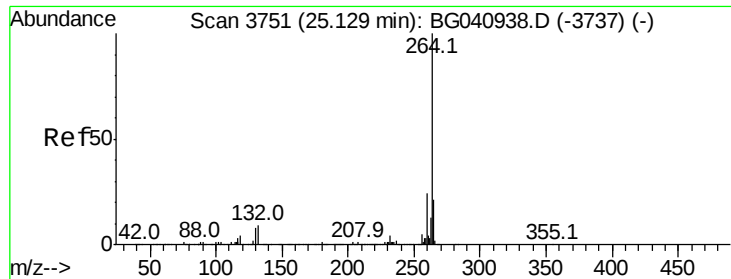


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

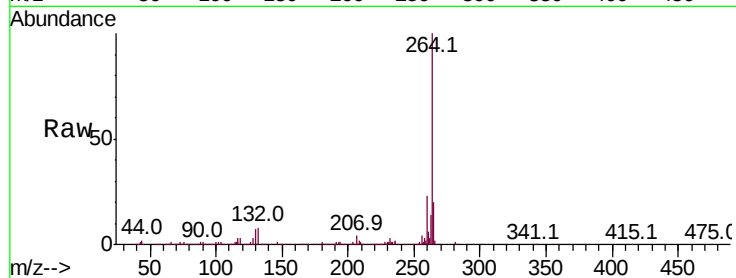




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3749
 Delta R.T. -0.01 min
 Lab File: BG040964.D
 Acq: 31 May 2019 00:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	20.3	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

