

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040957.D
 Acq On : 30 May 2019 19:33
 Operator : HP/JU
 Sample : K3075-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:03:46 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

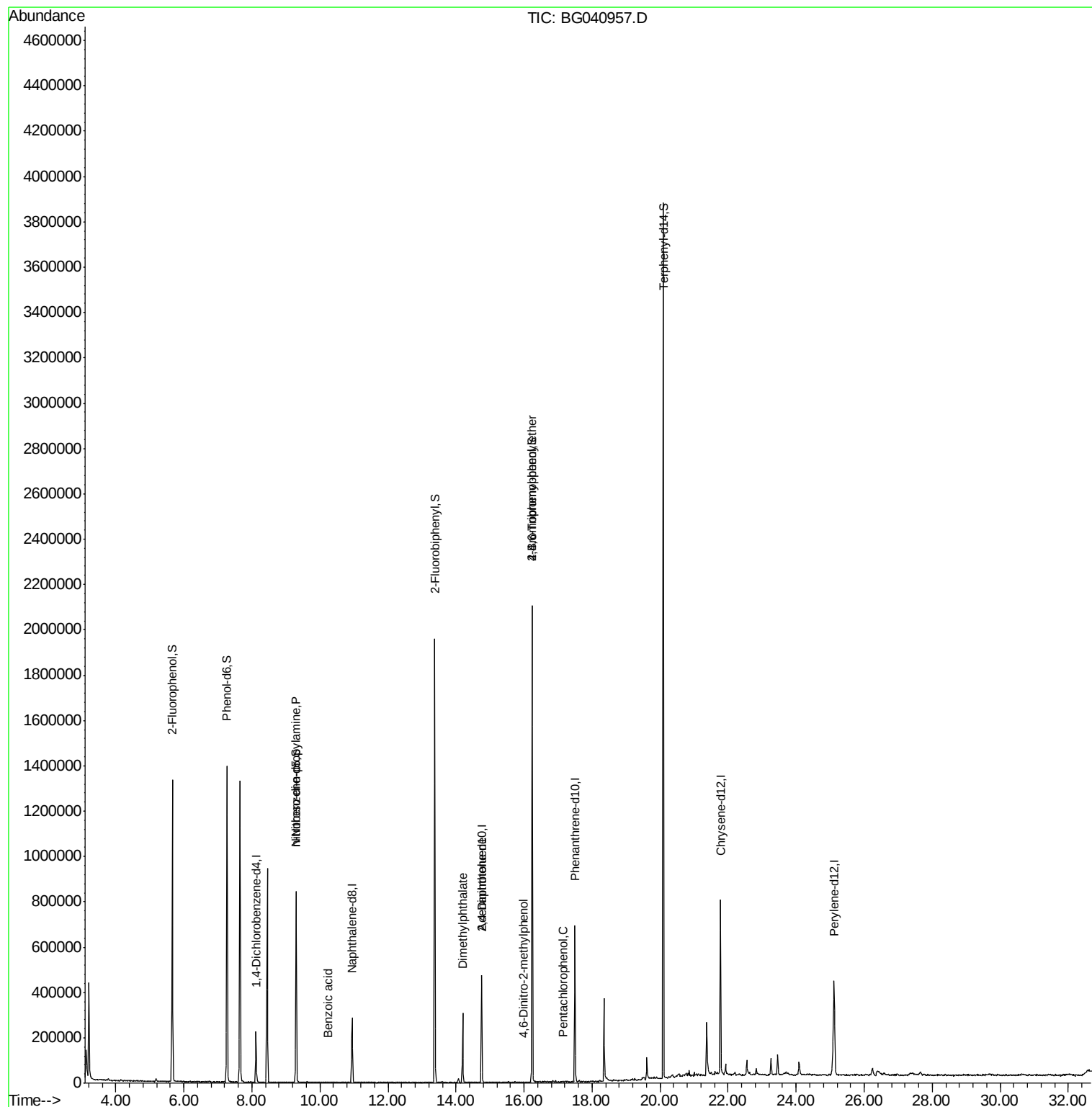
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	59079	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	225382	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164199	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	433623	20.00	ng	0.00
76) Chrysene-d12	21.77	240	457049	20.00	ng	-0.01
87) Perylene-d12	25.12	264	478835	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	497544	151.86	ng	0.00
7) Phenol-d6	7.27	99	716280	141.56	ng	0.00
23) Nitrobenzene-d5	9.30	82	493754	97.26	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	386198	158.43	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1004534	88.10	ng	0.00
79) Terphenyl-d14	20.09	244	1760360	81.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	69654	17.888	ng	Qvalue # 76
32) Benzoic acid	10.23	122	96	8.159	ng	# 1
50) Dimethylphthalate	14.19	163	192477	13.848	ng	96
57) 2,4-Dinitrotoluene	14.75	165	21198	5.007	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.98	198	55	8.609	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	27876	4.764	ng	# 1
70) Pentachlorophenol	17.14	266	439	4.380	ng	# 54

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

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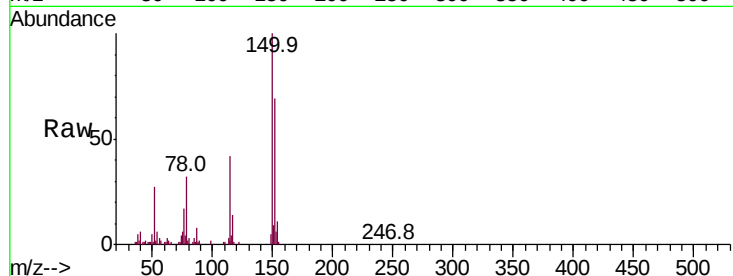


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.6	120.6	180.8
115	61.0	45.1	67.7

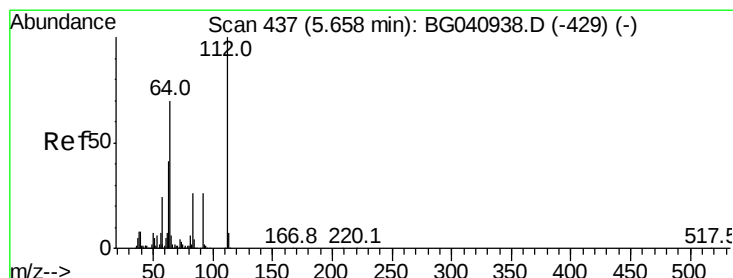
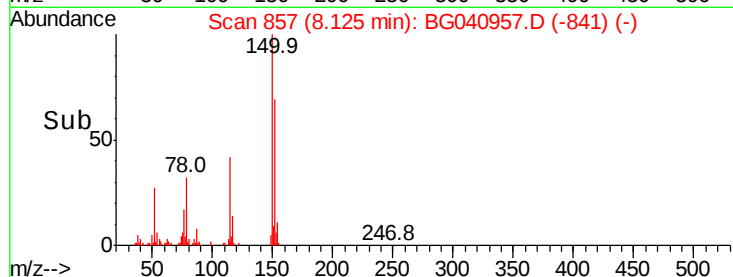
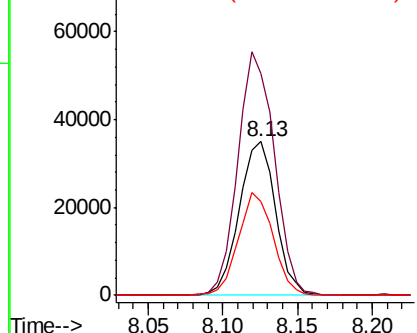


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

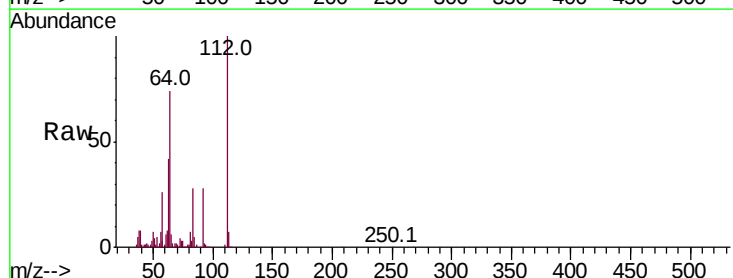
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 151.861 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.5	56.2	84.2
63	41.7	32.8	49.2

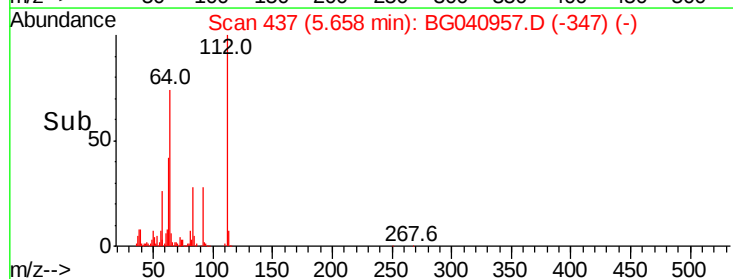
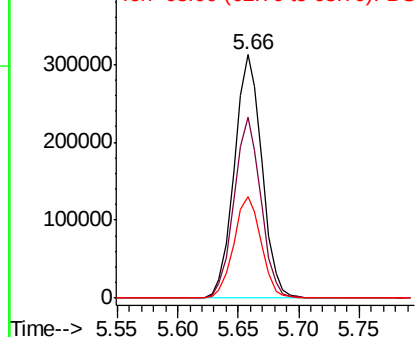


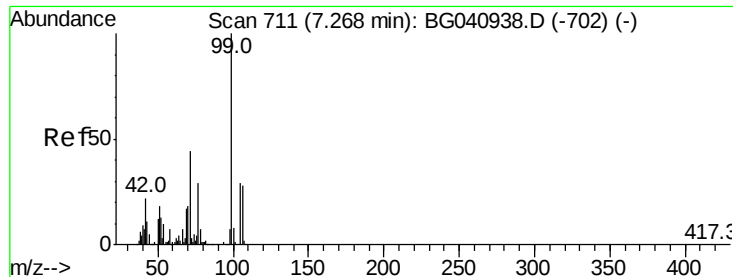
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 141.559 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

Instrument :

BNA_G

ClientSampled :

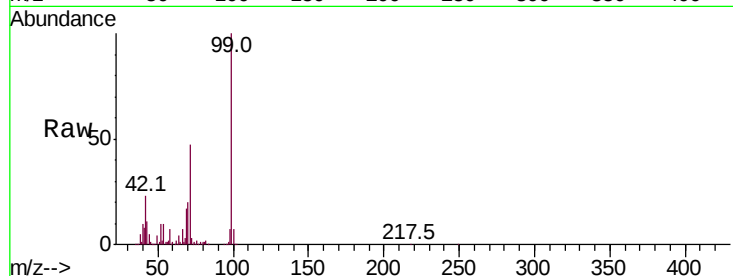
Tot Ion: 99 Resp: 716280

Ion Ratio Lower Upper

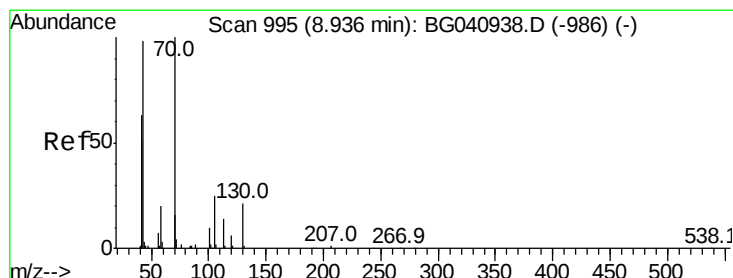
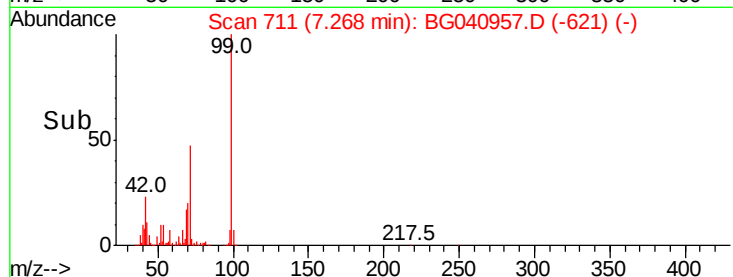
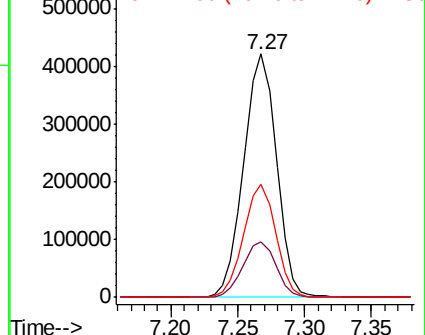
99 100

42 22.6 17.9 26.9

71 46.6 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: 17.888 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

Tgt Ion: 70 Resp: 69654

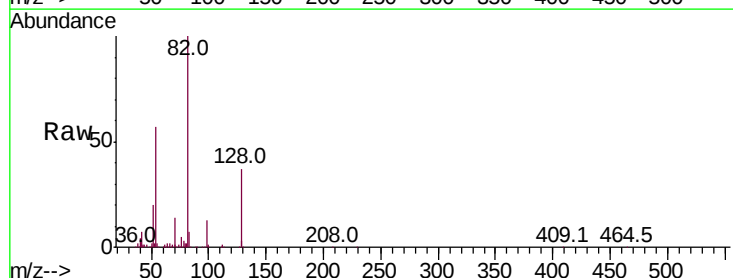
Ion Ratio Lower Upper

70 100

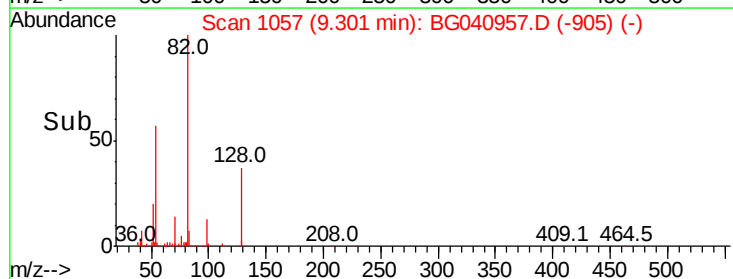
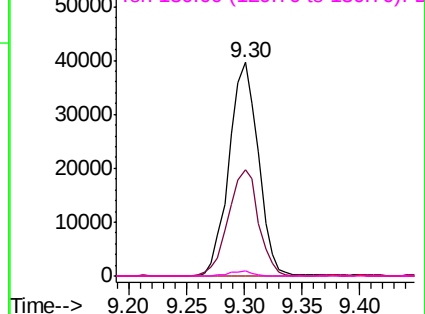
42 50.0 51.5 77.3#

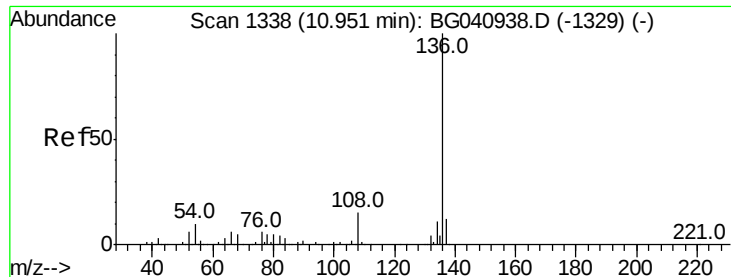
101 0.0 8.1 12.1#

130 2.3 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

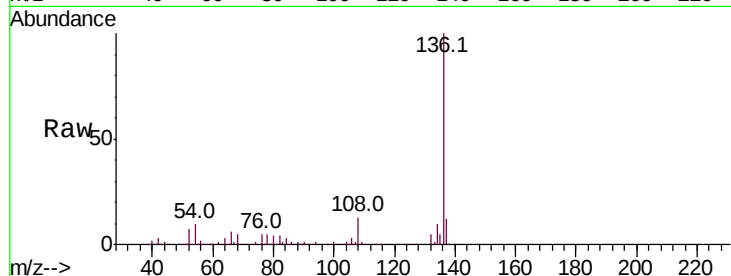




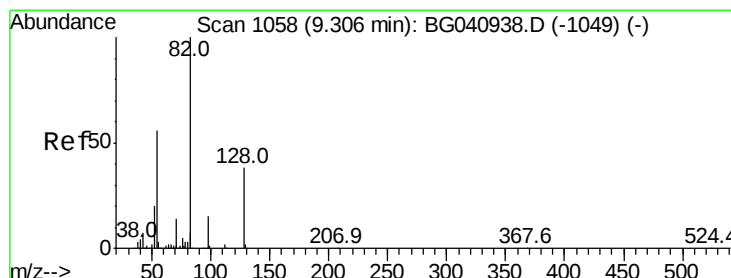
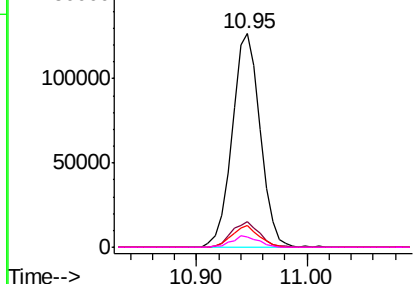
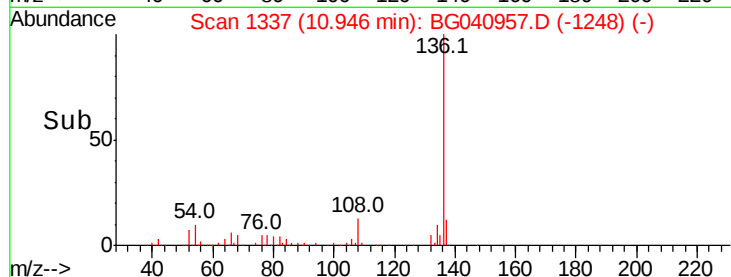
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	225382
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.5 14.3
54	10.4	7.6 11.4
68	4.5	3.9 5.9

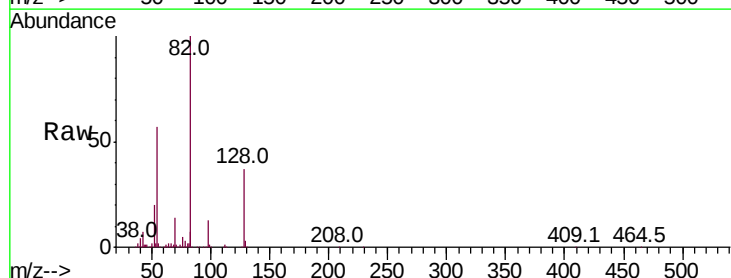


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

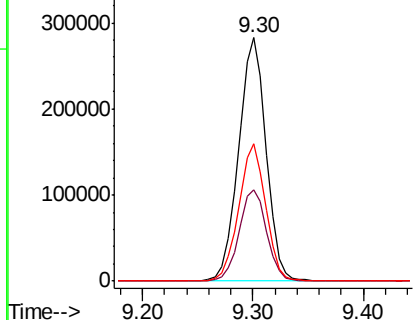
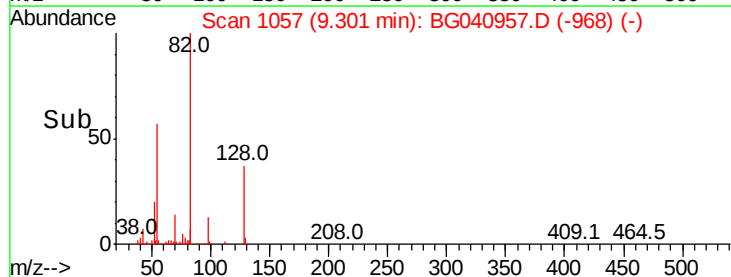


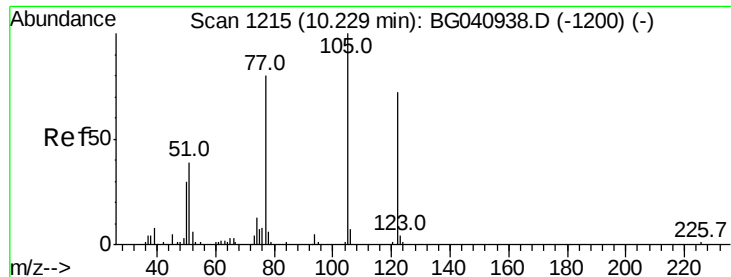
#23
Nitrobenzene-d5
Concen: 97.255 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Tgt Ion: 82	Resp:	493754
Ion Ratio	Lower	Upper
82	100	
128	37.4	30.5 45.7
54	56.5	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





#32

Benzoic acid

Concen: 8.159 ng

RT: 10.23 min Scan# 1216

Delta R.T. 0.01 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

Instrument :

BNA_G

ClientSampleId :

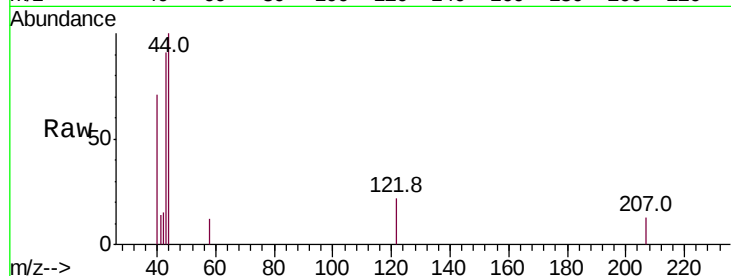
Tot Ion:122 Resp: 96

Ion Ratio Lower Upper

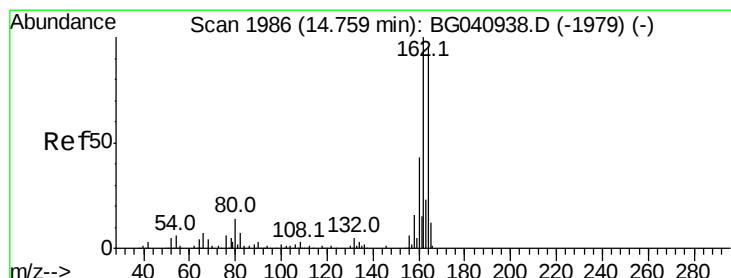
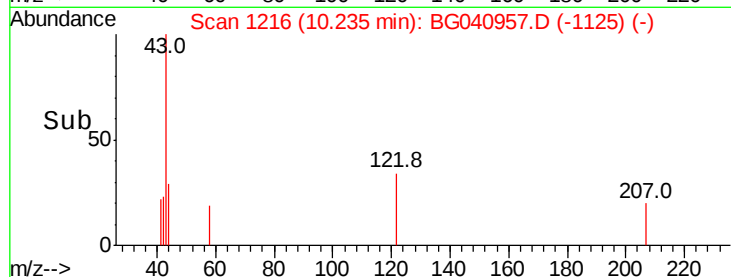
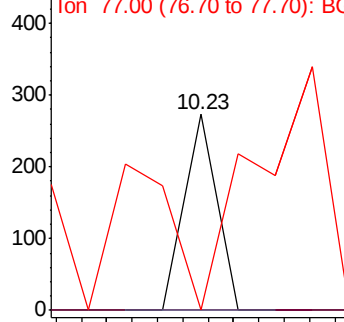
122 100

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): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

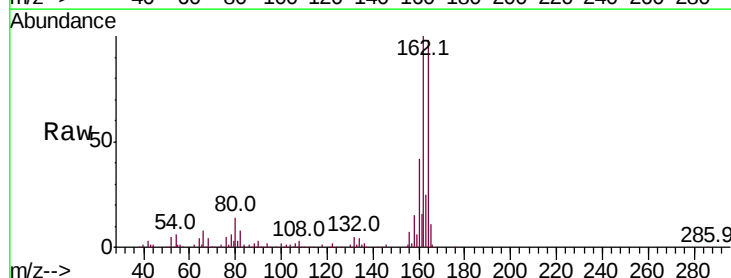
Tgt Ion:164 Resp: 164199

Ion Ratio Lower Upper

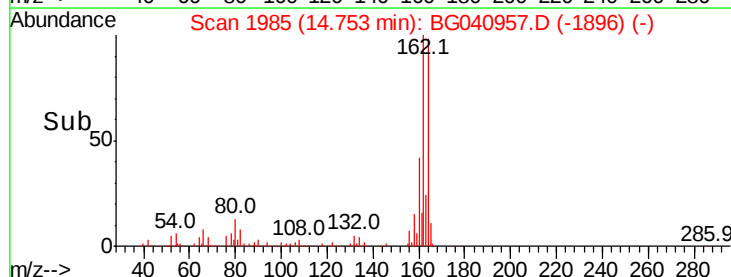
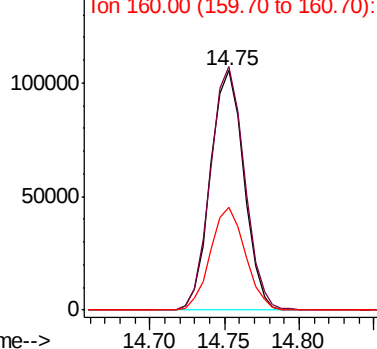
164 100

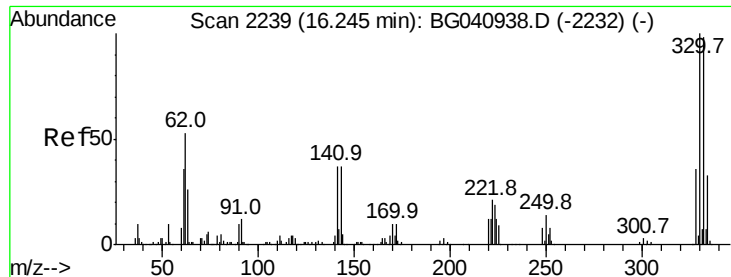
162 101.6 83.0 124.4

160 43.0 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

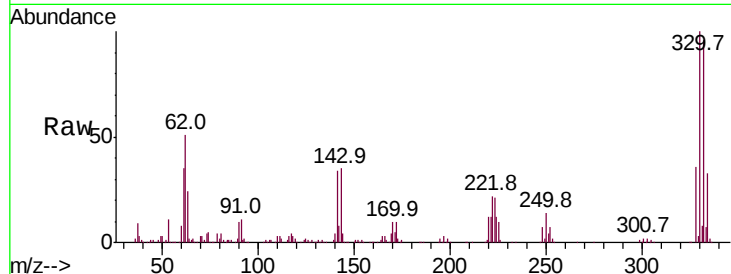




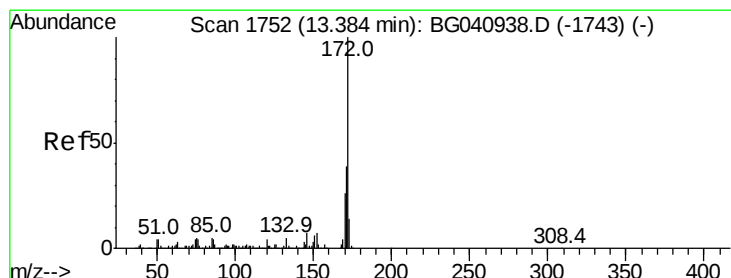
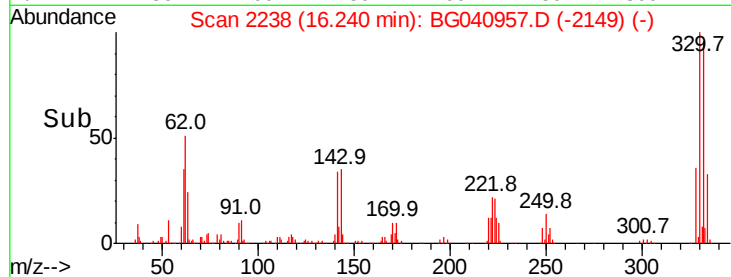
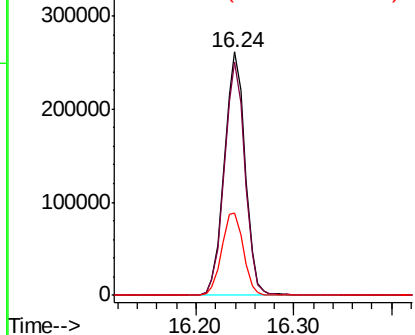
#42
 2,4,6-Tribromophenol
 Concen: 158.431 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040957.D
 Acq: 30 May 2019 19:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.5	117.7
141	35.3	28.7	43.1

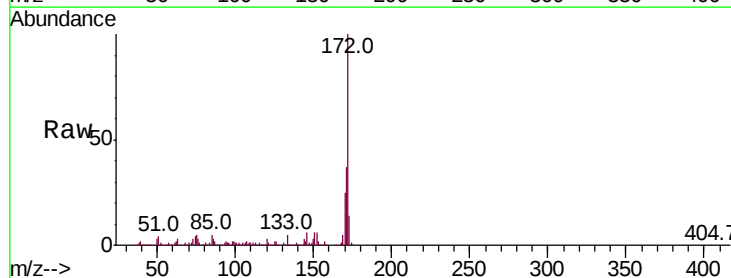


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

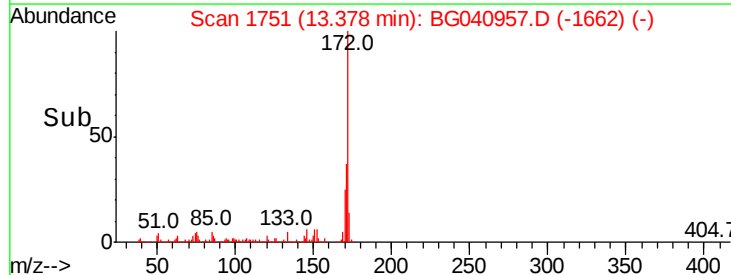
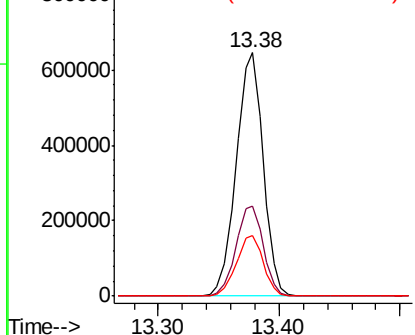


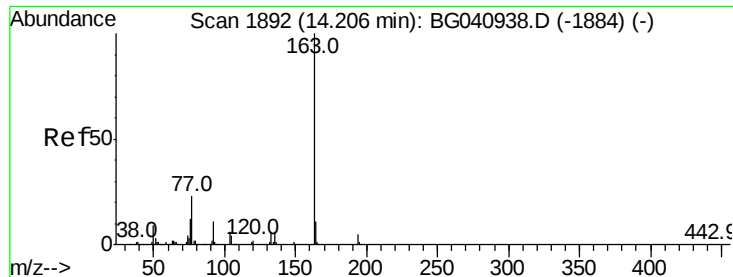
#45
 2-Fluorobiphenyl
 Concen: 88.103 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040957.D
 Acq: 30 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.1	46.7
170	24.6	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: 13.848 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

Instrument :

BNA_G

ClientSampleId :

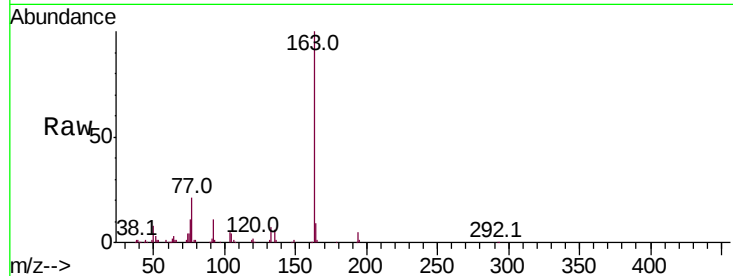
Tot Ion:163 Resp: 192477

Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.8

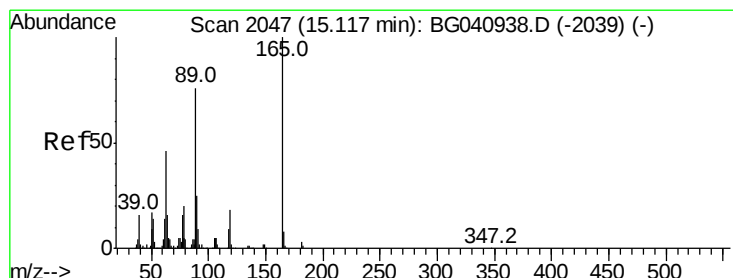
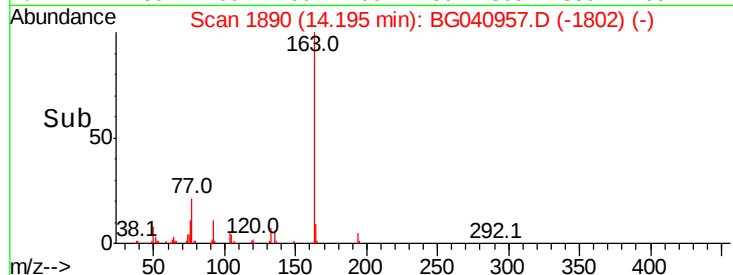
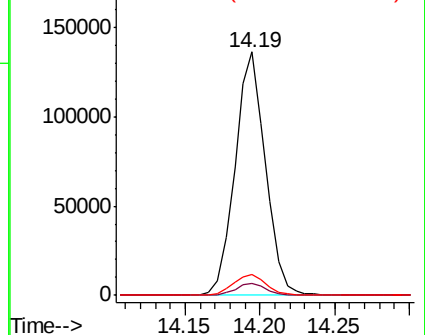
164 8.8 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 5.007 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

Tgt Ion:165 Resp: 21198

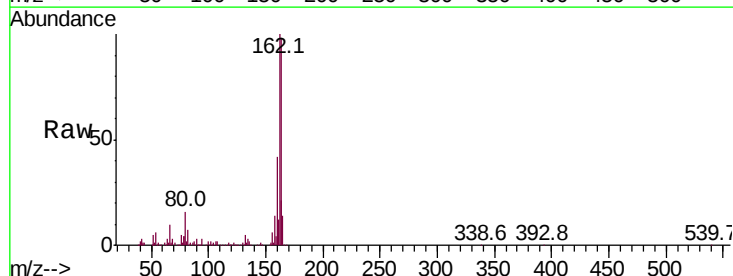
Ion Ratio Lower Upper

165 100

63 2.2 37.3 55.9#

89 1.2 61.0 91.6#

182 0.0 2.2 3.2#

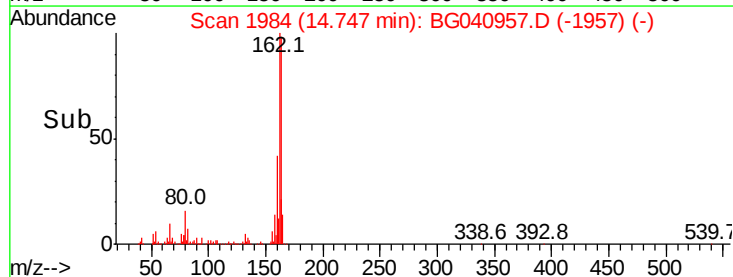
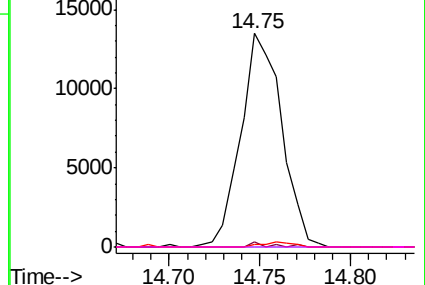


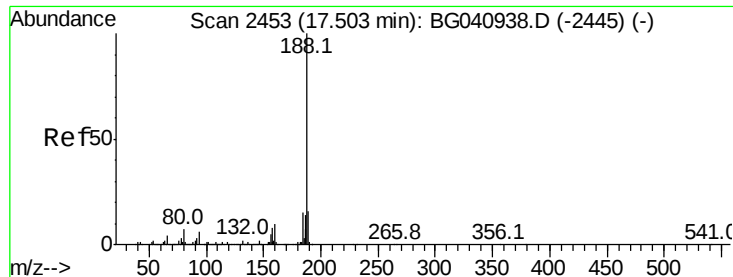
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040957.D

Acq: 30 May 2019 19:33

Instrument :

BNA_G

ClientSampleId :

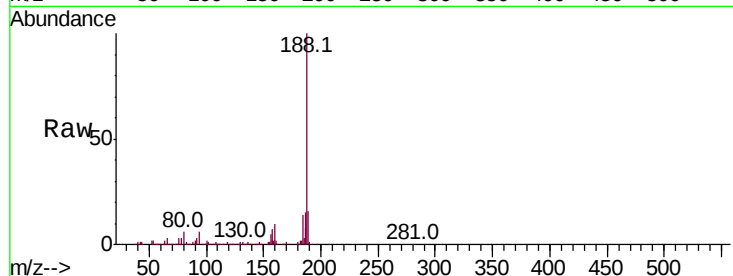
Tot Ion:188 Resp: 433623

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

80 6.1 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

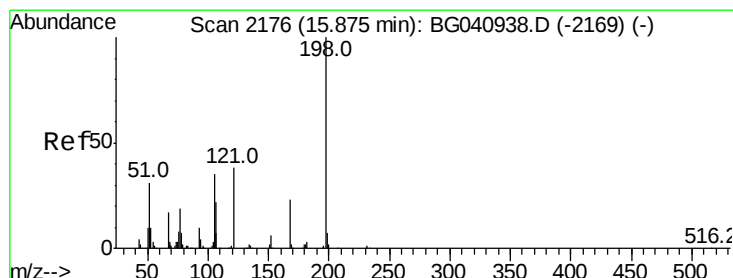
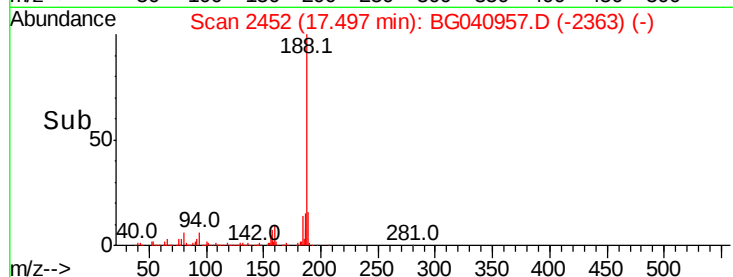
300000 17.50

200000

100000

0

Time--> 17.40 17.50



#65

4,6-Dinitro-2-methylphenol

Concen: 8.609 ng

RT: 15.98 min Scan# 2193

Delta R.T. 0.10 min

Lab File: BG040957.D

Acq: 30 May 2019 19:33

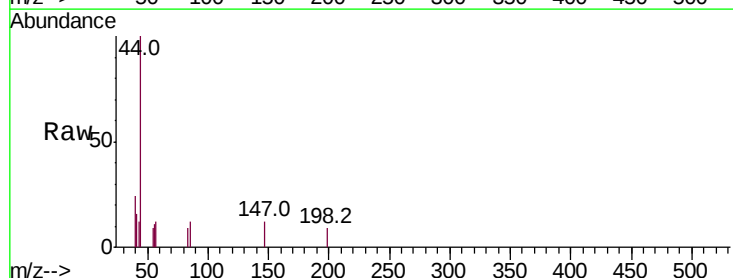
Tgt Ion:198 Resp: 55

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

200 15.98

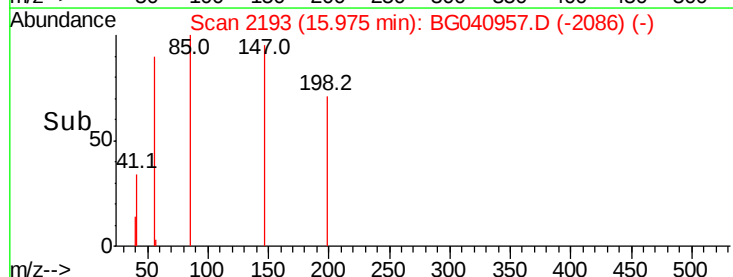
150

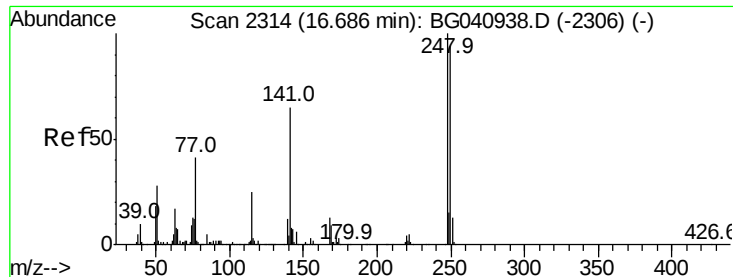
100

50

0

Time--> 15.96 15.98

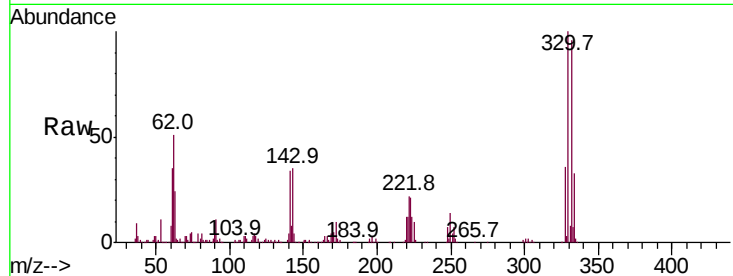




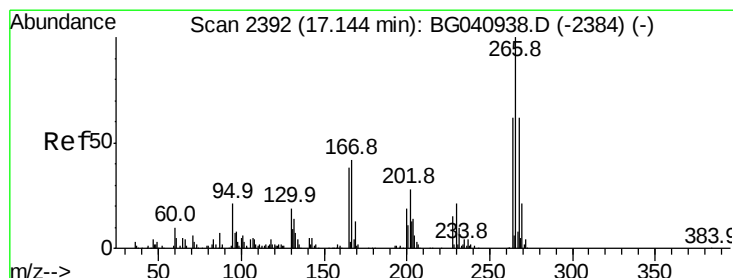
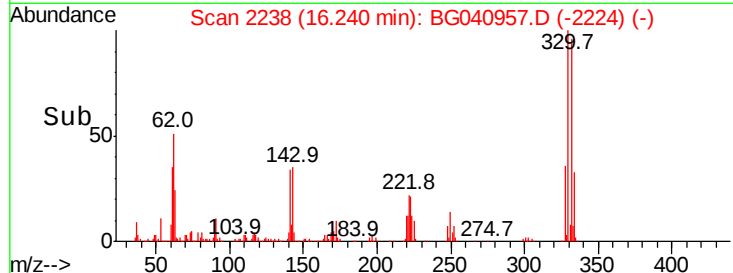
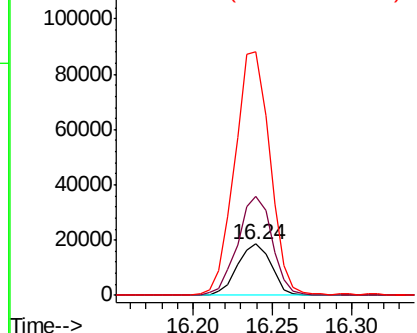
#67
4-Bromophenyl-phenylether
Concen: 4.764 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27876
Ion Ratio Lower Upper
248 100
250 192.8 75.0 112.4#
141 473.8 52.4 78.6#

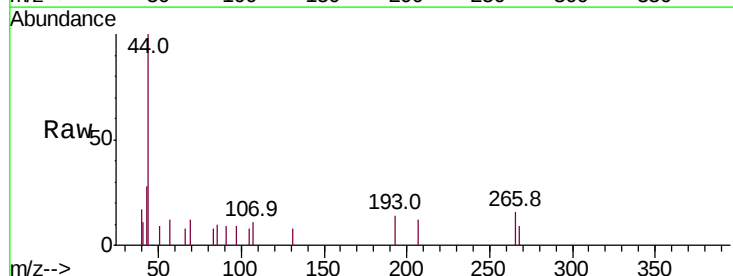


Abundance Ion 248.00 (247.70 to 248.70): E
120000
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

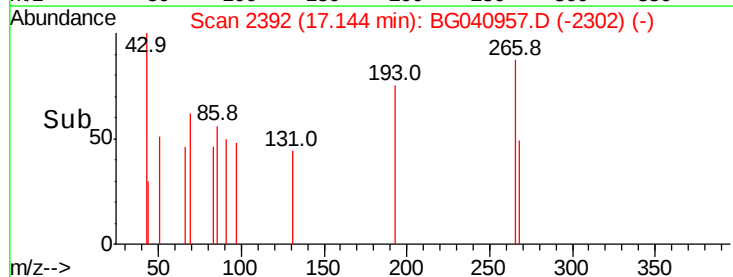
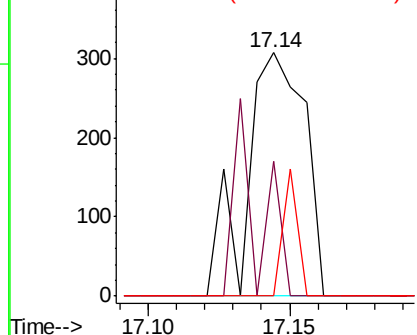


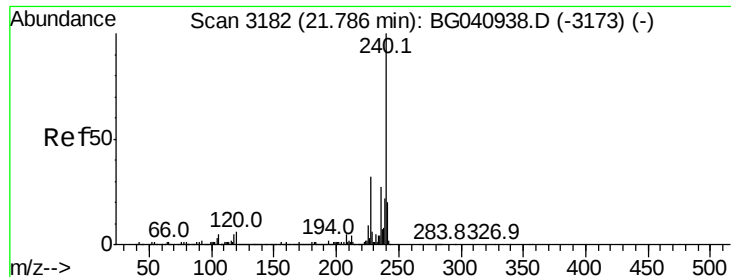
#70
Pentachlorophenol
Concen: 4.380 ng
RT: 17.14 min Scan# 2392
Delta R.T. 0.00 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Tgt Ion:266 Resp: 439
Ion Ratio Lower Upper
266 100
268 55.7 53.1 79.7
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
400
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

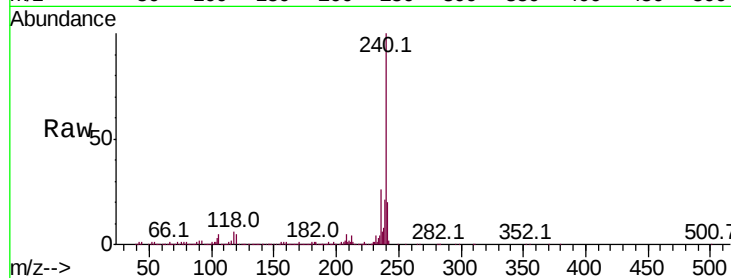




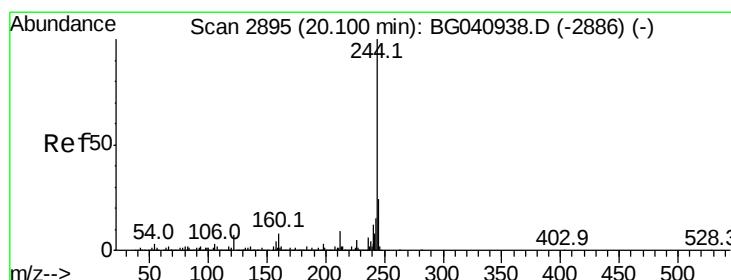
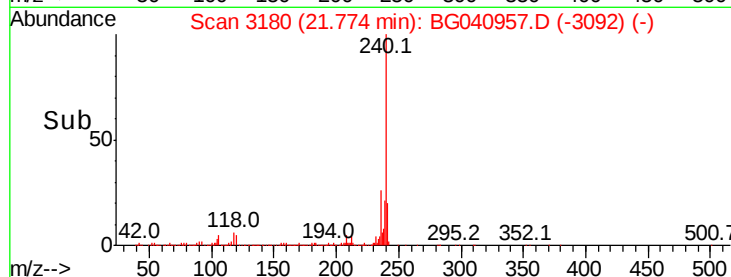
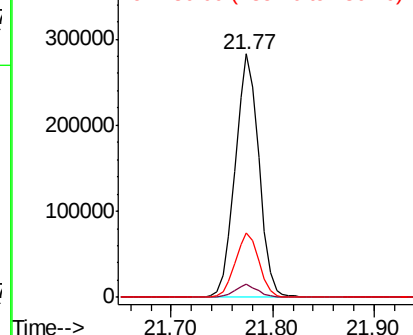
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 457049
Ion Ratio Lower Upper
240 100
120 5.2 4.5 6.7
236 26.2 21.3 31.9

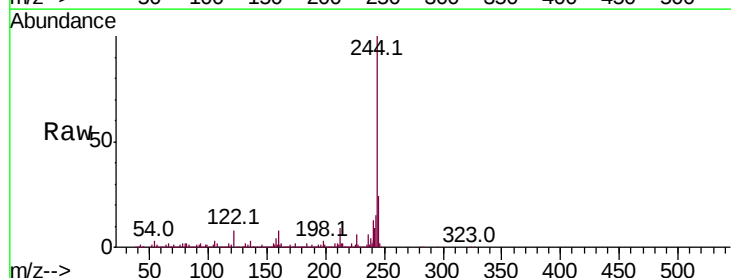


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

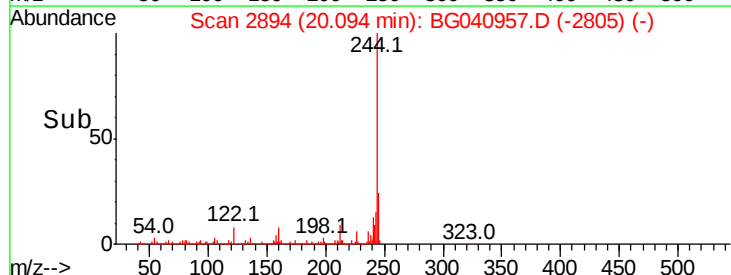
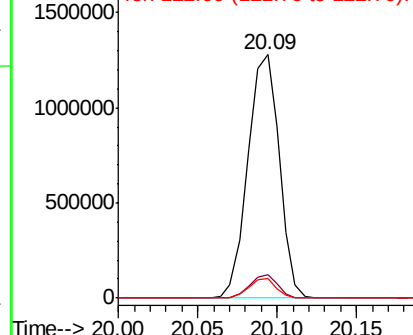


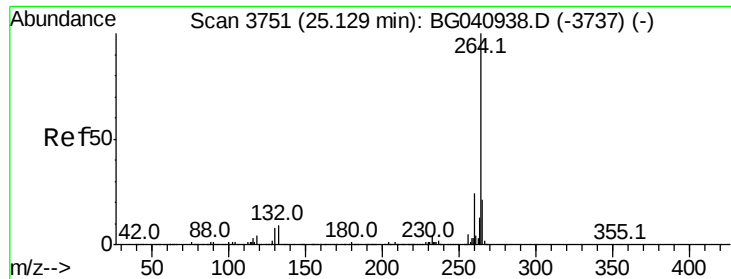
#79
Terphenyl-d14
Concen: 81.744 ng
RT: 20.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Tgt Ion:244 Resp: 1760360
Ion Ratio Lower Upper
244 100
212 9.4 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

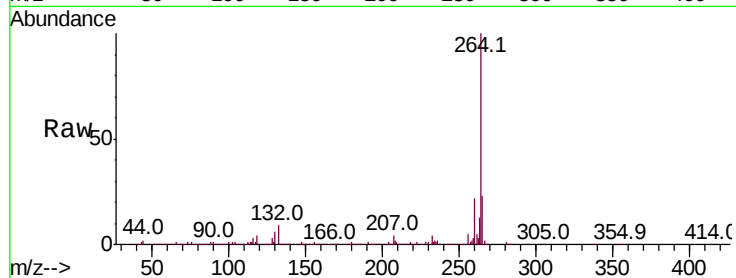




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.12 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG040957.D
Acq: 30 May 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.0	28.4
265	22.9	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

