

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041027.D
 Acq On : 3 Jun 2019 10:33
 Operator : HP/JU
 Sample : K3010-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 15:25:50 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

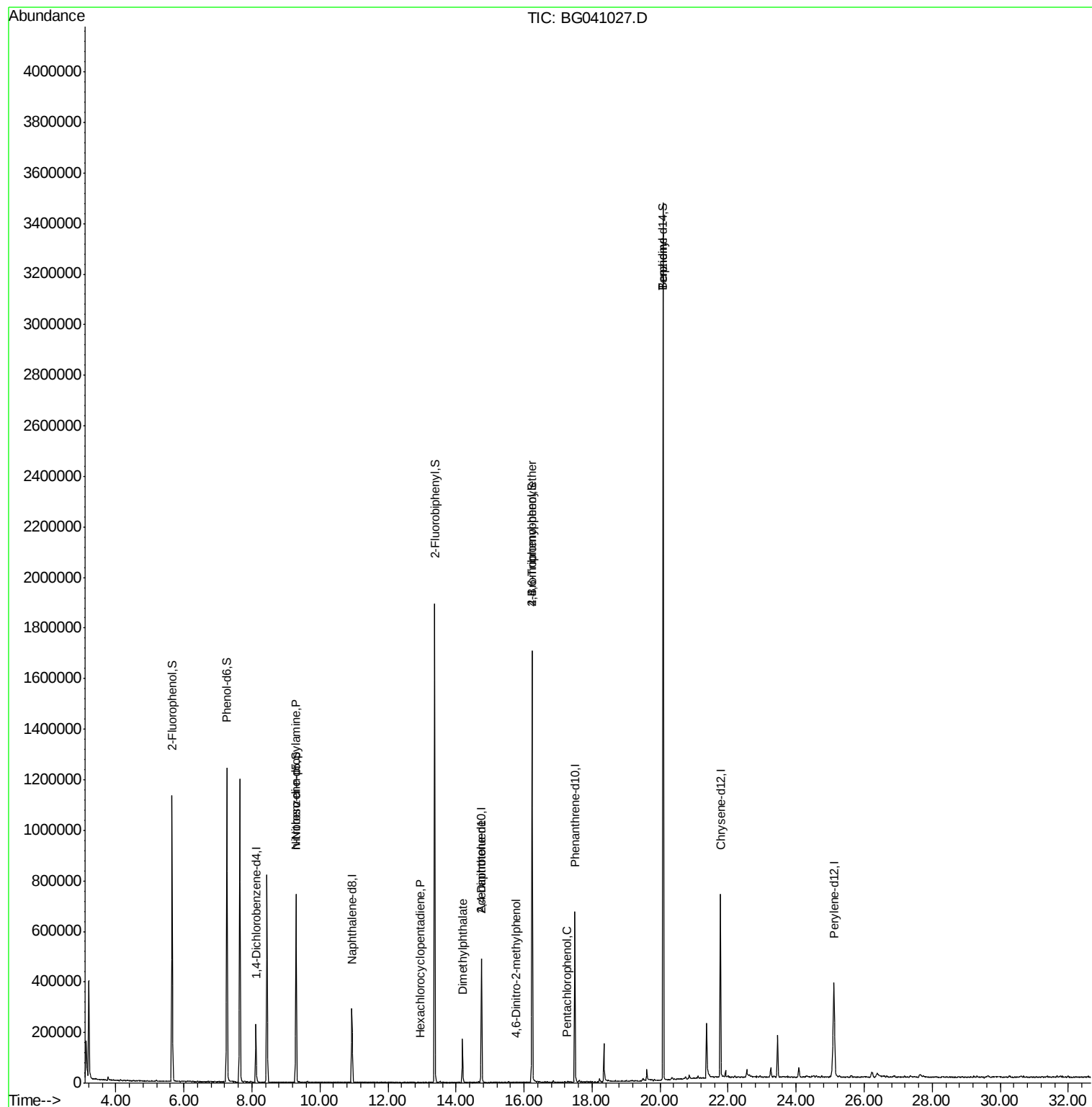
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	58075	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	235075	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	170280	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	421259	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	436525	20.00	ng	-0.01
87) Perylene-d12	25.11	264	453935	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	440886	136.89	ng	0.00
7) Phenol-d6	7.26	99	647084	130.09	ng	0.00
23) Nitrobenzene-d5	9.29	82	450835	85.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.24	330	325859	128.90	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	933122	78.92	ng	-0.01
79) Terphenyl-d14	20.09	244	1616111	78.57	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	65583	17.134	ng	# 73
41) Hexachlorocyclopentadiene	12.95	237	81	8.255	ng	# 26
50) Dimethylphthalate	14.19	163	115569	8.018	ng	# 97
57) 2,4-Dinitrotoluene	14.75	165	22363	5.094	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.78	198	62	8.612	ng	# 36
67) 4-Bromophenyl-phenylether	16.23	248	24745	4.353	ng	# 1
70) Pentachlorophenol	17.27	266	56	4.272	ng	# 18
77) Benzidine	20.09	184	29529	2.836	ng	# 90

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

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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
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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: BG041027.D

Acq: 3 Jun 2019 10:33

Instrument :

BNA_G

ClientSampleId :

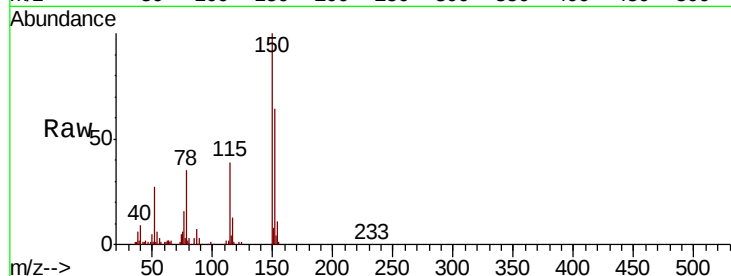
Tot Ion:152 Resp: 58075

Ion Ratio Lower Upper

152 100

150 155.3 120.6 180.8

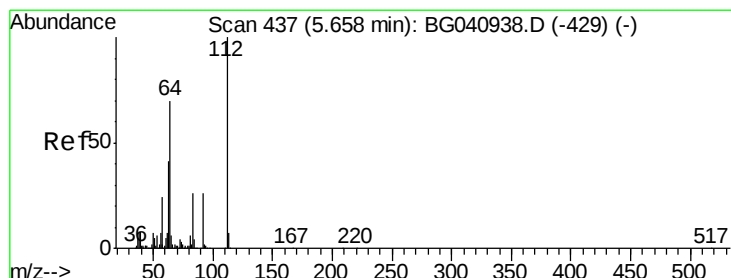
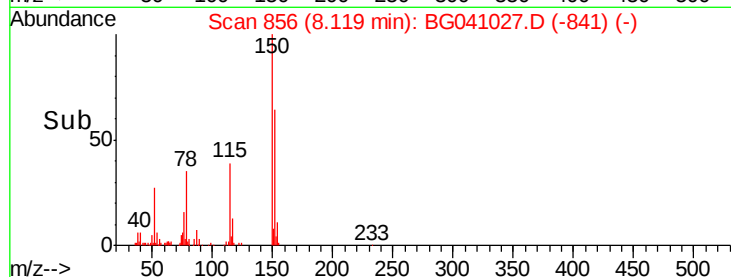
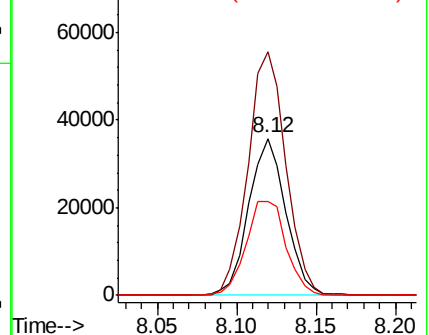
115 60.2 45.1 67.7



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: 136.894 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

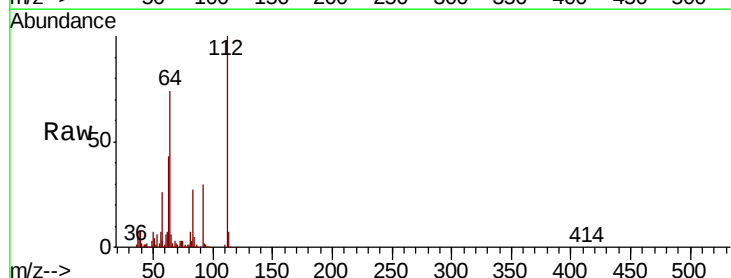
Tgt Ion:112 Resp: 440886

Ion Ratio Lower Upper

112 100

64 73.7 56.2 84.2

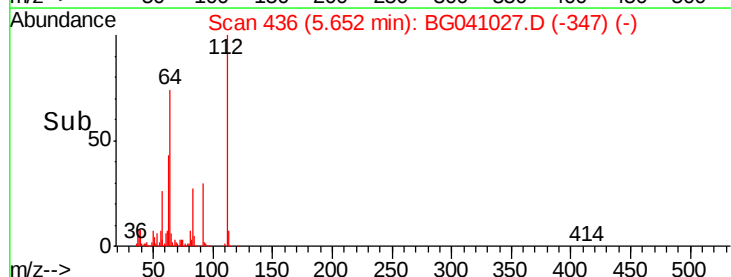
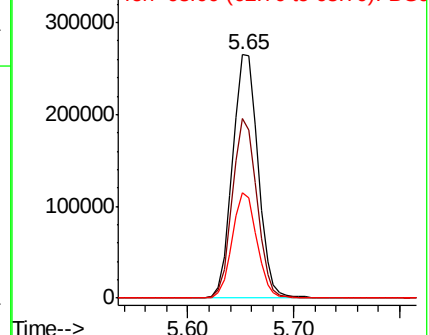
63 43.2 32.8 49.2



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: 130.095 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

Instrument :

BNA_G

ClientSampleId :

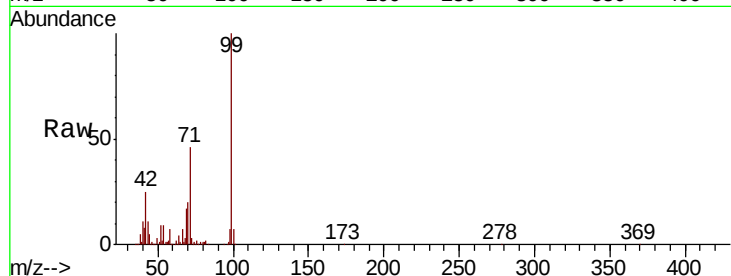
Tot Ion: 99 Resp: 647084

Ion Ratio Lower Upper

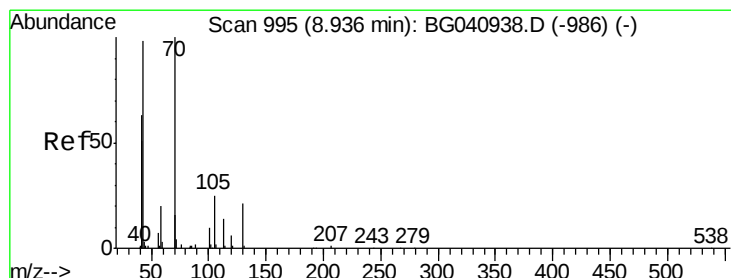
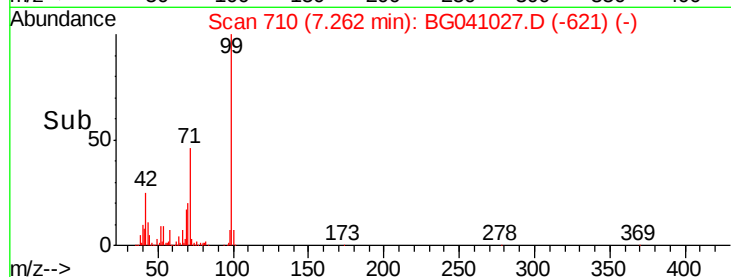
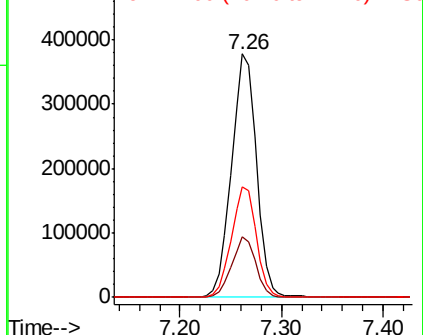
99 100

42 24.6 17.9 26.9

71 45.6 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: 17.134 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

Tgt Ion: 70 Resp: 65583

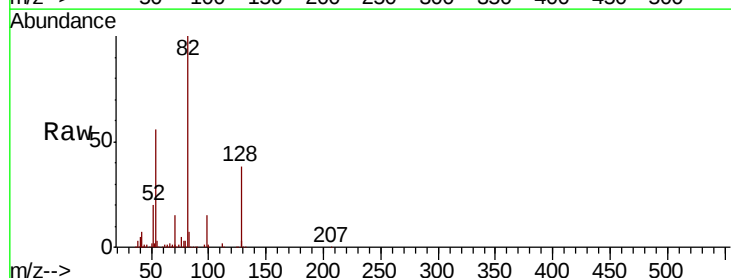
Ion Ratio Lower Upper

70 100

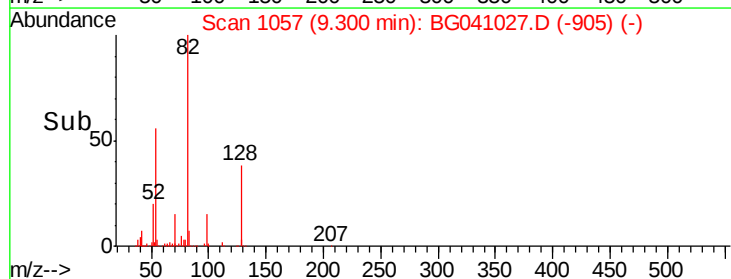
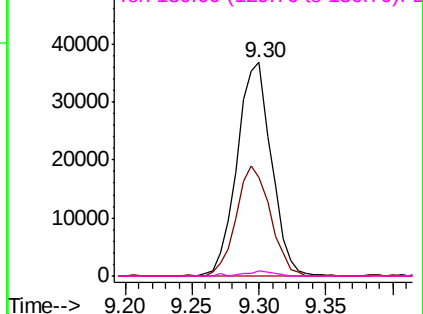
42 46.4 51.5 77.3#

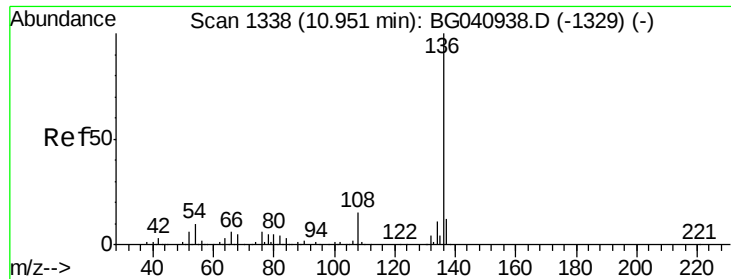
101 0.0 8.1 12.1#

130 2.5 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

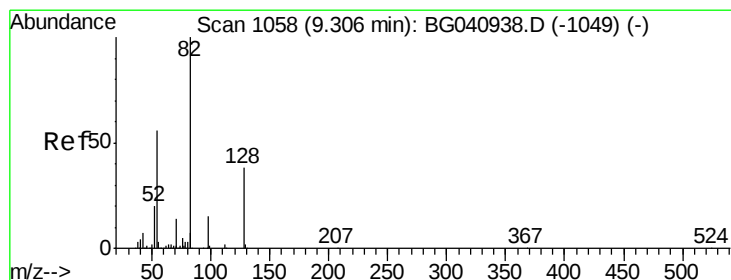
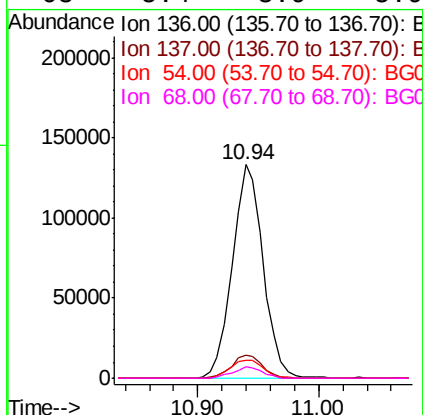
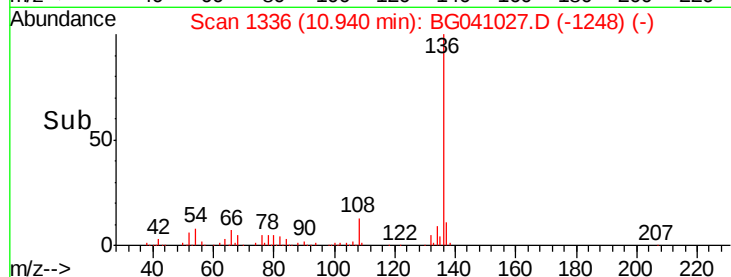
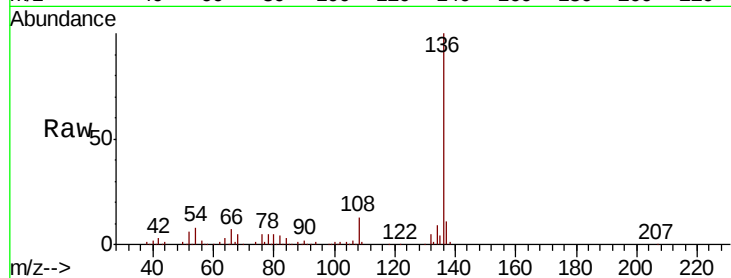




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

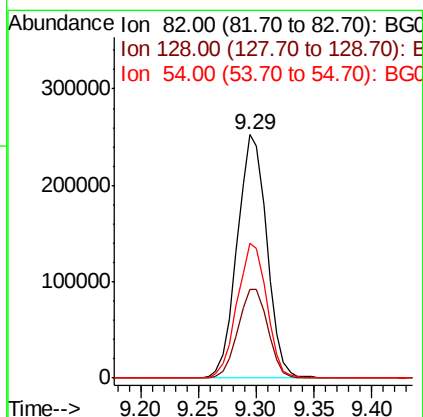
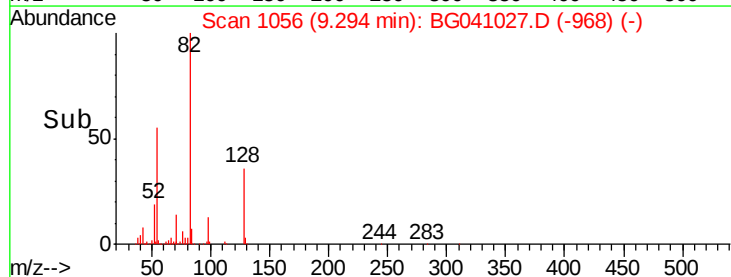
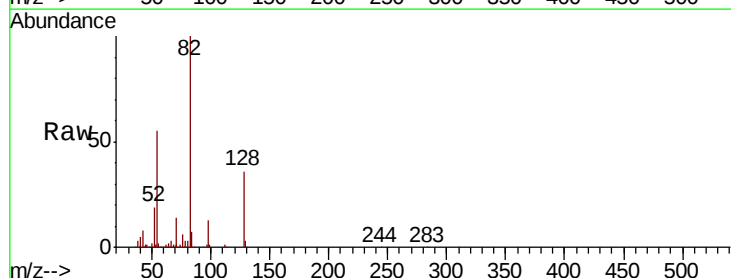
Instrument :
BNA_G
ClientSampleId :

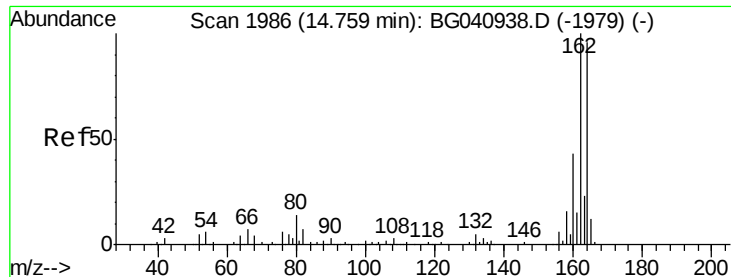
Tot Ion:136	Resp:	235075
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.5 14.3
54	8.2	7.6 11.4
68	5.4	3.9 5.9



#23
Nitrobenzene-d5
Concen: 85.140 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

Tgt Ion: 82	Resp:	450835
Ion Ratio	Lower	Upper
82	100	
128	36.4	30.5 45.7
54	55.2	44.6 66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

Instrument :

BNA_G

ClientSampleId :

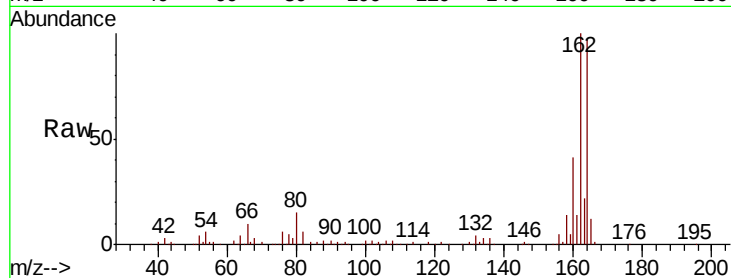
Tot Ion:164 Resp: 170280

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.4

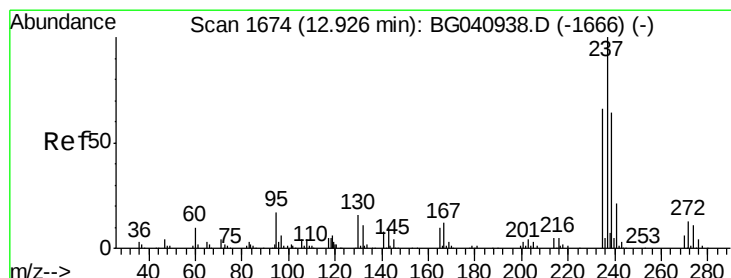
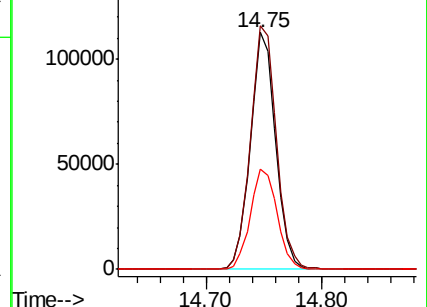
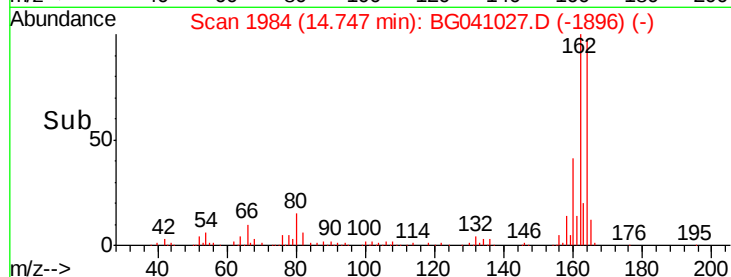
160 42.6 35.6 53.4



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: 8.255 ng

RT: 12.95 min Scan# 1678

Delta R.T. 0.02 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

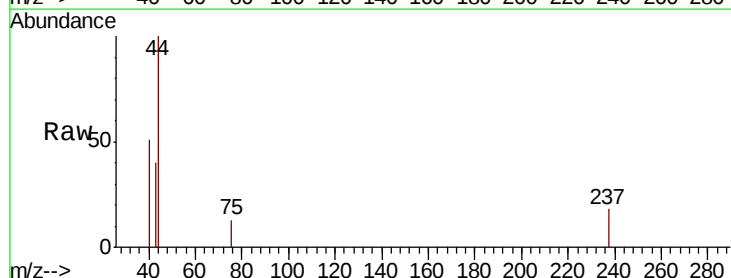
Tgt Ion:237 Resp: 81

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

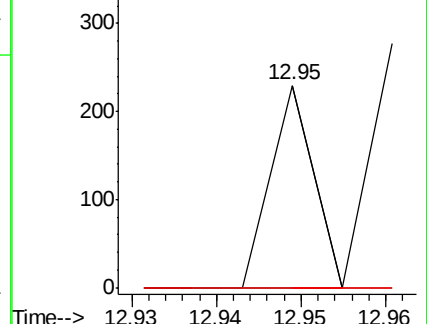
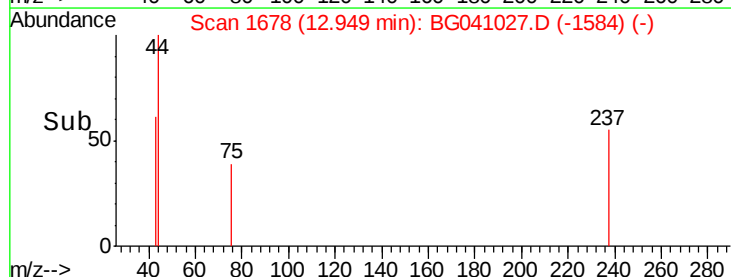
272 0.0 0.0 32.9

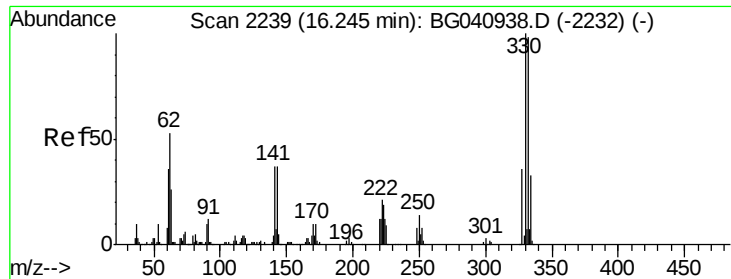


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

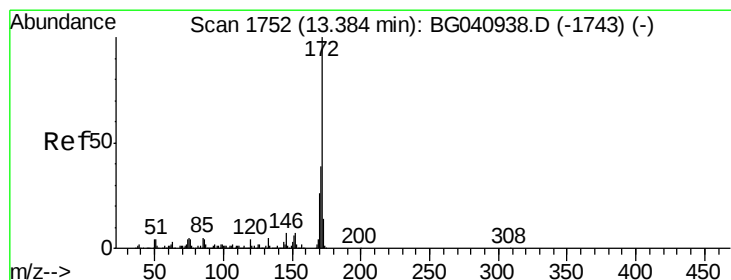
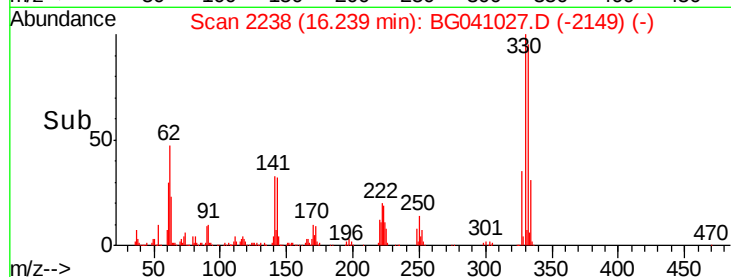
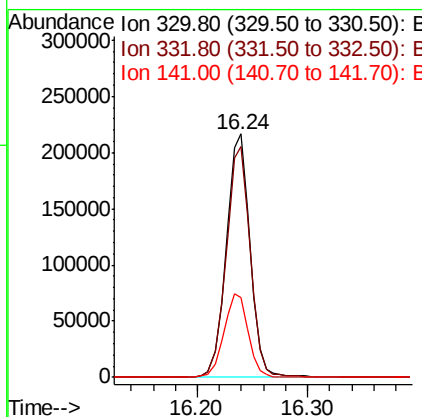
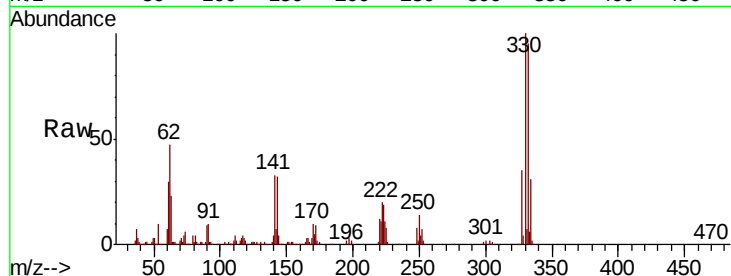




#42
 2,4,6-Tribromophenol
 Concen: 128.904 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG041027.D
 Acq: 3 Jun 2019 10:33

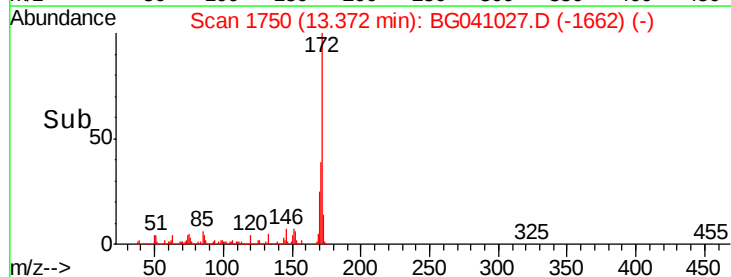
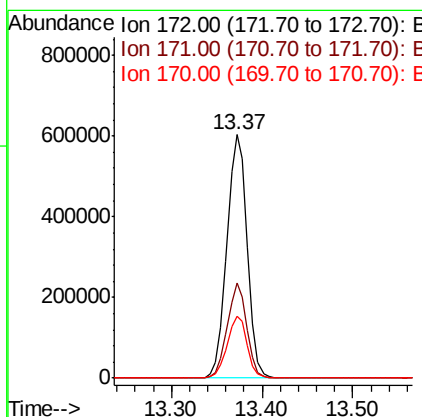
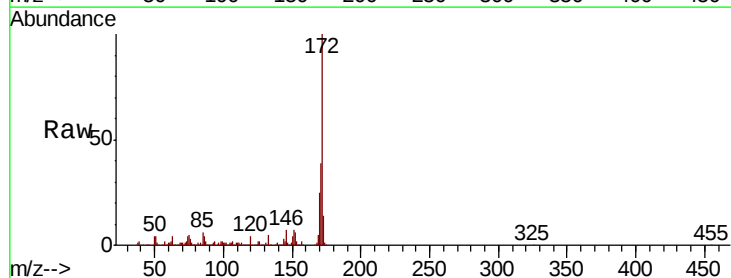
Instrument :
 BNA_G
 ClientSampleId :

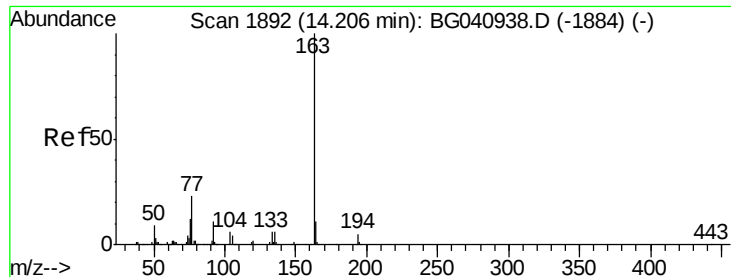
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	35.2	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 78.917 ng
 RT: 13.37 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG041027.D
 Acq: 3 Jun 2019 10:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.1	46.7
170	25.2	20.5	30.7

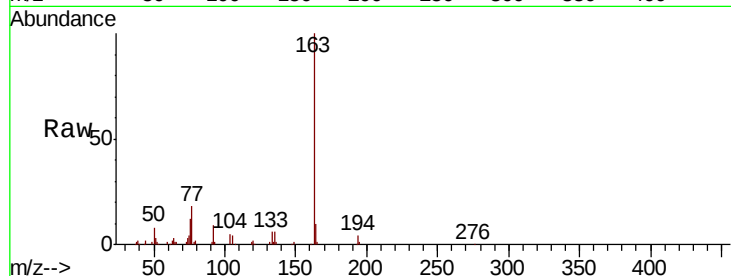




#50
Dimethylphthalate
Concen: 8.018 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.8	5.8#
164	9.7	8.7	13.1

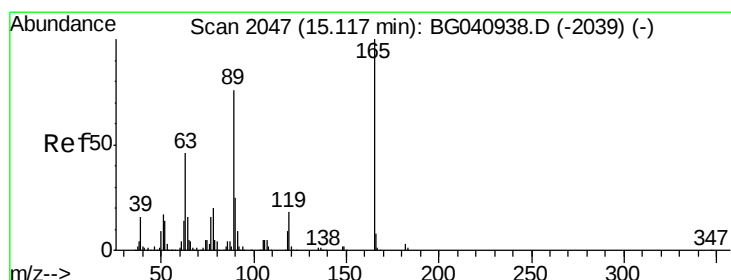
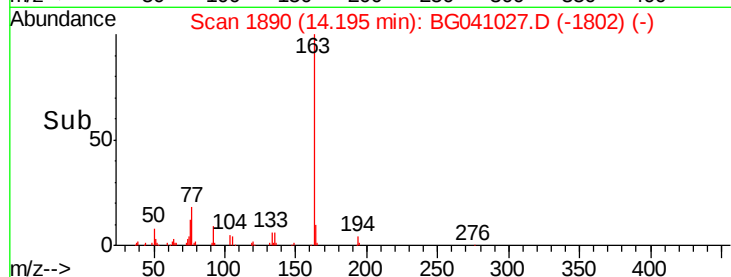
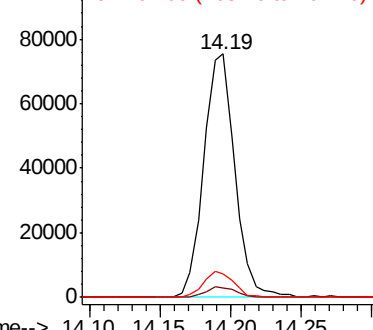


Abundance

Ion 163.00 (162.70 to 163.70): E

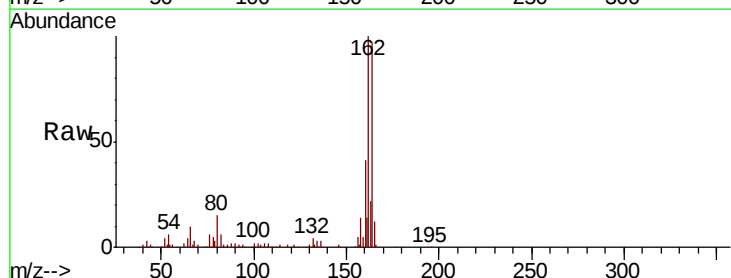
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.094 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.37 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.3	55.9#
89	3.3	61.0	91.6#
182	0.0	2.2	3.2#



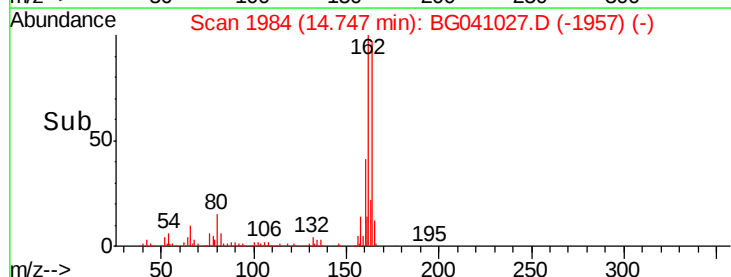
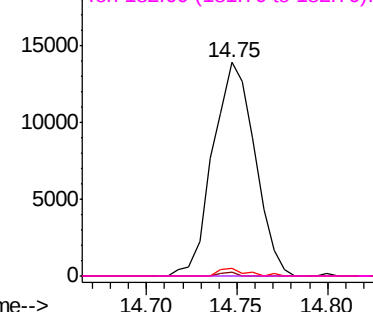
Abundance

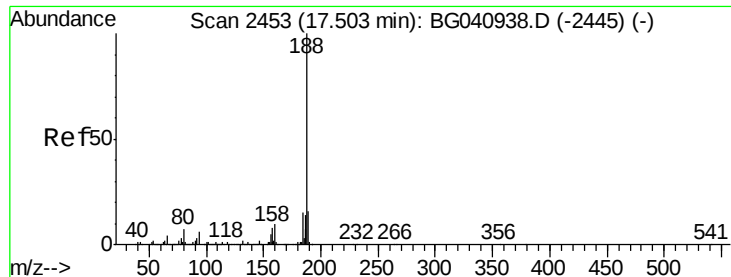
Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

Instrument :

BNA_G

ClientSampleId :

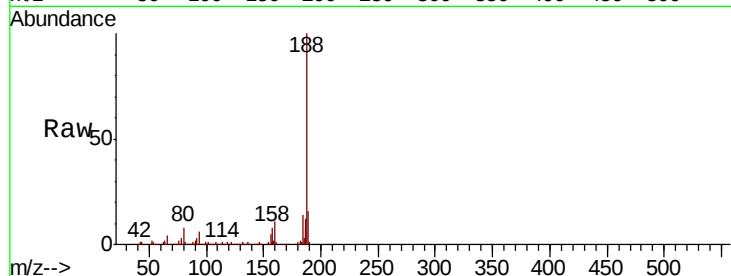
Tot Ion:188 Resp: 421259

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

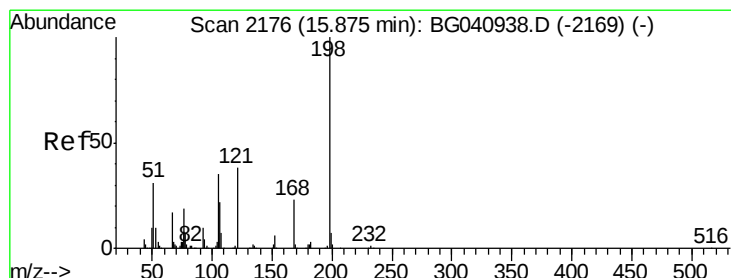
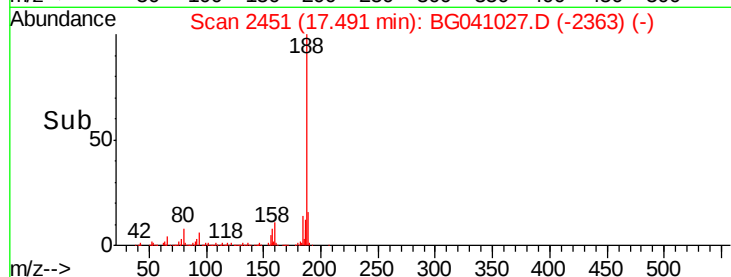
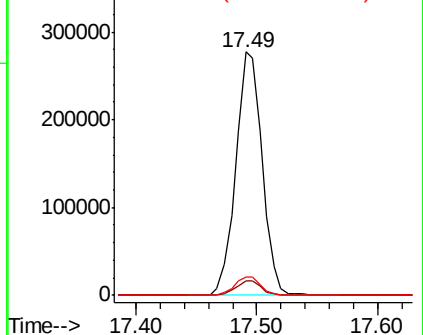
80 7.5 5.8 8.8



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: 8.612 ng

RT: 15.78 min Scan# 2159

Delta R.T. -0.10 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

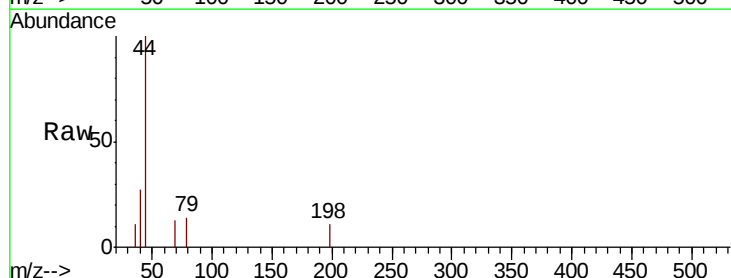
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

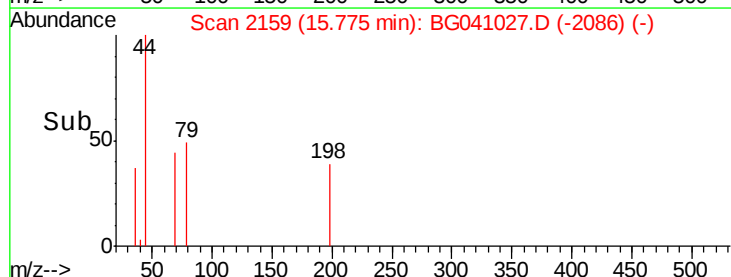
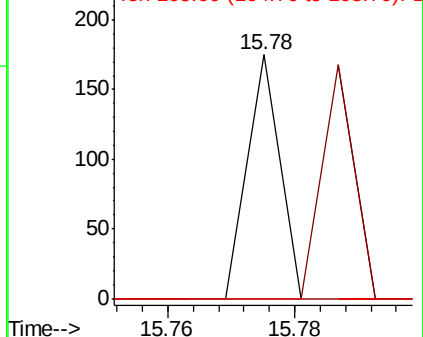
105 0.0 17.5 57.5#

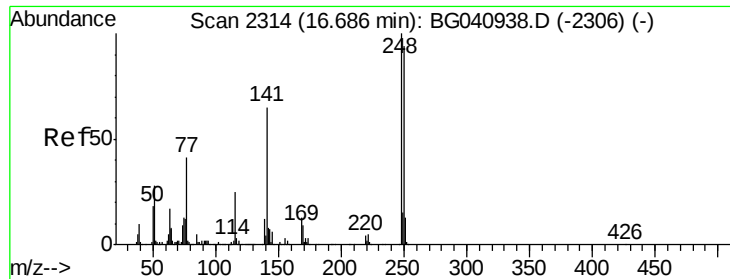


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

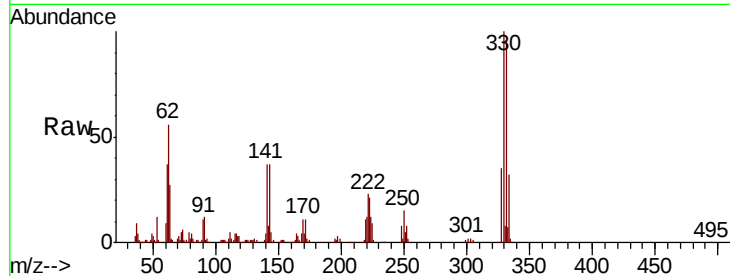




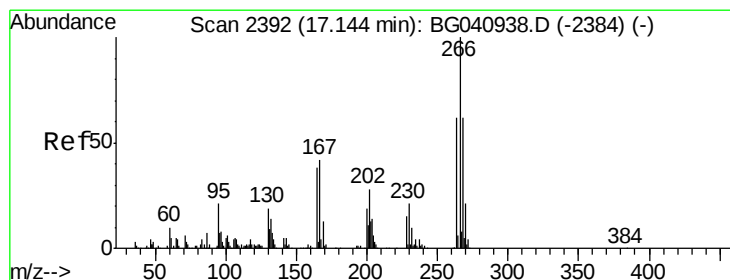
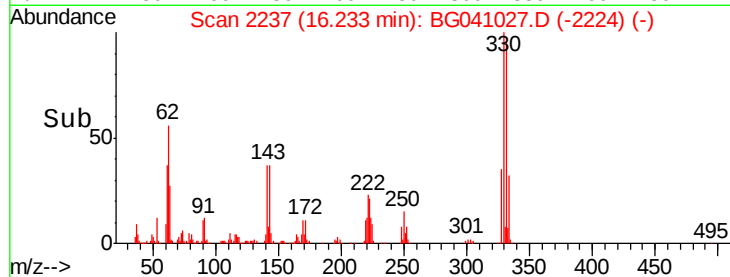
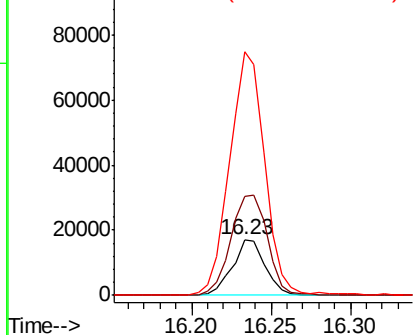
#67
 4-Bromophenyl-phenylether
 Concen: 4.353 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.45 min
 Lab File: BG041027.D
 Acq: 3 Jun 2019 10:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 24745
 Ion Ratio Lower Upper
 248 100
 250 176.2 75.0 112.4#
 141 435.4 52.4 78.6#

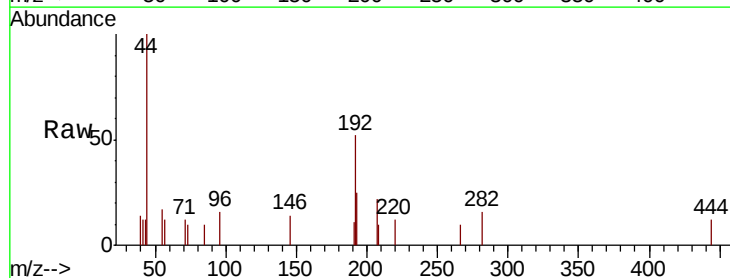


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

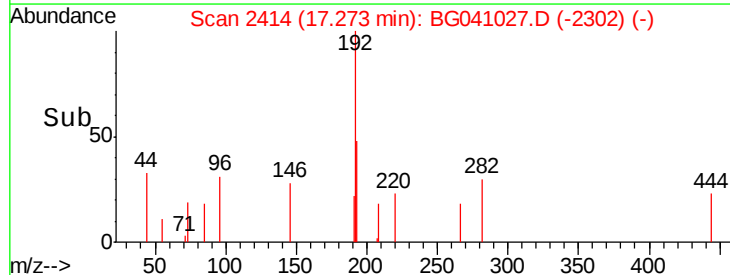
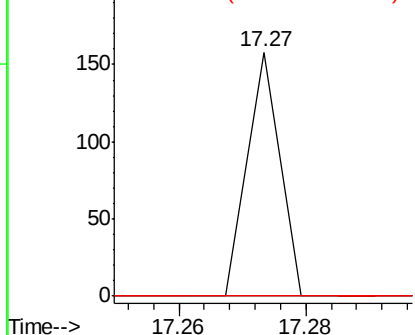


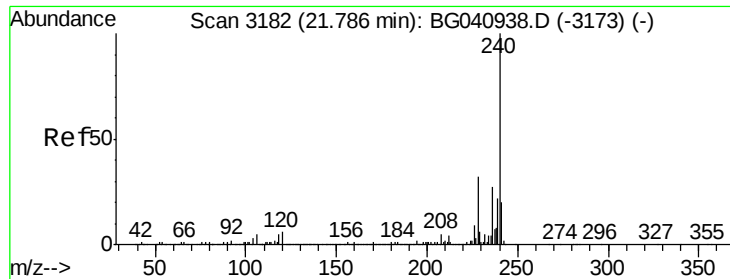
#70
 Pentachlorophenol
 Concen: 4.272 ng
 RT: 17.27 min Scan# 2414
 Delta R.T. 0.13 min
 Lab File: BG041027.D
 Acq: 3 Jun 2019 10:33

Tgt Ion:266 Resp: 56
 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

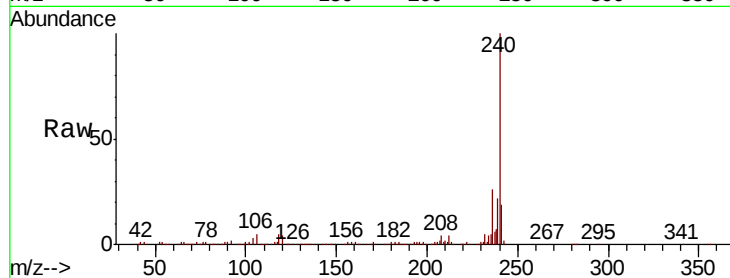




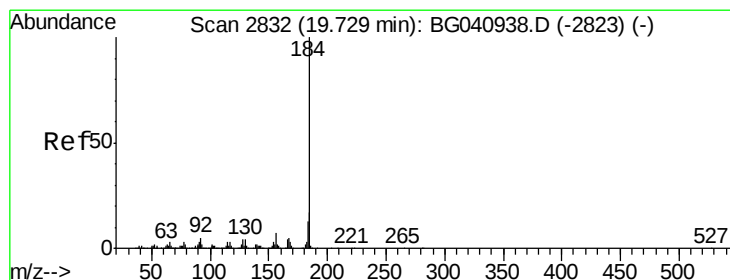
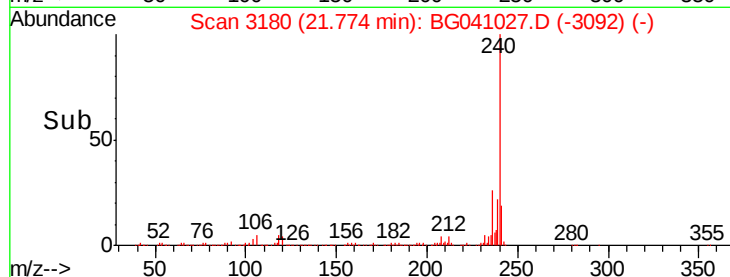
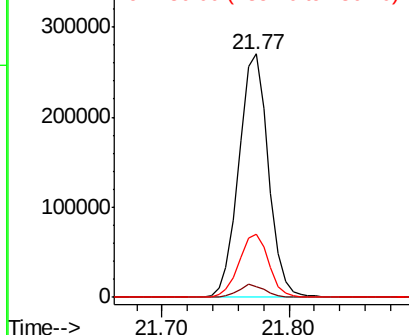
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 436525
Ion Ratio Lower Upper
240 100
120 4.4 4.5 6.7#
236 25.8 21.3 31.9

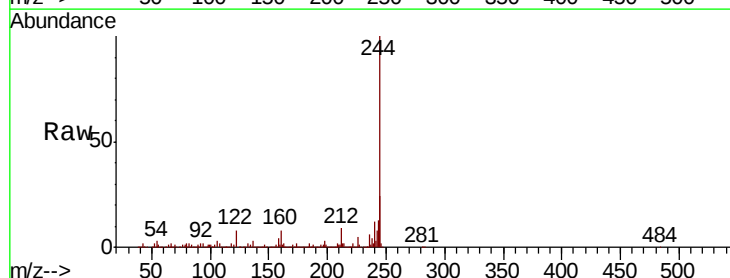


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

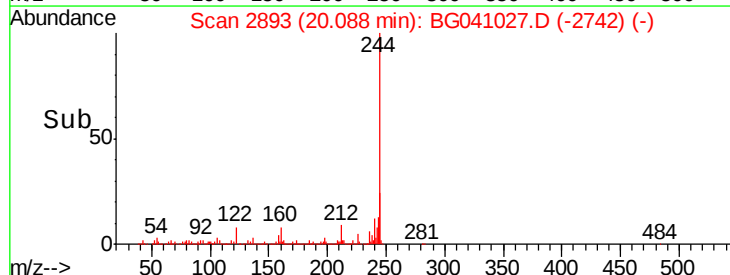
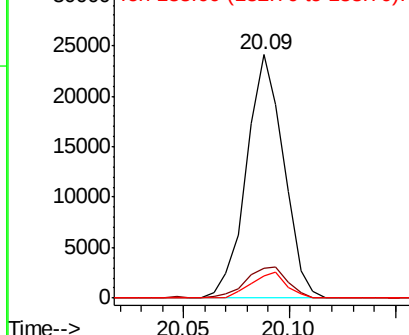


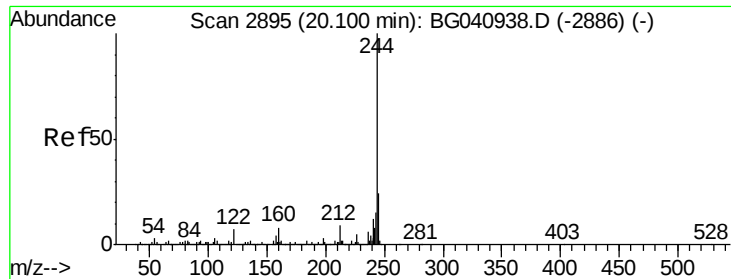
#77
Benzidine
Concen: 2.836 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.36 min
Lab File: BG041027.D
Acq: 3 Jun 2019 10:33

Tgt Ion:184 Resp: 29529
Ion Ratio Lower Upper
184 100
185 12.2 13.3 19.9#
183 9.3 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: 78.574 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041027.D

Acq: 3 Jun 2019 10:33

Instrument :

BNA_G

ClientSampleId :

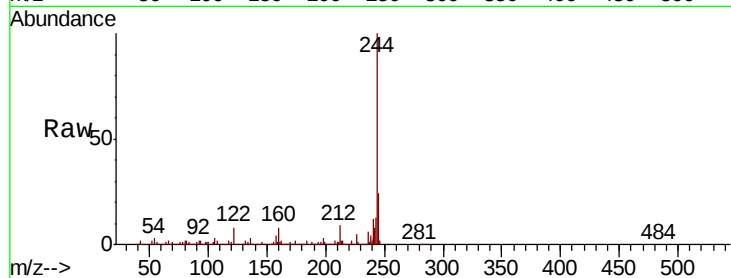
Tot Ion:244 Resp: 1616111

Ion Ratio Lower Upper

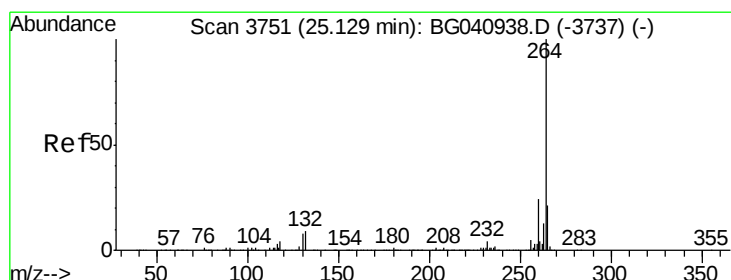
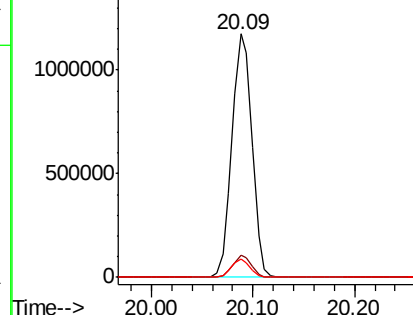
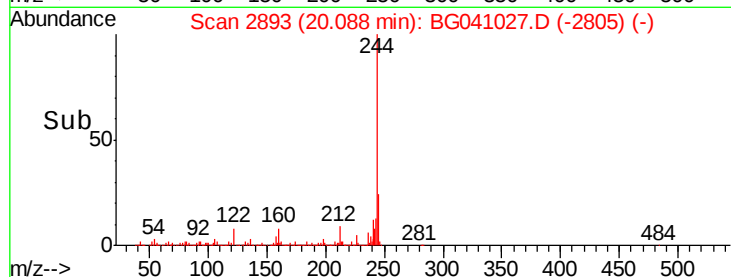
244 100

212 9.0 7.0 10.4

122 7.7 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: BG041027.D

Acq: 3 Jun 2019 10:33

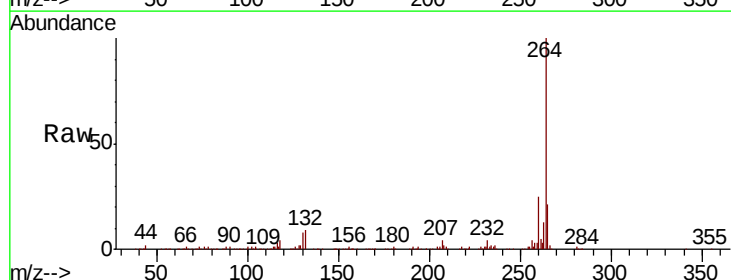
Tgt Ion:264 Resp: 453935

Ion Ratio Lower Upper

264 100

260 25.2 19.0 28.4

265 21.4 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

