

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041028.D
 Acq On : 3 Jun 2019 11:11
 Operator : HP/JU
 Sample : K3010-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 15:26:00 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

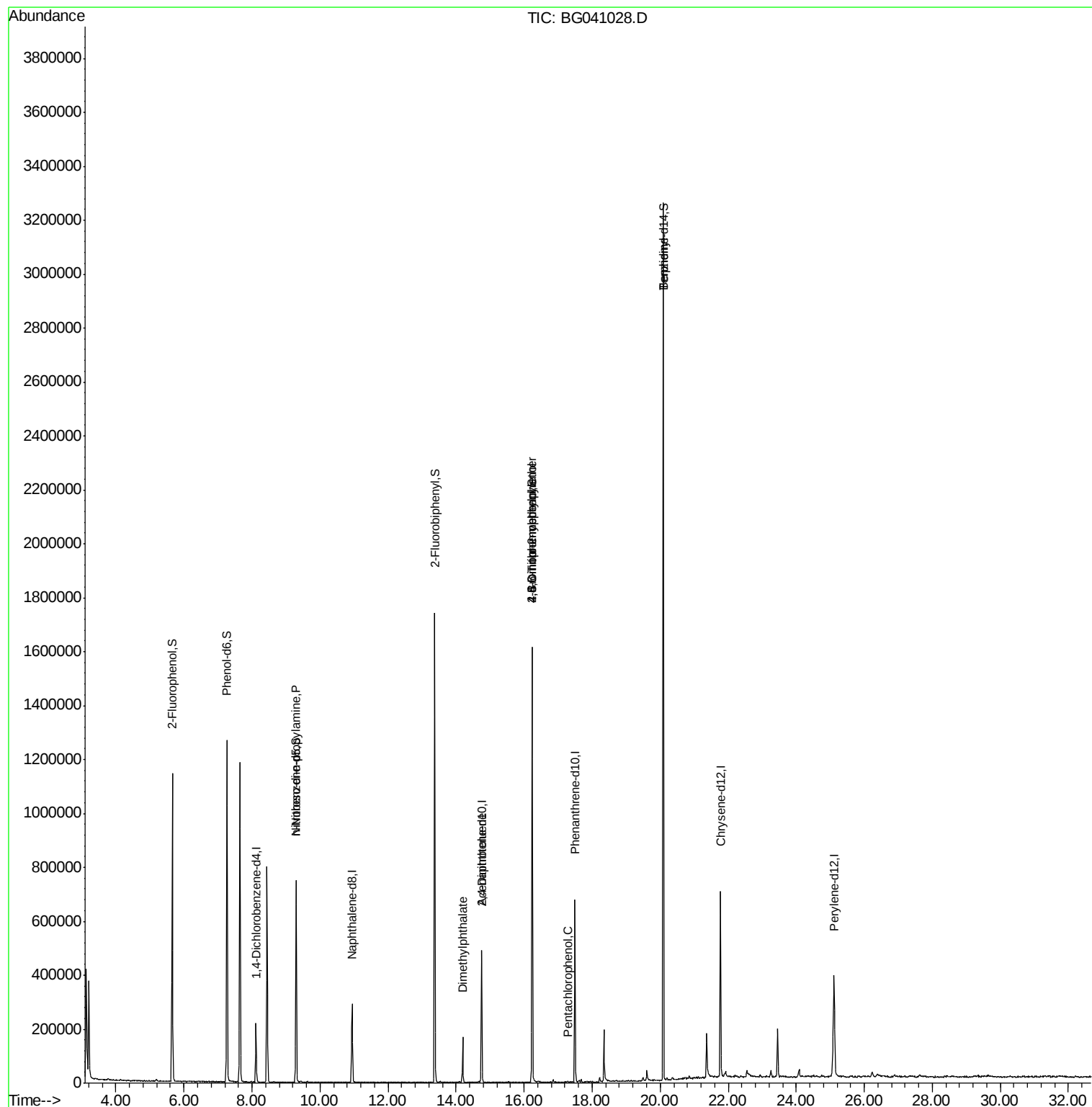
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	57706	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	231381	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164358	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	416787	20.00	ng	0.00
76) Chrysene-d12	21.77	240	424818	20.00	ng	-0.01
87) Perylene-d12	25.11	264	446967	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	446959	139.67	ng	0.00
7) Phenol-d6	7.27	99	652270	131.98	ng	0.00
23) Nitrobenzene-d5	9.30	82	457512	87.78	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	313852	128.63	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	904139	79.22	ng	0.00
79) Terphenyl-d14	20.09	244	1512863	75.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	65064	17.107	ng	Qvalue # 78
50) Dimethylphthalate	14.19	163	107962	7.760	ng	# 99
57) 2,4-Dinitrotoluene	14.74	165	21823	5.150	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.24	198	1146	9.011	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	23354	4.152	ng	# 1
70) Pentachlorophenol	17.28	266	60	4.274	ng	# 18
77) Benzidine	20.09	184	25283	2.495	ng	97

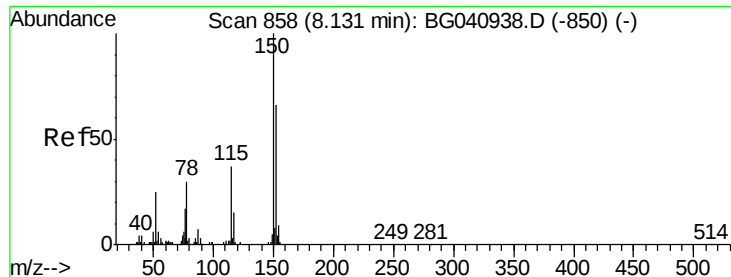
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 29 18:39:57 2019
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: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

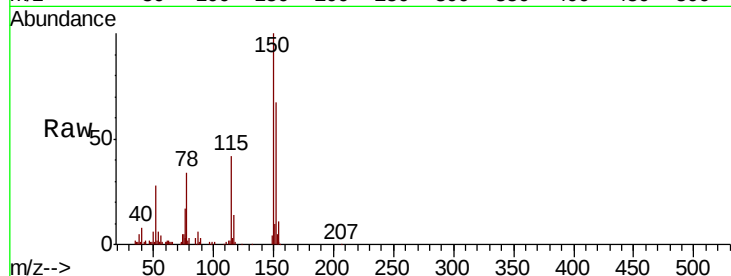
Tot Ion:152 Resp: 57706

Ion Ratio Lower Upper

152 100

150 149.9 120.6 180.8

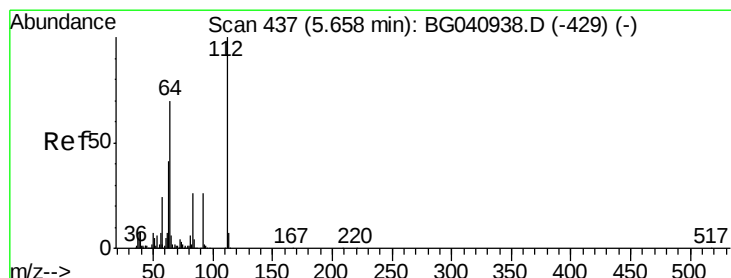
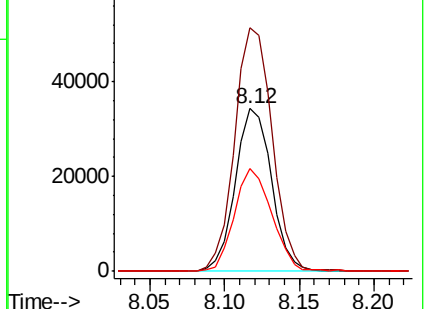
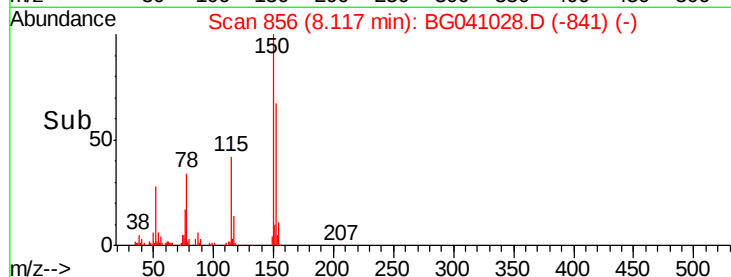
115 63.0 45.1 67.7



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: 139.667 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

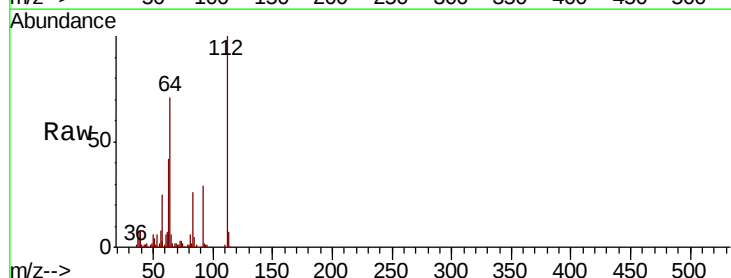
Tgt Ion:112 Resp: 446959

Ion Ratio Lower Upper

112 100

64 70.8 56.2 84.2

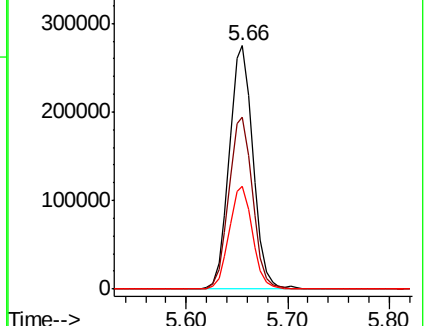
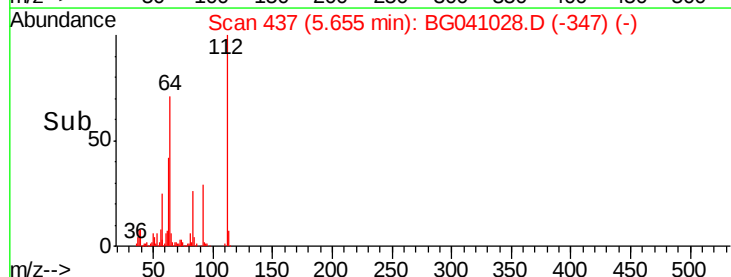
63 42.4 32.8 49.2

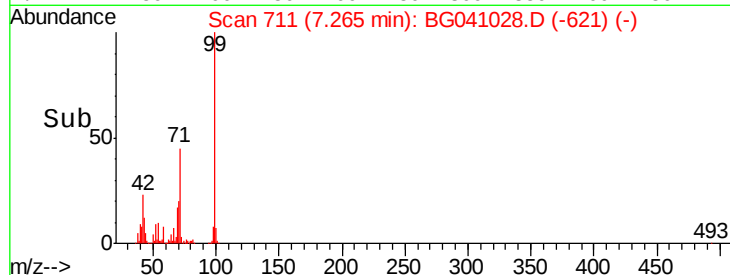
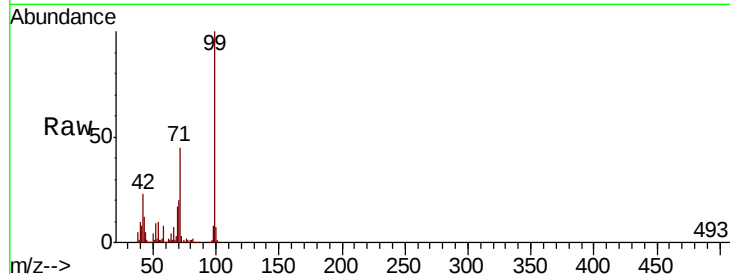
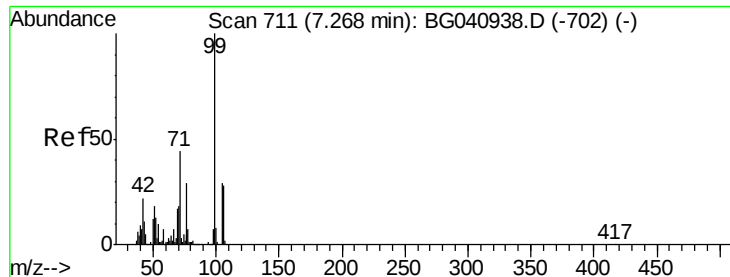


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.976 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

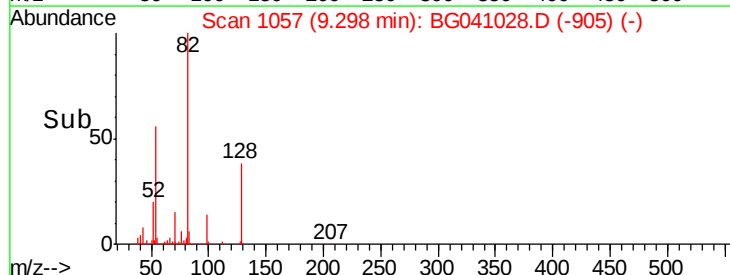
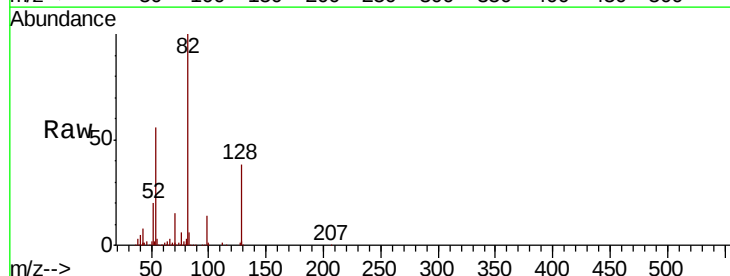
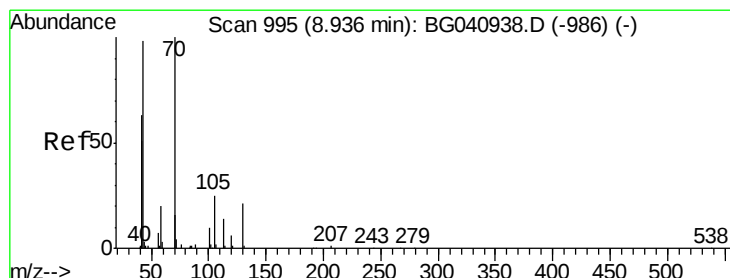
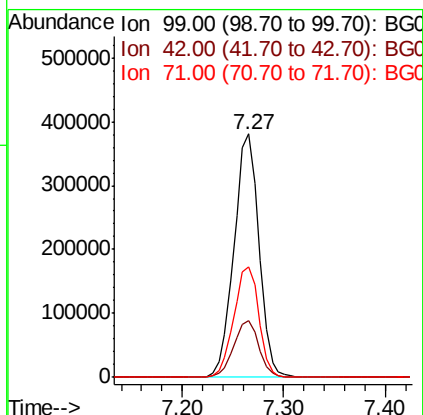
Tot Ion: 99 Resp: 652270

Ion Ratio Lower Upper

99 100

42 23.5 17.9 26.9

71 45.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.107 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Tgt Ion: 70 Resp: 65064

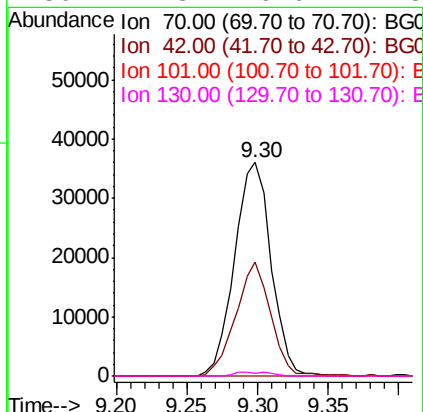
Ion Ratio Lower Upper

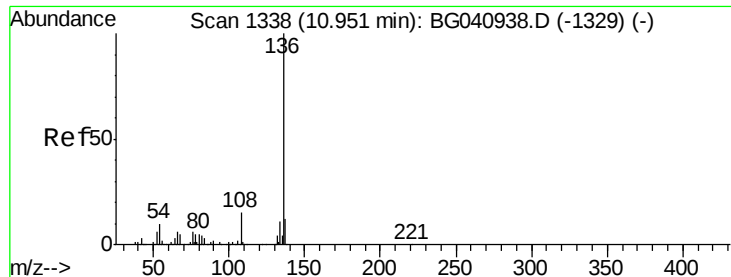
70 100

42 53.0 51.5 77.3

101 0.0 8.1 12.1#

130 1.3 16.6 24.8#

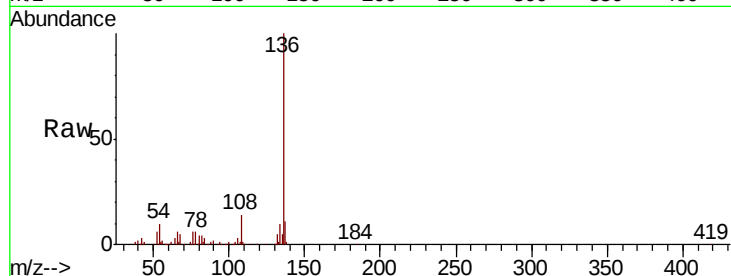




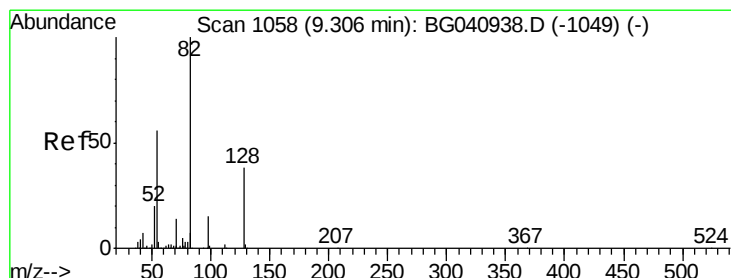
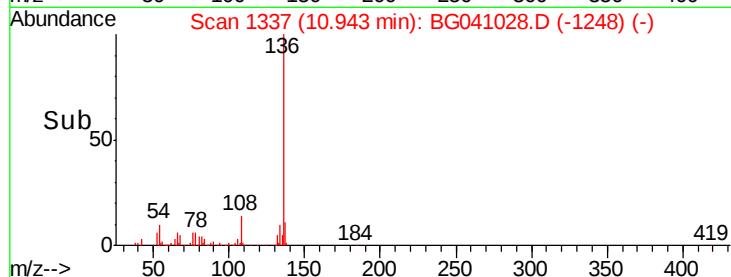
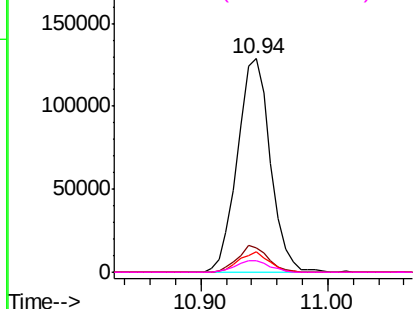
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	231381
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.5	14.3
54 9.6	7.6	11.4
68 5.4	3.9	5.9

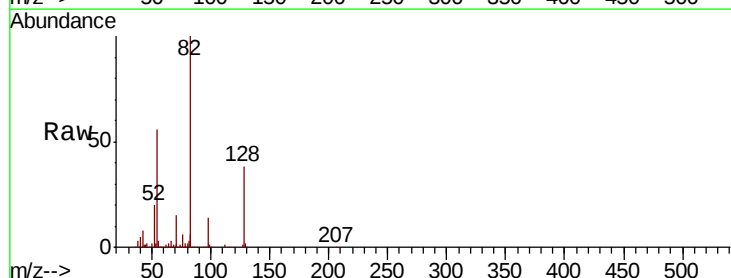


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

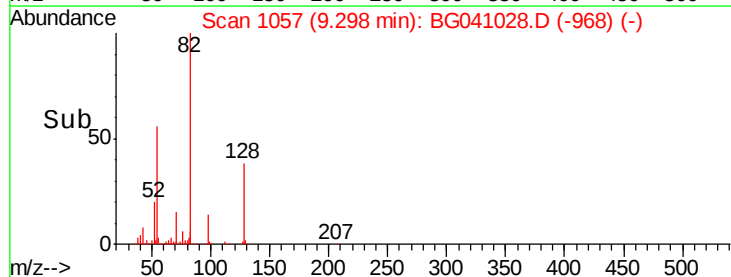
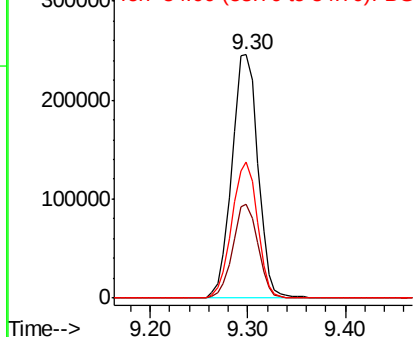


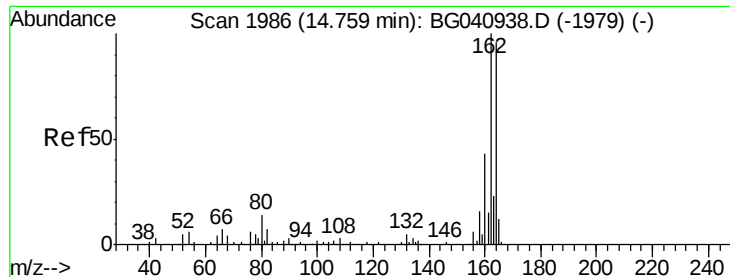
#23
Nitrobenzene-d5
Concen: 87.780 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt Ion: 82	Resp: 457512
Ion Ratio	Lower Upper
82 100	
128 38.4	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): BGC
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. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

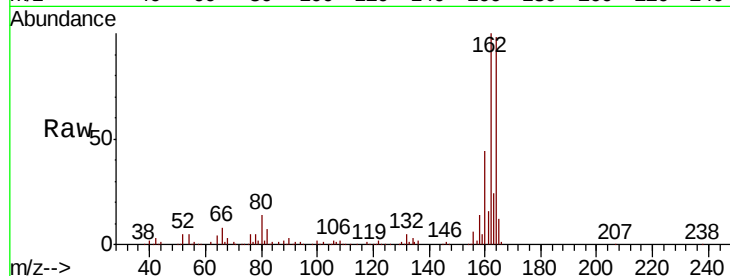
Tot Ion:164 Resp: 164358

Ion Ratio Lower Upper

164 100

162 101.5 83.0 124.4

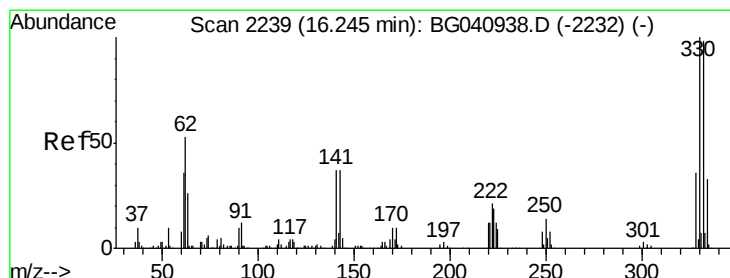
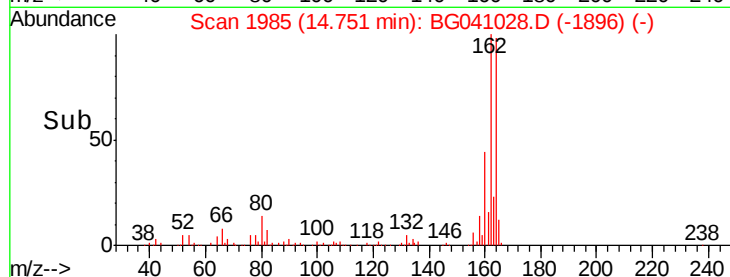
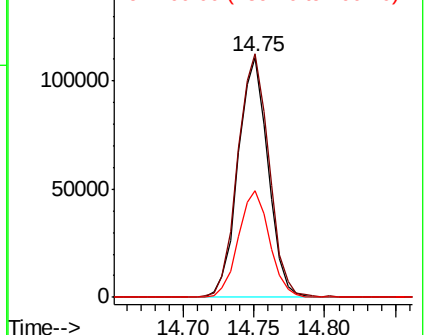
160 44.7 35.6 53.4



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: 128.627 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

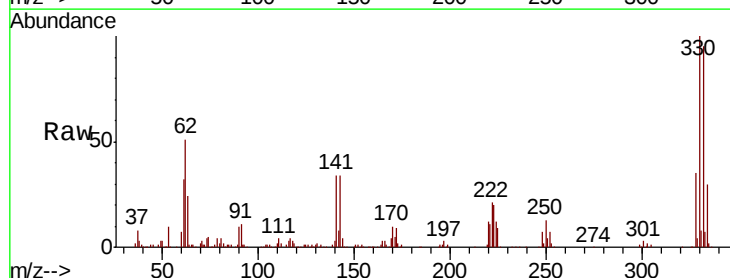
Tgt Ion:330 Resp: 313852

Ion Ratio Lower Upper

330 100

332 95.0 78.5 117.7

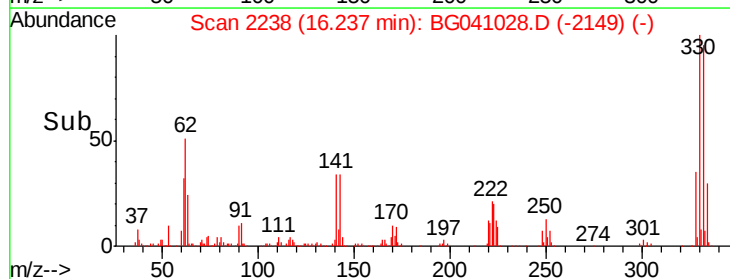
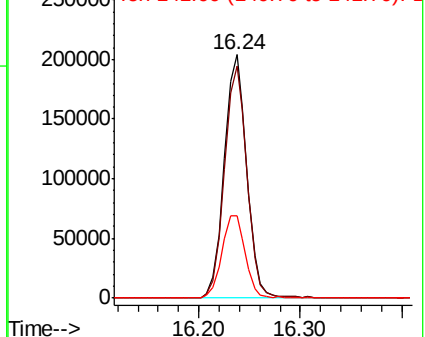
141 35.5 28.7 43.1

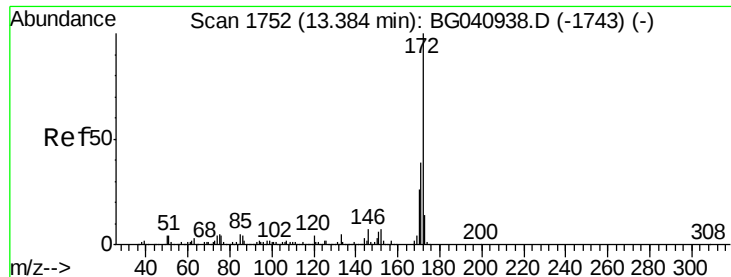


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

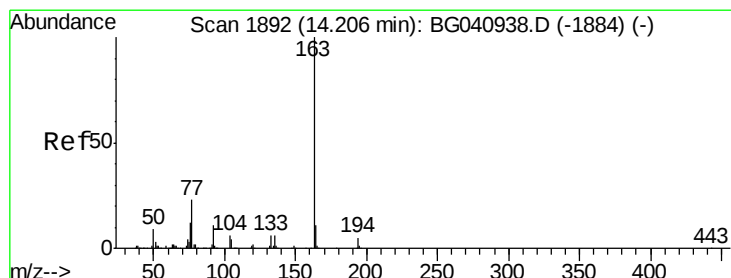
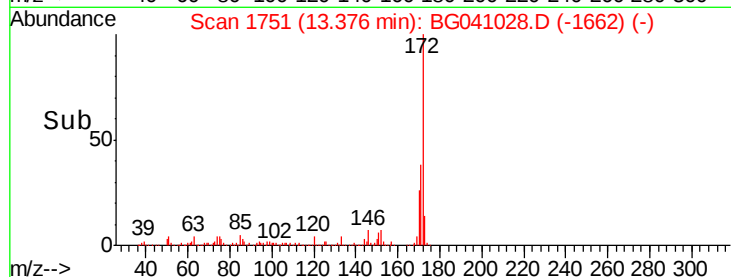
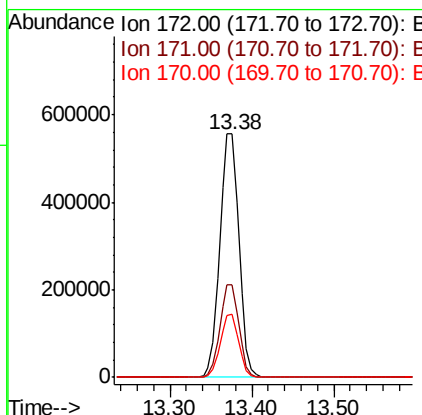
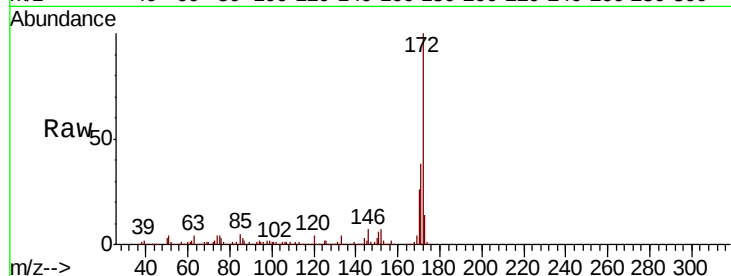




#45
2-Fluorobiphenyl
Concen: 79.221 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

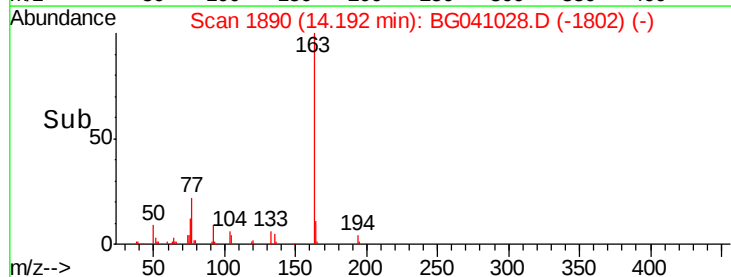
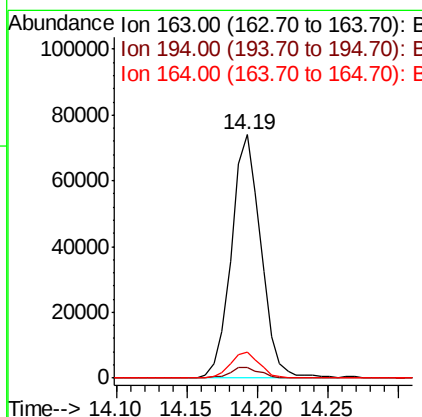
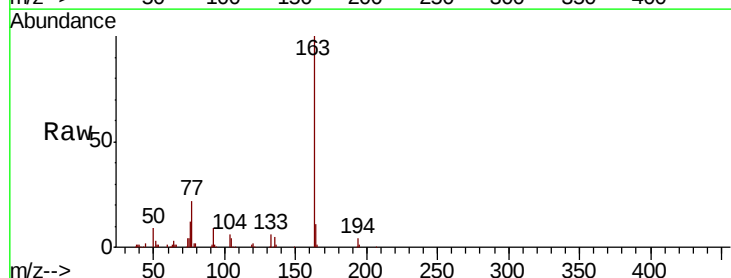
Instrument :
BNA_G
ClientSampleId :

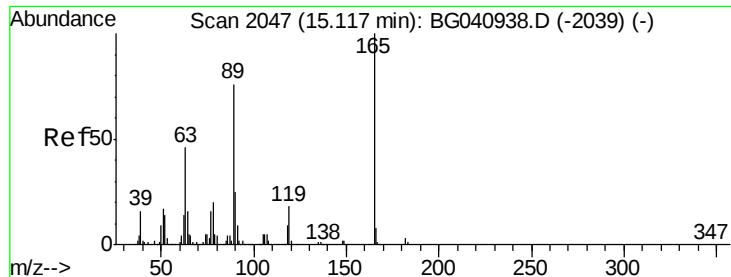
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.7	20.5	30.7



#50
Dimethylphthalate
Concen: 7.760 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041028.D
Acq: 3 Jun 2019 11:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.8	5.8
164	10.7	8.7	13.1

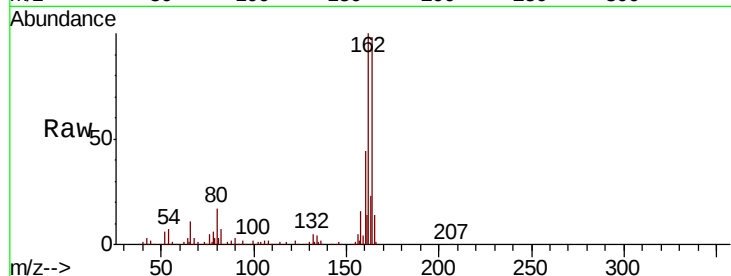




#57
 2,4-Dinitrotoluene
 Concen: 5.150 ng
 RT: 14.74 min Scan# 1984
 Delta R.T. -0.37 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	1.7	61.0	91.6#
182	0.0	2.2	3.2#

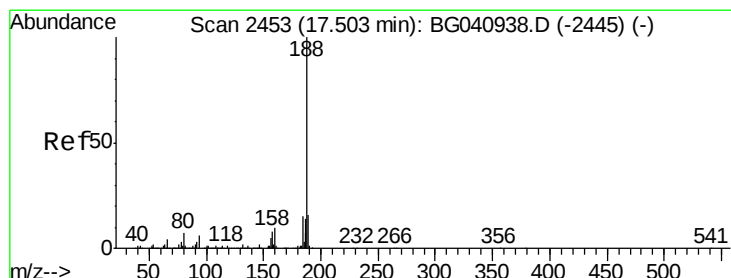
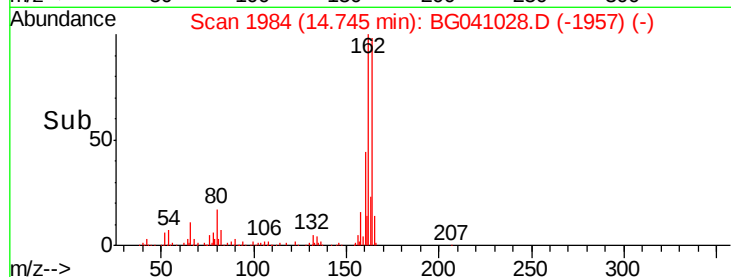
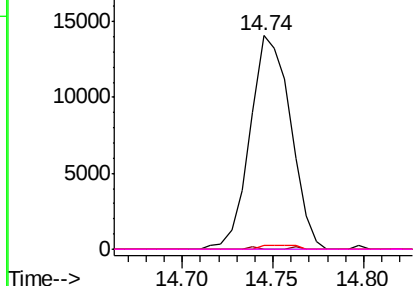


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

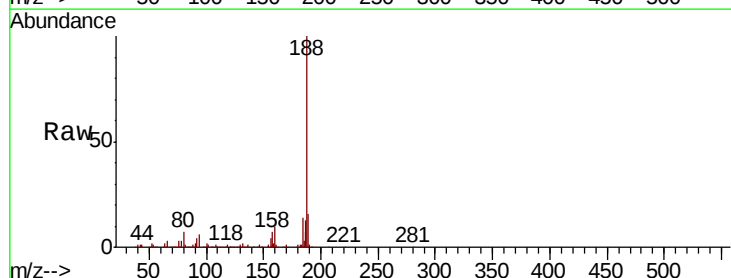
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

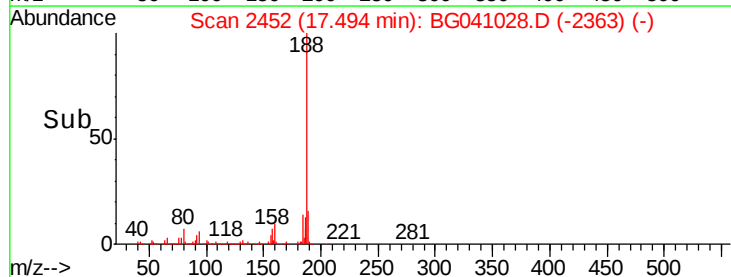
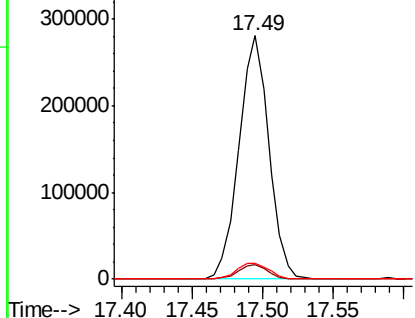
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.7	7.1
80	6.7	5.8	8.8

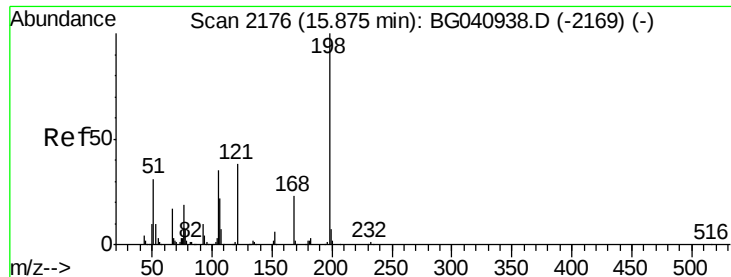


Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.011 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampled :

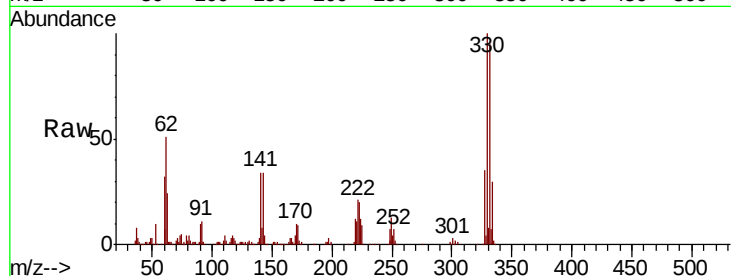
Tot Ion:198 Resp: 1146

Ion Ratio Lower Upper

198 100

51 88.4 21.6 61.6#

105 114.7 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

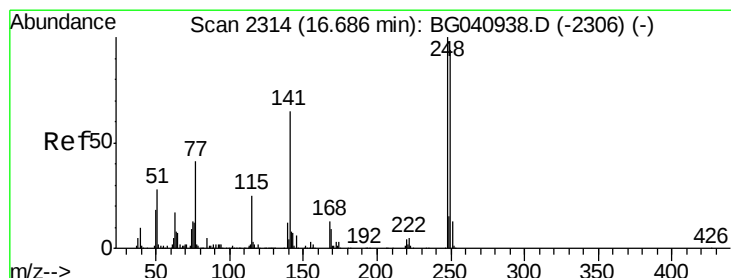
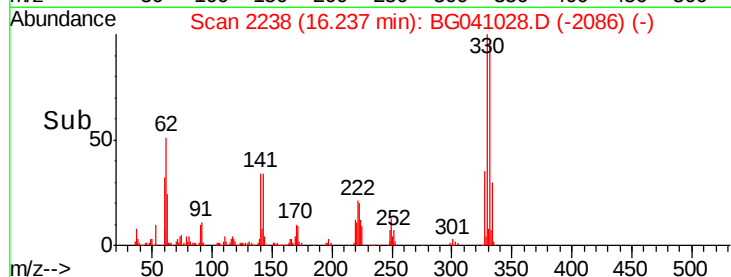
16.24

1000

500

0

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.152 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

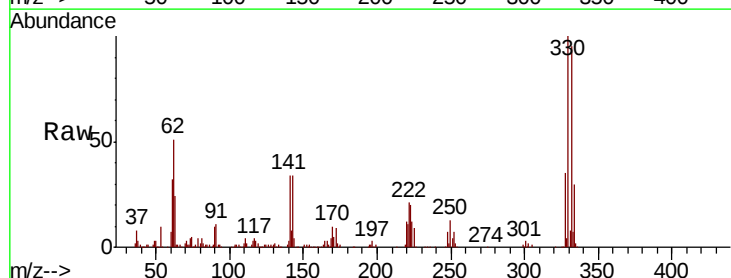
Tgt Ion:248 Resp: 23354

Ion Ratio Lower Upper

248 100

250 180.9 75.0 112.4#

141 453.4 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

80000

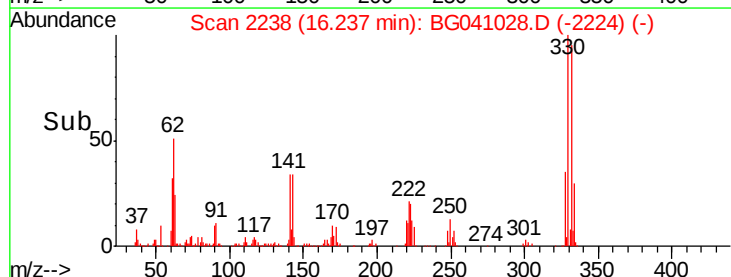
60000

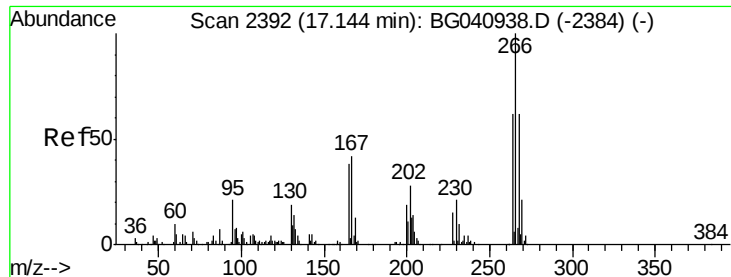
40000

20000

0

Time-->

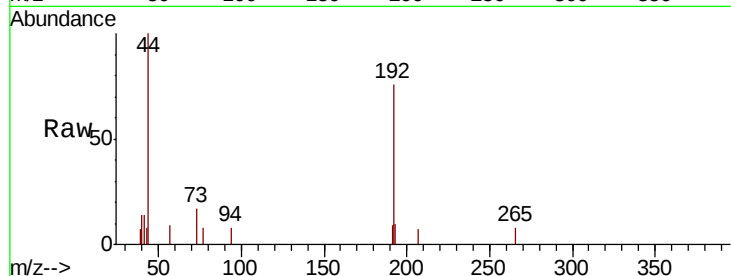




#70
 Pentachlorophenol
 Concen: 4.274 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. 0.14 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

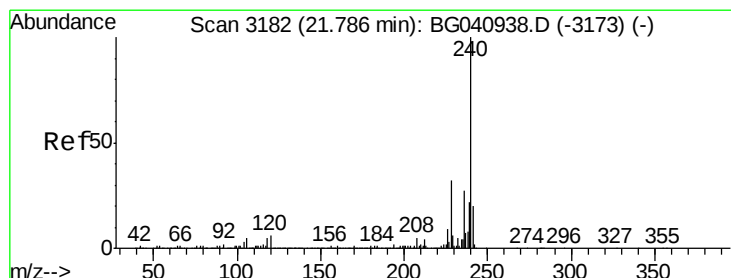
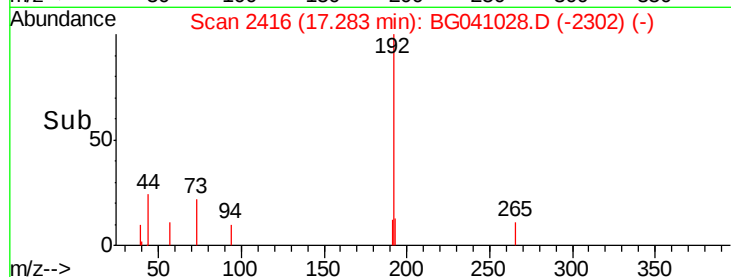
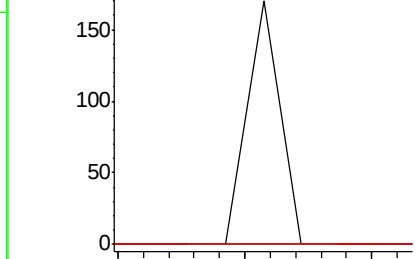
Instrument :
 BNA_G
 ClientSampled :

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



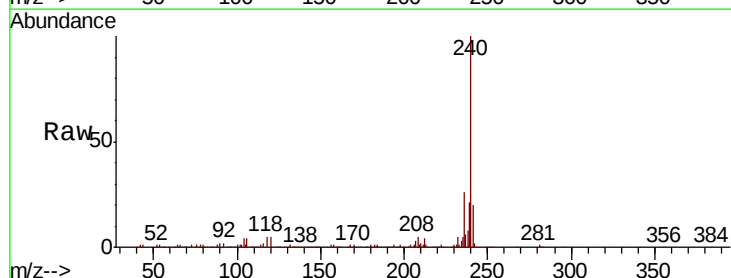
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

17.28



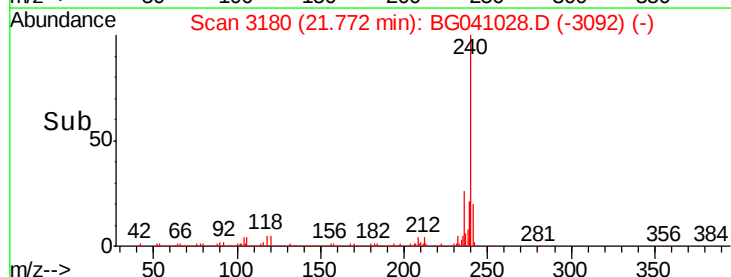
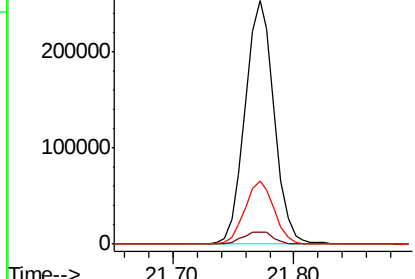
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

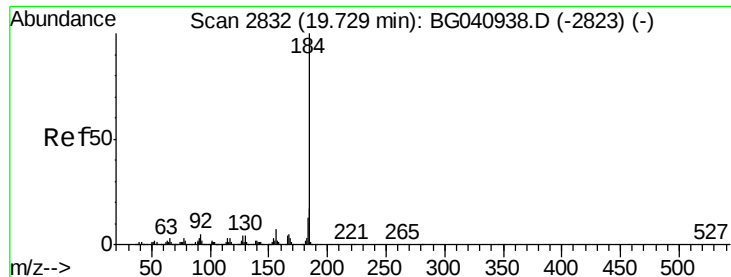
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.5	6.7
236	26.0	21.3	31.9



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





#77

Benzidine

Concen: 2.495 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

Instrument :

BNA_G

ClientSampleId :

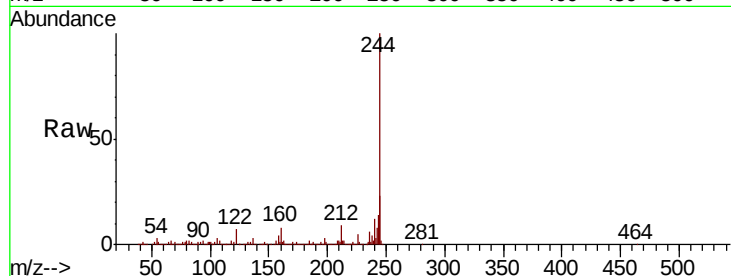
Tot Ion:184 Resp: 25283

Ion Ratio Lower Upper

184 100

185 16.9 13.3 19.9

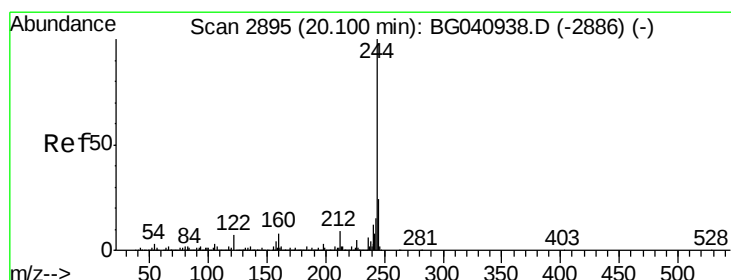
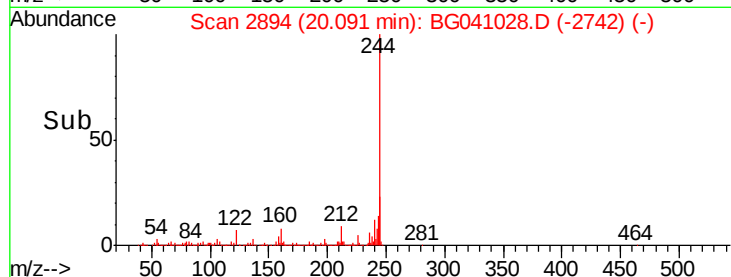
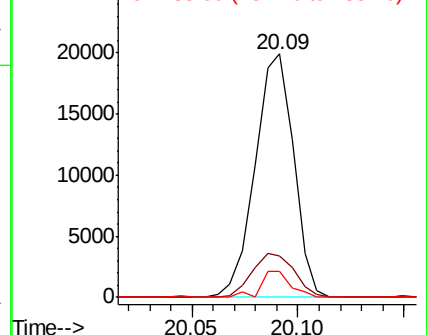
183 10.9 10.7 16.1



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: 75.581 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041028.D

Acq: 3 Jun 2019 11:11

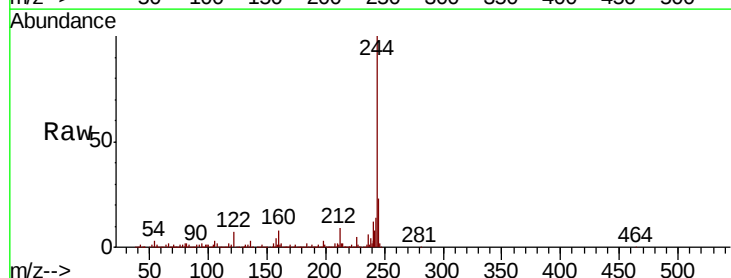
Tgt Ion:244 Resp: 1512863

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

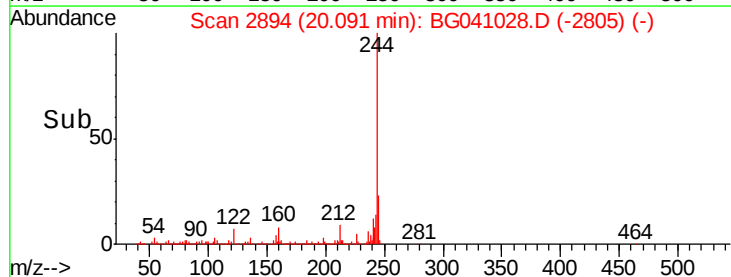
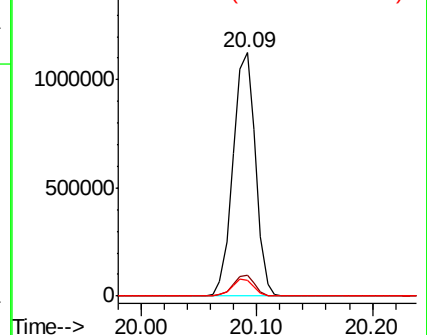
122 6.7 5.4 8.0

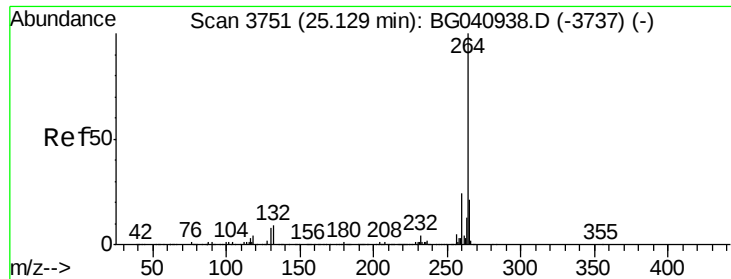


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3748
 Delta R.T. -0.02 min
 Lab File: BG041028.D
 Acq: 3 Jun 2019 11:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.3	19.0	28.4	
265	21.3	17.0	25.4	

