

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041018.D
 Acq On : 1 Jun 2019 18:43
 Operator : HP/JU
 Sample : K3106-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE

Quant Time: Jun 03 01:14:33 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

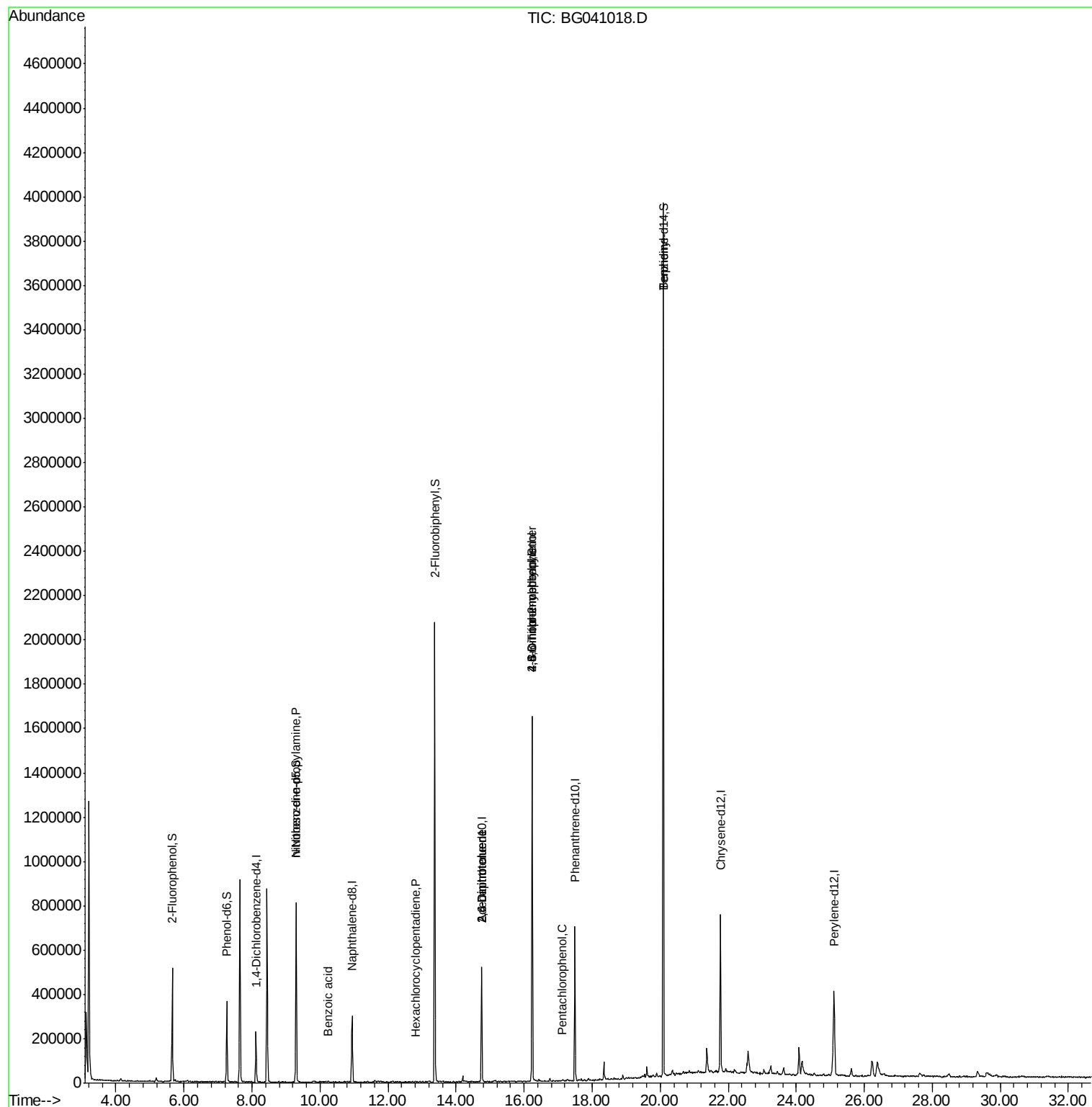
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	61617	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	241240	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	174156	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	422013	20.00	ng	0.00
76) Chrysene-d12	21.77	240	421403	20.00	ng	-0.01
87) Perylene-d12	25.11	264	445254	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	206401	60.40	ng	0.00
7) Phenol-d6	7.26	99	188501	35.72	ng	0.00
23) Nitrobenzene-d5	9.30	82	474811	87.38	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	310937	120.26	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1070519	88.52	ng	0.00
79) Terphenyl-d14	20.09	244	1742894	87.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	66639	16.409	ng	# 77
32) Benzoic acid	10.24	122	67	8.149	ng	# 1
41) Hexachlorocyclopentadiene	12.81	237	55	8.248	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	22710	7.145	ng	# 20
57) 2,4-Dinitrotoluene	14.75	165	22710	5.058	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.24	198	967	8.941	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	23073	4.051	ng	# 1
70) Pentachlorophenol	17.13	266	61	4.274	ng	# 18
77) Benzidine	20.09	184	31968	3.180	ng	96

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

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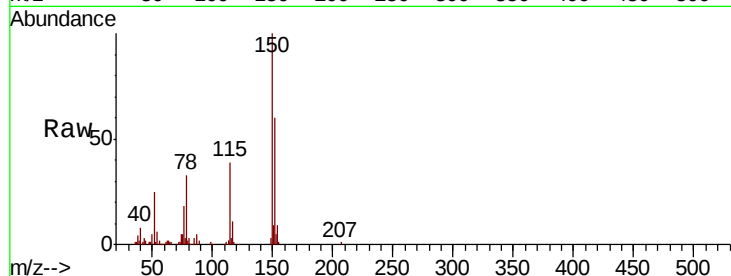


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Instrument :
BNA_G
ClientSampleId :
TRIANGLE

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.2	120.6	180.8
115	64.7	45.1	67.7

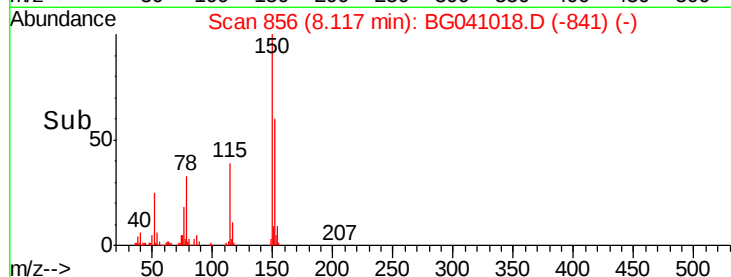
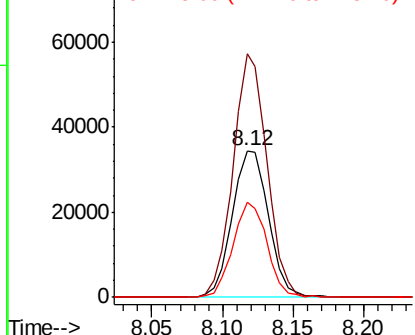


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

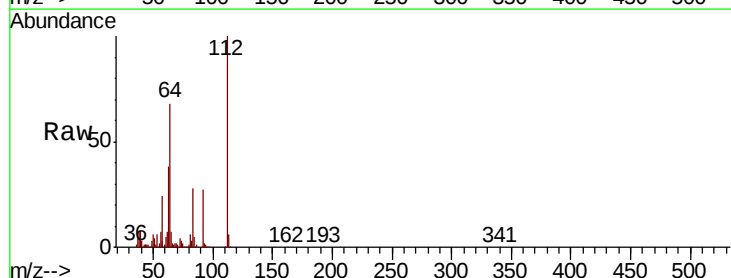
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.403 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	56.2	84.2
63	38.5	32.8	49.2

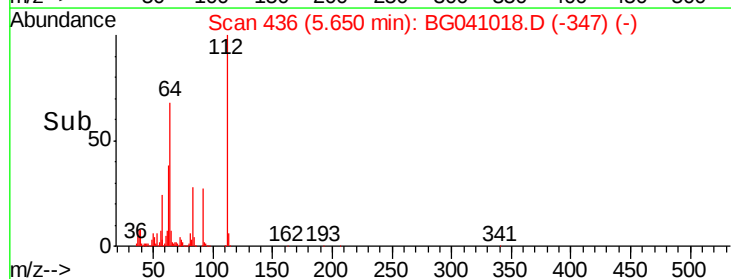
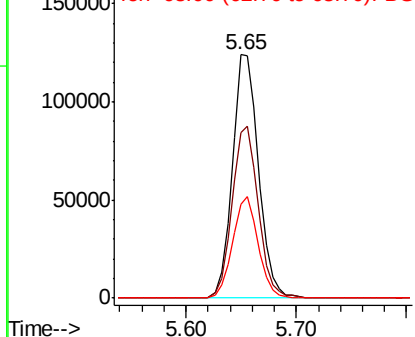


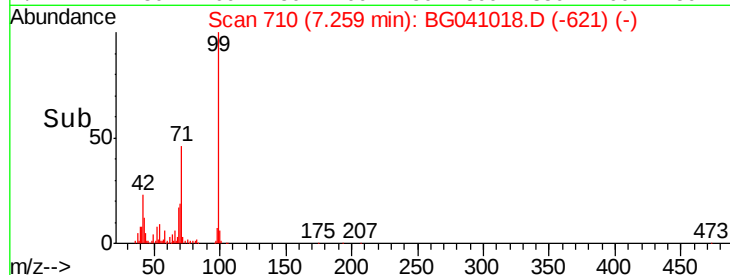
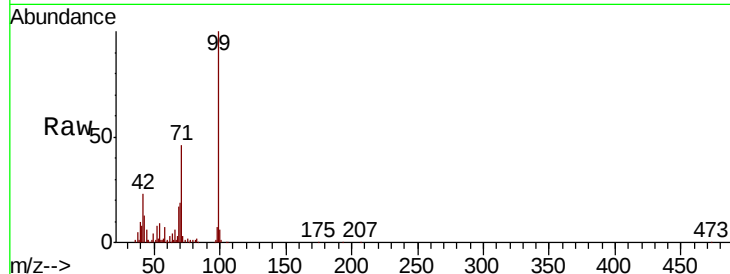
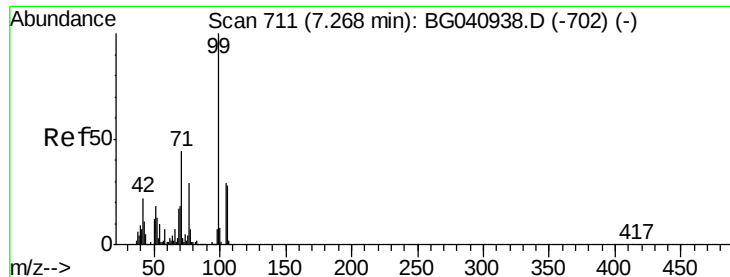
Abundance

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: 35.719 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Instrument :

BNA_G

ClientSampleId :

TRIANGLE

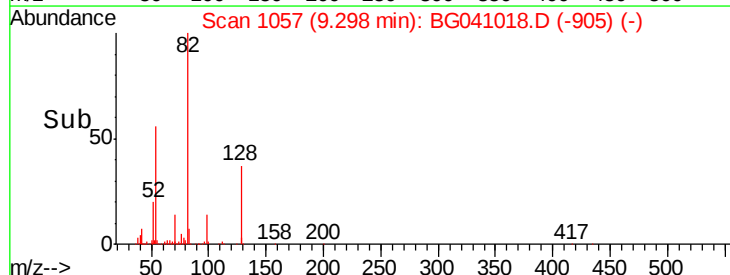
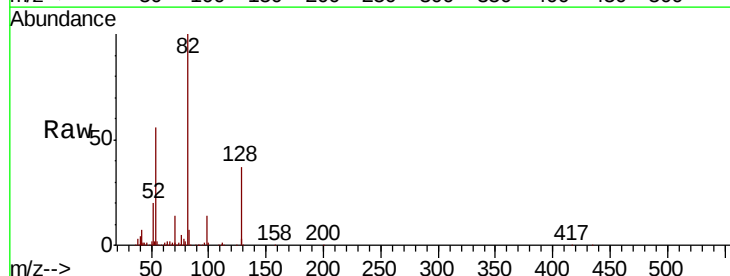
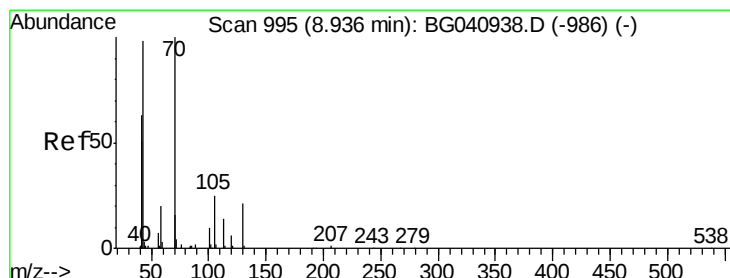
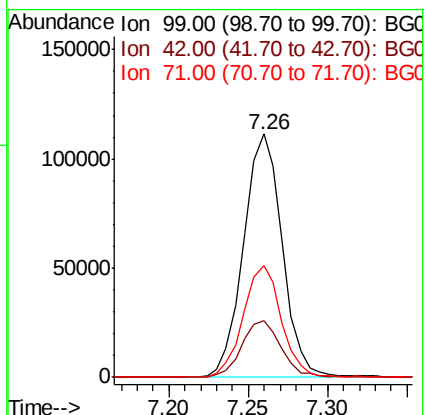
Tot Ion: 99 Resp: 188501

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 46.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.409 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Tgt Ion: 70 Resp: 66639

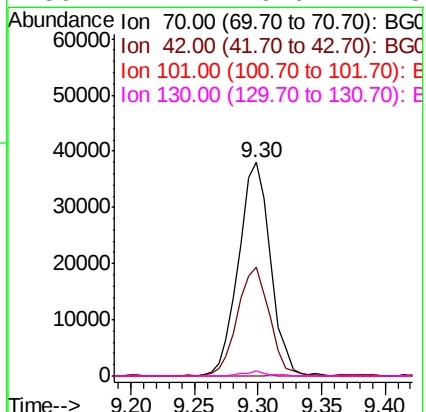
Ion Ratio Lower Upper

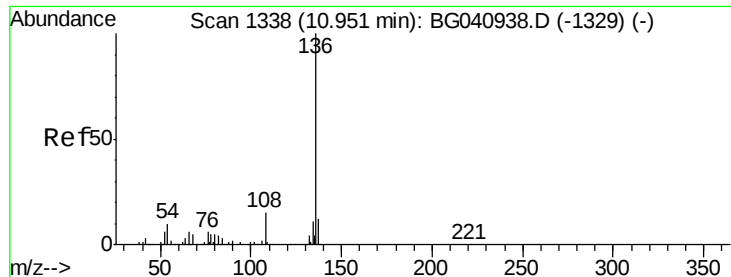
70 100

42 50.9 51.5 77.3#

101 0.0 8.1 12.1#

130 2.7 16.6 24.8#

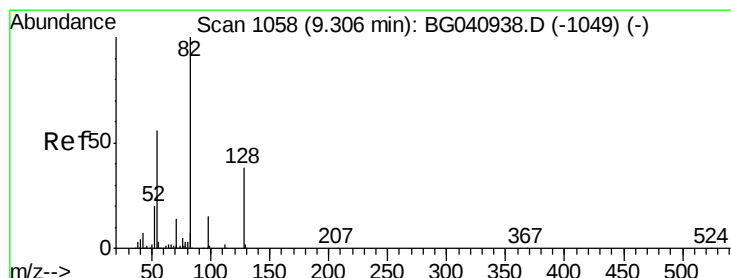
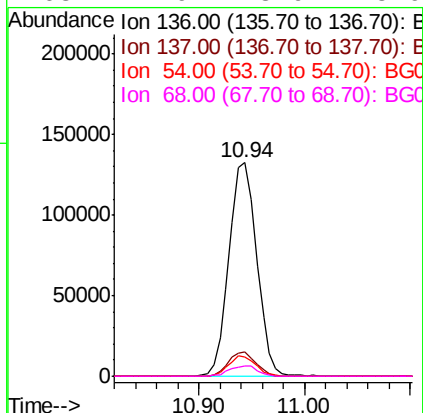
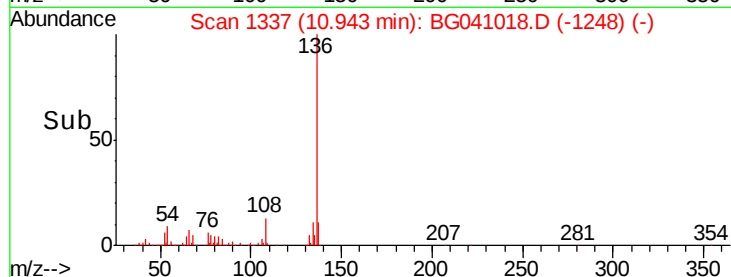
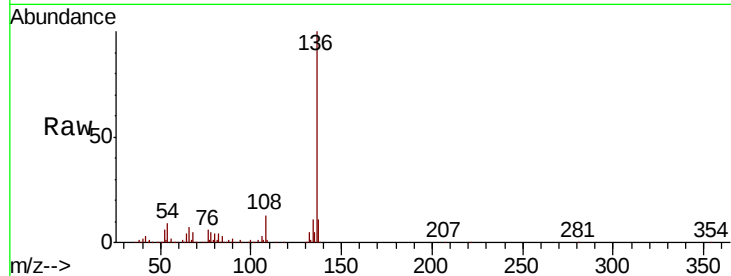




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

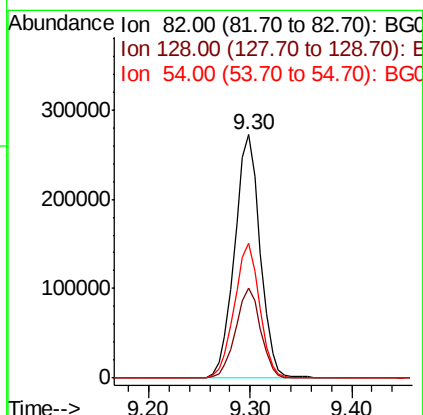
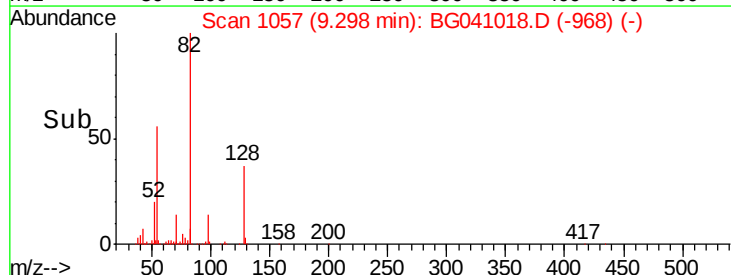
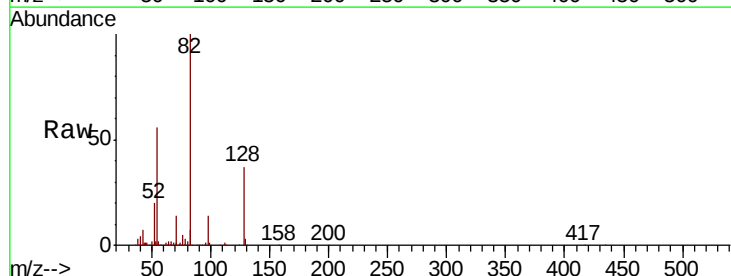
Instrument :
BNA_G
ClientSampleId :
TRIANGLE

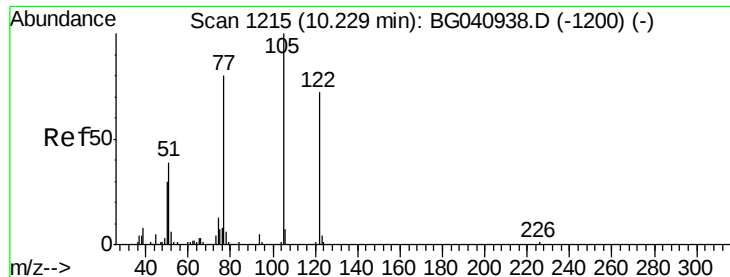
Tot Ion:136	Resp:	241240
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.5	14.3
54 8.9	7.6	11.4
68 4.9	3.9	5.9



#23
Nitrobenzene-d5
Concen: 87.376 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Tgt Ion: 82	Resp: 474811
Ion Ratio	Lower Upper
82 100	
128 36.8	30.5 45.7
54 55.6	44.6 66.8





#32

Benzoic acid

Concen: 8.149 ng

RT: 10.24 min Scan# 1218

Delta R.T. 0.02 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Instrument :

BNA_G

ClientSampleId :

TRIANGLE

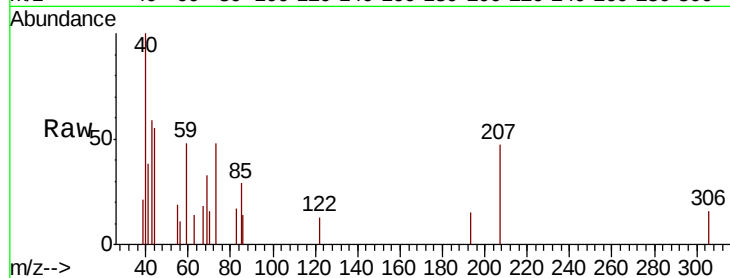
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

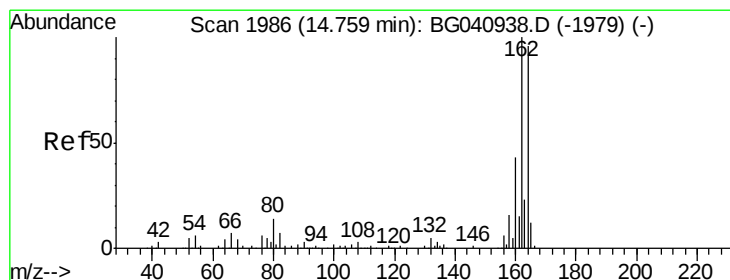
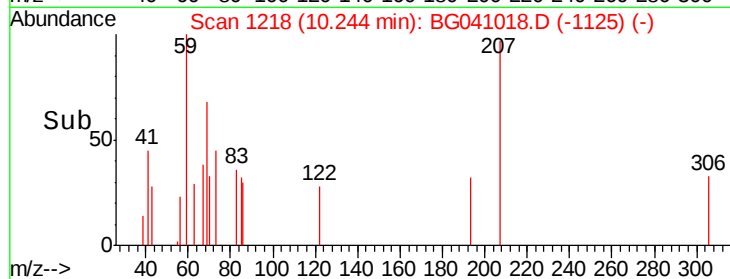
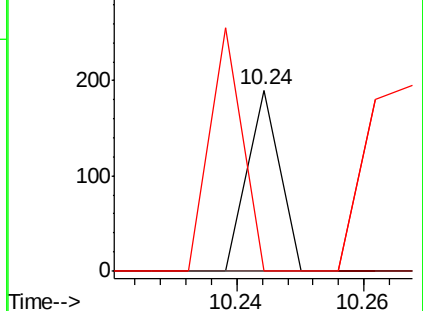
77 0.0 89.9 129.9#



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: BG041018.D

Acq: 1 Jun 2019 18:43

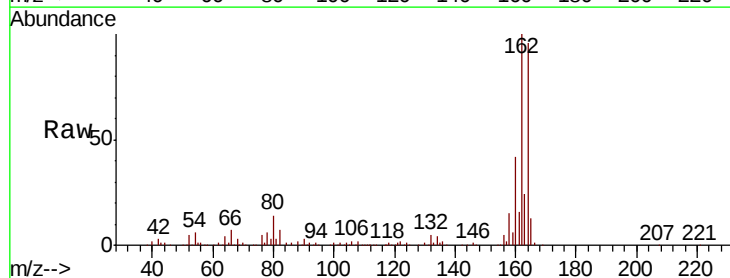
Tgt Ion:164 Resp: 174156

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.4

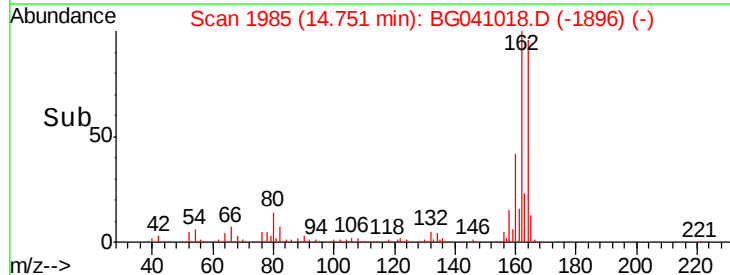
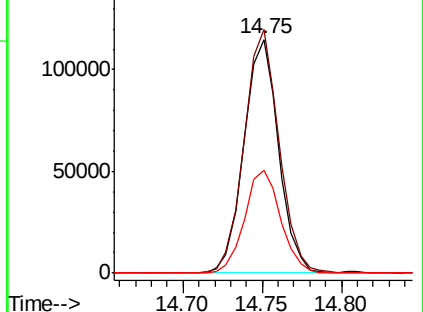
160 44.1 35.6 53.4

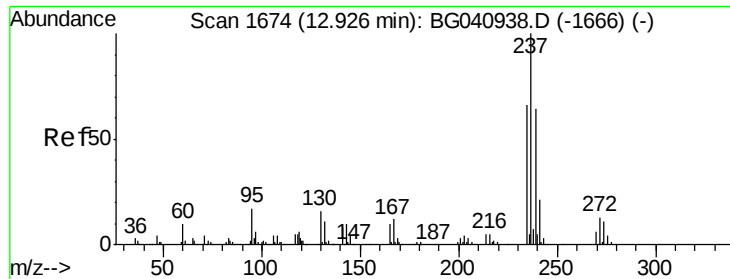


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.248 ng

RT: 12.81 min Scan# 1655

Delta R.T. -0.11 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Instrument :

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ClientSampleId :

TRIANGLE

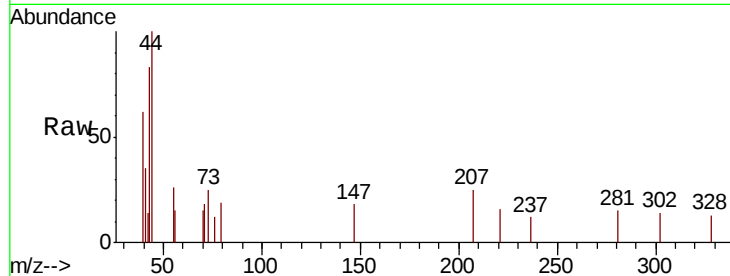
Tot Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

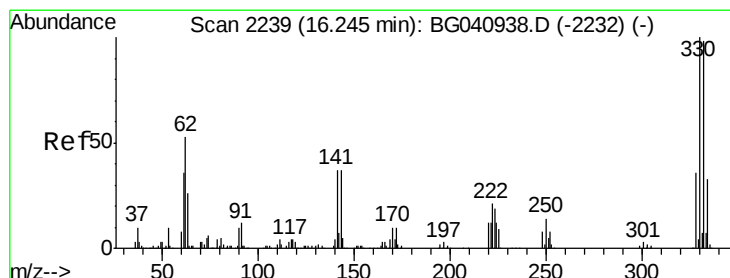
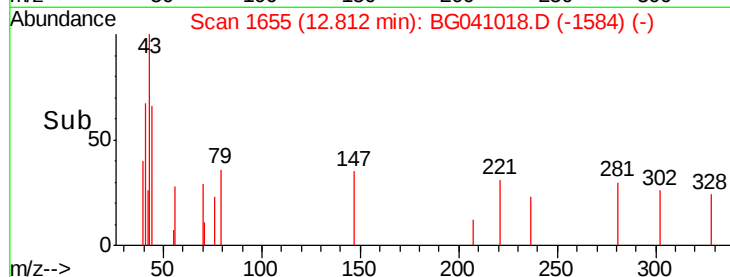
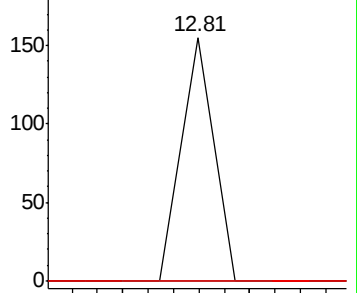
272 0.0 0.0 32.9



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: 120.263 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

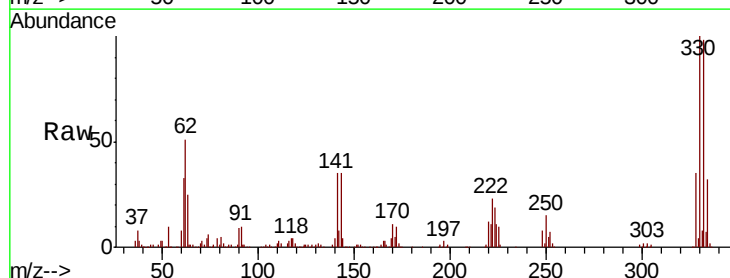
Tgt Ion:330 Resp: 310937

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

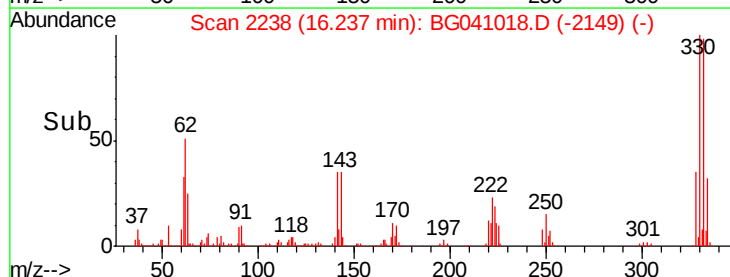
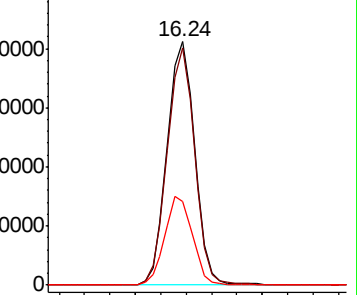
141 36.6 28.7 43.1

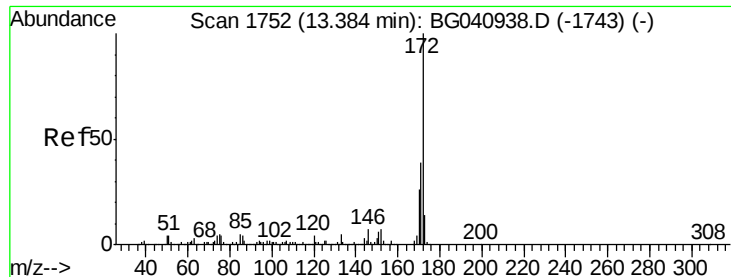


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

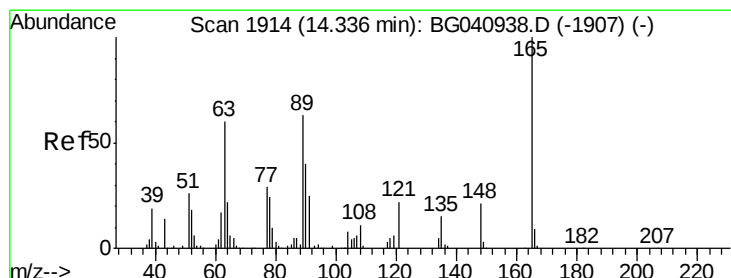
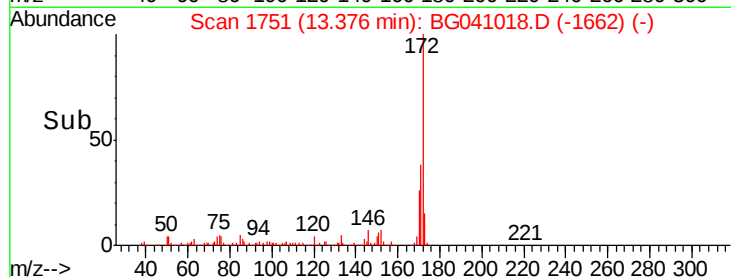
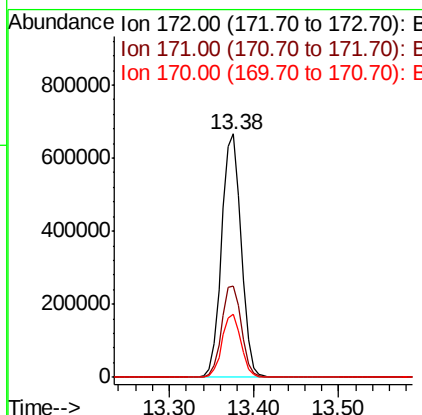
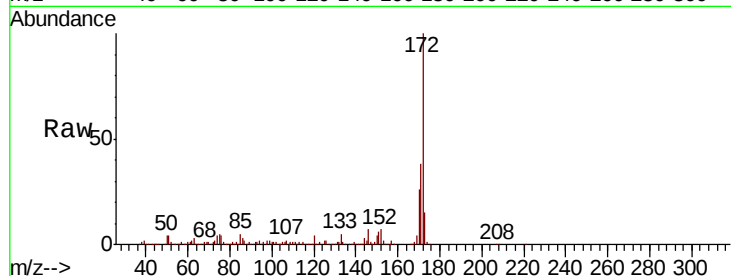




#45
2-Fluorobiphenyl
Concen: 88.522 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

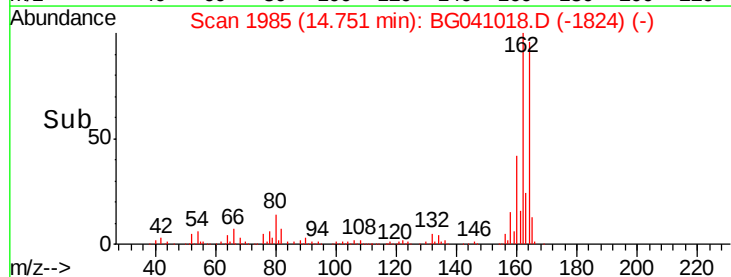
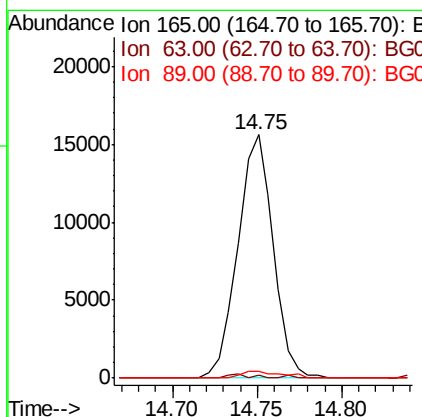
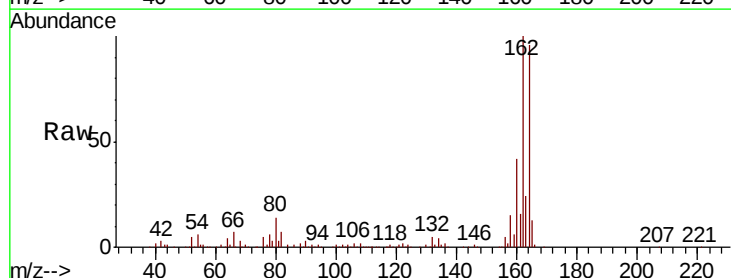
Instrument :
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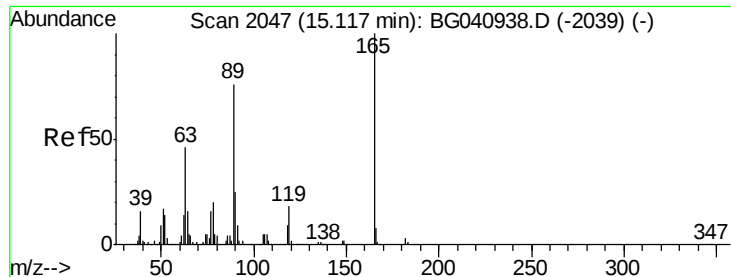
Tot Ion:172 Resp: 1070519
Ion Ratio Lower Upper
172 100
171 37.7 31.1 46.7
170 26.0 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.145 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.41 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Tgt Ion:165 Resp: 22710
Ion Ratio Lower Upper
165 100
63 1.3 53.6 80.4#
89 2.8 50.4 75.6#

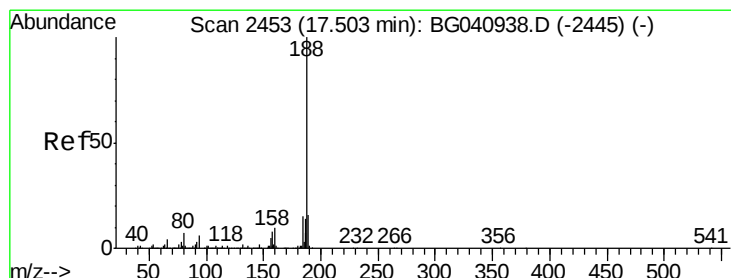
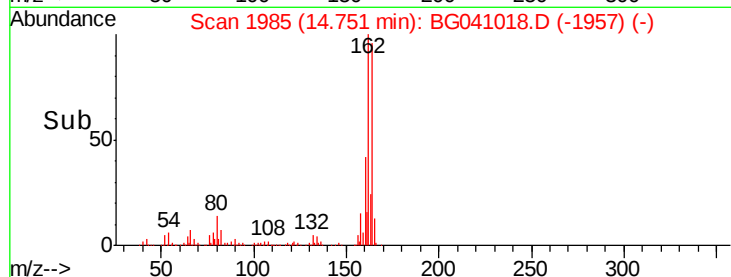
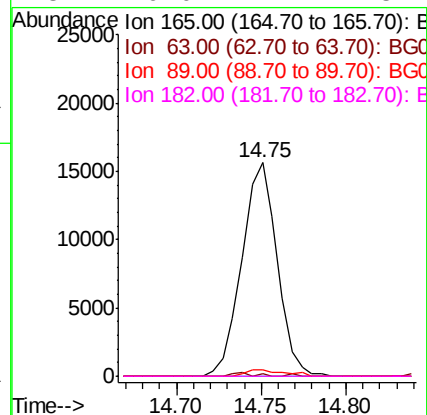
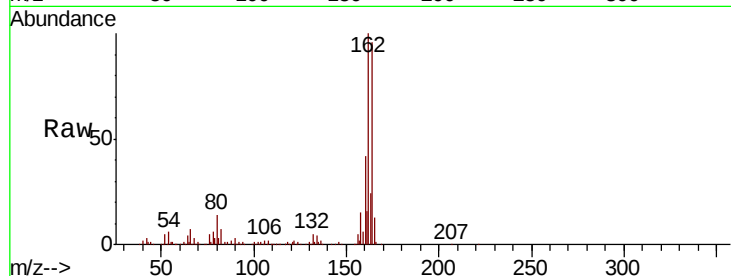




#57
2,4-Dinitrotoluene
Concen: 5.058 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

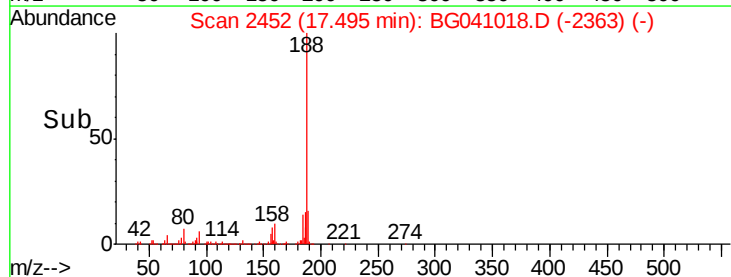
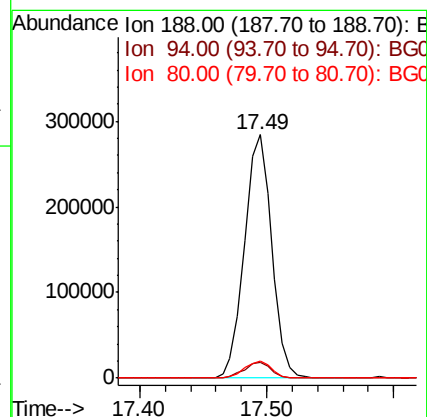
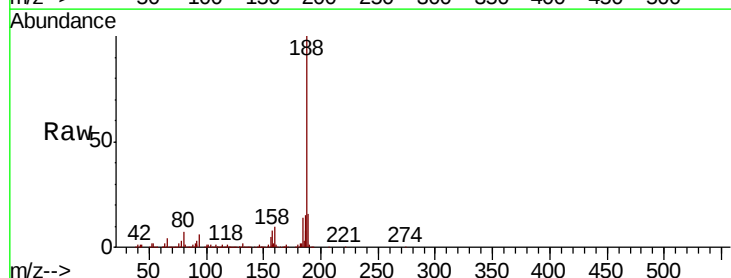
Instrument :
BNA_G
ClientSampleId :
TRIANGLE

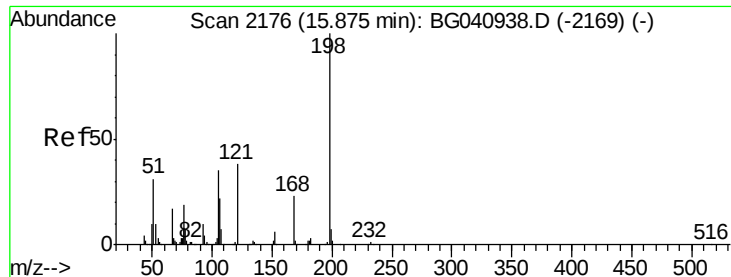
Tot Ion:165 Resp: 22710
Ion Ratio Lower Upper
165 100
63 1.3 37.3 55.9#
89 2.8 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Tgt Ion:188 Resp: 422013
Ion Ratio Lower Upper
188 100
94 6.4 4.7 7.1
80 6.8 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.941 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Instrument :

BNA_G

ClientSampled :

TRIANGLE

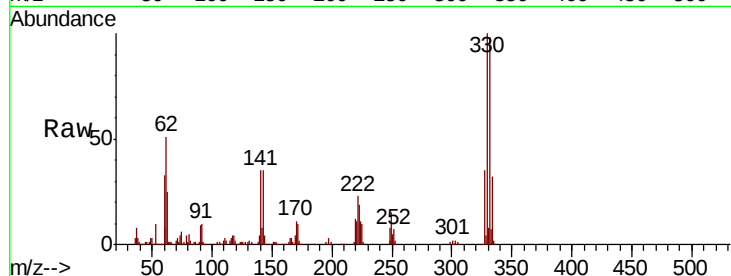
Tot Ion:198 Resp: 967

Ion Ratio Lower Upper

198 100

51 163.9 21.6 61.6#

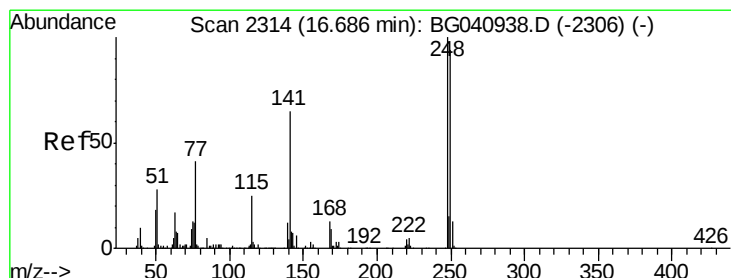
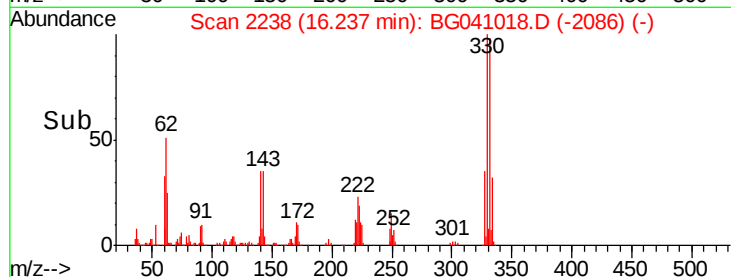
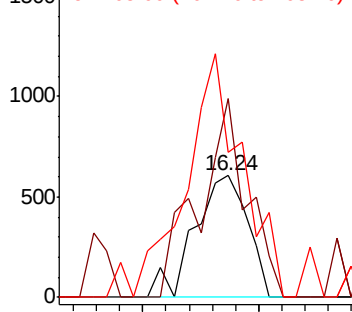
105 119.6 17.5 57.5#



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: 4.051 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

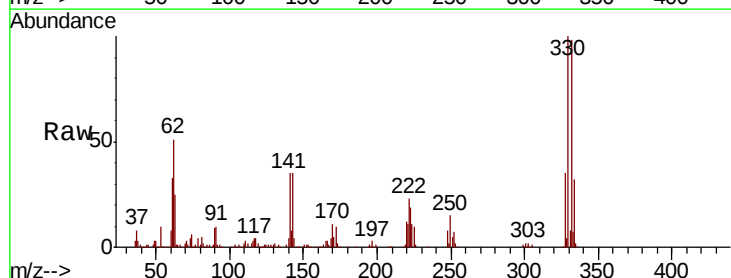
Tgt Ion:248 Resp: 23073

Ion Ratio Lower Upper

248 100

250 193.0 75.0 112.4#

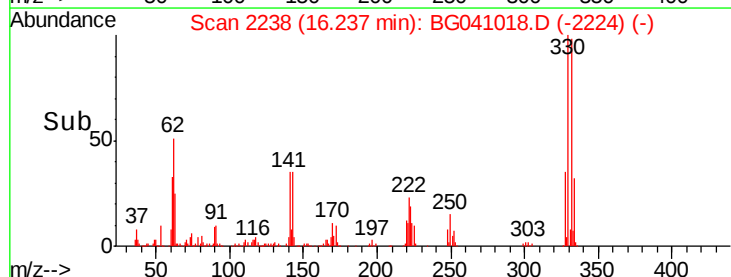
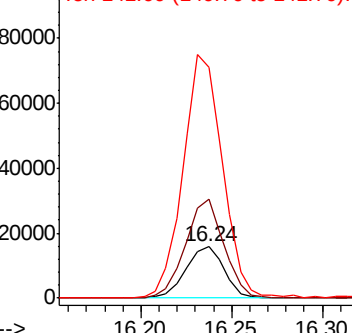
141 452.1 52.4 78.6#

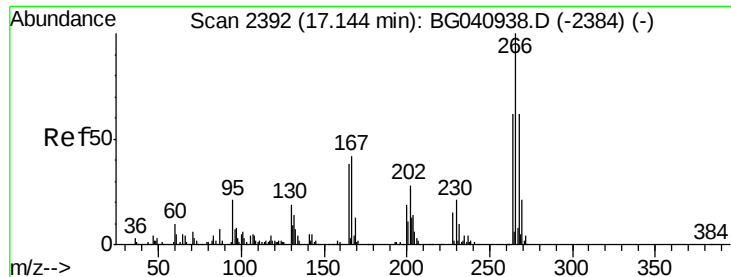


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

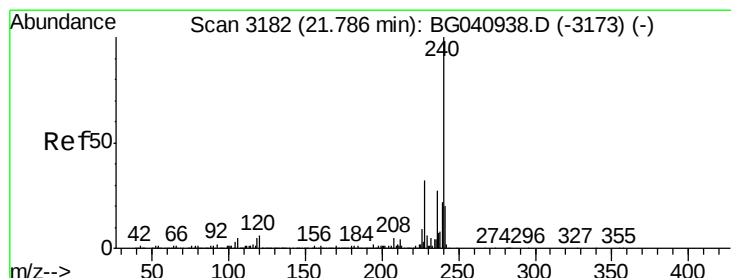
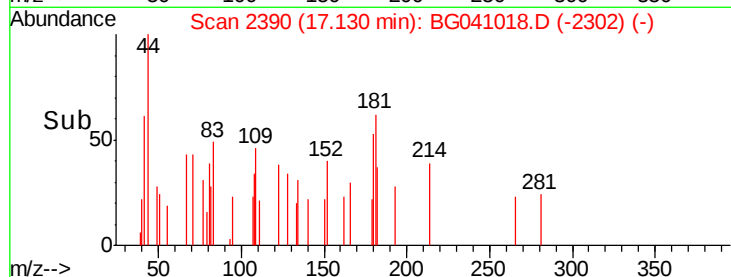
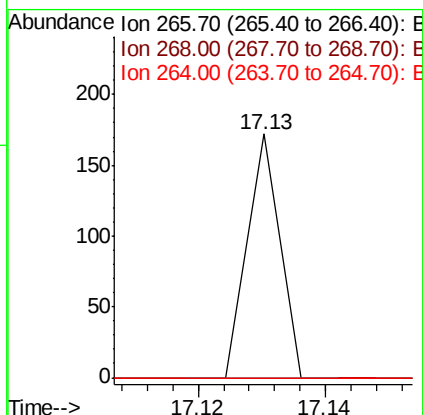
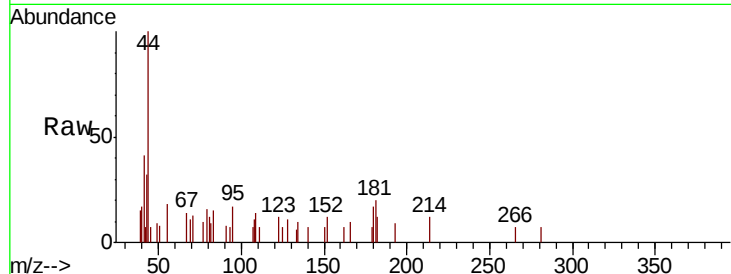




#70
 Pentachlorophenol
 Concen: 4.274 ng
 RT: 17.13 min Scan# 2390
 Delta R.T. -0.01 min
 Lab File: BG041018.D
 Acq: 1 Jun 2019 18:43

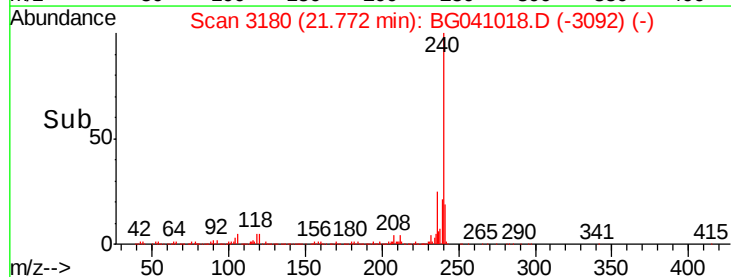
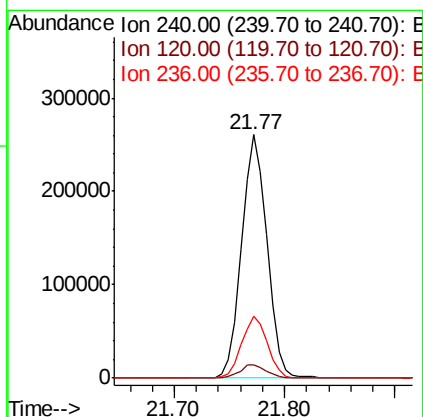
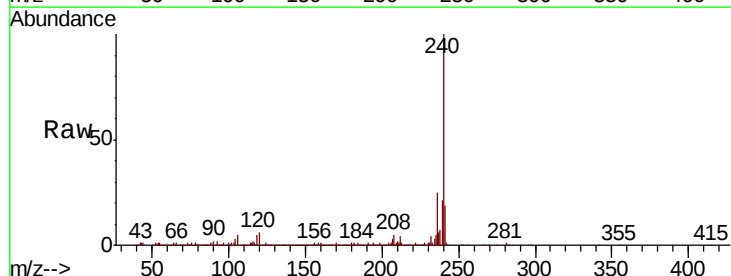
Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE

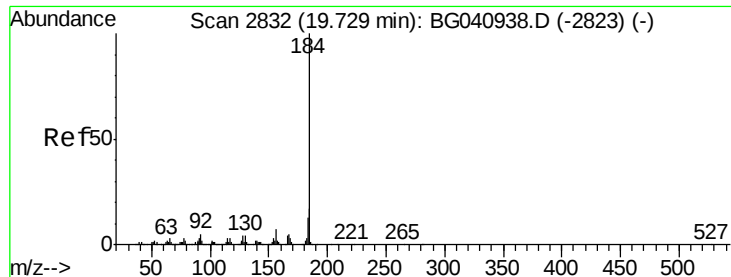
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041018.D
 Acq: 1 Jun 2019 18:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.5	6.7
236	25.4	21.3	31.9





#77

Benzidine

Concen: 3.180 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

Instrument :

BNA_G

ClientSampleId :

TRIANGLE

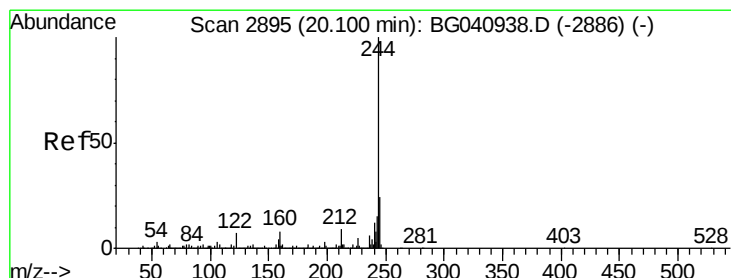
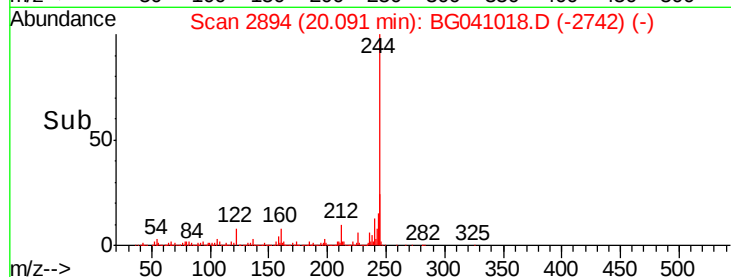
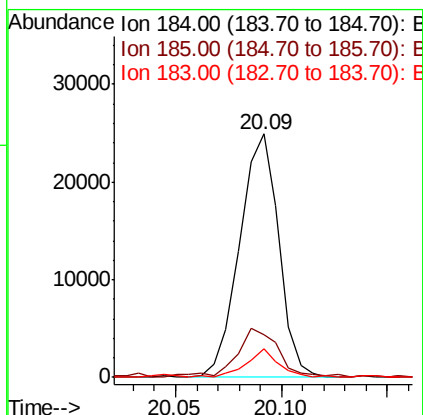
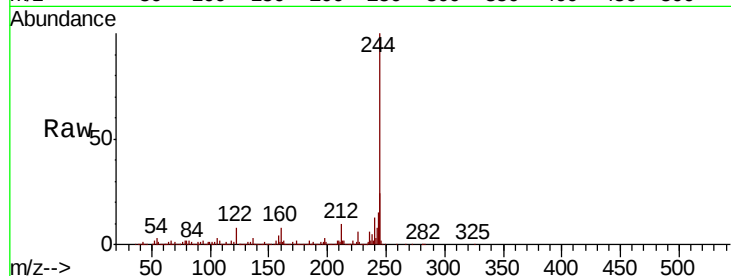
Tot Ion:184 Resp: 31968

Ion Ratio Lower Upper

184 100

185 17.8 13.3 19.9

183 11.5 10.7 16.1



#79

Terphenyl-d14

Concen: 87.779 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

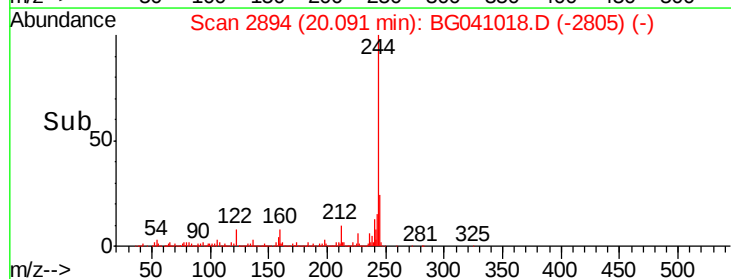
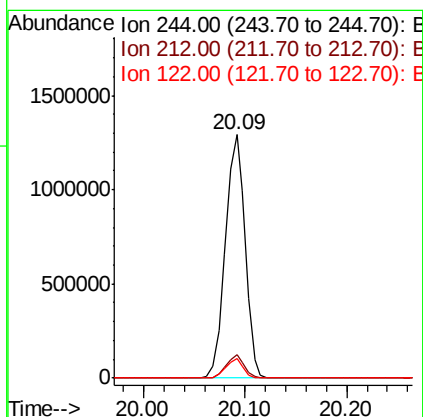
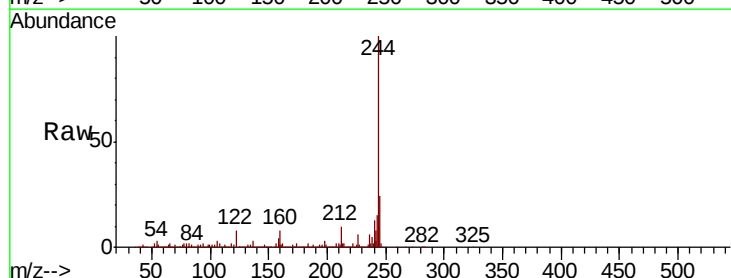
Tgt Ion:244 Resp: 1742894

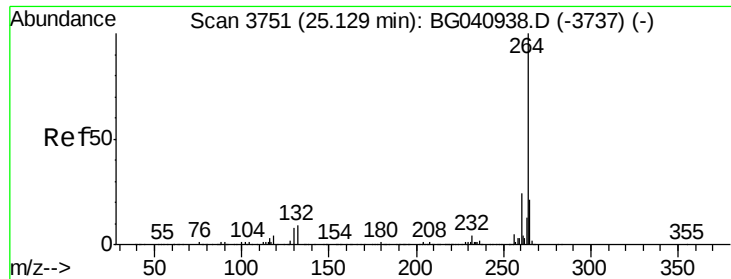
Ion Ratio Lower Upper

244 100

212 9.7 7.0 10.4

122 8.1 5.4 8.0#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3748
 Delta R.T. -0.02 min
 Lab File: BG041018.D
 Acq: 1 Jun 2019 18:43

Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE

Tot Ion:	264	Resp:	445254
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.0	28.4
265	20.9	17.0	25.4

