

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 :

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

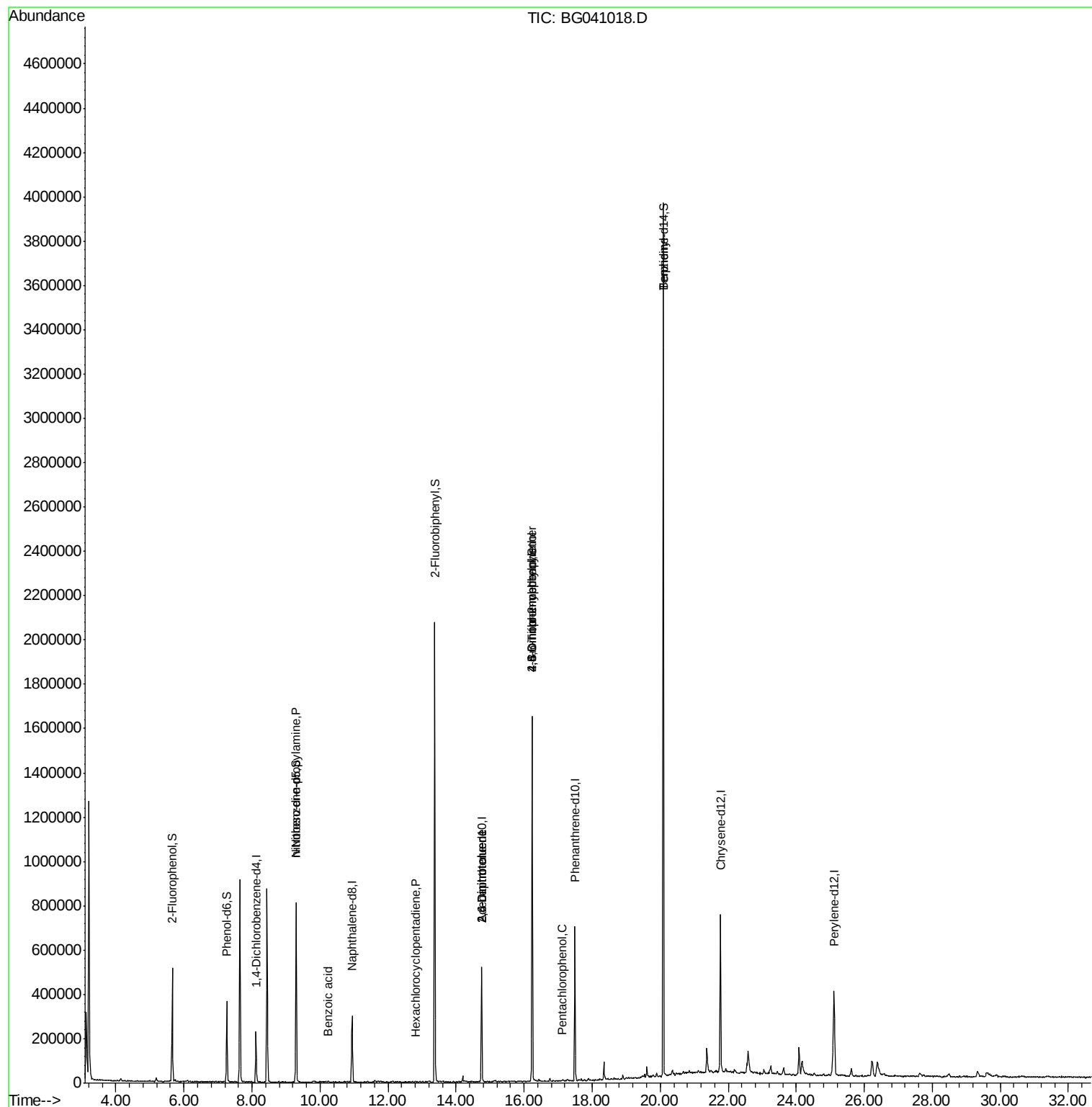
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	66639	16.409	ng	# 77
32) Benzoic acid	10.24	122	67	8.149	ng	# 1
41) Hexachlorocyclopentadiene	12.81	237	55	8.248	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	22710	7.145	ng	# 20
57) 2,4-Dinitrotoluene	14.75	165	22710	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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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

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
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Response via : Initial Calibration



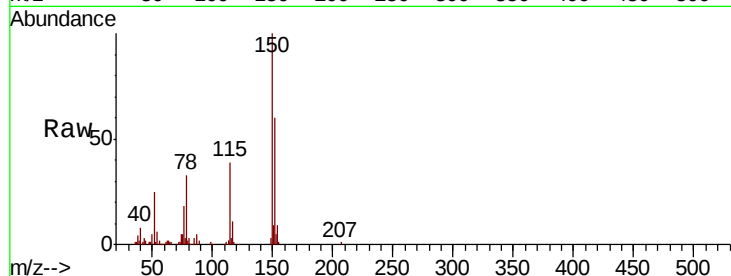


#1

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

Instrument :
BNA_G
ClientSampleId :

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

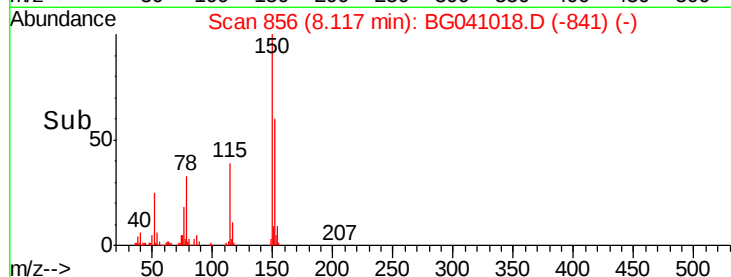
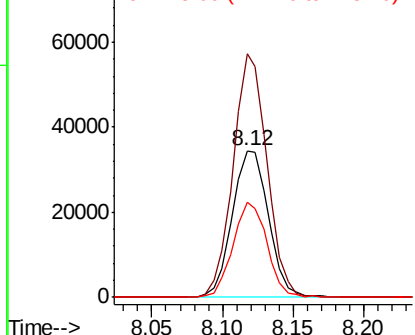


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

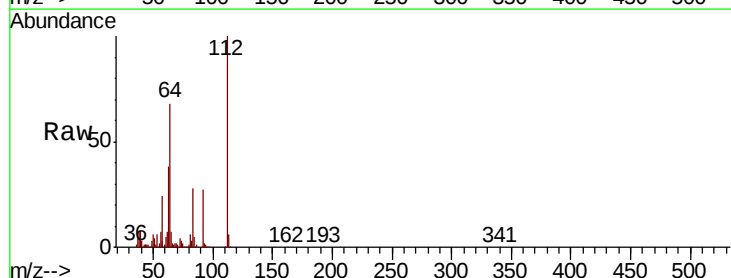
Ion 115.00 (114.70 to 115.70): E



#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

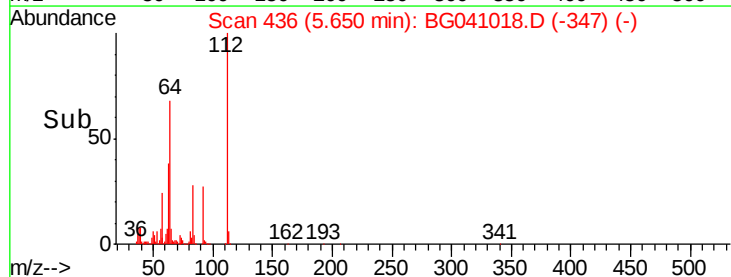
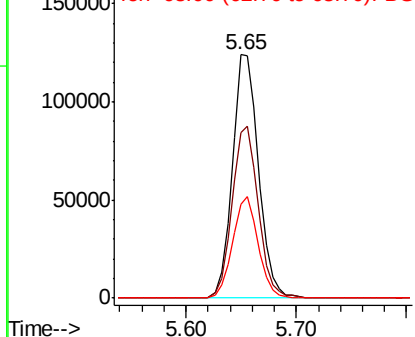


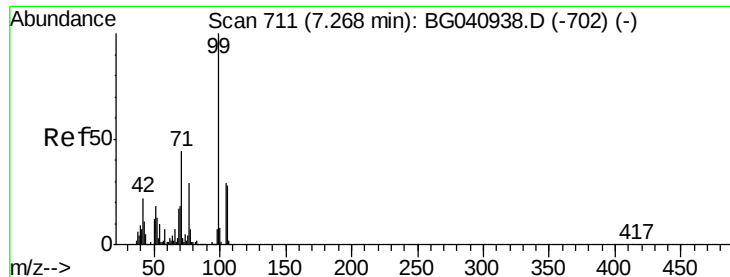
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#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 :

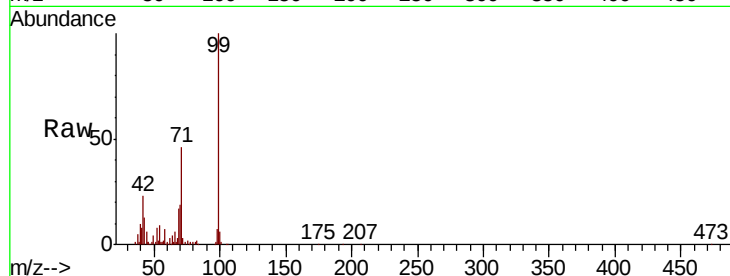
Tot Ion: 99 Resp: 188501

Ion Ratio Lower Upper

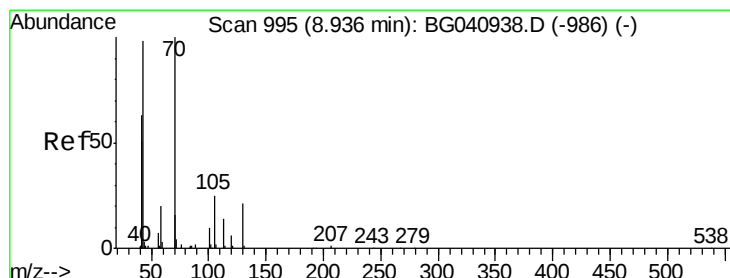
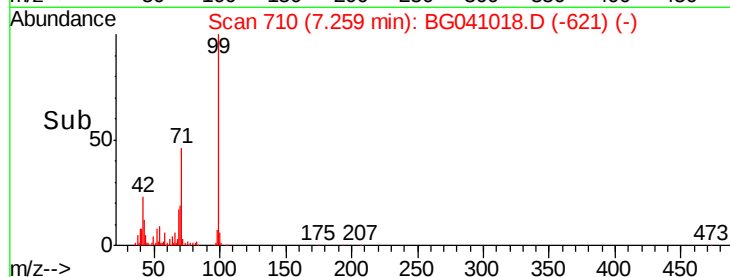
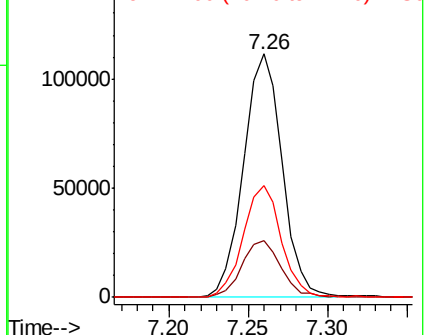
99 100

42 23.1 17.9 26.9

71 46.1 35.4 53.0



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: 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

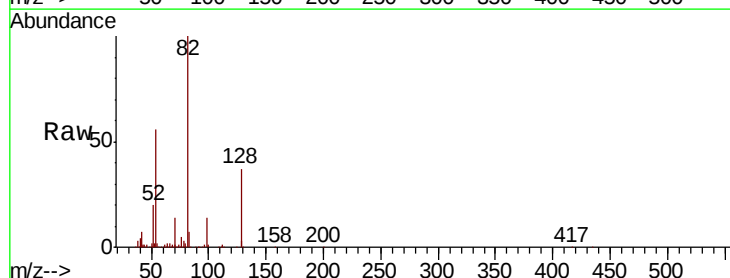
Ion Ratio Lower Upper

70 100

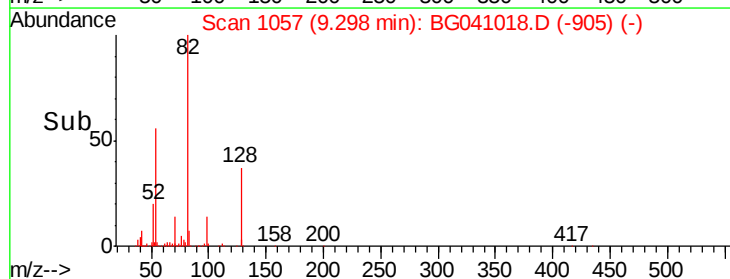
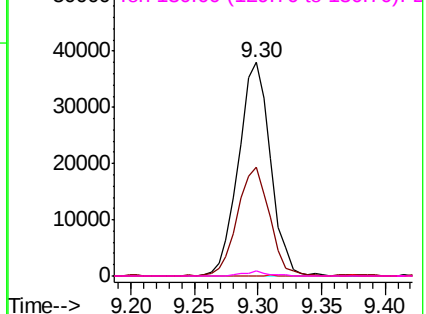
42 50.9 51.5 77.3#

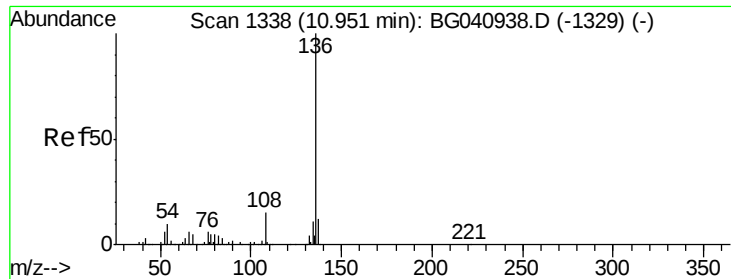
101 0.0 8.1 12.1#

130 2.7 16.6 24.8#



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

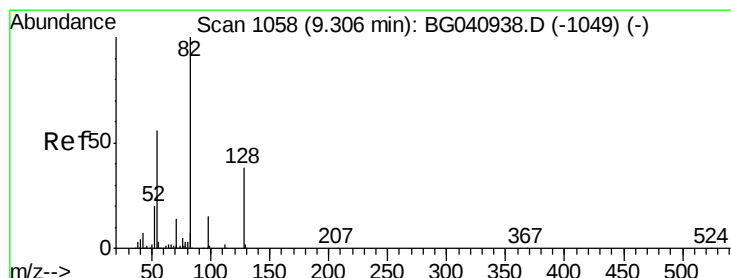
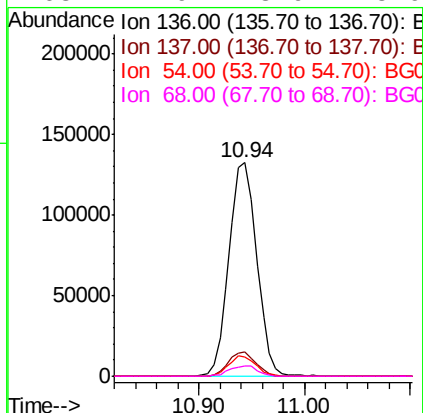
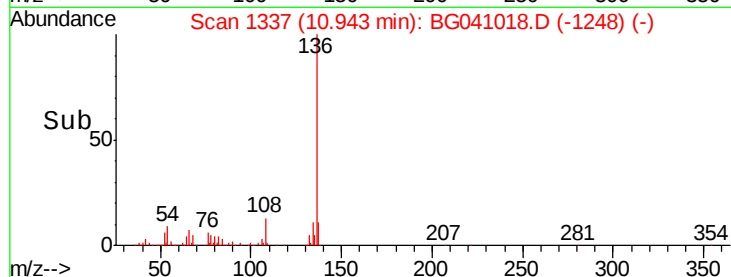
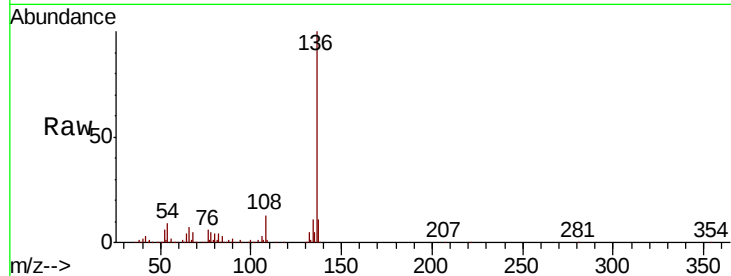




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

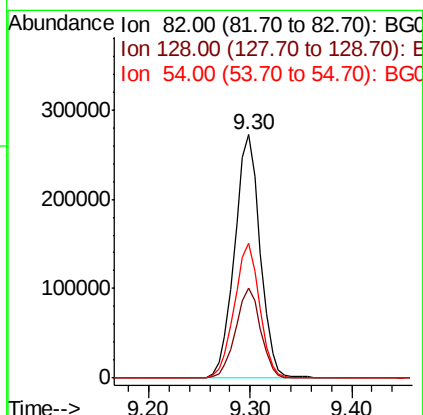
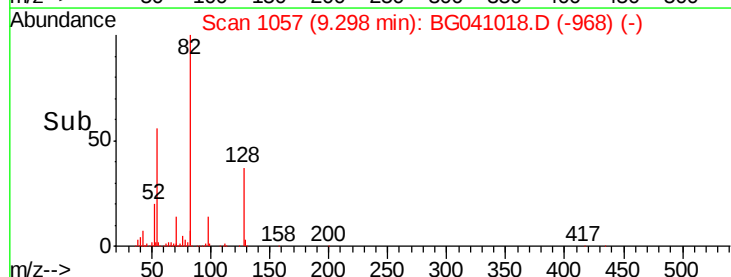
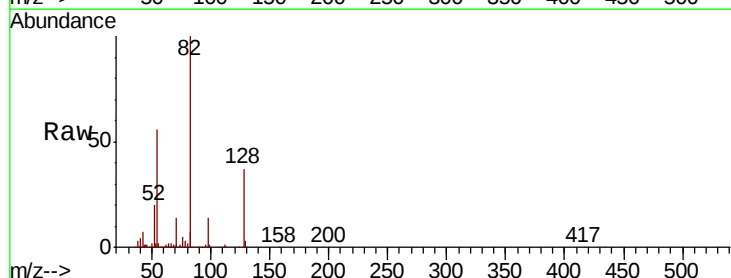
Instrument :
BNA_G
ClientSampleId :

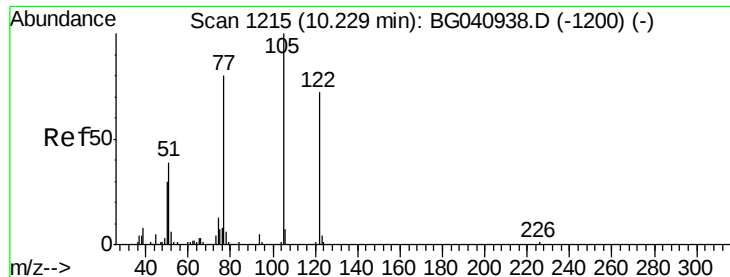
Tot Ion:136	Resp:	241240
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.5	14.3
54 8.9	7.6	11.4
68 4.9	3.9	5.9



#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

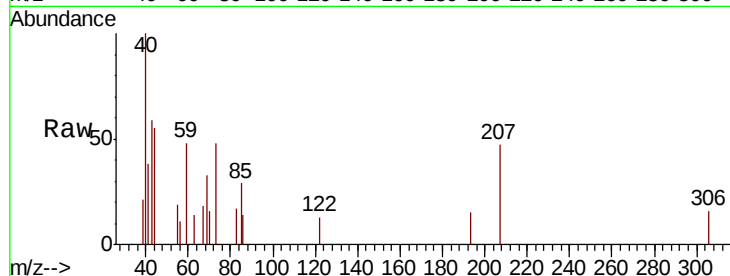




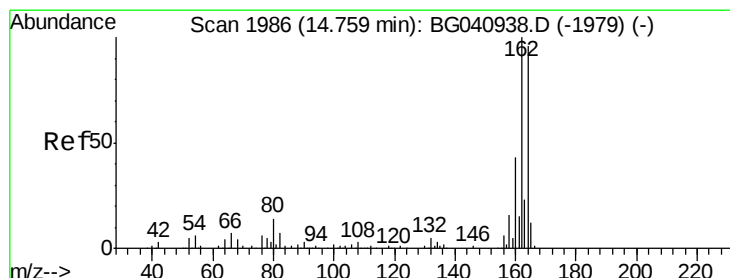
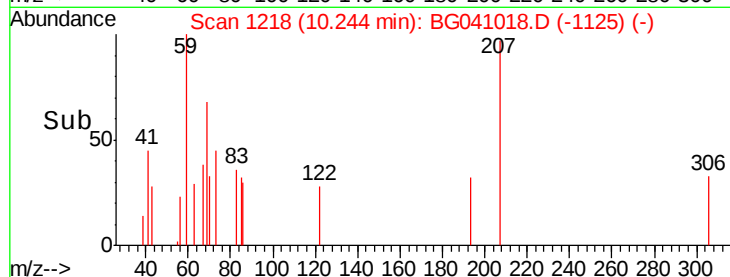
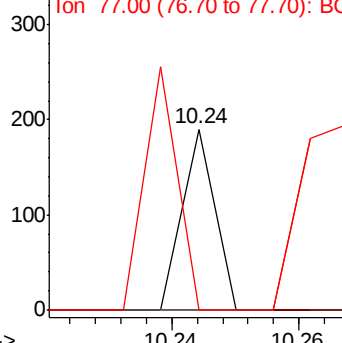
#32
Benzoic acid
Concen: 8.149 ng
RT: 10.24 min Scan# 1218
Delta R.T. 0.02 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

Instrument :
BNA_G
ClientSampleId :

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#

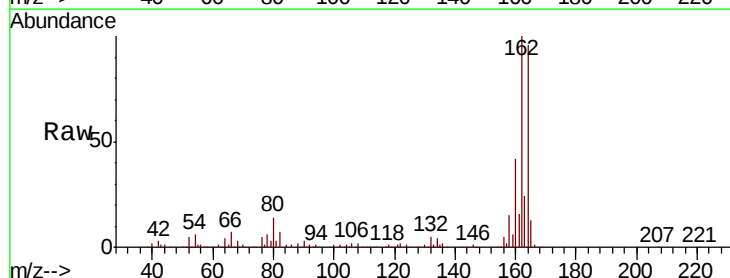


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO

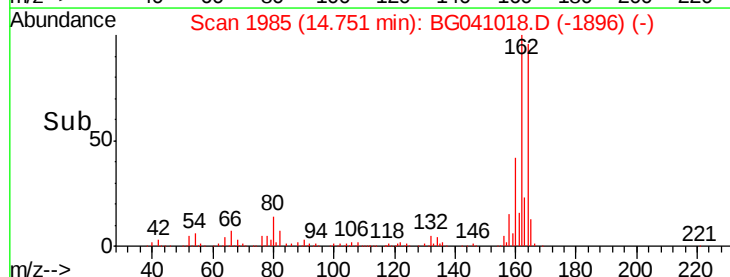
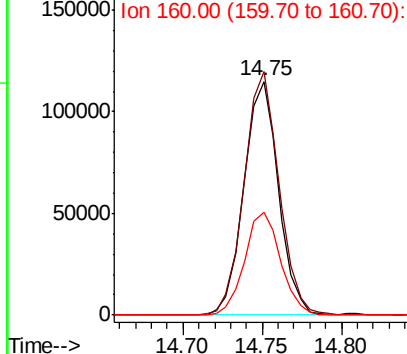


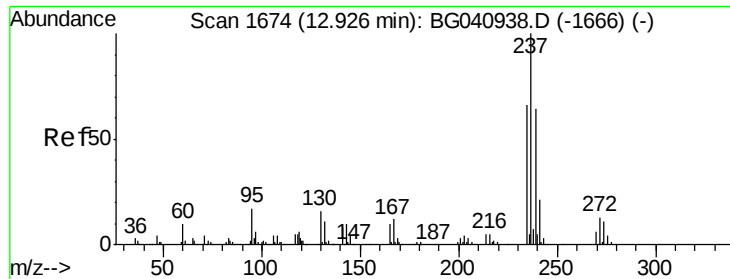
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

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

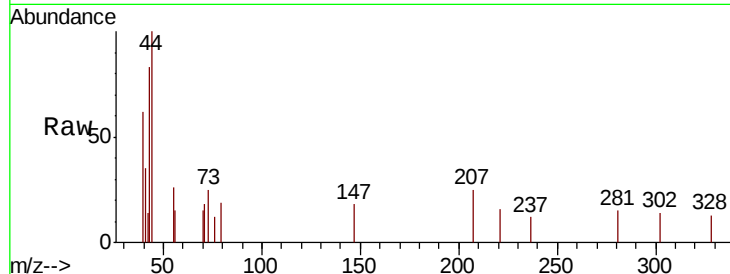
Acq: 1 Jun 2019 18:43

Instrument :

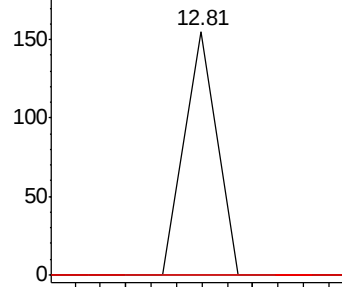
BNA_G

ClientSampleId :

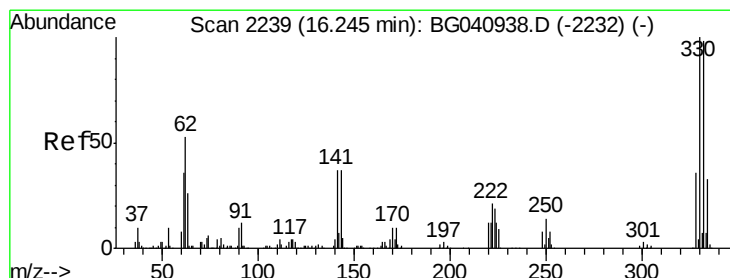
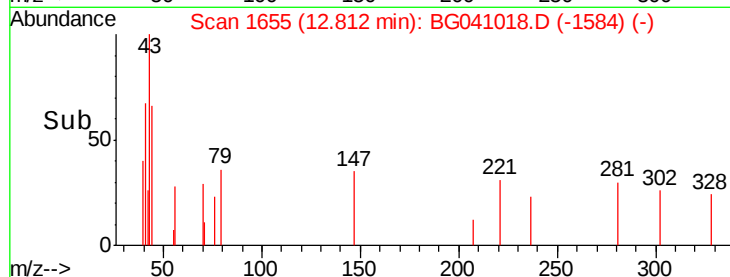
Tot Ion:	237	Resp:	55
Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



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



Time-->



#42

2,4,6-Tribromophenol

Concen: 120.263 ng

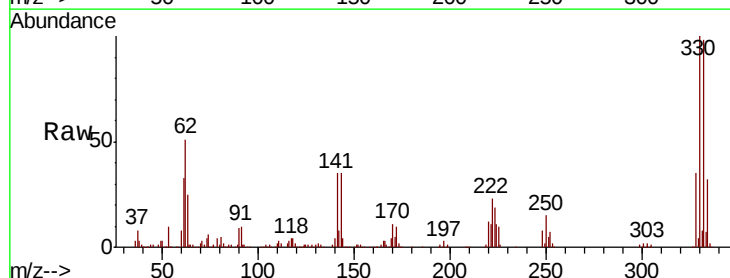
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

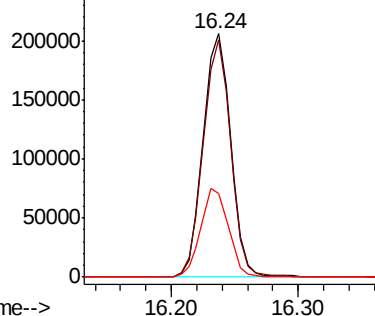
Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

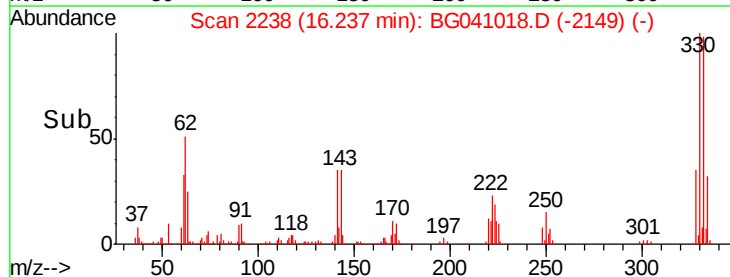
Tgt Ion:	330	Resp:	310937
Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	36.6	28.7	43.1

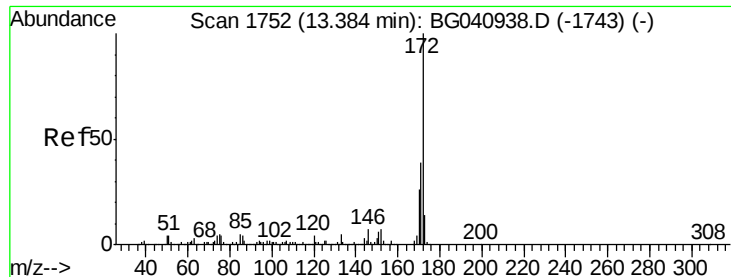


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->

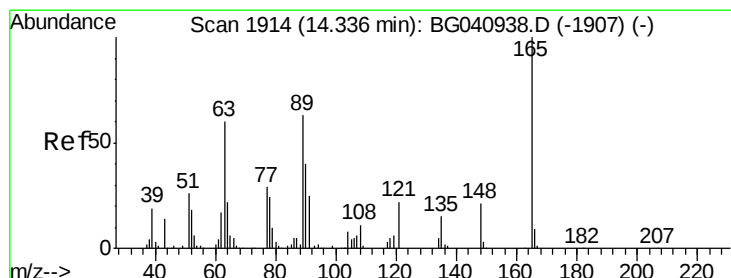
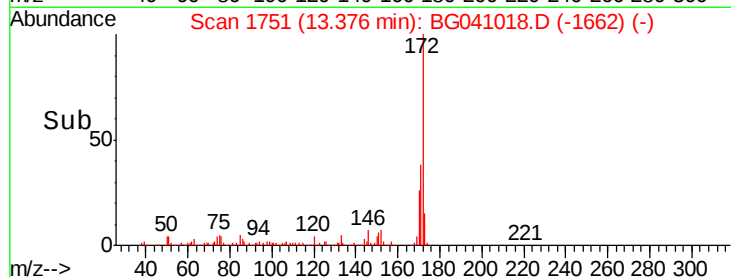
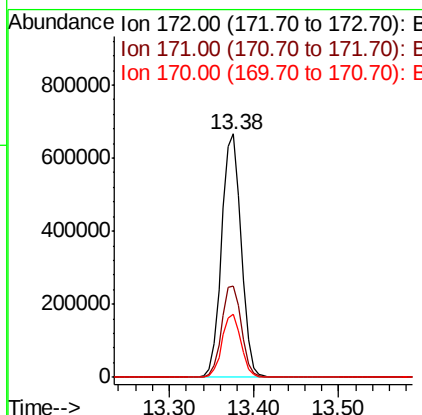
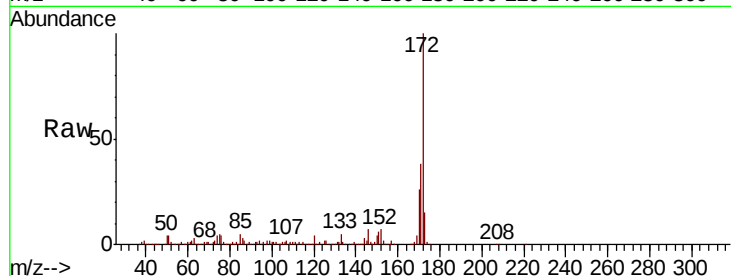




#45
2-Fluorobiphenyl
Concen: 88.522 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041018.D
Acq: 1 Jun 2019 18:43

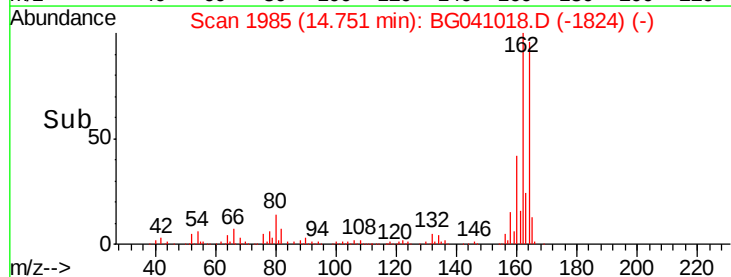
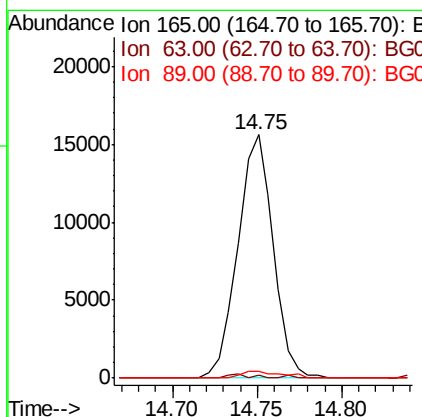
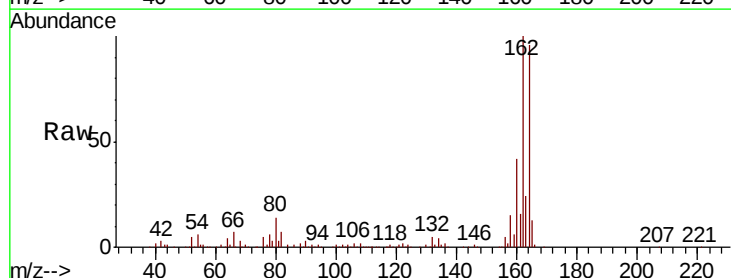
Instrument :
BNA_G
ClientSampleId :

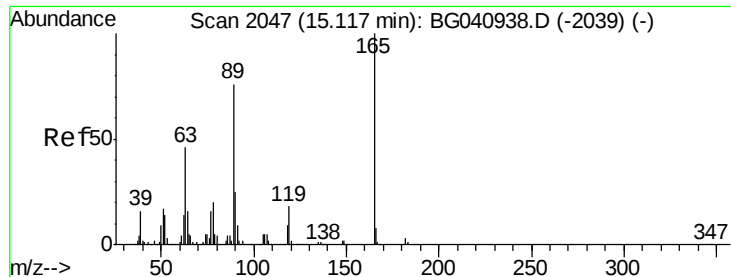
Tot Ion:172 Resp: 1070519
Ion Ratio Lower Upper
172 100
171 37.7 31.1 46.7
170 26.0 20.5 30.7



#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 :

Tot Ion:165 Resp: 22710

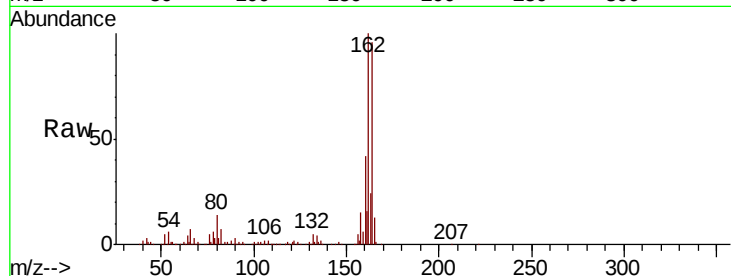
Ion Ratio Lower Upper

165 100

63 1.3 37.3 55.9#

89 2.8 61.0 91.6#

182 0.0 2.2 3.2#

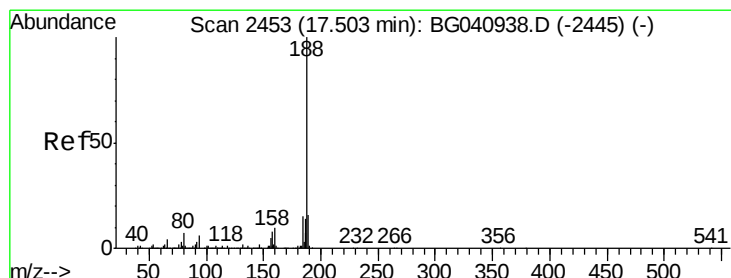
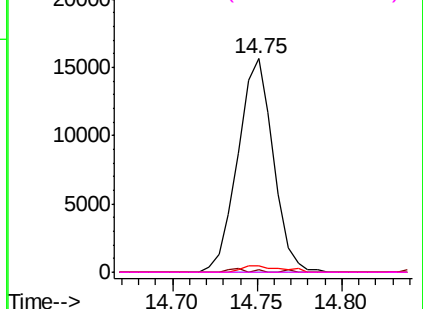
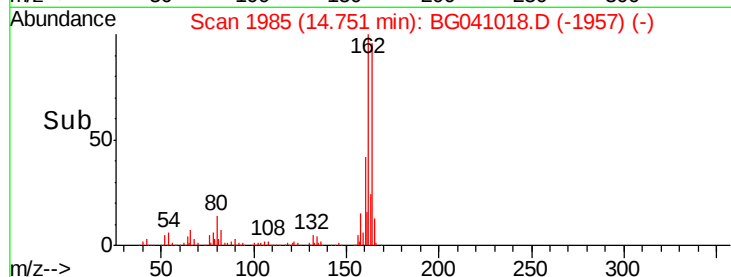


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041018.D

Acq: 1 Jun 2019 18:43

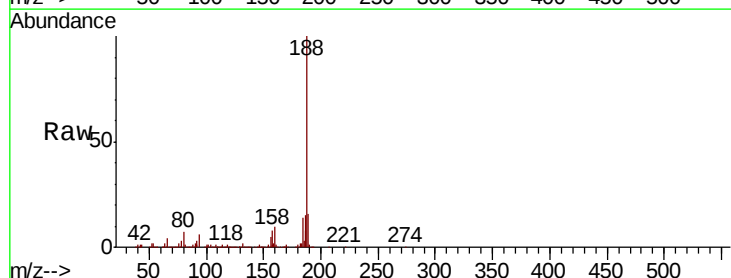
Tgt Ion:188 Resp: 422013

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

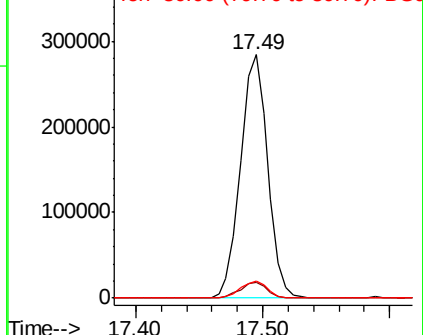
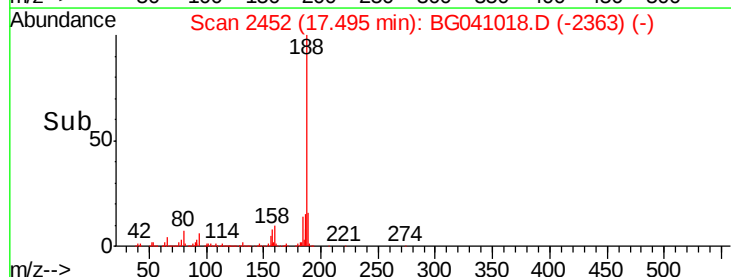
80 6.8 5.8 8.8

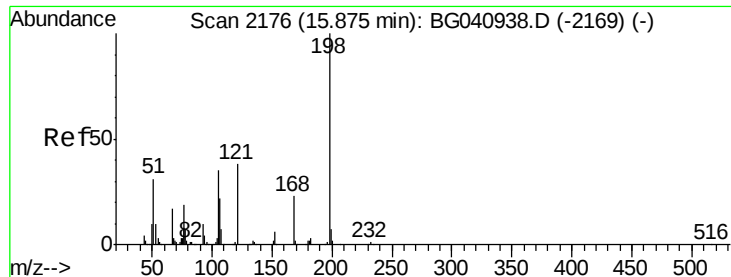


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.941 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

ClientSampleId :

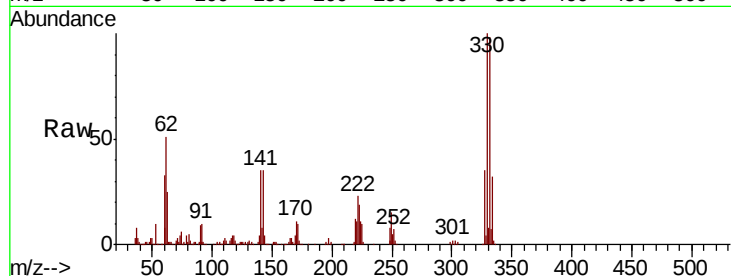
Tot Ion:198 Resp: 967

Ion Ratio Lower Upper

198 100

51 163.9 21.6 61.6#

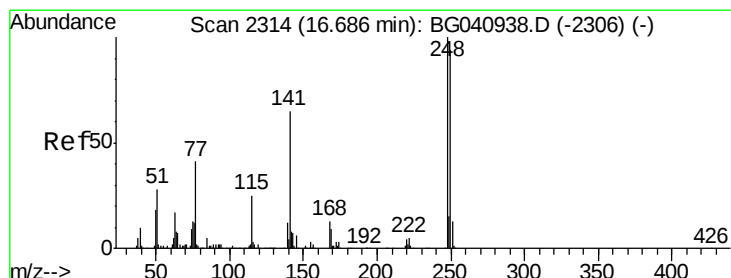
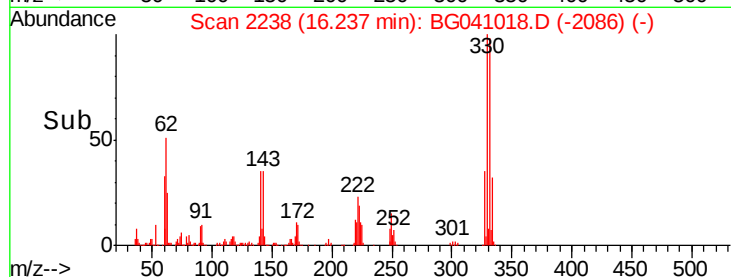
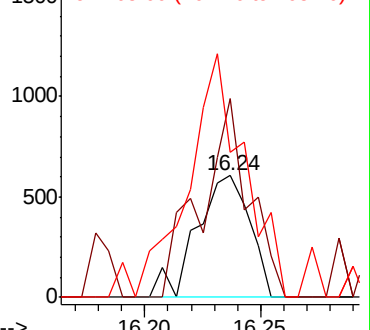
105 119.6 17.5 57.5#



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

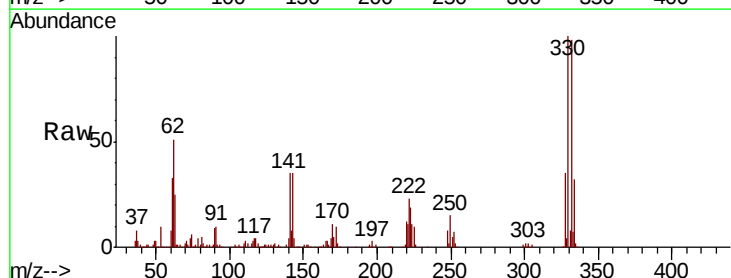
Tgt Ion:248 Resp: 23073

Ion Ratio Lower Upper

248 100

250 193.0 75.0 112.4#

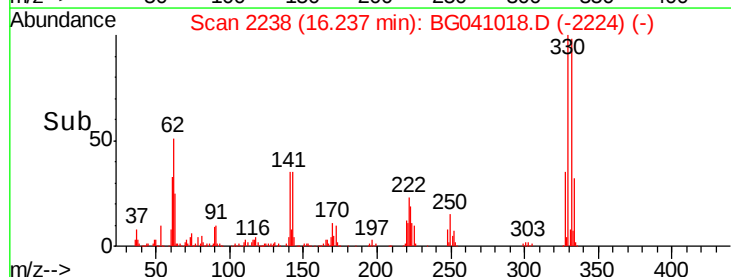
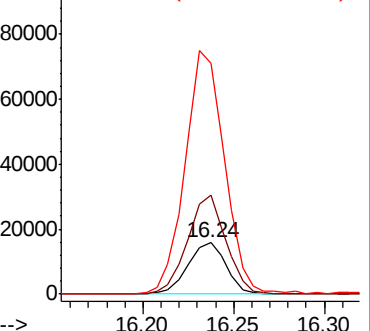
141 452.1 52.4 78.6#

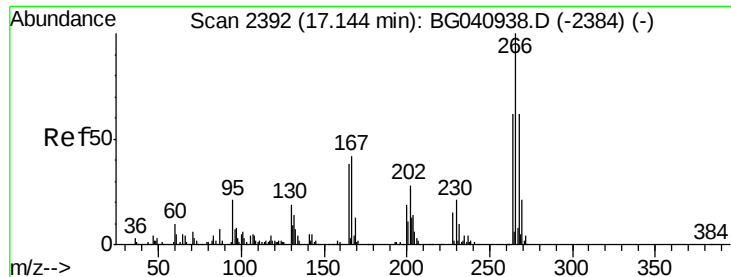


Abundance Ion 248.00 (247.70 to 248.70): E

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 :

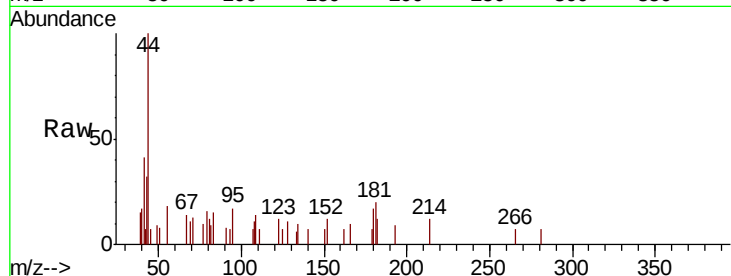
Tot Ion:266 Resp: 61

Ion Ratio Lower Upper

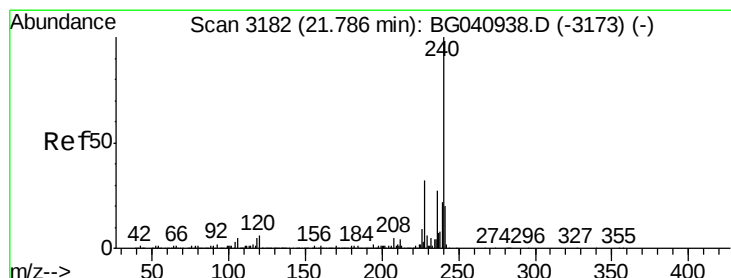
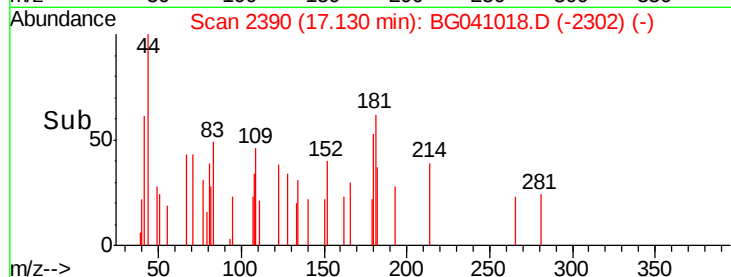
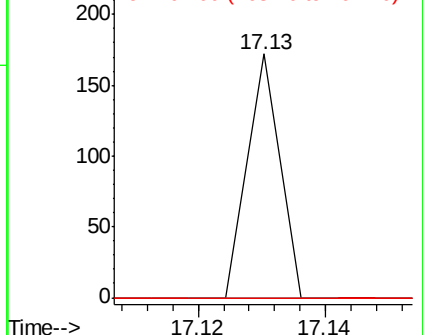
266 100

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: BG041018.D

Acq: 1 Jun 2019 18:43

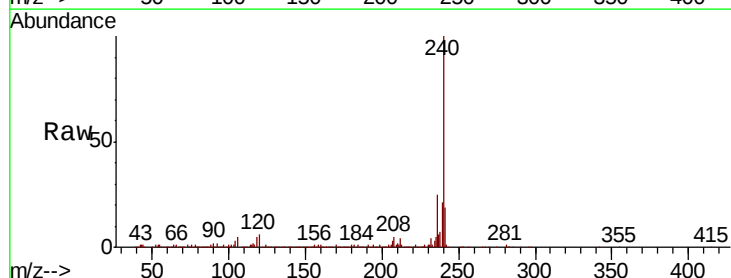
Tgt Ion:240 Resp: 421403

Ion Ratio Lower Upper

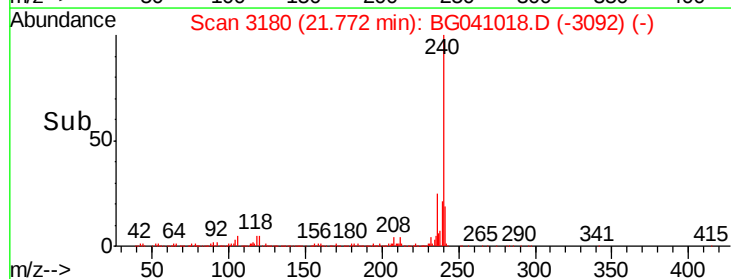
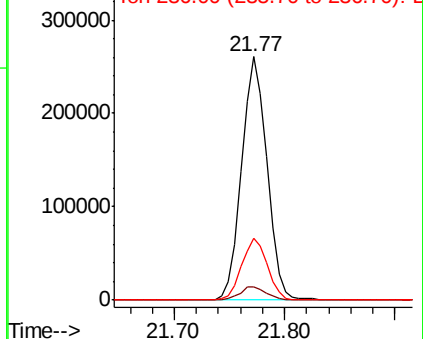
240 100

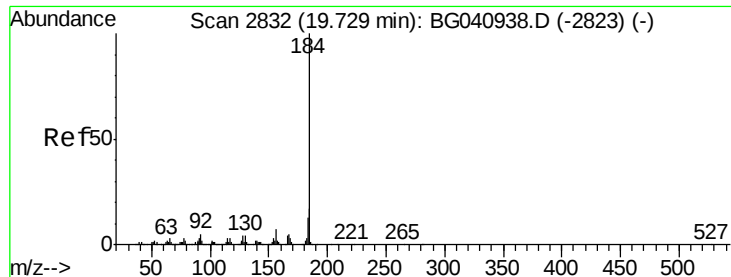
120 5.5 4.5 6.7

236 25.4 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: 3.180 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041018.D

Acq: 1 Jun 2019 18:43

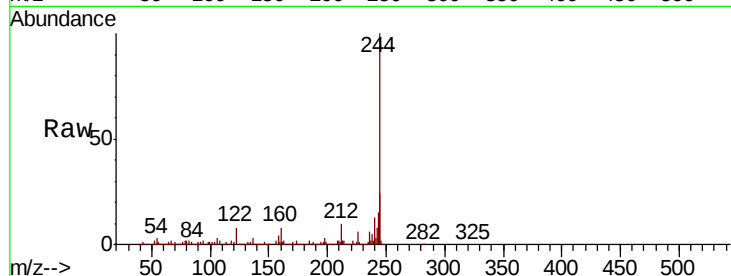
Instrument :

BNA_G

ClientSampleId :

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

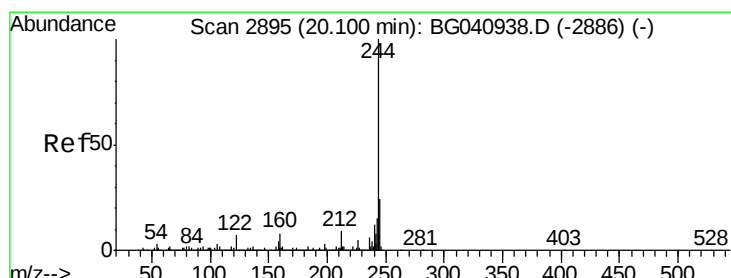
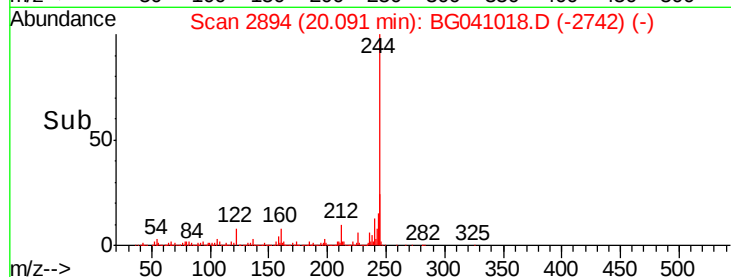
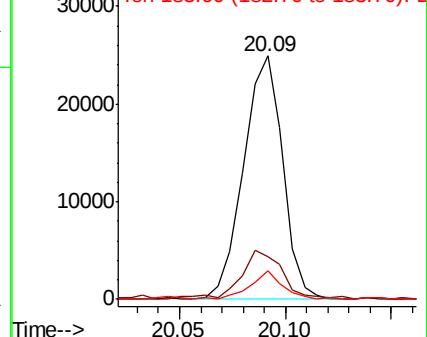


Abundance

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: 87.779 ng

RT: 20.09 min Scan# 2894

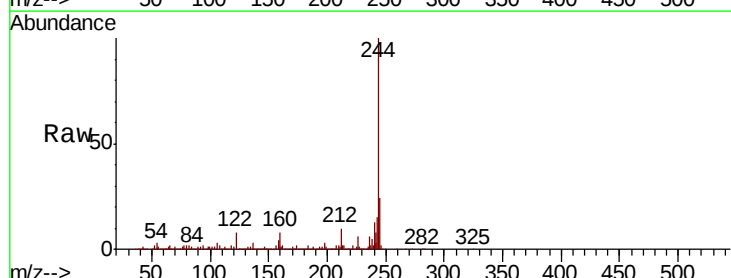
Delta R.T. -0.01 min

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

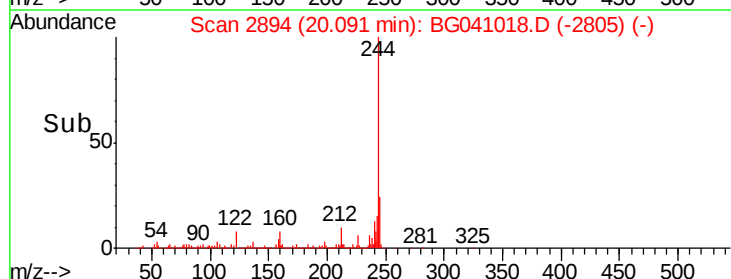
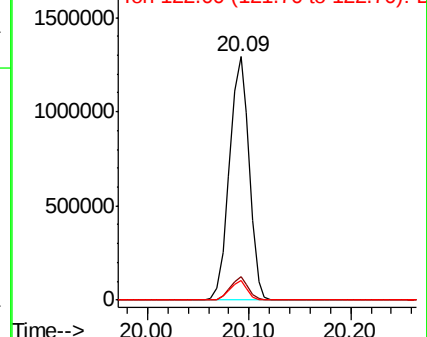


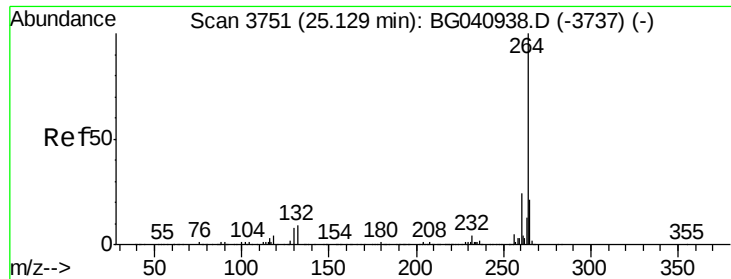
Abundance

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: BG041018.D
 Acq: 1 Jun 2019 18:43

Instrument :
 BNA_G
 ClientSampleId :

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

