

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041045.D
 Acq On : 3 Jun 2019 21:57
 Operator : HP/JU
 Sample : K3138-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-09-COMP

Quant Time: Jun 04 08:06:47 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	66843	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	265707	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	182779	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	420159	20.00	ng	0.00
76) Chrysene-d12	21.77	240	415365	20.00	ng	-0.02
87) Perylene-d12	25.11	264	448676	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	527581	142.32	ng	0.00
7) Phenol-d6	7.26	99	765939	133.79	ng	0.00
23) Nitrobenzene-d5	9.30	82	537746	89.85	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	369827	136.29	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1195578	94.20	ng	0.00
79) Terphenyl-d14	20.09	244	1696034	86.66	ng	0.00

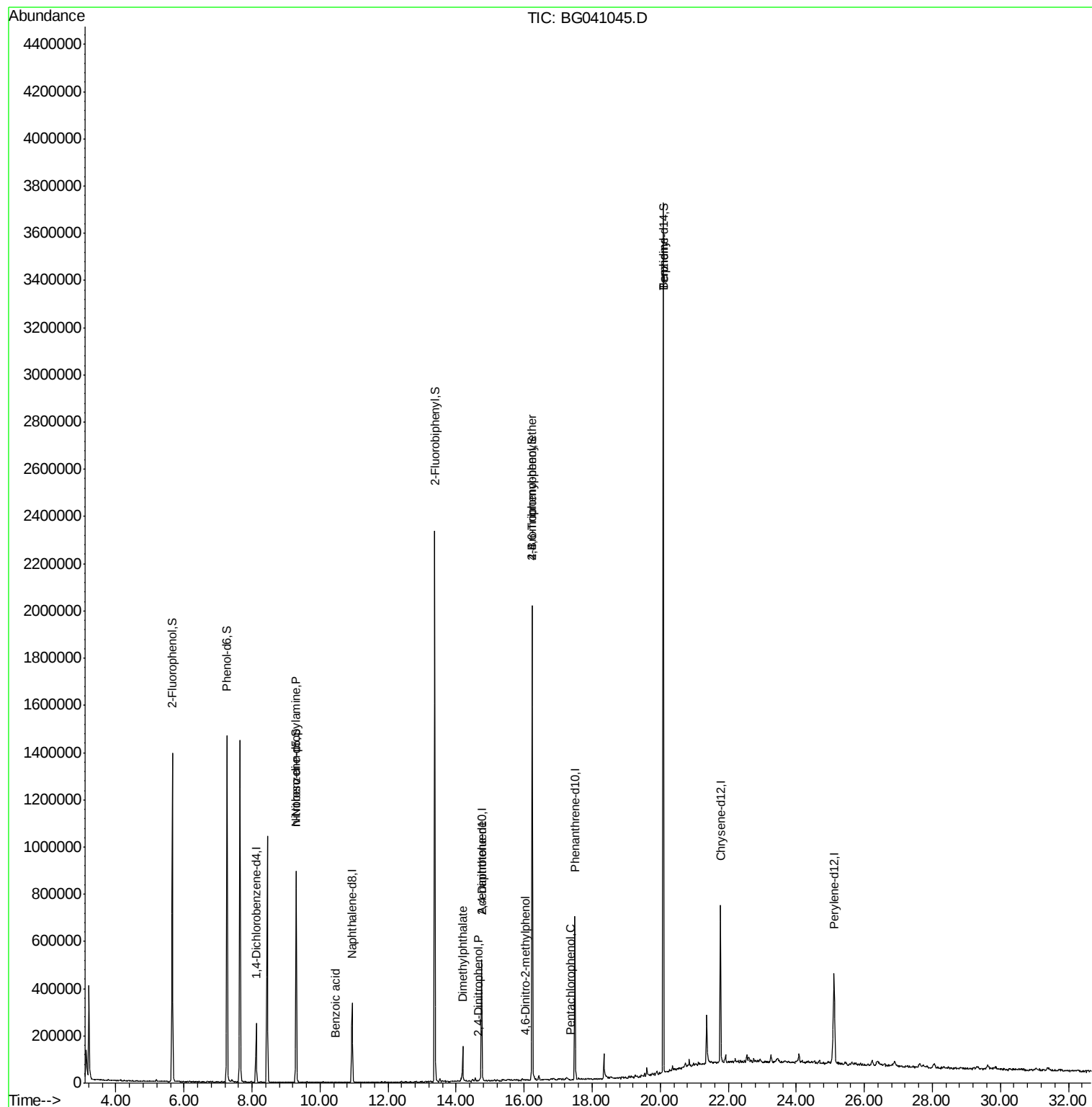
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	77283	17.542	ng	# 77
32) Benzoic acid	10.44	122	62	8.146	ng	# 1
50) Dimethylphthalate	14.19	163	91242	5.897	ng	97
54) 2,4-Dinitrophenol	14.65	184	61	8.295	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	24042	5.102	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.05	198	53	8.609	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	27404	4.833	ng	# 1
70) Pentachlorophenol	17.38	266	67	4.276	ng	# 18
77) Benzidine	20.08	184	31199	3.149	ng	# 92

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

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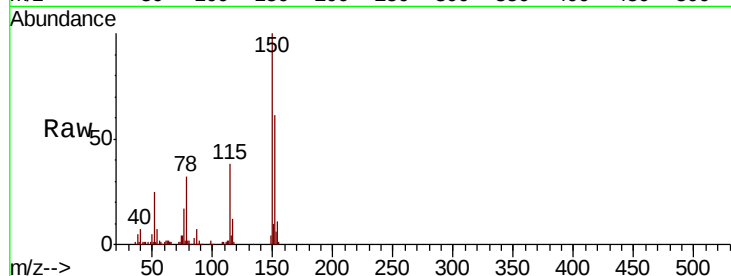


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.12 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Instrument :
 BNA_G
 ClientSampleId :
 B-09-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.4	120.6	180.8
115	62.1	45.1	67.7

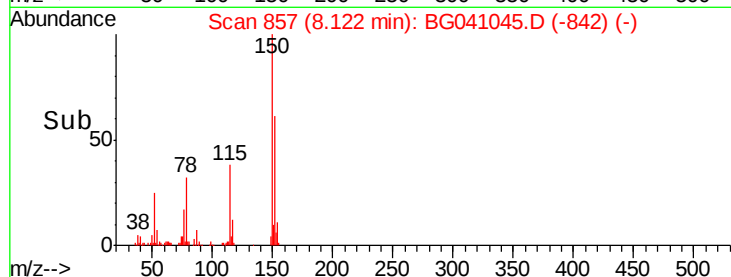
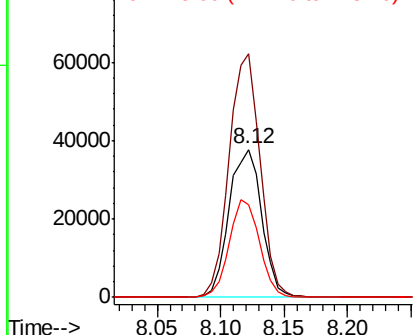


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

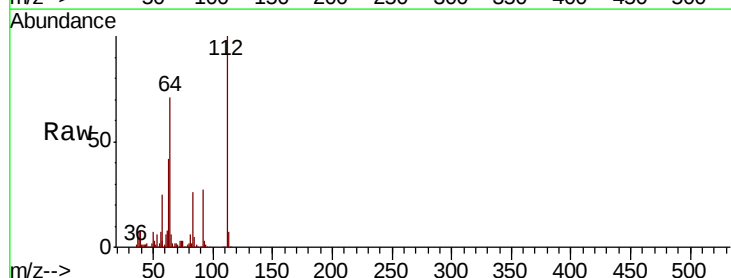
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 142.325 ng
 RT: 5.65 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	56.2	84.2
63	41.7	32.8	49.2

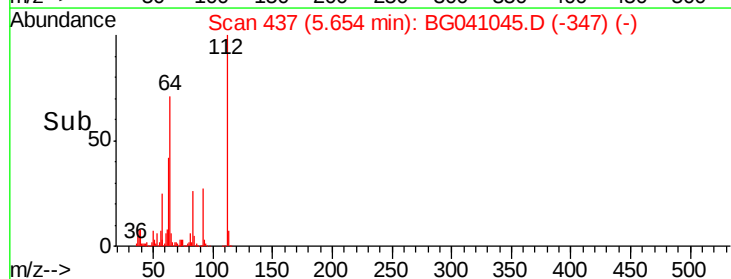
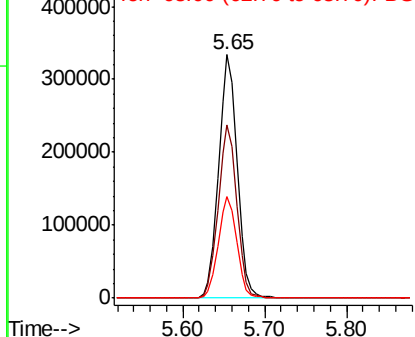


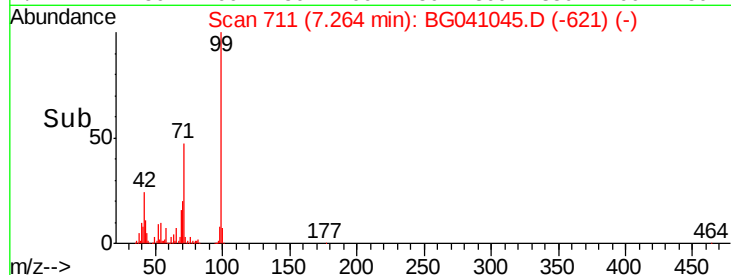
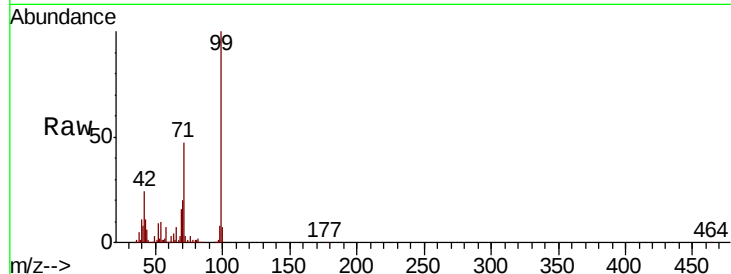
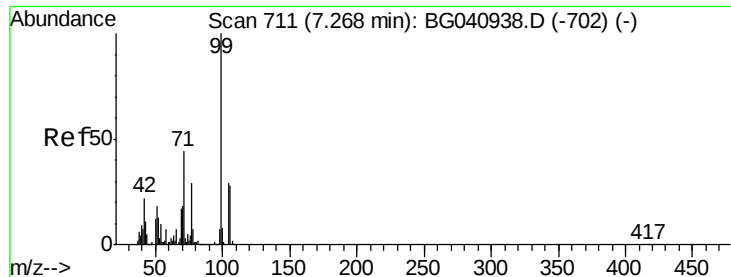
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 133.791 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Instrument :

BNA_G

ClientSampleId :

B-09-COMP

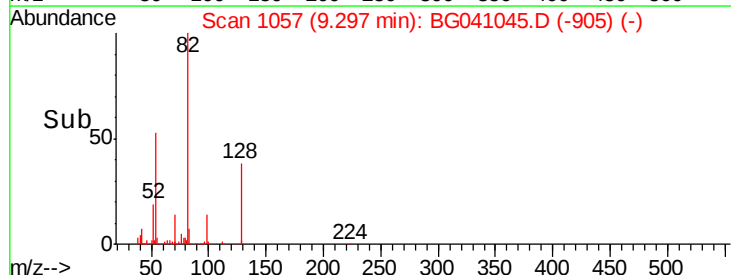
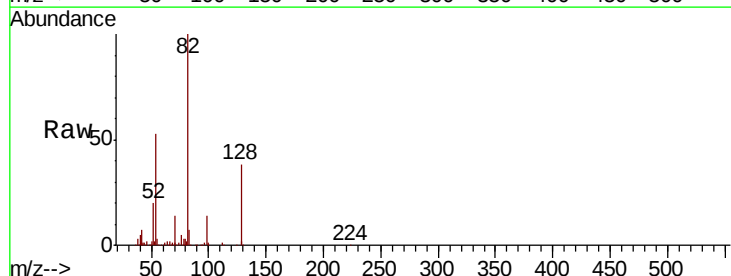
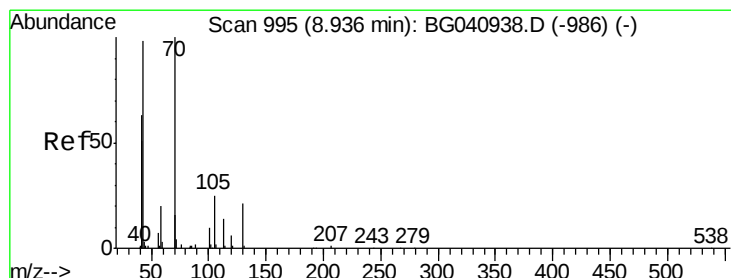
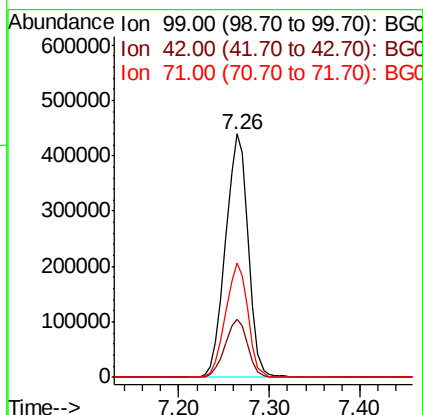
Tgt Ion: 99 Resp: 765939

Ion Ratio Lower Upper

99 100

42 23.8 17.9 26.9

71 46.7 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.542 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Tgt Ion: 70 Resp: 77283

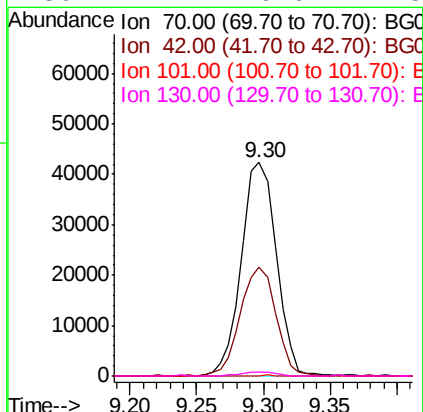
Ion Ratio Lower Upper

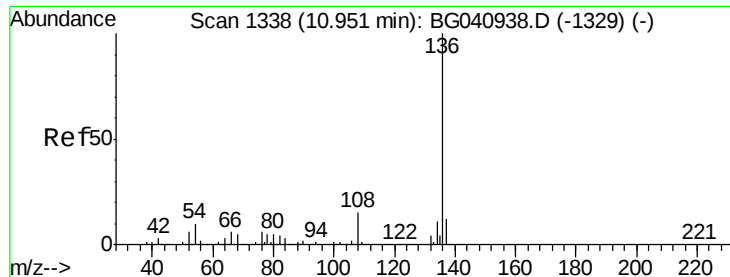
70 100

42 51.1 51.5 77.3#

101 0.0 8.1 12.1#

130 1.7 16.6 24.8#

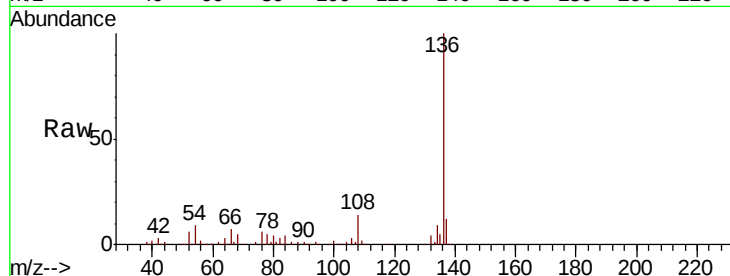




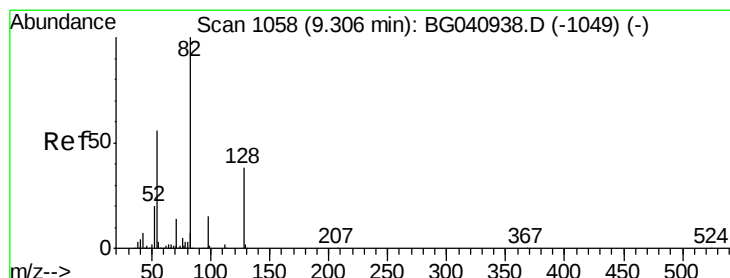
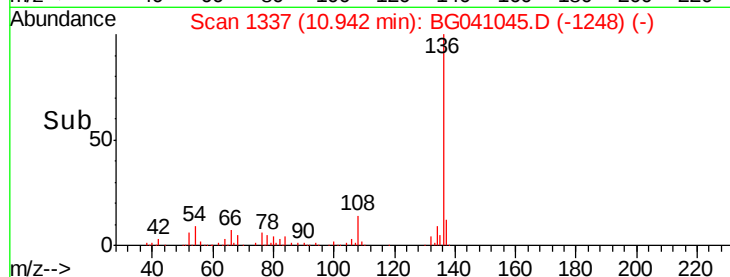
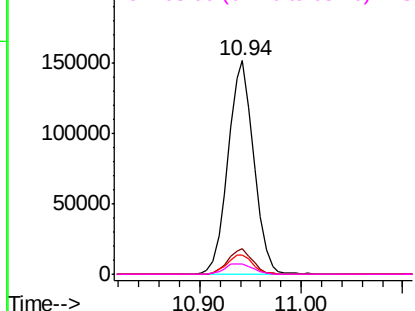
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041045.D
Acq: 3 Jun 2019 21:57

Instrument :
BNA_G
ClientSampleId :
B-09-COMP

Tgt Ion:	136	Resp:	265707
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.9	7.6	11.4
68	4.8	3.9	5.9

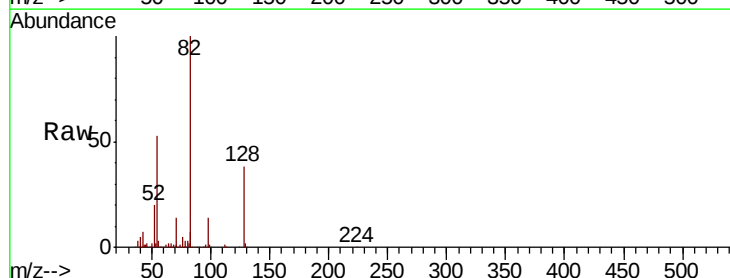


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

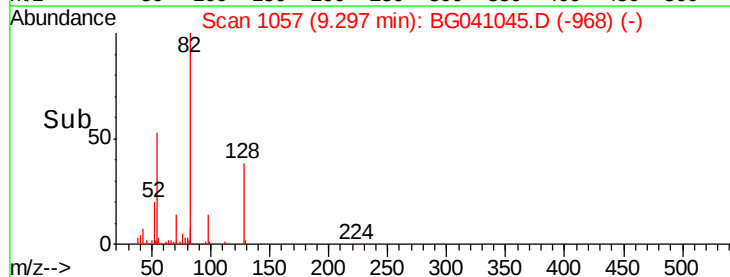
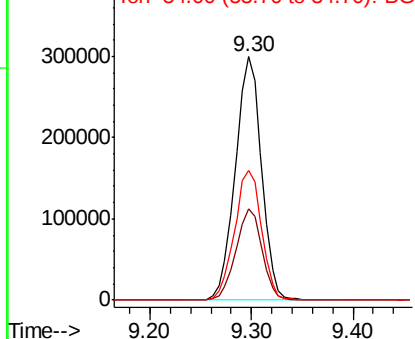


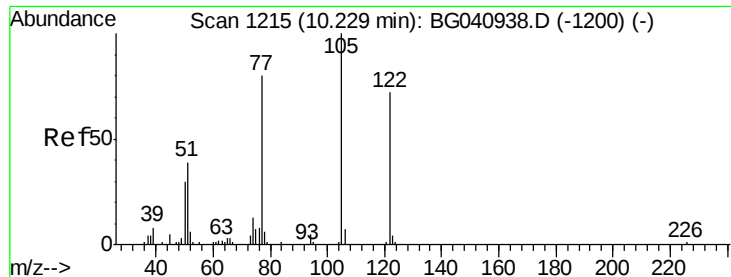
#23
Nitrobenzene-d5
Concen: 89.845 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041045.D
Acq: 3 Jun 2019 21:57

Tgt Ion:	82	Resp:	537746
Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.5	45.7
54	53.2	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: 8.146 ng

RT: 10.44 min Scan# 1252

Delta R.T. 0.21 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Instrument :

BNA_G

ClientSampleId :

B-09-COMP

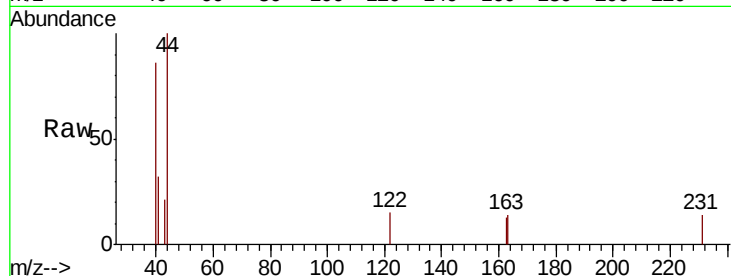
Tgt Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

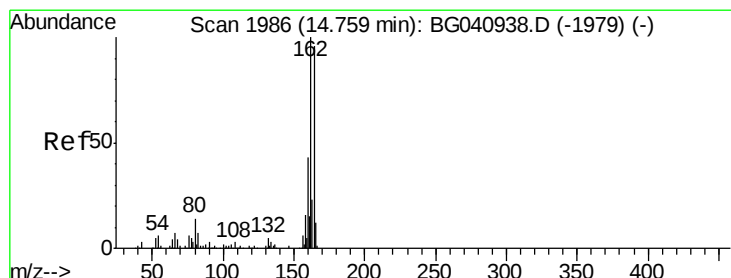
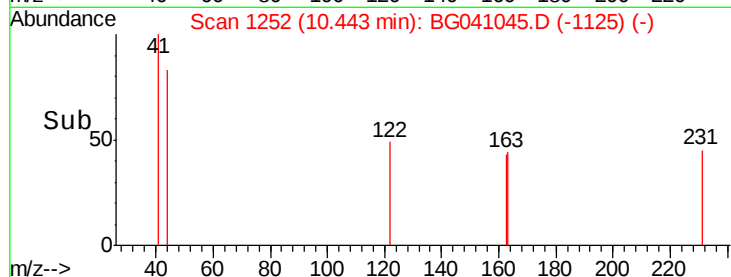
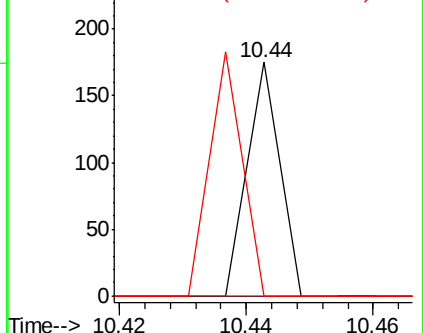
77 0.0 89.9 129.9#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

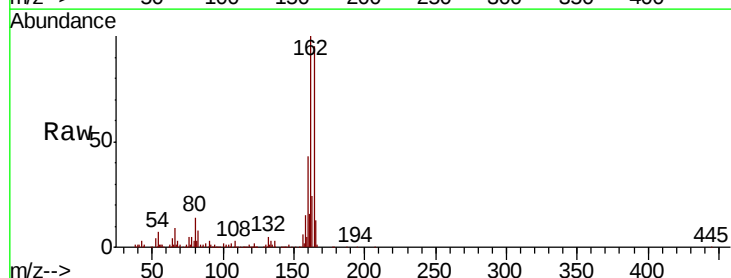
Tgt Ion:164 Resp: 182779

Ion Ratio Lower Upper

164 100

162 104.9 83.0 124.4

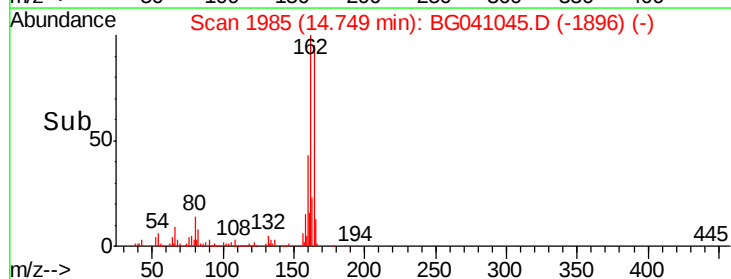
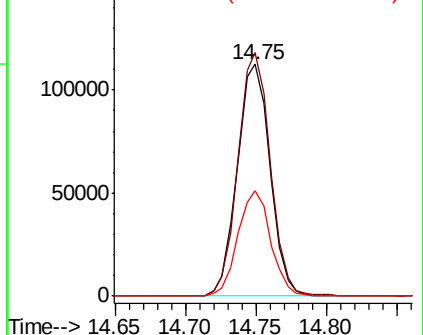
160 45.5 35.6 53.4

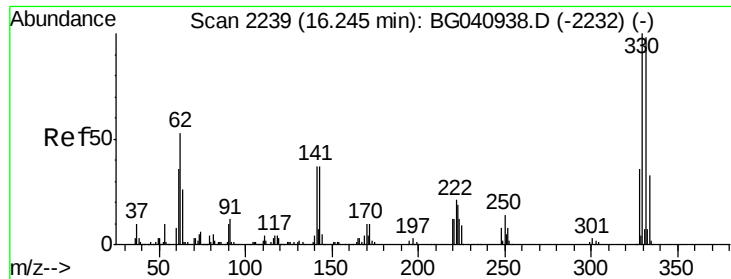


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

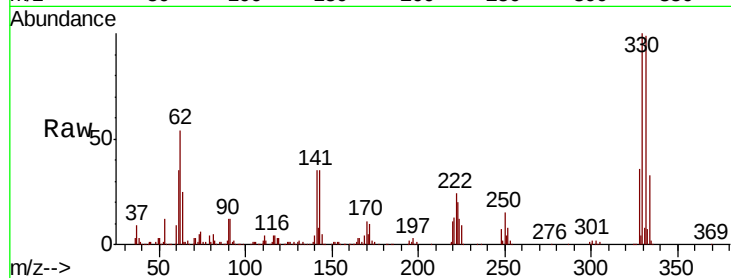




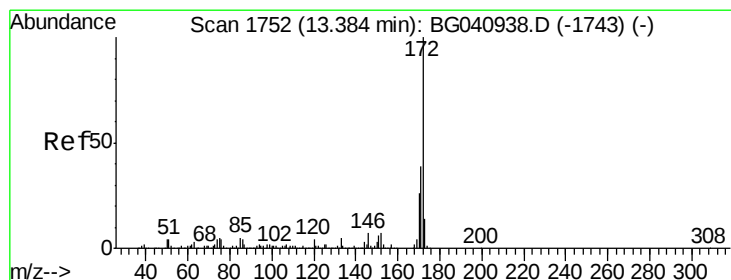
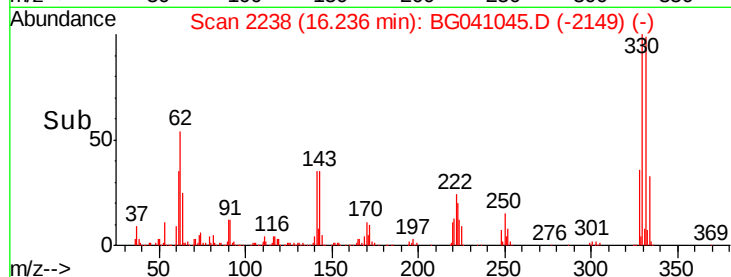
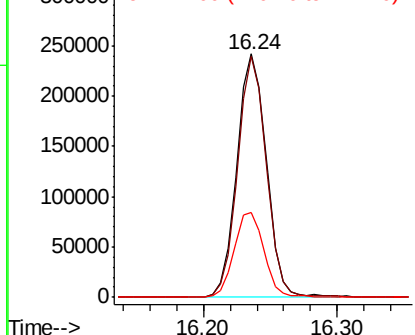
#42
 2,4,6-Tribromophenol
 Concen: 136.292 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Instrument :
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 ClientSampleId :
 B-09-COMP

Tgt Ion:330 Resp: 369827
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.5 117.7
 141 35.9 28.7 43.1

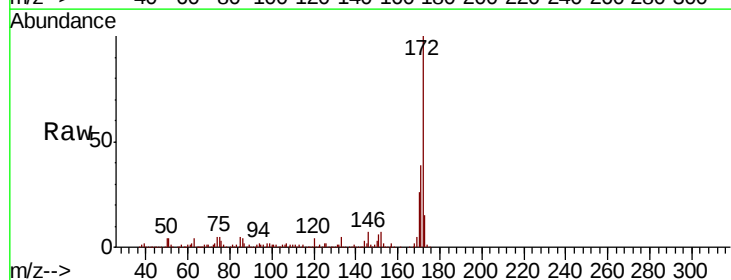


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

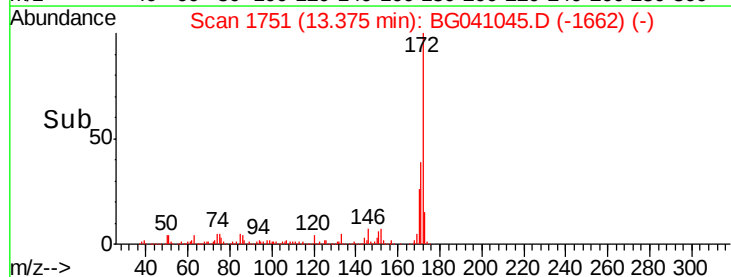
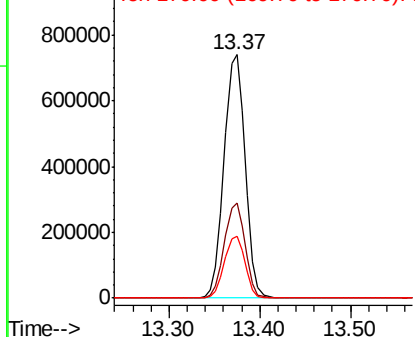


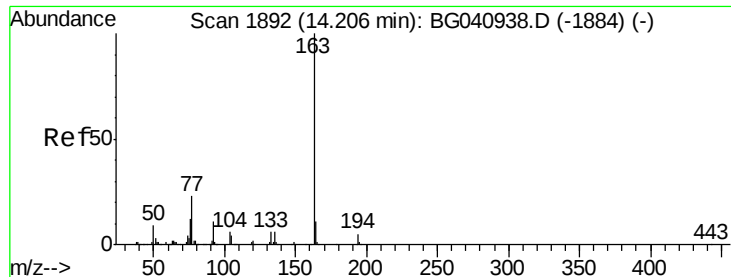
#45
 2-Fluorobiphenyl
 Concen: 94.199 ng
 RT: 13.37 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Tgt Ion:172 Resp: 1195578
 Ion Ratio Lower Upper
 172 100
 171 39.1 31.1 46.7
 170 25.6 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: 5.897 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.02 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Instrument :

BNA_G

ClientSampleId :

B-09-COMP

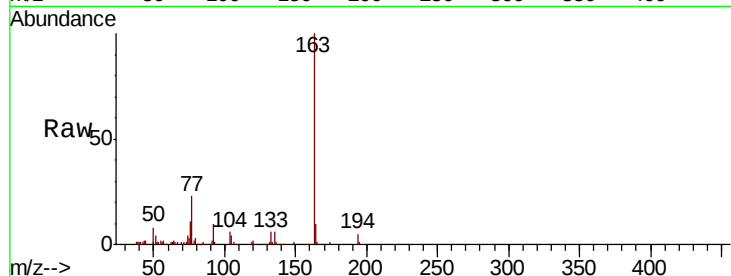
Tgt Ion:163 Resp: 91242

Ion Ratio Lower Upper

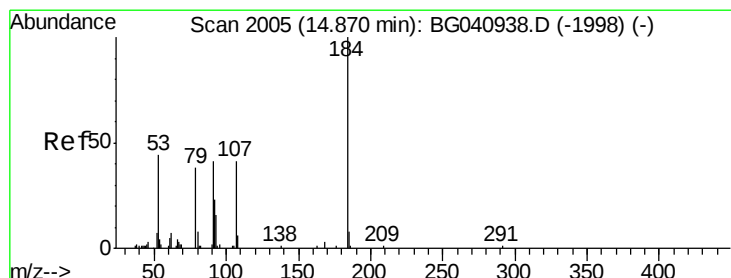
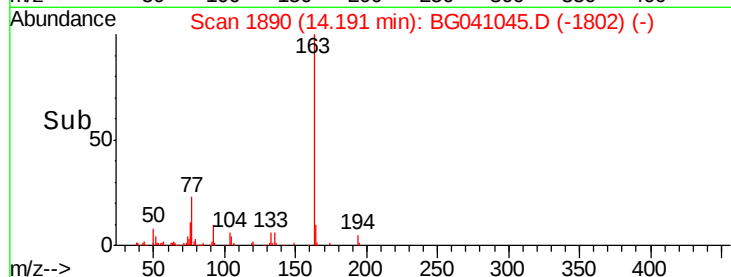
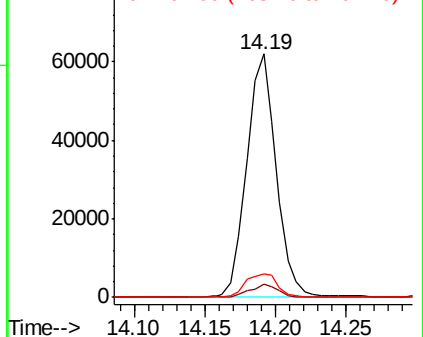
163 100

194 5.3 3.8 5.8

164 9.6 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



#54

2,4-Dinitrophenol

Concen: 8.295 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.22 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

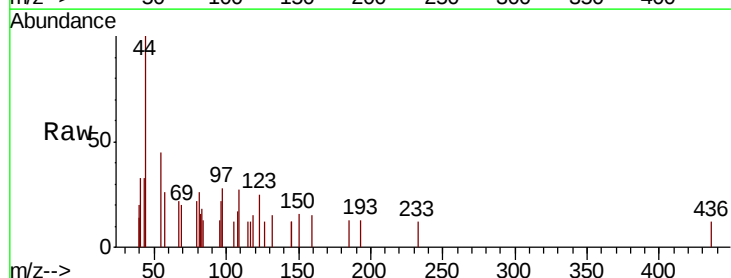
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

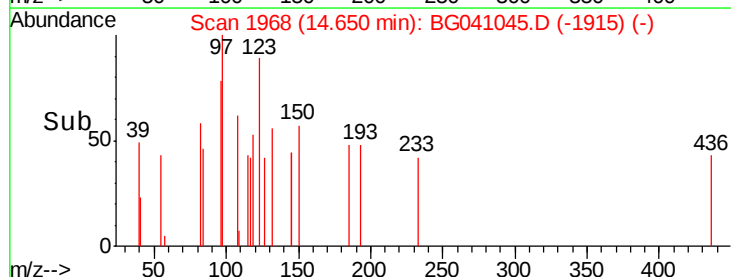
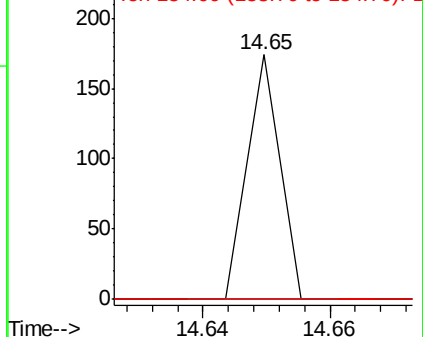
184 100

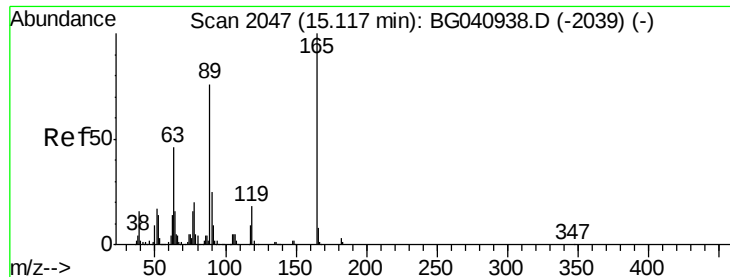
63 0.0 49.8 74.6#

154 0.0 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

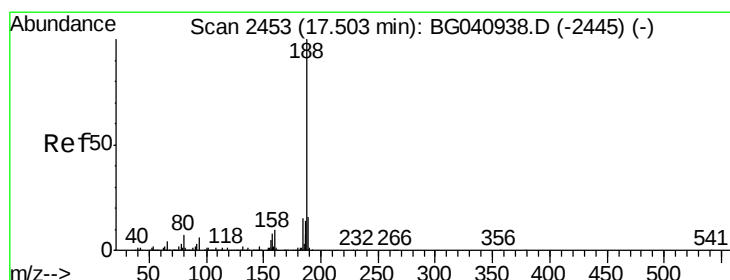
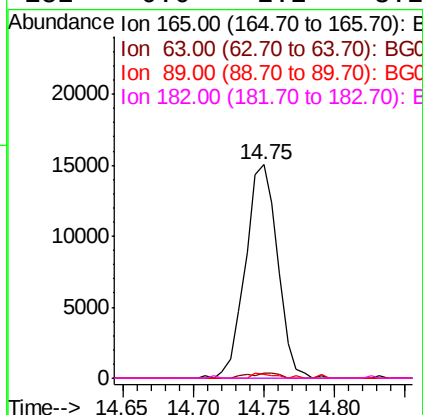
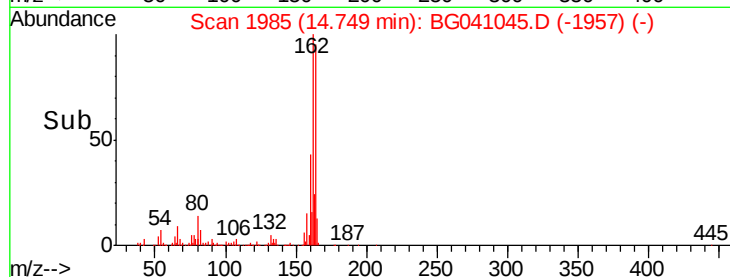
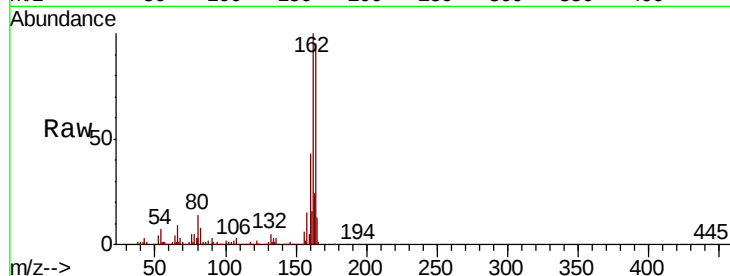




#57
2,4-Dinitrotoluene
Concen: 5.102 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG041045.D
Acq: 3 Jun 2019 21:57

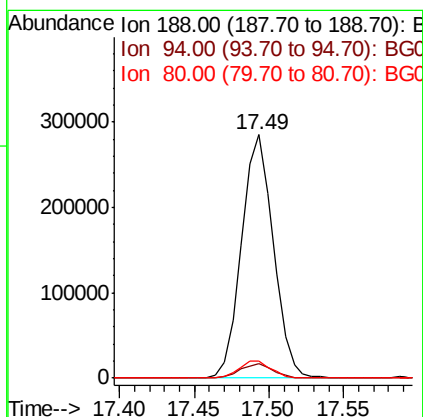
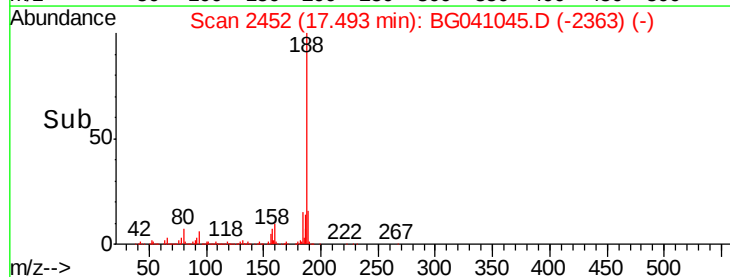
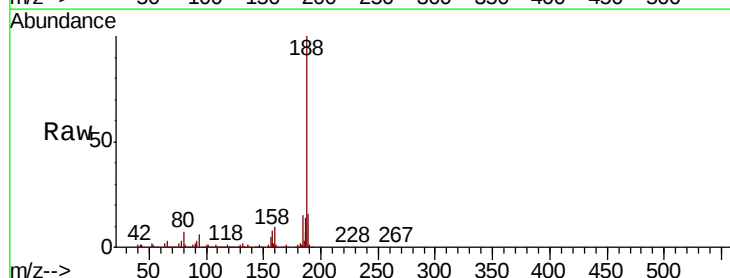
Instrument :
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ClientSampleId :
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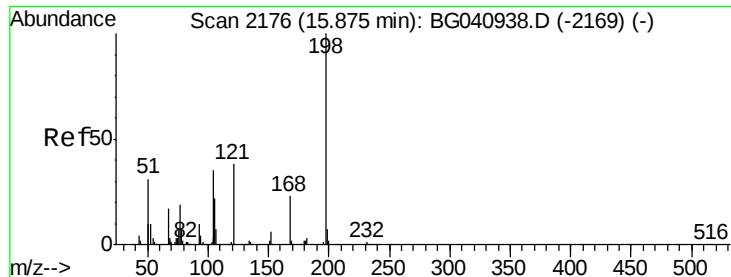
Tgt Ion:165 Resp: 24042
Ion Ratio Lower Upper
165 100
63 2.5 37.3 55.9#
89 1.9 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG041045.D
Acq: 3 Jun 2019 21:57

Tgt Ion:188 Resp: 420159
Ion Ratio Lower Upper
188 100
94 5.9 4.7 7.1
80 6.9 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.609 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.17 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Instrument :

BNA_G

ClientSampleId :

B-09-COMP

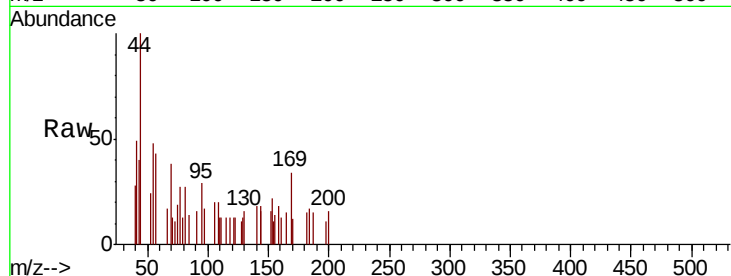
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

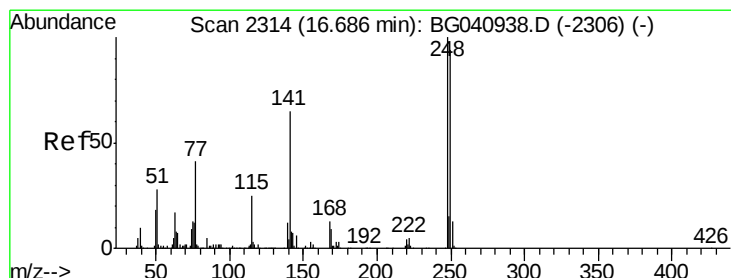
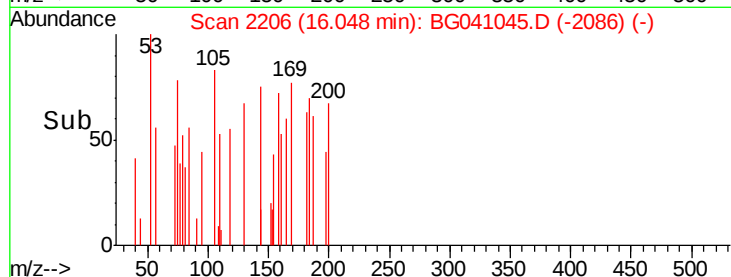
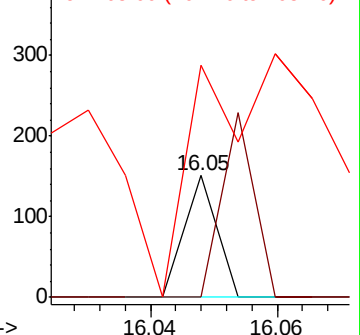
105 190.7 17.5 57.5#



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



#67

4-Bromophenyl-phenylether

Concen: 4.833 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

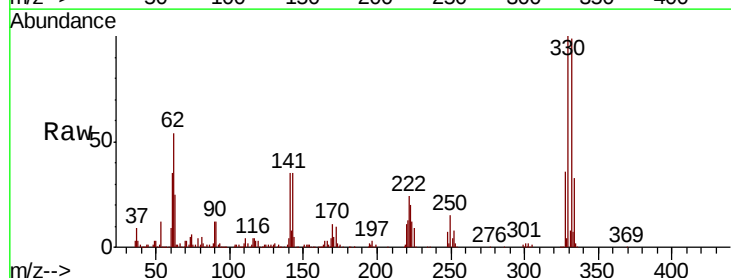
Tgt Ion:248 Resp: 27404

Ion Ratio Lower Upper

248 100

250 203.9 75.0 112.4#

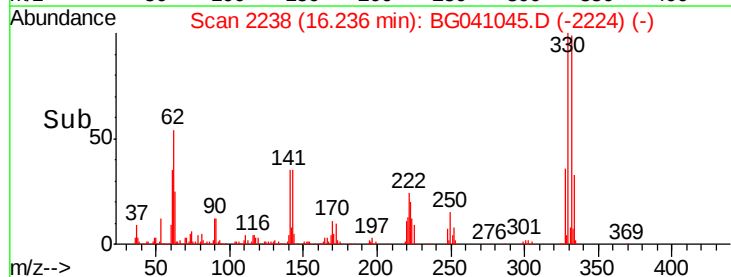
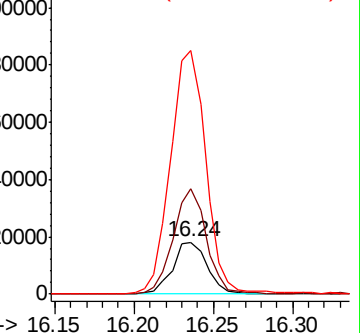
141 471.3 52.4 78.6#

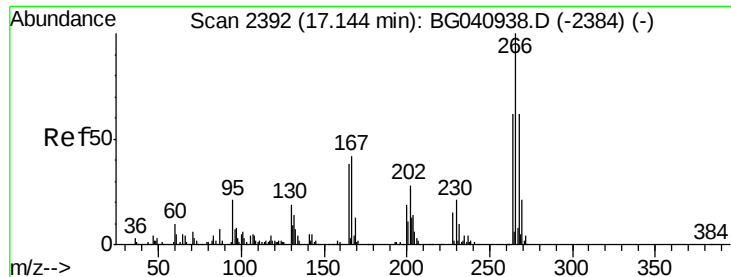


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

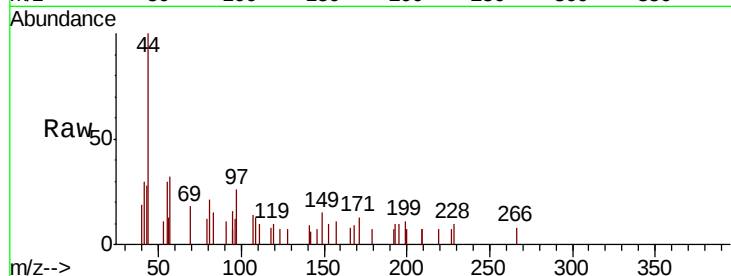




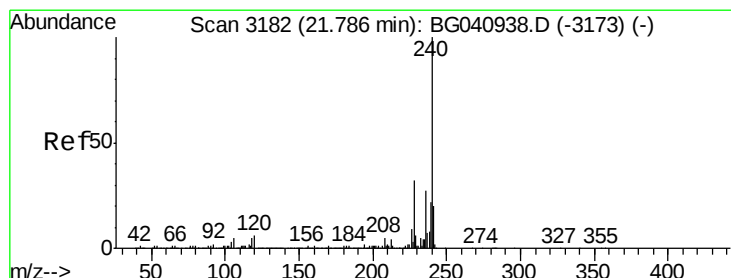
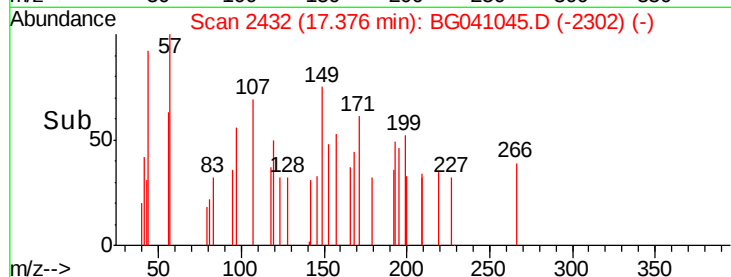
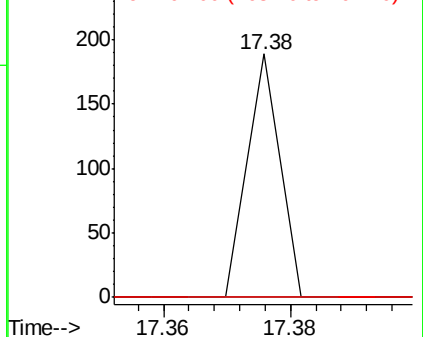
#70
 Pentachlorophenol
 Concen: 4.276 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. 0.23 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Instrument :
 BNA_G
 ClientSampleId :
 B-09-COMP

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

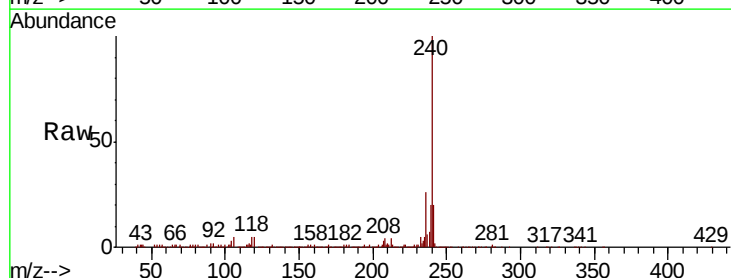


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

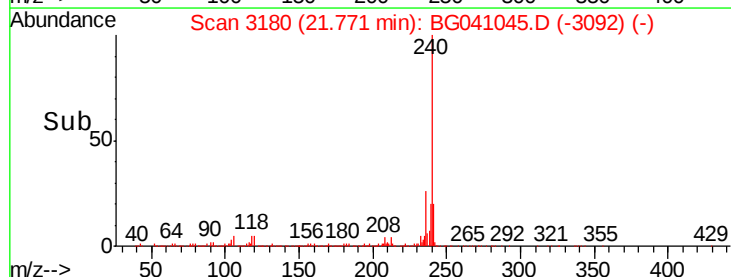
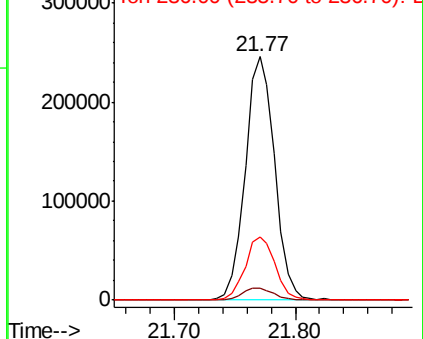


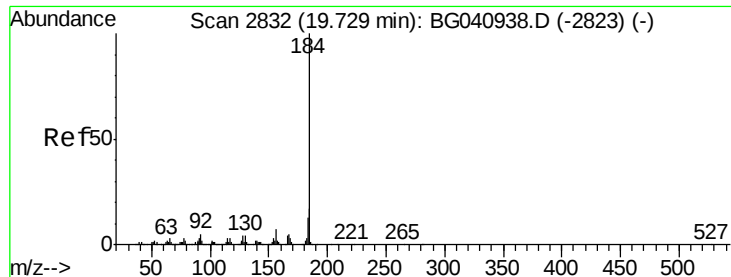
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.02 min
 Lab File: BG041045.D
 Acq: 3 Jun 2019 21:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.5	6.7
236	25.9	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: 3.149 ng

RT: 20.08 min Scan# 2893

Delta R.T. 0.35 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

Instrument :

BNA_G

ClientSampleId :

B-09-COMP

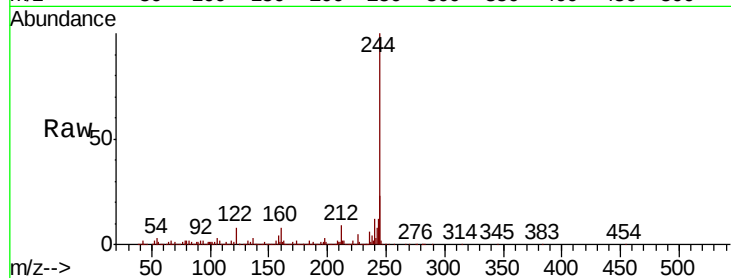
Tgt Ion:184 Resp: 31199

Ion Ratio Lower Upper

184 100

185 15.3 13.3 19.9

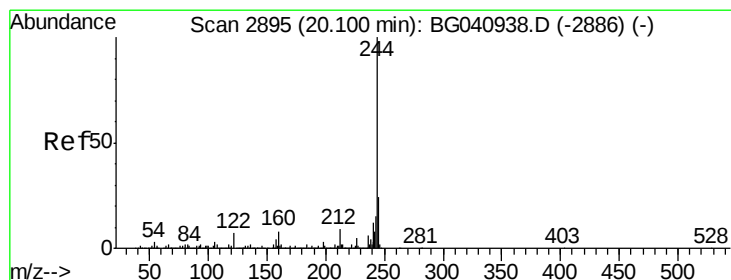
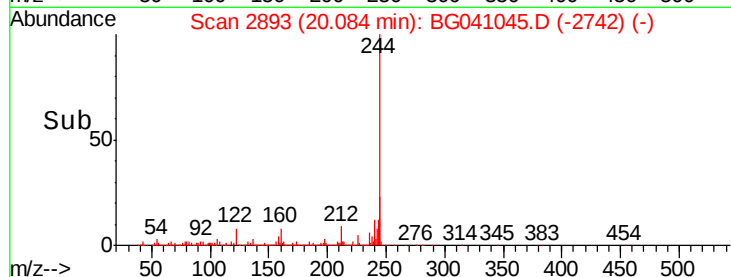
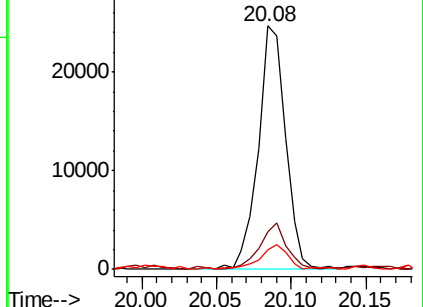
183 7.8 10.7 16.1#



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: 86.660 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041045.D

Acq: 3 Jun 2019 21:57

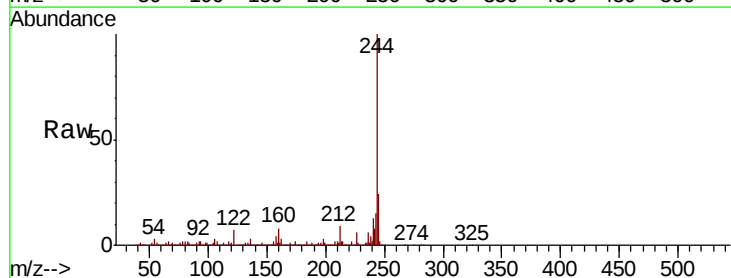
Tgt Ion:244 Resp: 1696034

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

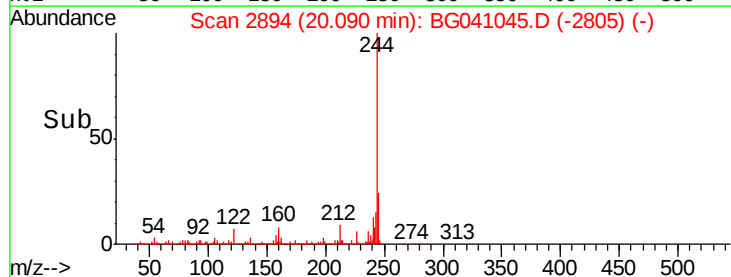
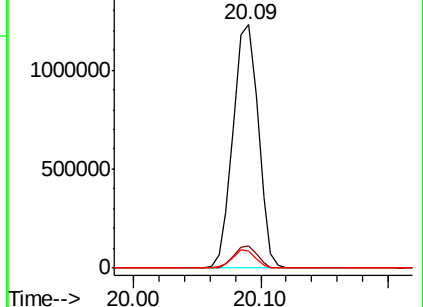
122 7.1 5.4 8.0

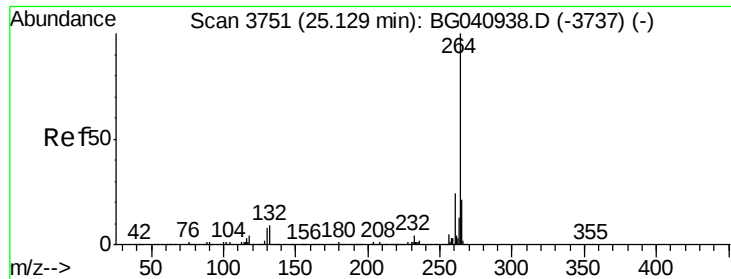


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG041045.D
Acq: 3 Jun 2019 21:57

Instrument :
BNA_G
ClientSampleId :
B-09-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.0	28.4
265	22.2	17.0	25.4

