

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041009.D
 Acq On : 1 Jun 2019 12:59
 Operator : HP/JU
 Sample : K3104-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 251810

Quant Time: Jun 03 01:11:37 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

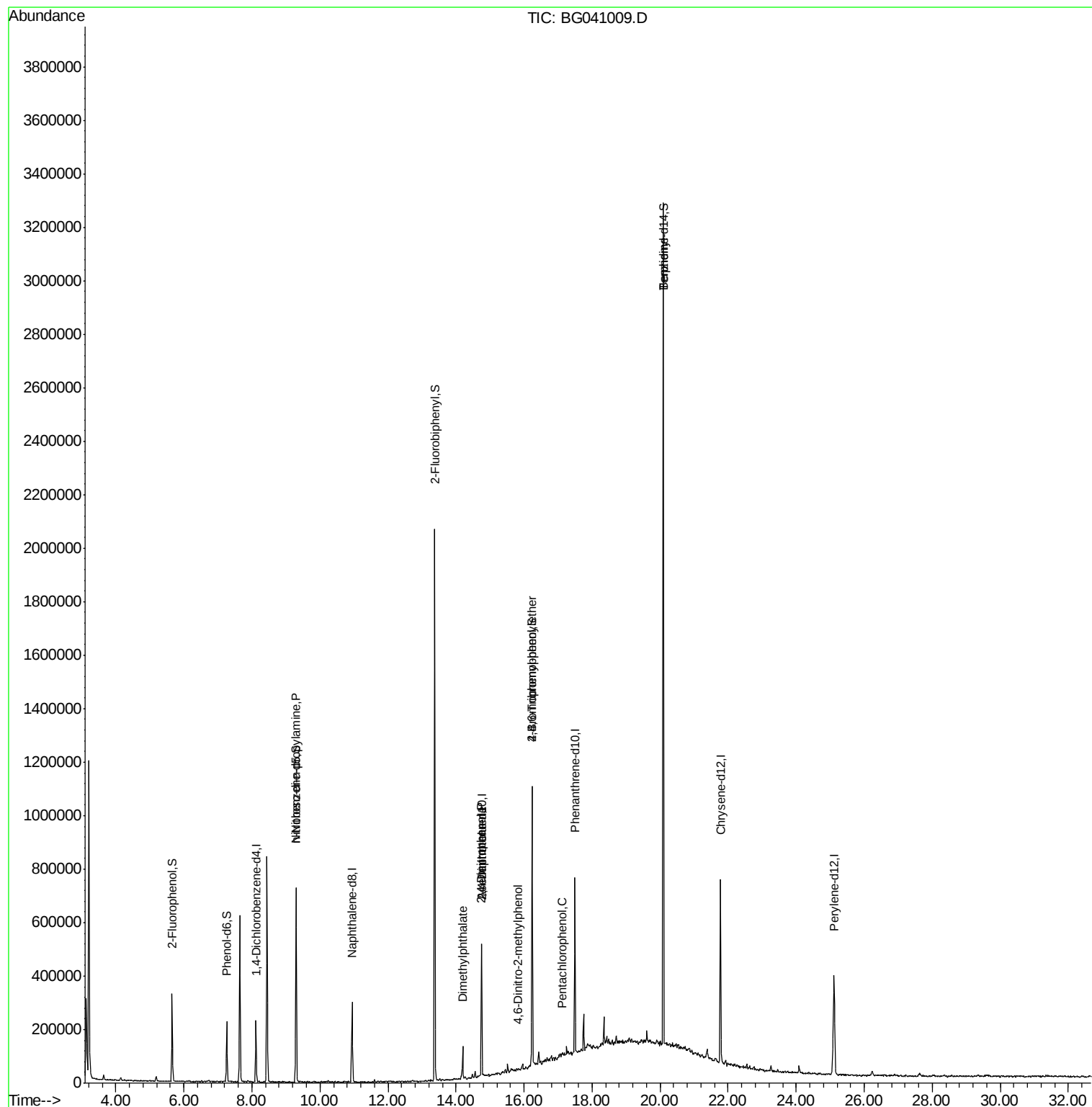
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	61095	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	240435	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	177042	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	397621	20.00	ng	0.00
76) Chrysene-d12	21.77	240	413523	20.00	ng	-0.01
87) Perylene-d12	25.11	264	440164	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	131173	38.72	ng	0.00
7) Phenol-d6	7.26	99	122565	23.42	ng	0.00
23) Nitrobenzene-d5	9.29	82	441331	81.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.24	330	205607	78.23	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1029725	83.76	ng	-0.01
79) Terphenyl-d14	20.09	244	1496467	76.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	64426	15.999	ng	Qvalue # 78
50) Dimethylphthalate	14.19	163	72501	4.838	ng	# 99
54) 2,4-Dinitrophenol	14.74	184	54	8.291	ng	# 1
57) 2,4-Dinitrotoluene	14.75	165	22101	4.842	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.83	198	298	8.704	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	14956	2.787	ng	# 1
70) Pentachlorophenol	17.14	266	62	4.275	ng	# 18
77) Benzidine	20.09	184	26826	2.719	ng	# 95

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
Data File : BG041009.D
Acq On : 1 Jun 2019 12:59
Operator : HP/JU
Sample : K3104-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
251810

Quant Time: Jun 03 01:11:37 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

251810

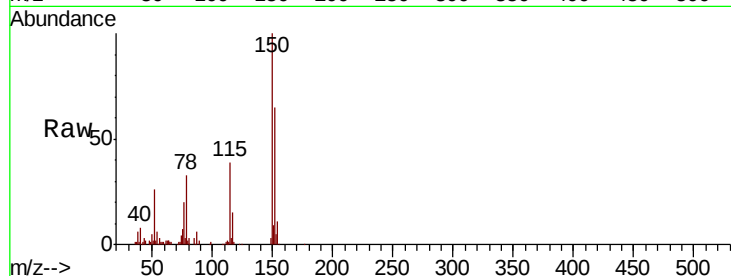
Tot Ion:152 Resp: 61095

Ion Ratio Lower Upper

152 100

150 154.3 120.6 180.8

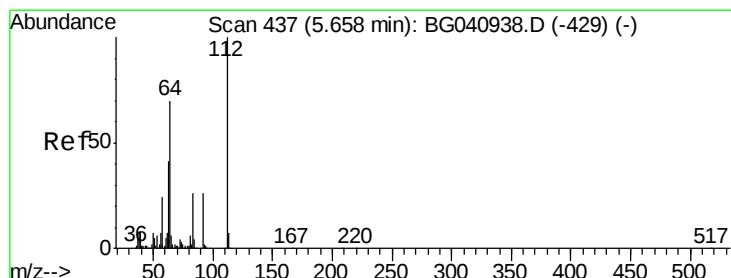
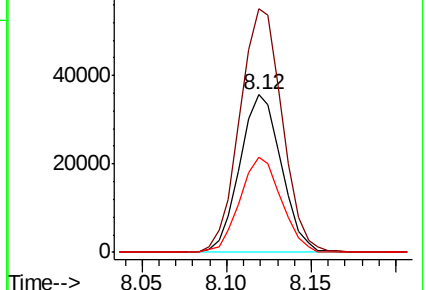
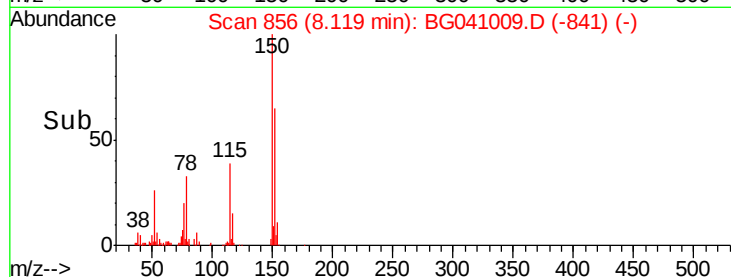
115 60.2 45.1 67.7



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: 38.716 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

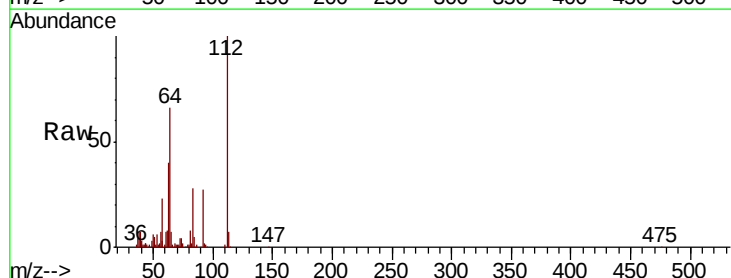
Tgt Ion:112 Resp: 131173

Ion Ratio Lower Upper

112 100

64 66.0 56.2 84.2

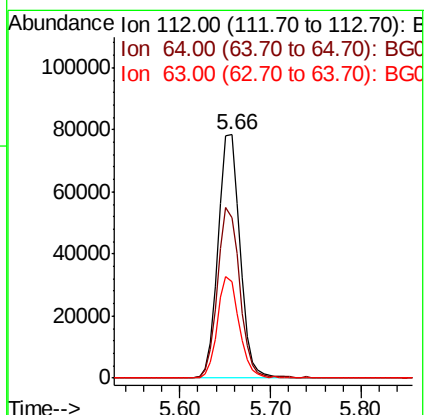
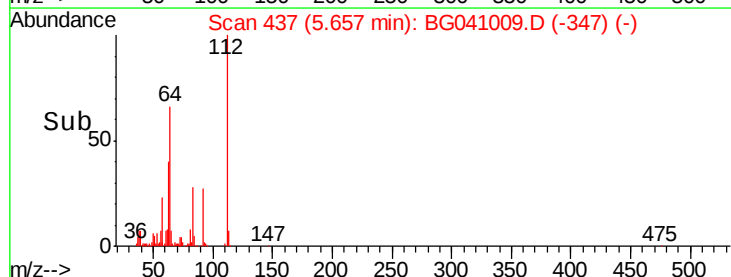
63 39.8 32.8 49.2



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: 23.423 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

251810

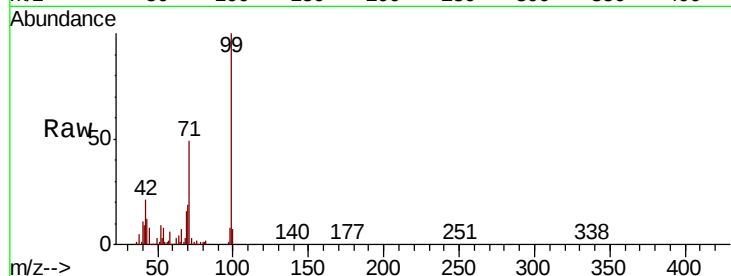
Tot Ion: 99 Resp: 122565

Ion Ratio Lower Upper

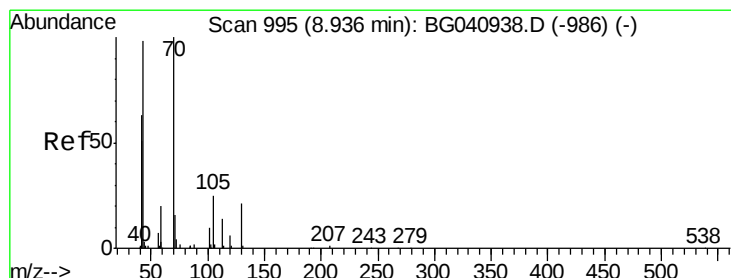
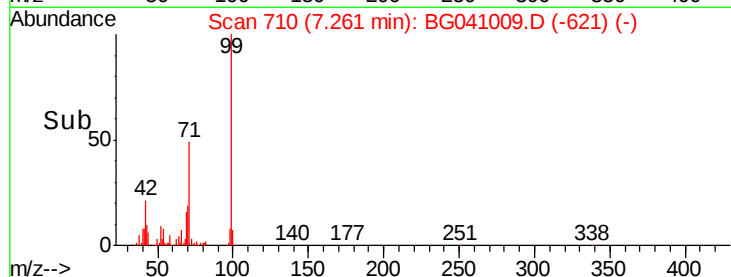
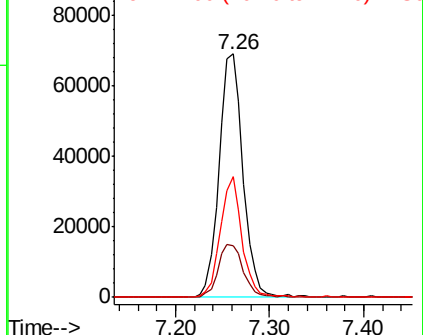
99 100

42 20.9 17.9 26.9

71 49.4 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: 15.999 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion: 70 Resp: 64426

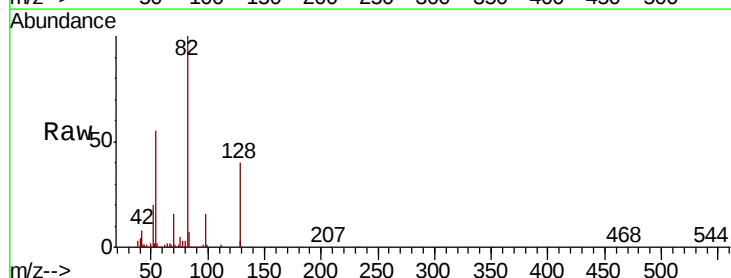
Ion Ratio Lower Upper

70 100

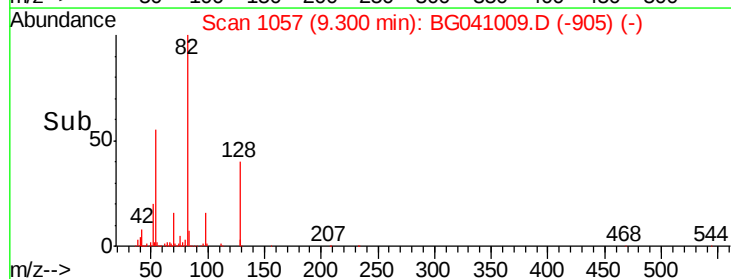
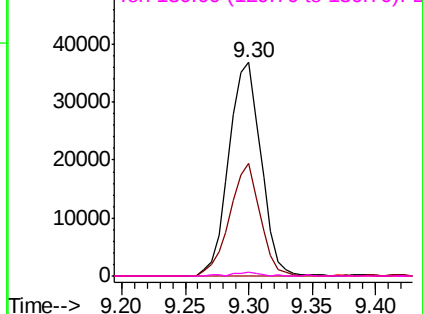
42 52.7 51.5 77.3

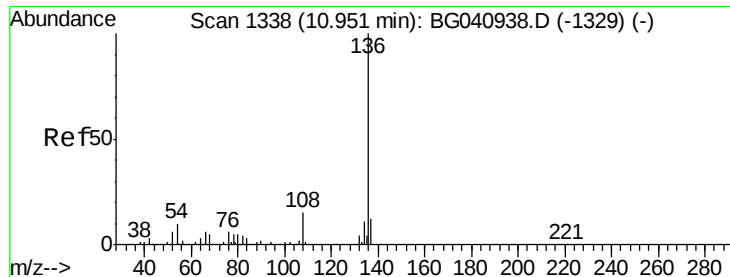
101 0.0 8.1 12.1#

130 1.6 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

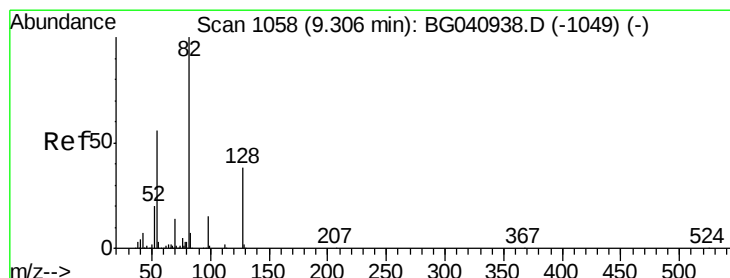
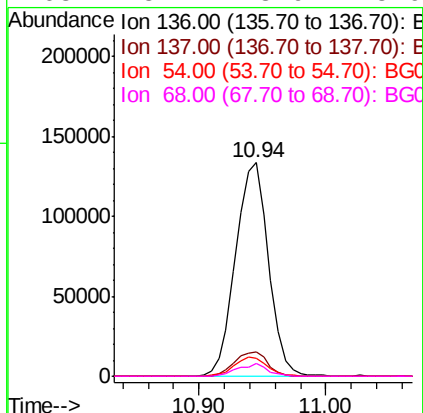
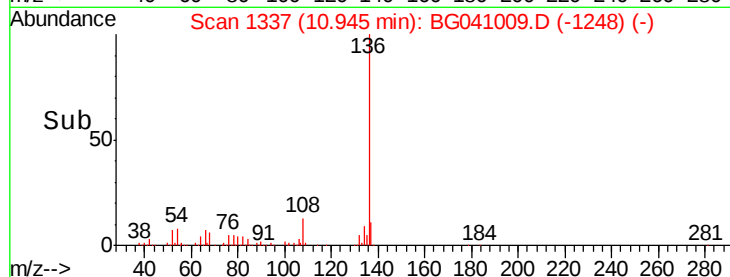
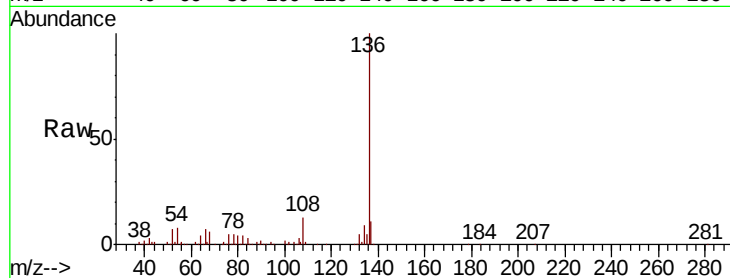




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

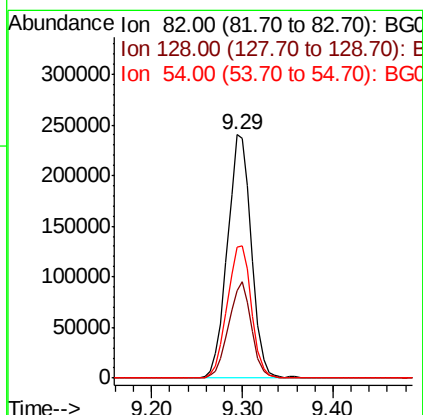
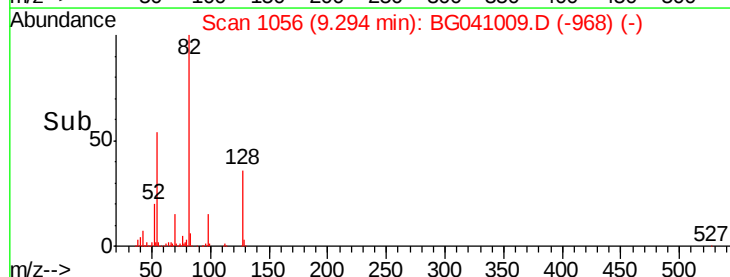
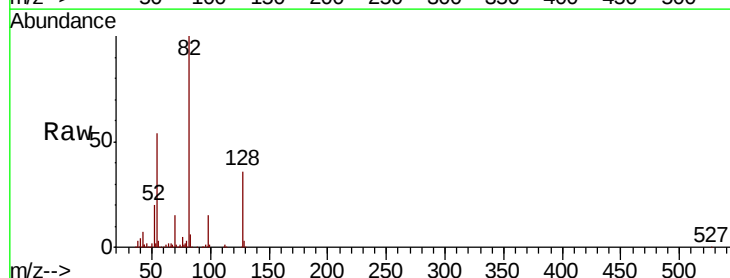
Instrument :
BNA_G
ClientSampleId :
251810

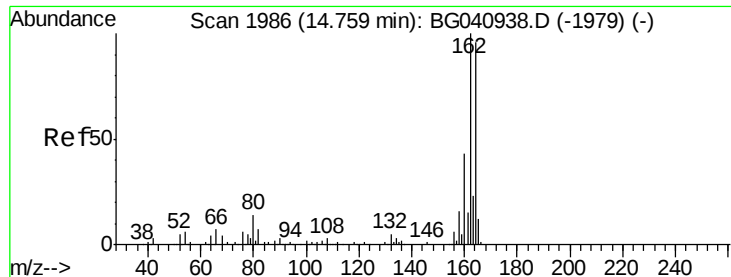
Tot Ion:136	Resp:	240435
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.5 14.3
54	8.4	7.6 11.4
68	5.7	3.9 5.9



#23
Nitrobenzene-d5
Concen: 81.487 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion: 82	Resp:	441331
Ion	Ratio	Lower Upper
82	100	
128	35.7	30.5 45.7
54	53.7	44.6 66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

251810

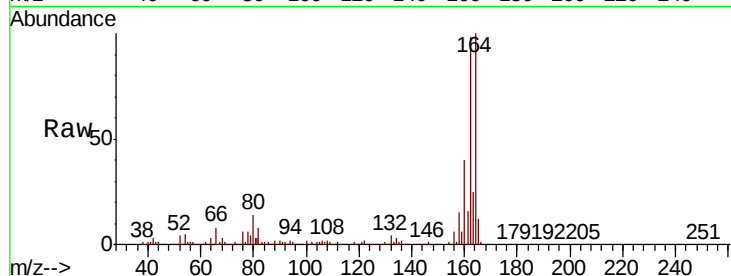
Tot Ion:164 Resp: 177042

Ion Ratio Lower Upper

164 100

162 98.5 83.0 124.4

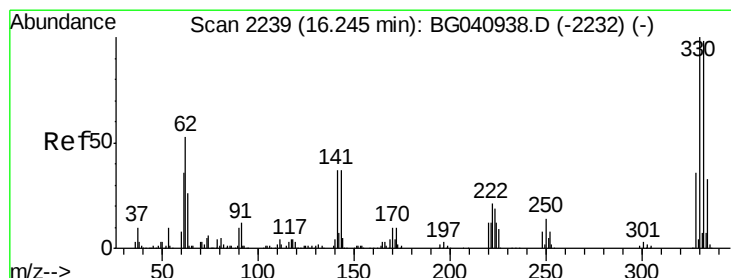
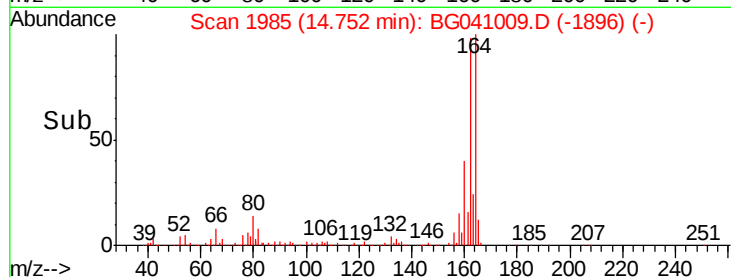
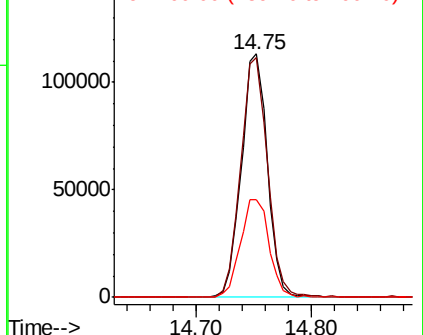
160 40.3 35.6 53.4



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: 78.228 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

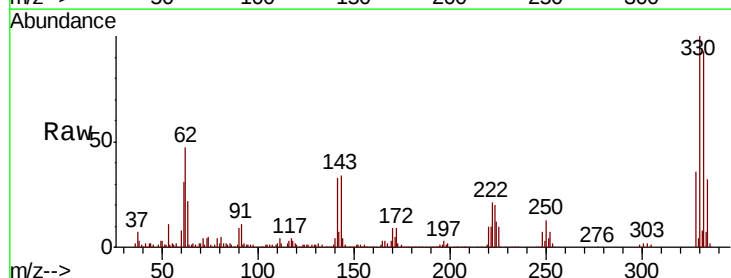
Tgt Ion:330 Resp: 205607

Ion Ratio Lower Upper

330 100

332 94.0 78.5 117.7

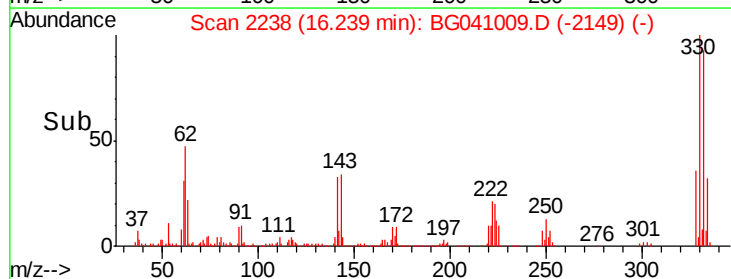
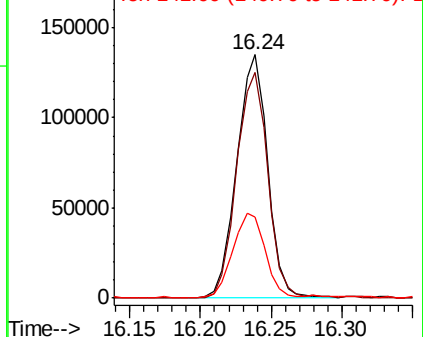
141 35.8 28.7 43.1

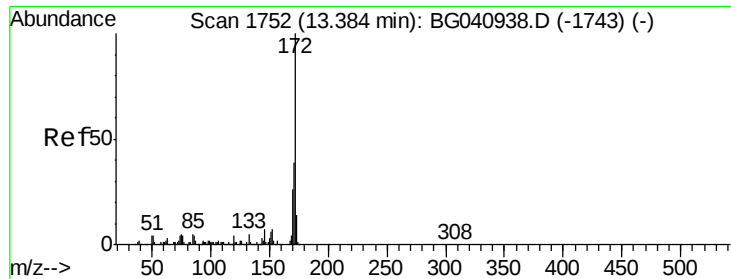


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.761 ng

RT: 13.37 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

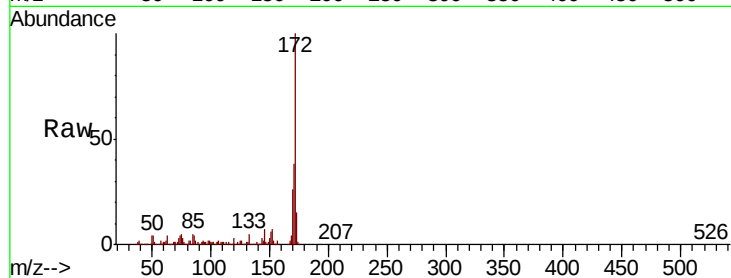
BNA_G

ClientSampleId :

251810

Tot Ion:172 Resp: 1029725

Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.8	20.5	30.7

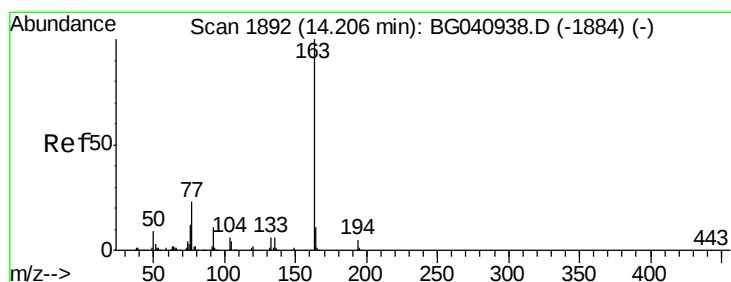
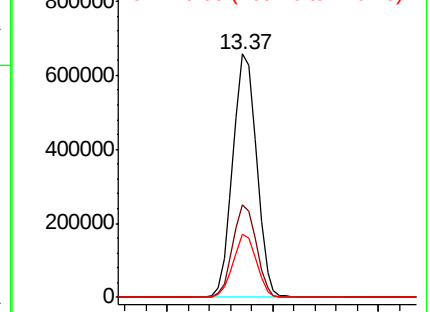
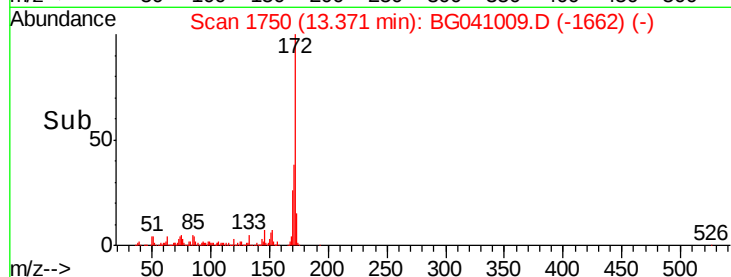


Abundance

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: 4.838 ng

RT: 14.19 min Scan# 1890

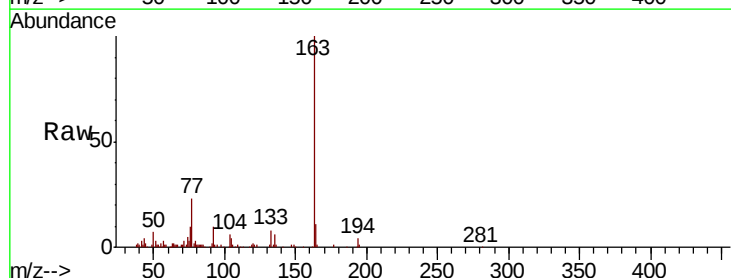
Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Tgt Ion:163 Resp: 72501

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.8	5.8
164	10.6	8.7	13.1

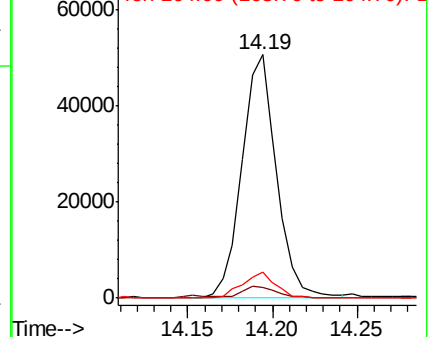
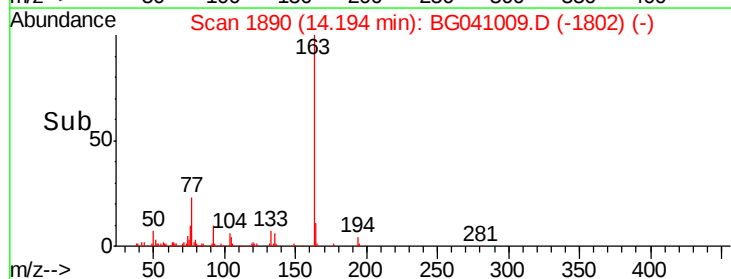


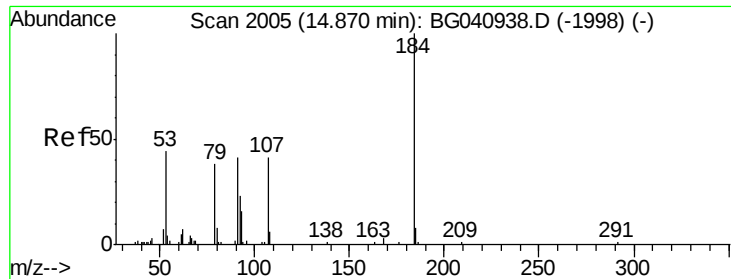
Abundance

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

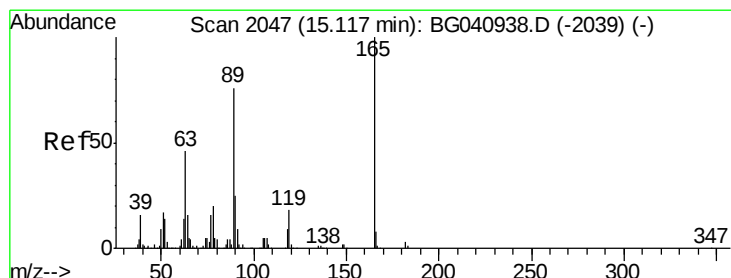
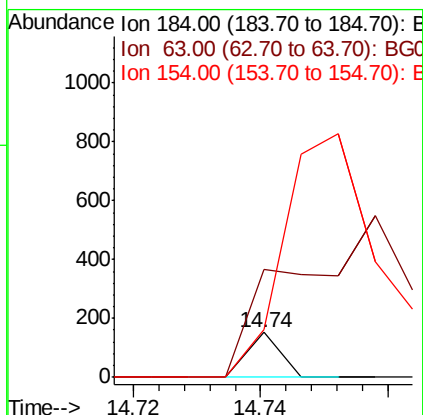
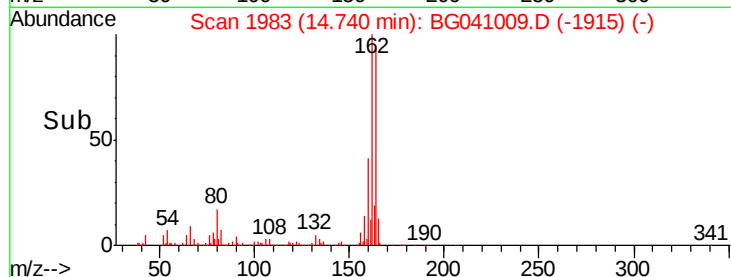
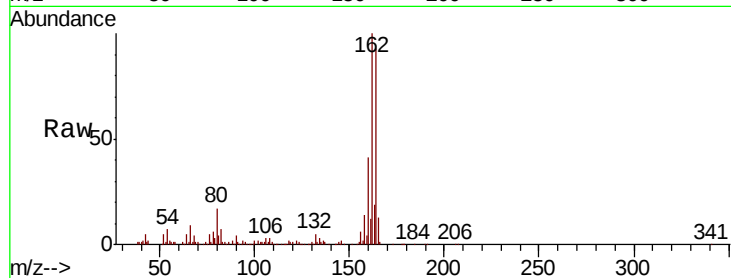




#54
2,4-Dinitrophenol
Concen: 8.291 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.13 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

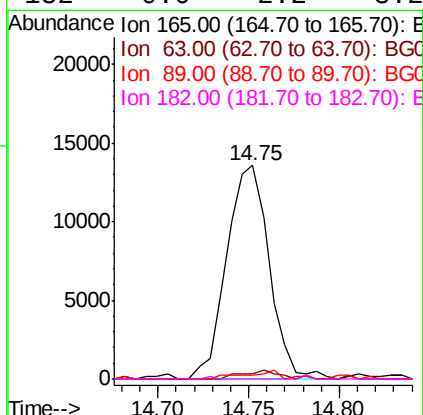
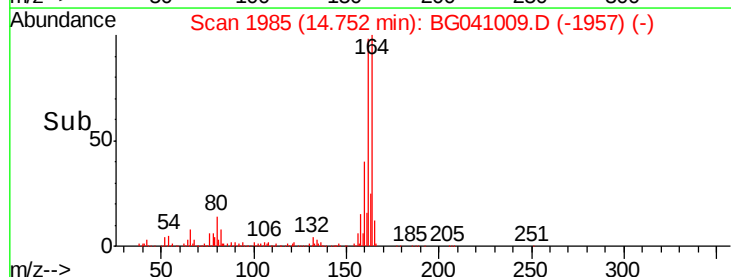
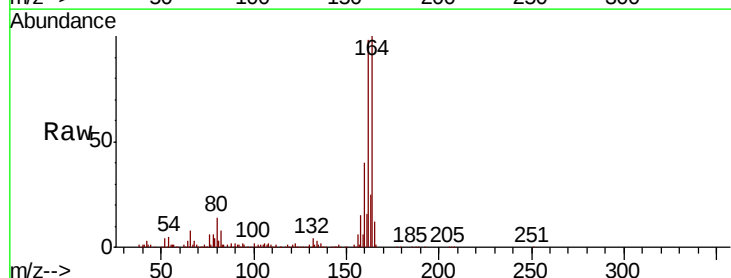
Instrument :
BNA_G
ClientSampleId :
251810

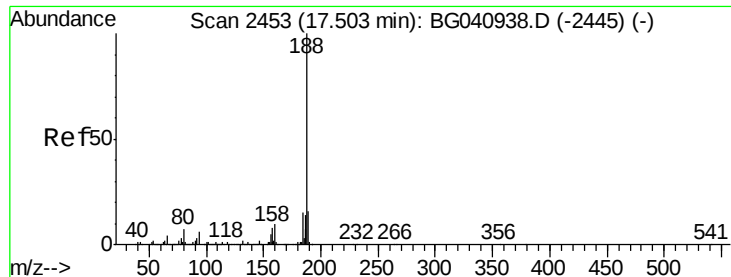
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 240.8 49.8 74.6#
154 105.3 52.2 78.4#



#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.36 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion:165 Resp: 22101
Ion Ratio Lower Upper
165 100
63 2.5 37.3 55.9#
89 2.0 61.0 91.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampleId :

251810

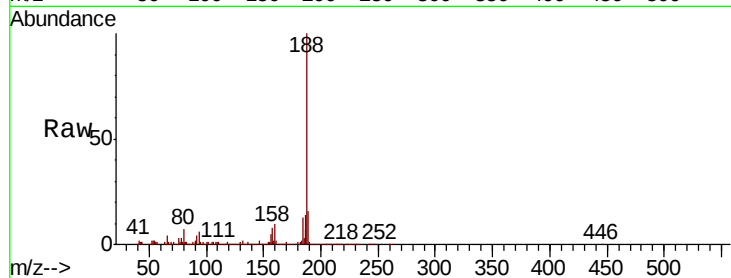
Tot Ion:188 Resp: 397621

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

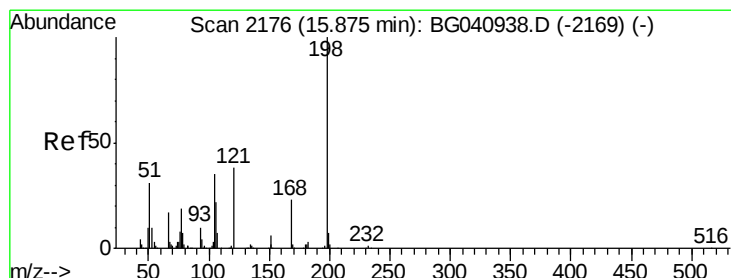
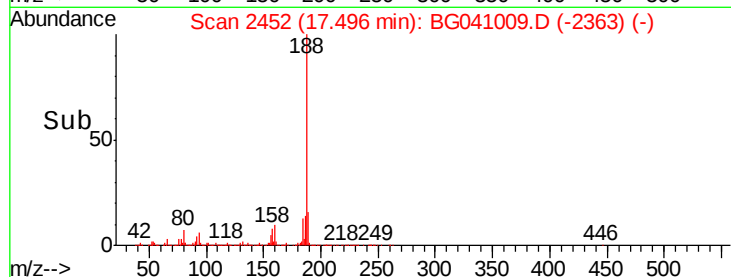
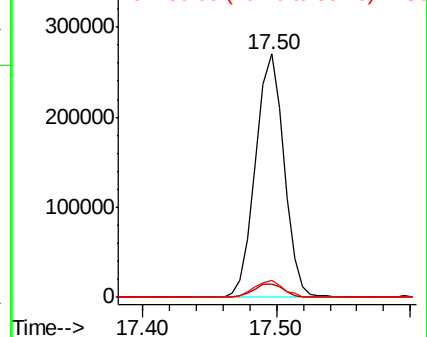
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.704 ng

RT: 15.83 min Scan# 2168

Delta R.T. -0.05 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

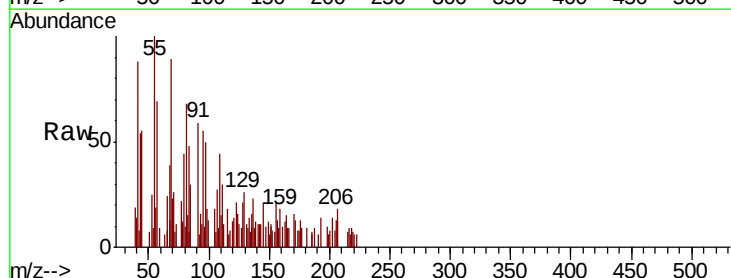
Tgt Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 64.9 21.6 61.6#

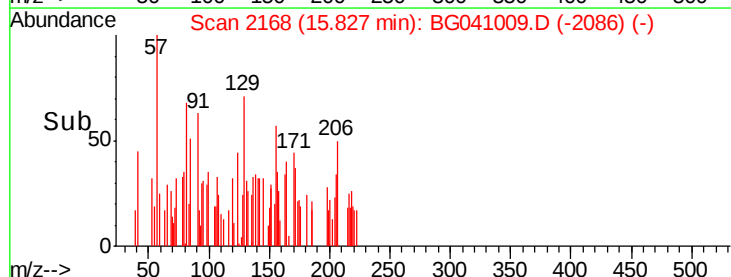
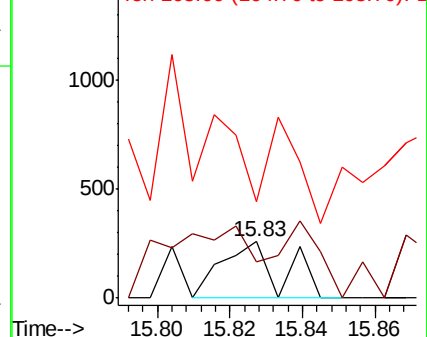
105 171.4 17.5 57.5#

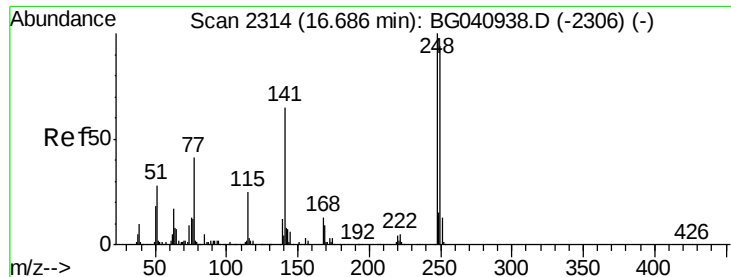


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

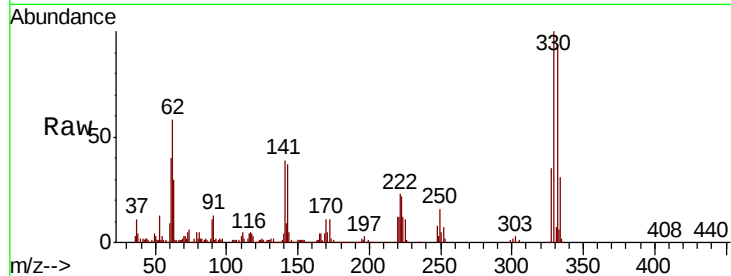




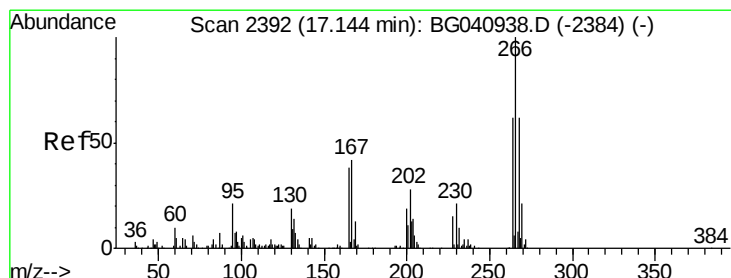
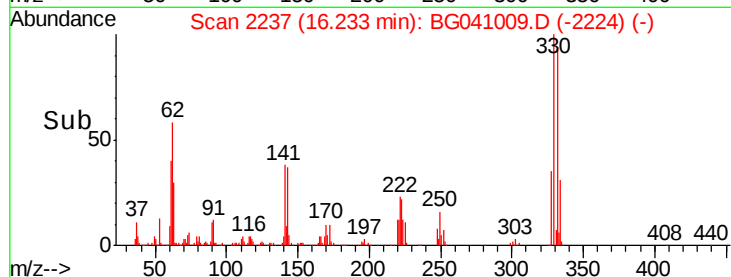
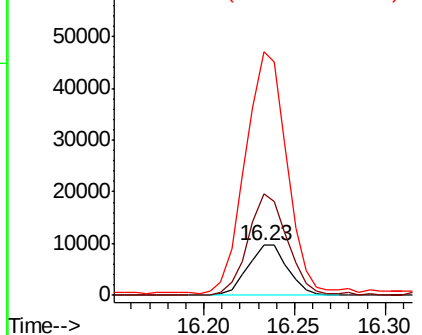
#67
4-Bromophenyl-phenylether
Concen: 2.787 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.45 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Instrument :
BNA_G
ClientSampleId :
251810

Tot Ion:248 Resp: 14956
Ion Ratio Lower Upper
248 100
250 202.0 75.0 112.4#
141 484.9 52.4 78.6#

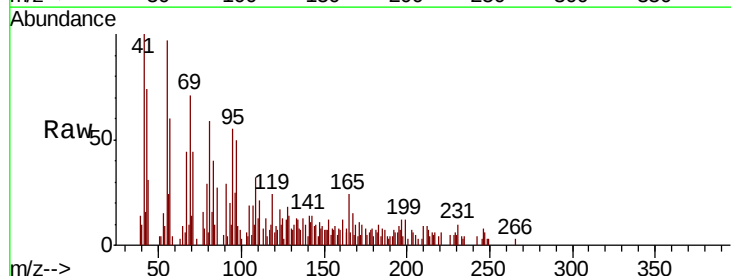


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

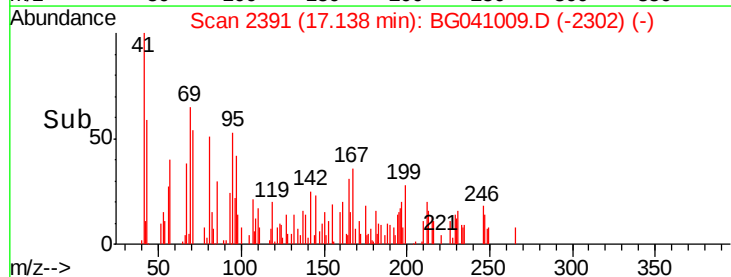
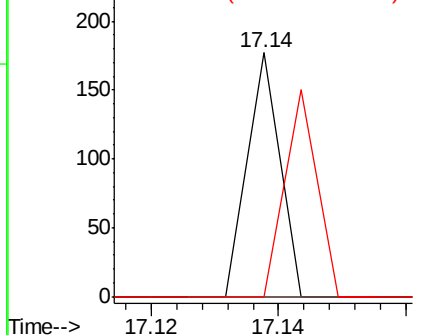


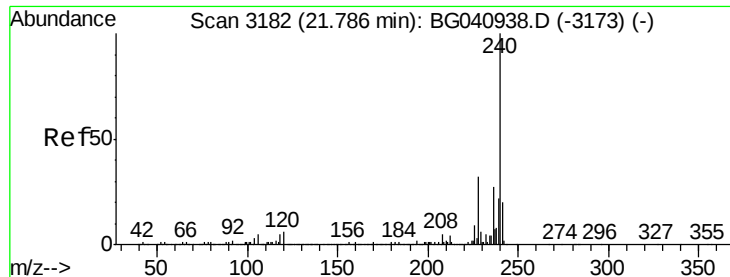
#70
Pentachlorophenol
Concen: 4.275 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion:266 Resp: 62
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

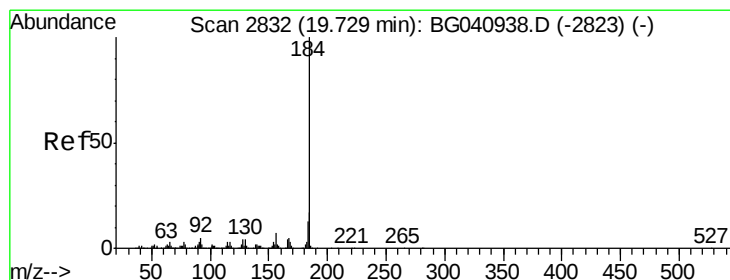
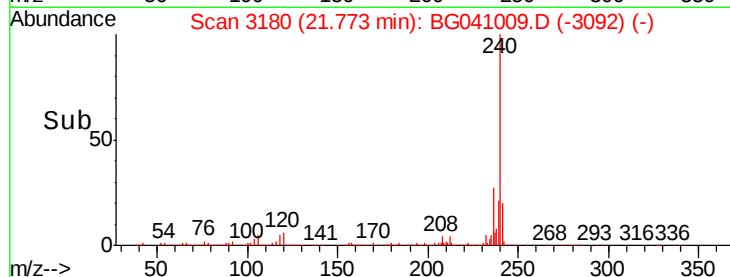
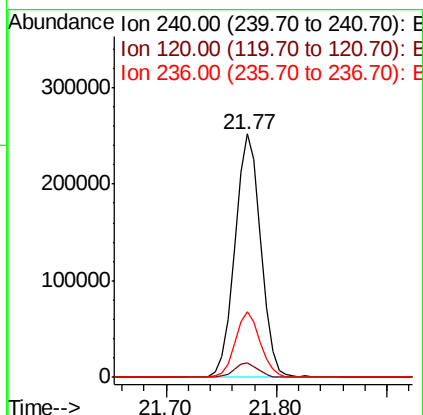
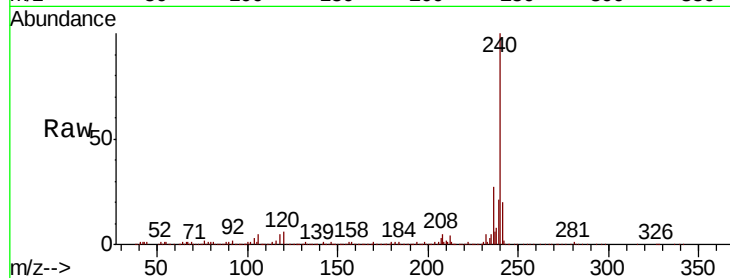




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

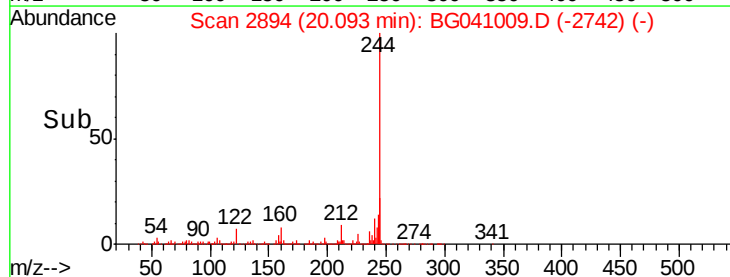
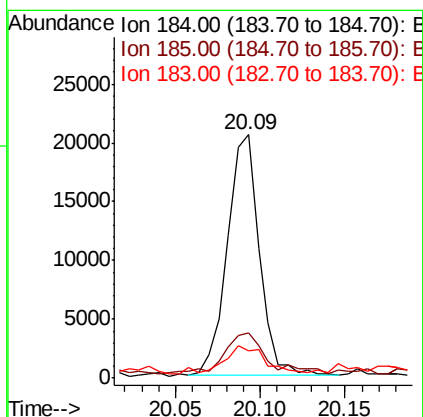
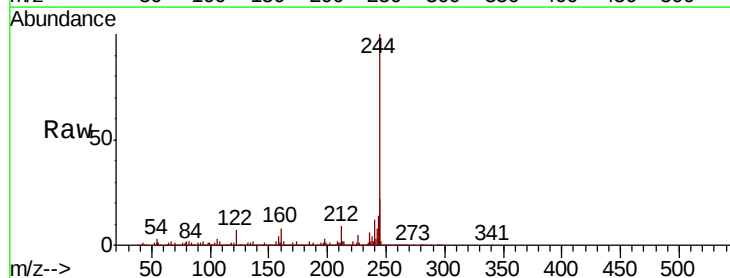
Instrument :
BNA_G
ClientSampleId :
251810

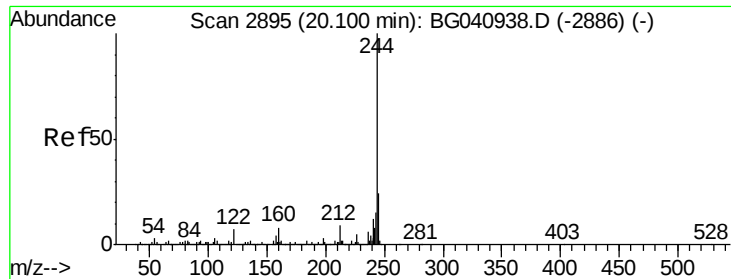
Tot Ion:240 Resp: 413523
Ion Ratio Lower Upper
240 100
120 6.1 4.5 6.7
236 26.8 21.3 31.9



#77
Benzidine
Concen: 2.719 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG041009.D
Acq: 1 Jun 2019 12:59

Tgt Ion:184 Resp: 26826
Ion Ratio Lower Upper
184 100
185 18.5 13.3 19.9
183 11.0 10.7 16.1





#79

Terphenyl-d14

Concen: 76.804 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041009.D

Acq: 1 Jun 2019 12:59

Instrument :

BNA_G

ClientSampled :

251810

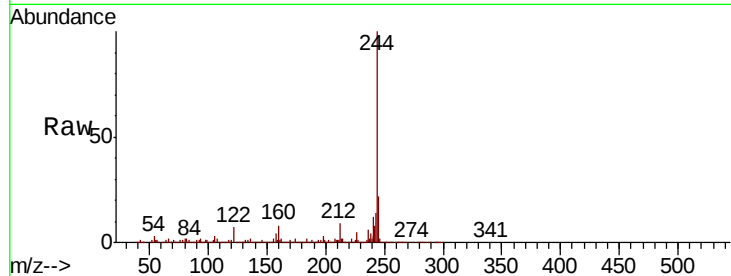
Tot Ion:244 Resp: 1496467

Ion Ratio Lower Upper

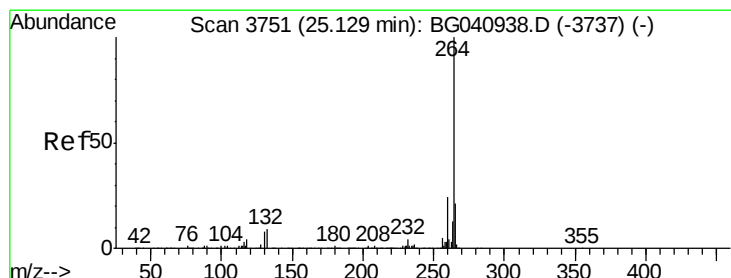
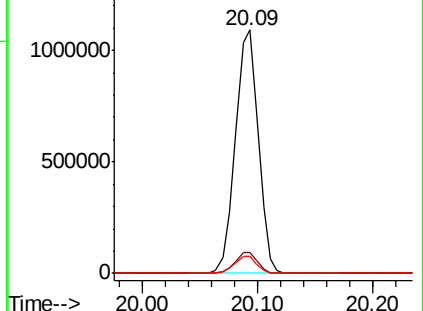
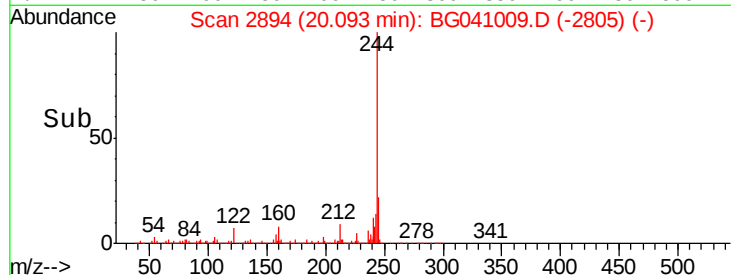
244 100

212 8.6 7.0 10.4

122 6.8 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: BG041009.D

Acq: 1 Jun 2019 12:59

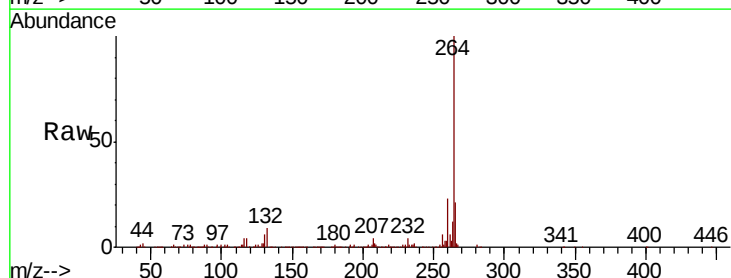
Tgt Ion:264 Resp: 440164

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 21.2 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

