

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041136.D
 Acq On : 8 Jun 2019 16:46
 Operator : HP/JU
 Sample : K3160-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 23:01:31 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

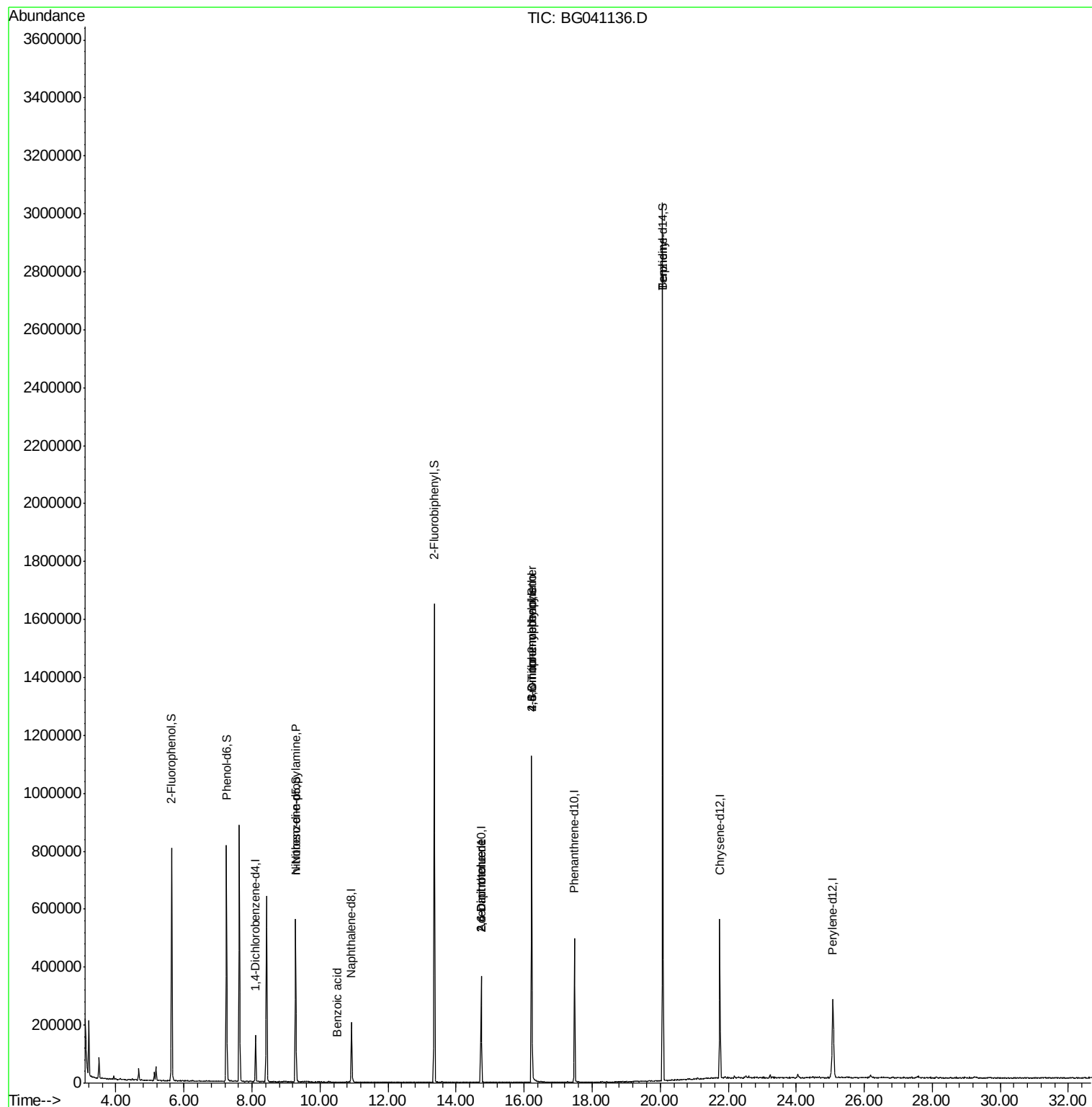
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	41693	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	166673	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	129552	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	318087	20.00	ng	-0.03
76) Chrysene-d12	21.75	240	326293	20.00	ng	-0.03
87) Perylene-d12	25.07	264	337909	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	314510	136.02	ng	-0.02
7) Phenol-d6	7.25	99	429532	120.29	ng	-0.01
23) Nitrobenzene-d5	9.28	82	346095	92.18	ng	-0.03
42) 2,4,6-Tribromophenol	16.22	330	217998	113.35	ng	-0.03
45) 2-Fluorobiphenyl	13.36	172	820596	91.22	ng	-0.03
79) Terphenyl-d14	20.07	244	1453717	94.56	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	47943	17.447	ng	# 76
32) Benzoic acid	10.51	122	61	8.155	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	15975	6.756	ng	# 18
57) 2,4-Dinitrotoluene	14.73	165	15975	4.783	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.22	198	709	8.931	ng	# 19
67) 4-Bromophenyl-phenylether	16.22	248	16421	3.825	ng	# 1
77) Benzidine	20.07	184	25181	3.235	ng	# 91

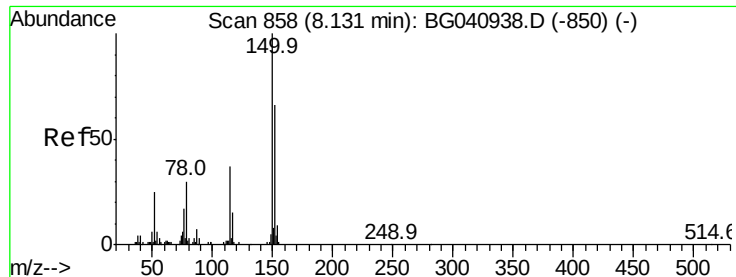
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 29 18:39:57 2019
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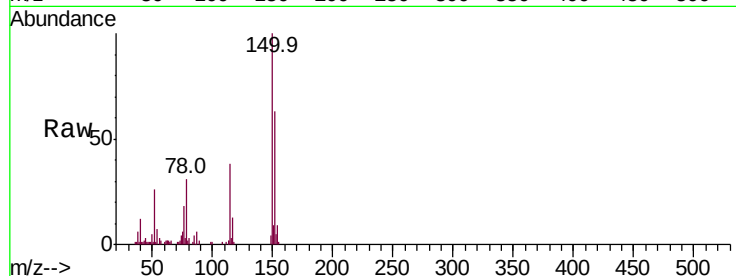


#1

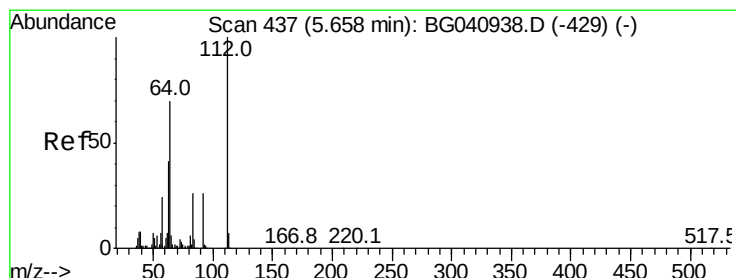
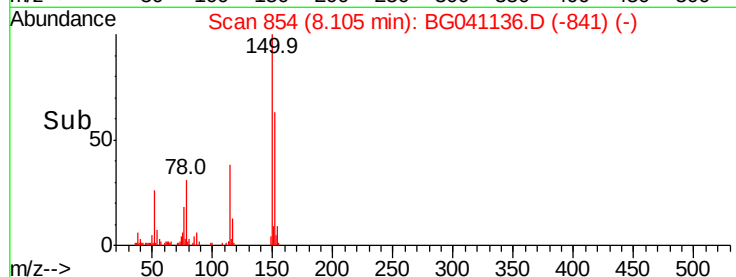
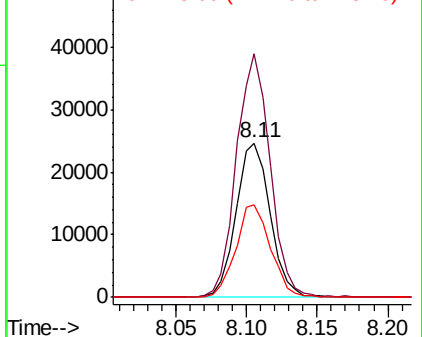
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 41693
Ion Ratio Lower Upper
152 100
150 157.9 120.6 180.8
115 60.1 45.1 67.7



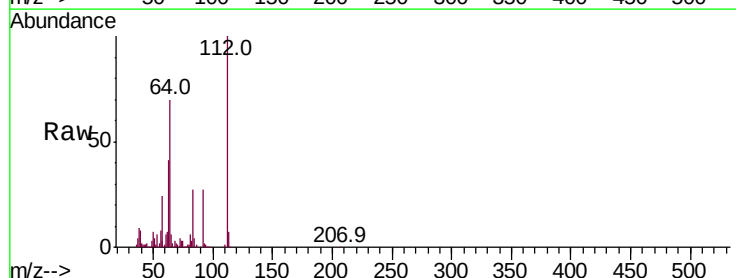
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



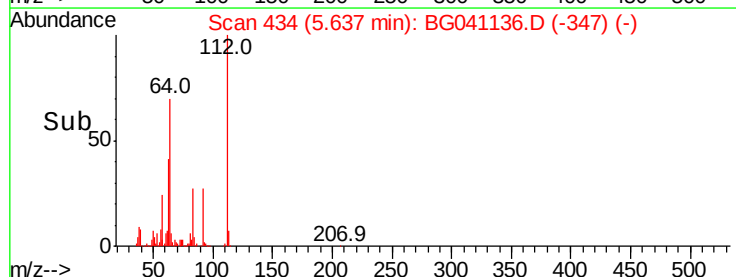
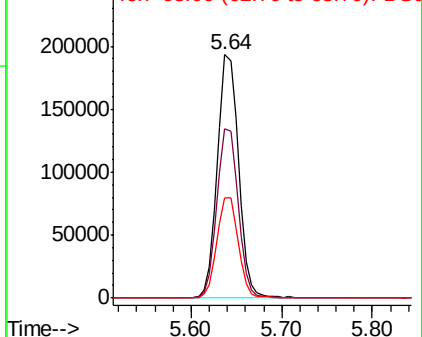
#5

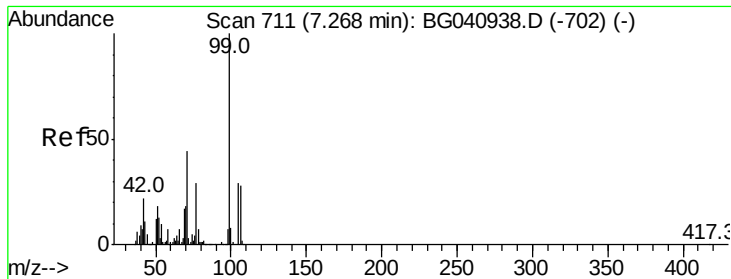
2-Fluorophenol
Concen: 136.025 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Tgt Ion:112 Resp: 314510
Ion Ratio Lower Upper
112 100
64 69.6 56.2 84.2
63 41.0 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: 120.288 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

Instrument :

BNA_G

ClientSampleId :

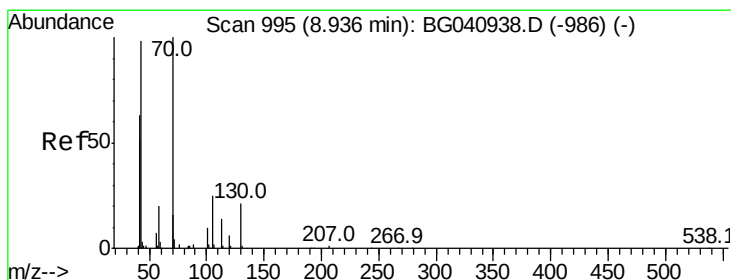
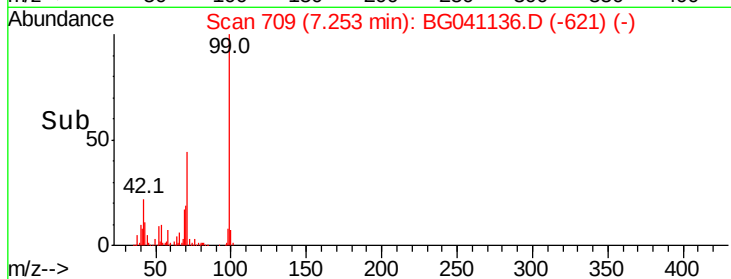
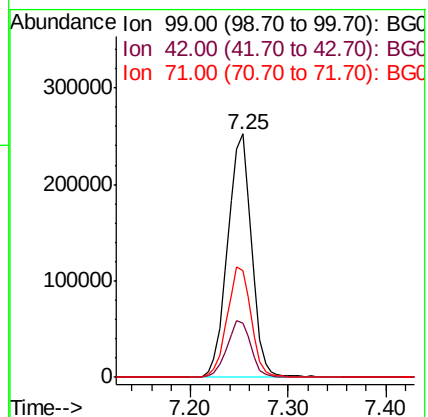
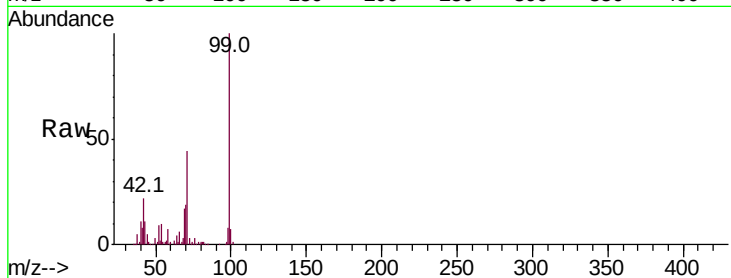
Tot Ion: 99 Resp: 429532

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 43.7 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.447 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.34 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

Tgt Ion: 70 Resp: 47943

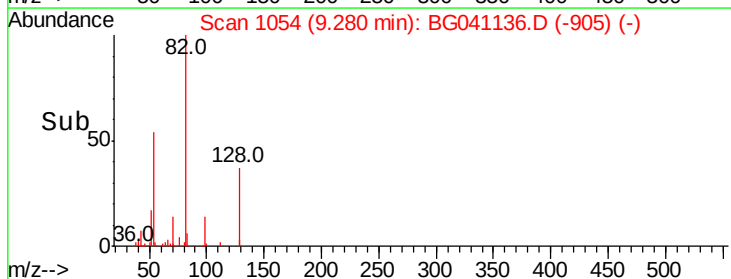
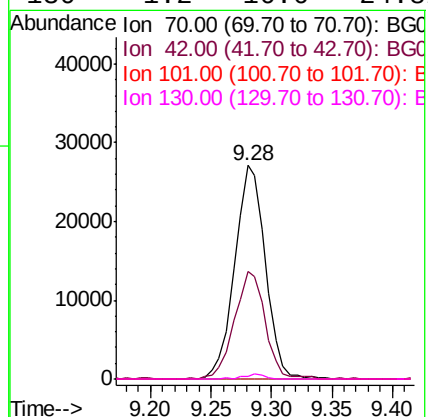
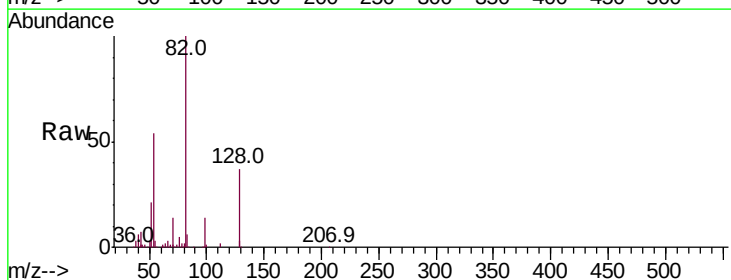
Ion Ratio Lower Upper

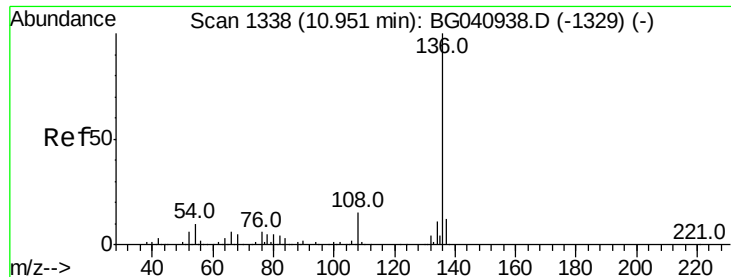
70 100

42 50.6 51.5 77.3#

101 0.0 8.1 12.1#

130 1.2 16.6 24.8#

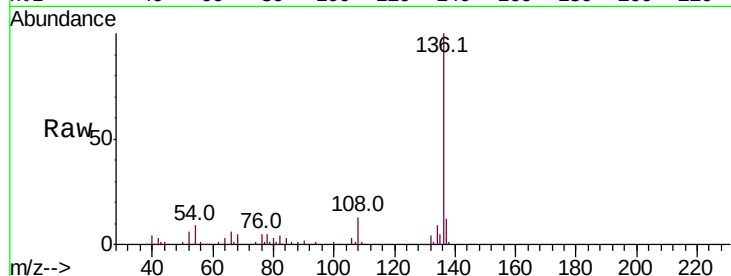




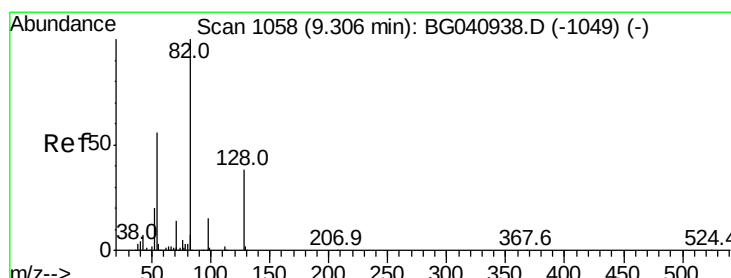
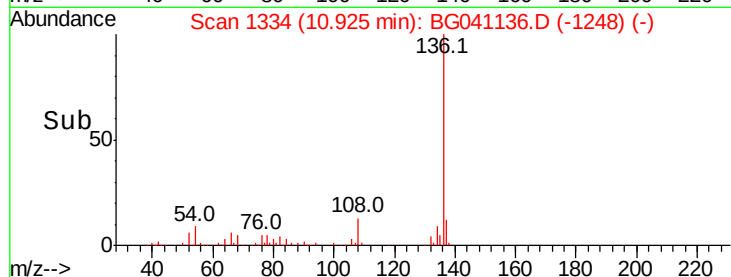
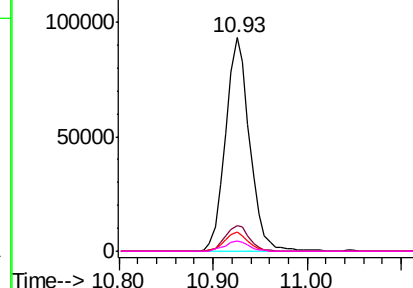
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 166673
Ion Ratio	Lower Upper
136 100	
137 11.8	9.5 14.3
54 8.8	7.6 11.4
68 4.8	3.9 5.9

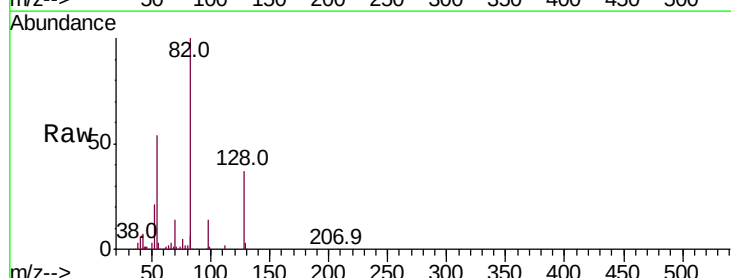


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

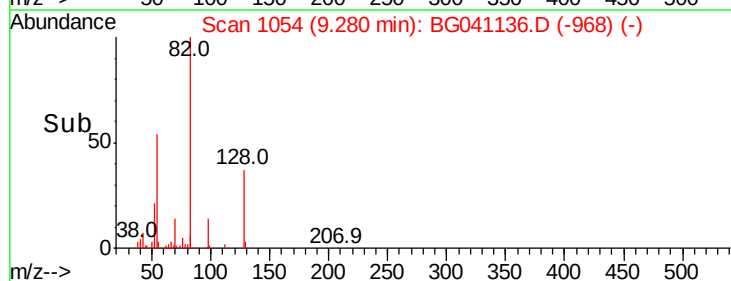
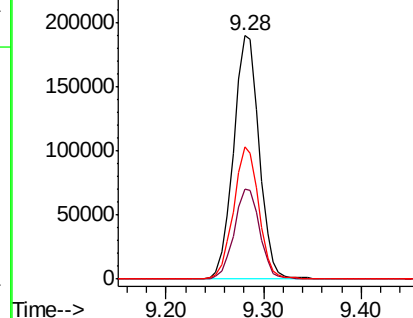


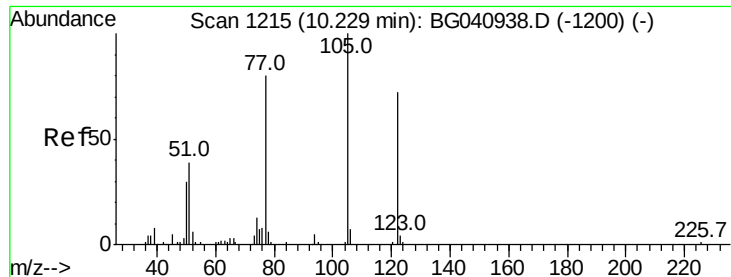
#23
Nitrobenzene-d5
Concen: 92.183 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Tgt Ion: 82	Resp: 346095
Ion Ratio	Lower Upper
82 100	
128 37.2	30.5 45.7
54 54.4	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

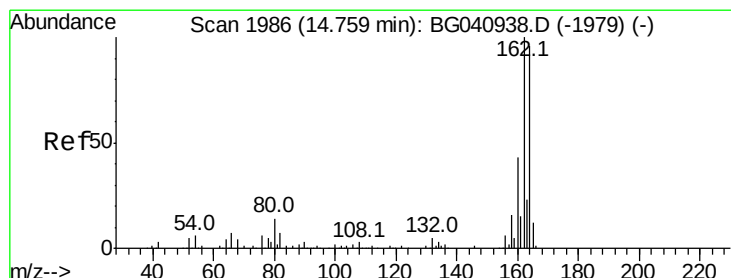
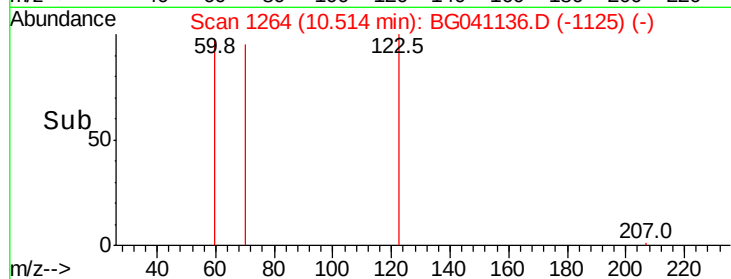
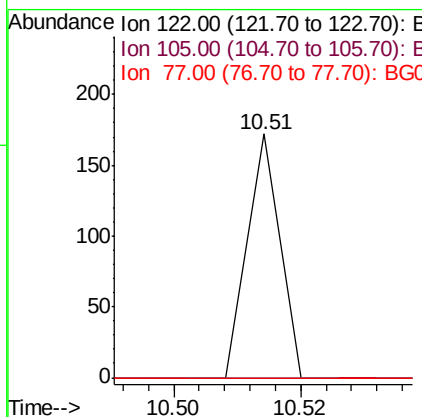
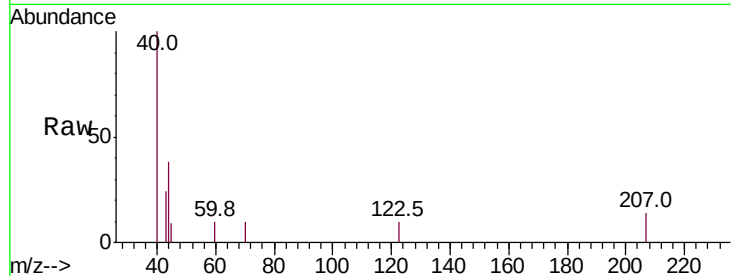




#32
Benzoic acid
Concen: 8.155 ng
RT: 10.51 min Scan# 1264
Delta R.T. 0.29 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

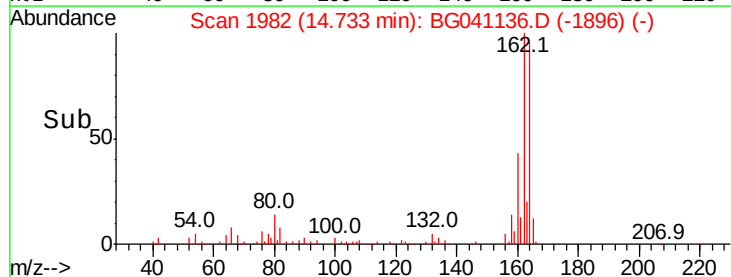
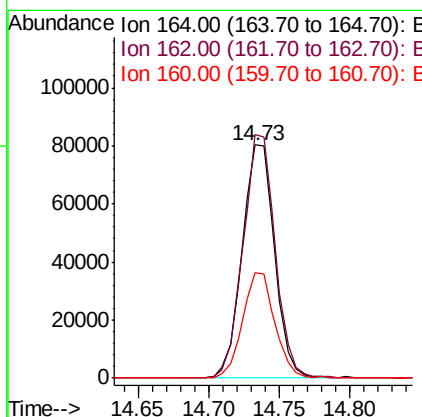
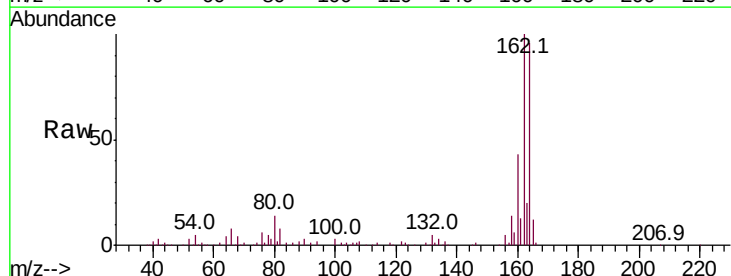
Instrument :
BNA_G
ClientSampleId :

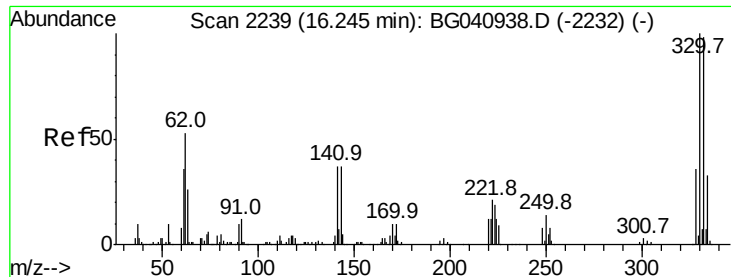
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.0	124.4
160	45.0	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 113.346 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

Instrument :

BNA_G

ClientSampled :

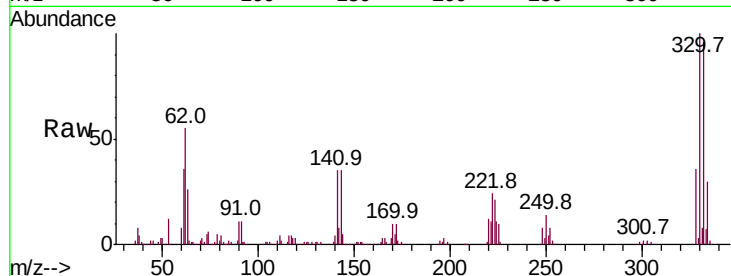
Tot Ion:330 Resp: 217998

Ion Ratio Lower Upper

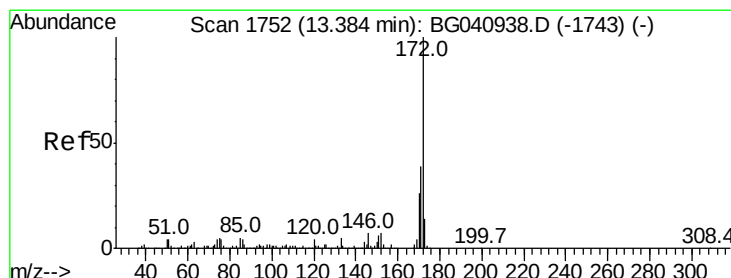
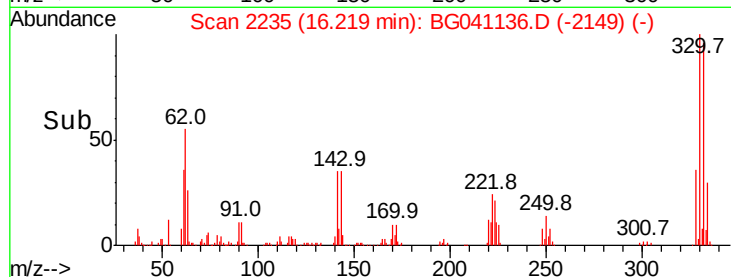
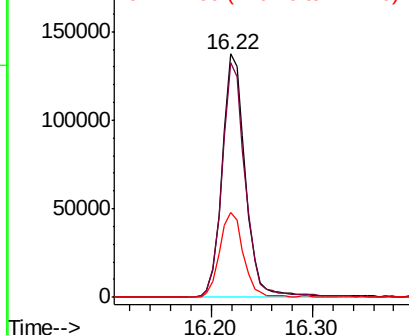
330 100

332 96.2 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: 91.218 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.03 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

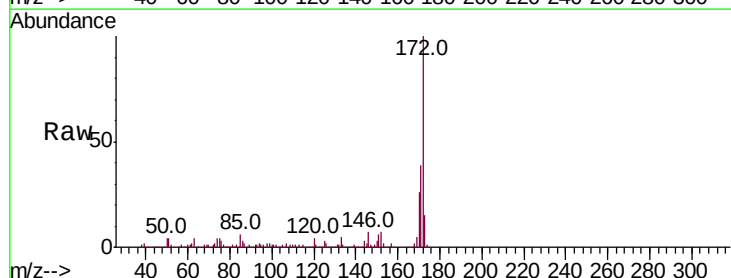
Tgt Ion:172 Resp: 820596

Ion Ratio Lower Upper

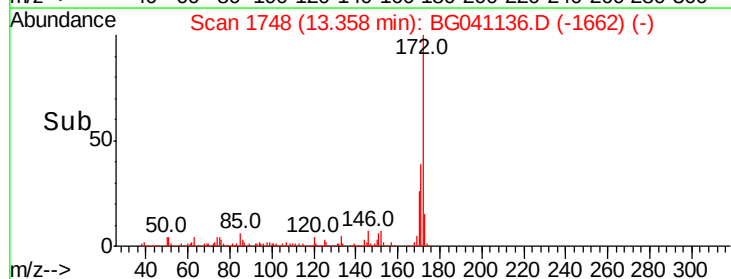
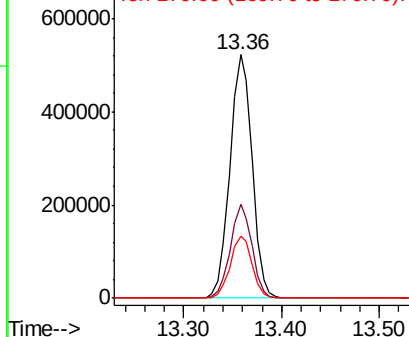
172 100

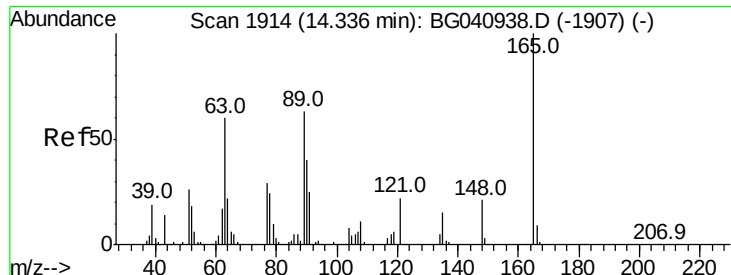
171 38.7 31.1 46.7

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

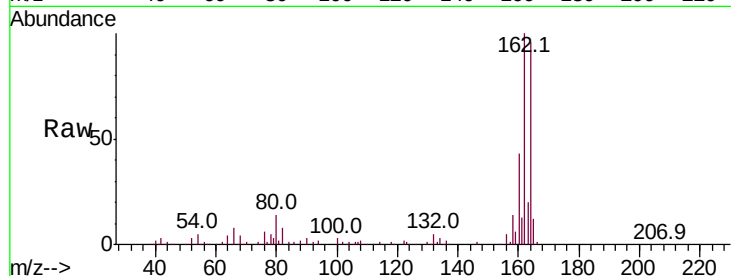




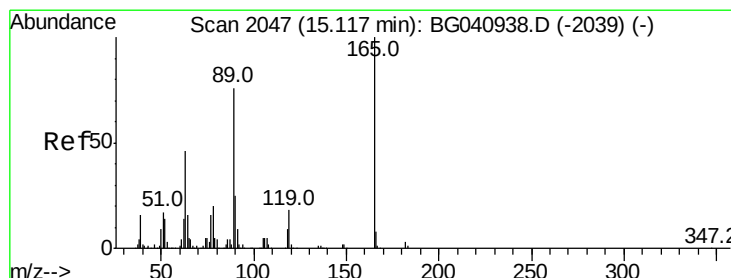
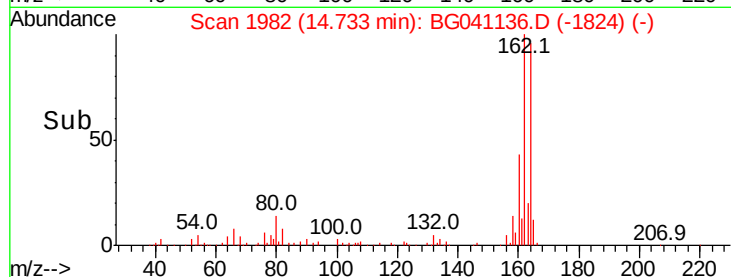
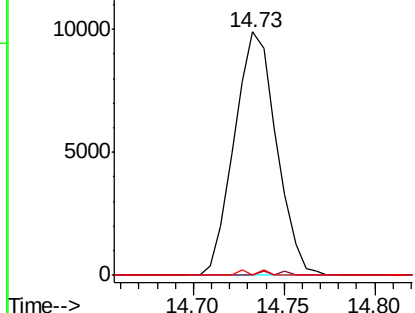
#51
2,6-Dinitrotoluene
Concen: 6.756 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.40 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 15975
Ion Ratio Lower Upper
165 100
63 0.0 53.6 80.4#
89 0.0 50.4 75.6#

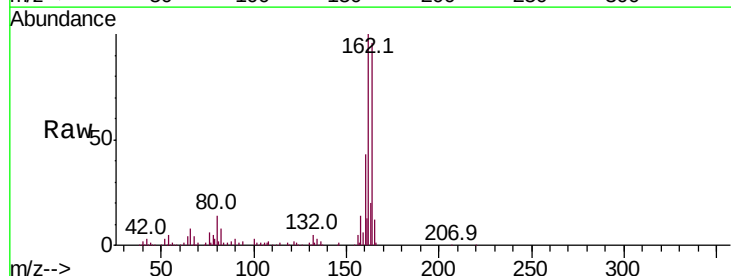


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

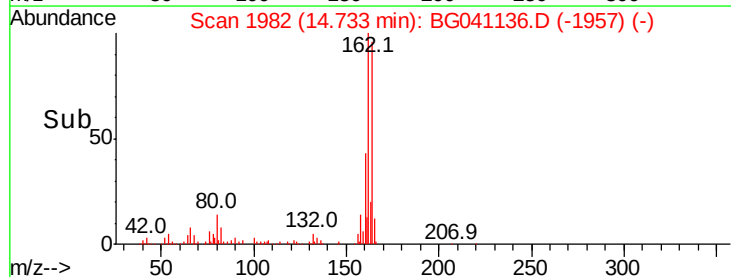
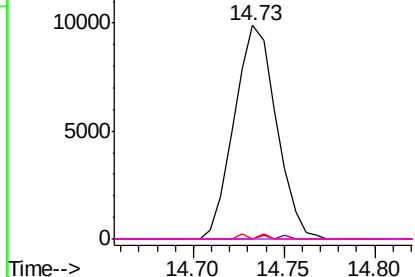


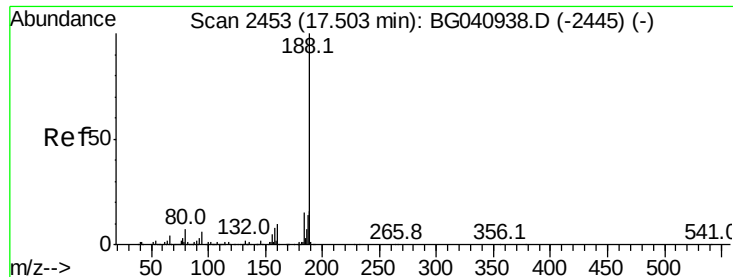
#57
2,4-Dinitrotoluene
Concen: 4.783 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.38 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Tgt Ion:165 Resp: 15975
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 0.0 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: 17.48 min Scan# 2449

Delta R.T. -0.03 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

Instrument :

BNA_G

ClientSampled :

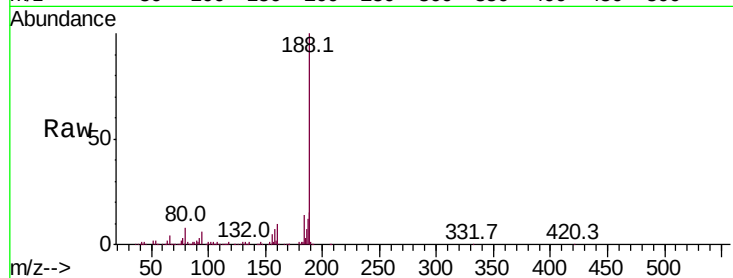
Tot Ion:188 Resp: 318087

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

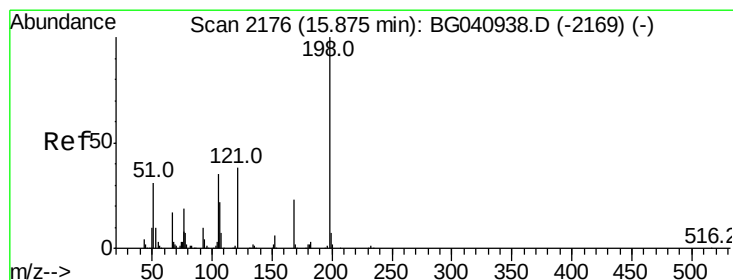
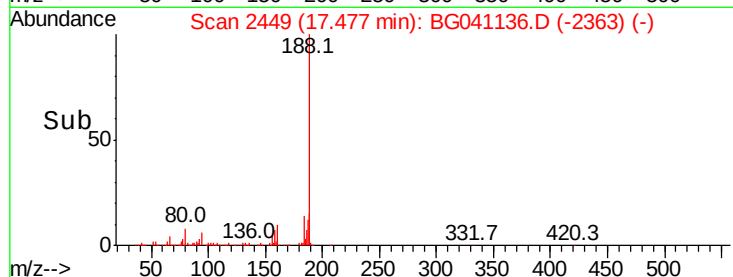
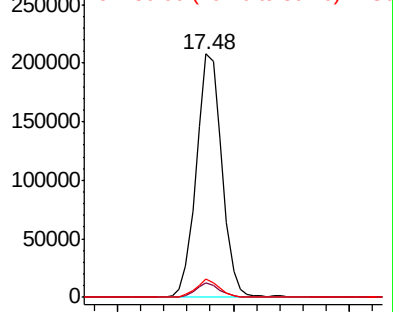
80 7.7 5.8 8.8



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: 8.931 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.34 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

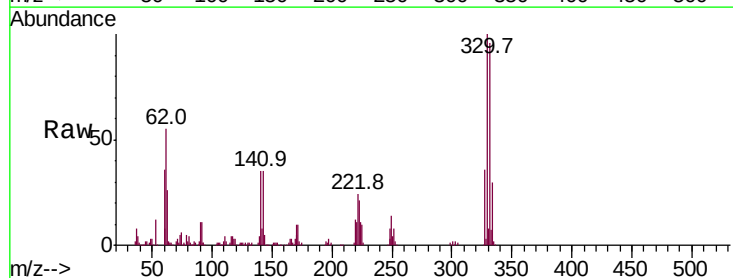
Tgt Ion:198 Resp: 709

Ion Ratio Lower Upper

198 100

51 73.2 21.6 61.6#

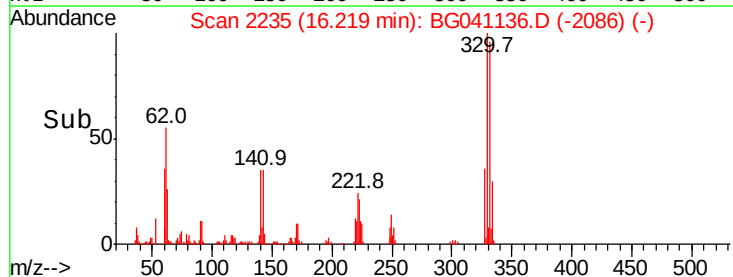
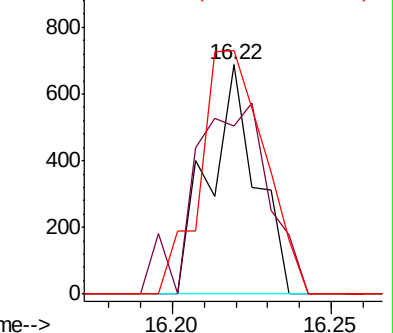
105 106.3 17.5 57.5#

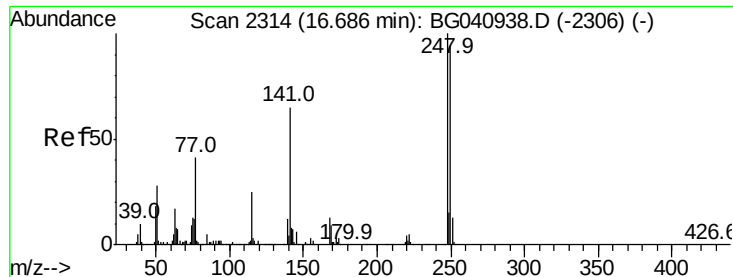


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

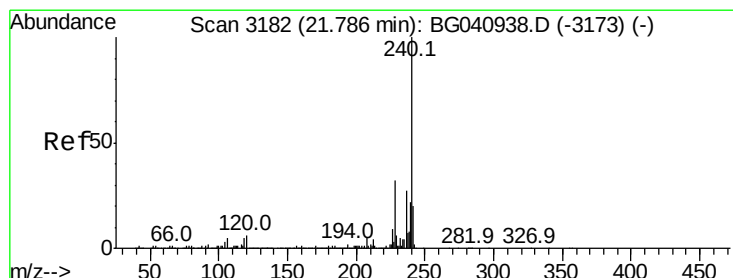
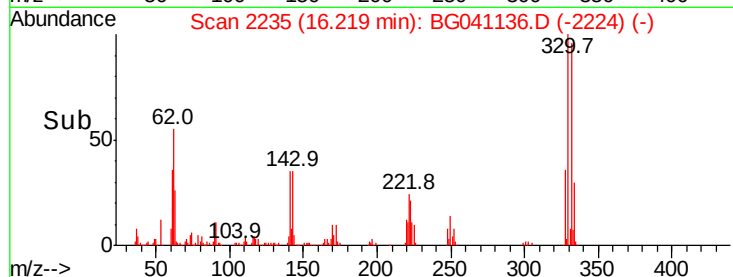
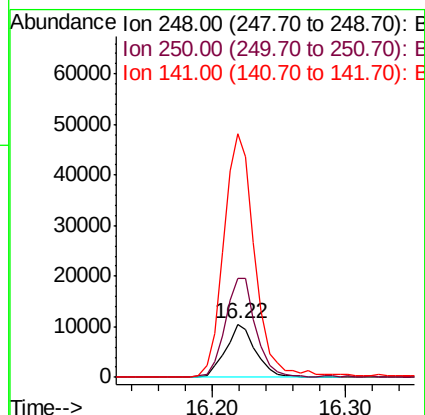
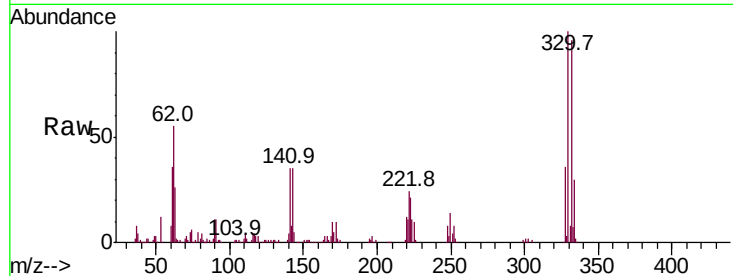




#67
4-Bromophenyl-phenylether
Concen: 3.825 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.47 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

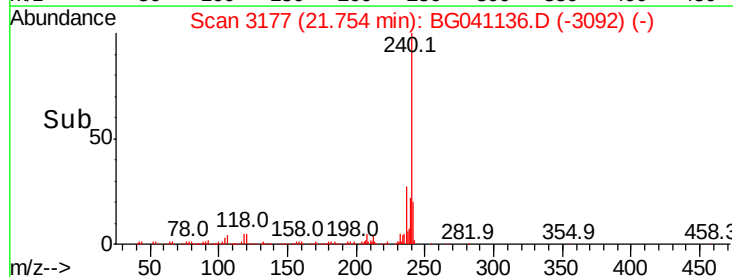
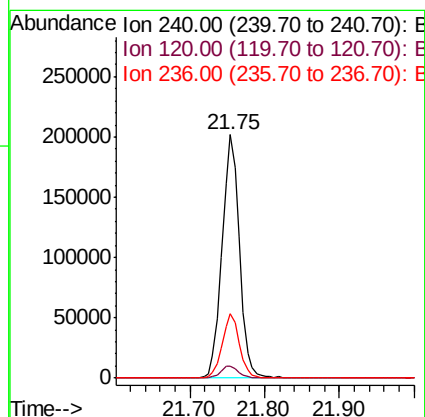
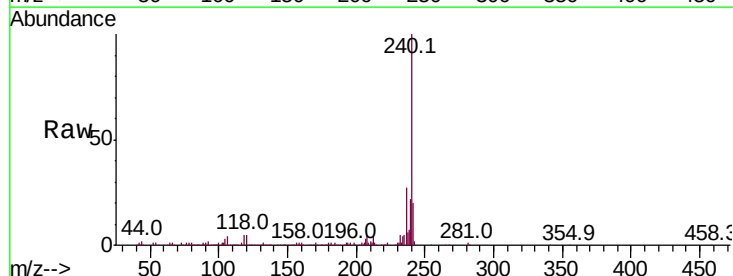
Instrument :
BNA_G
ClientSampleId :

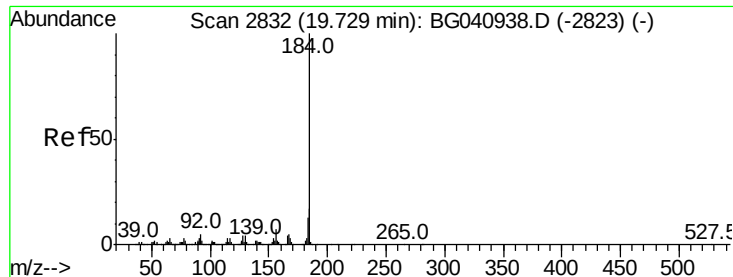
Tot Ion:248 Resp: 16421
Ion Ratio Lower Upper
248 100
250 185.6 75.0 112.4#
141 458.1 52.4 78.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Tgt Ion:240 Resp: 326293
Ion Ratio Lower Upper
240 100
120 4.8 4.5 6.7
236 26.6 21.3 31.9





#77

Benzidine

Concen: 3.235 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.34 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

Instrument :

BNA_G

ClientSampleId :

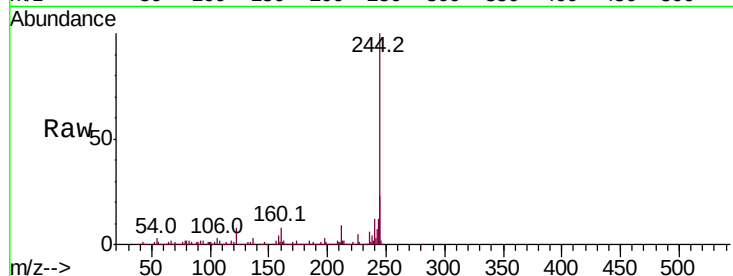
Tot Ion:184 Resp: 25181

Ion Ratio Lower Upper

184 100

185 14.4 13.3 19.9

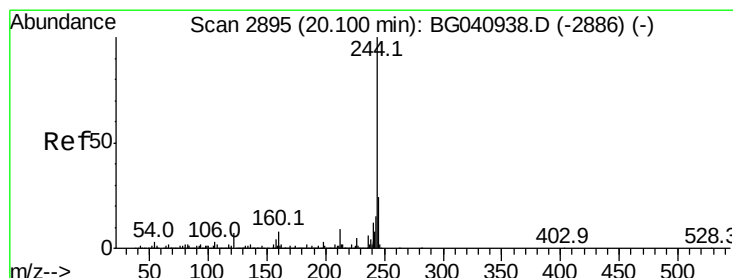
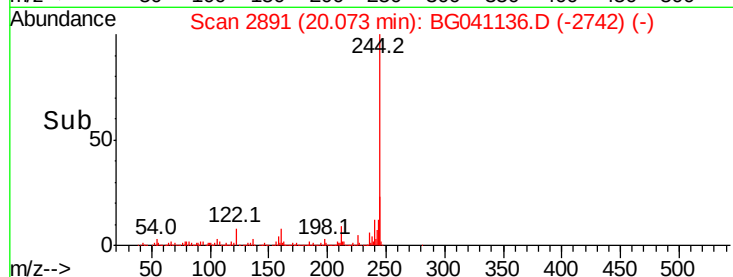
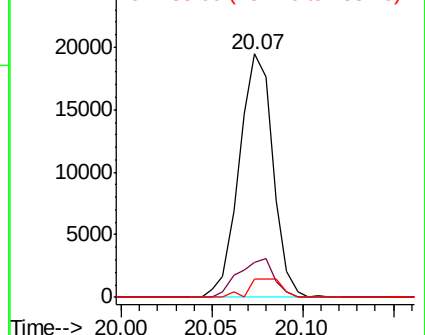
183 7.5 10.7 16.1#



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: 94.556 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041136.D

Acq: 8 Jun 2019 16:46

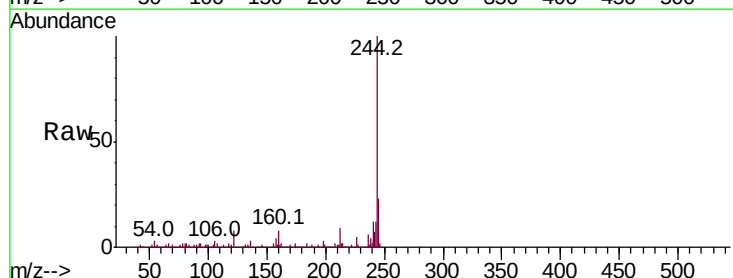
Tgt Ion:244 Resp: 1453717

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

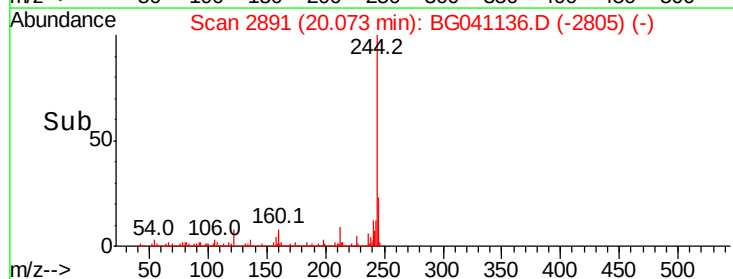
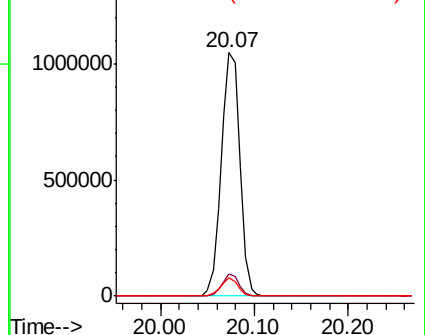
122 7.6 5.4 8.0

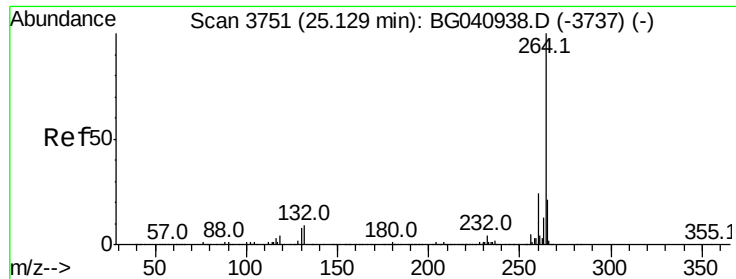


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlone-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3742
Delta R.T. -0.06 min
Lab File: BG041136.D
Acq: 8 Jun 2019 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	22.1	17.0	25.4

