

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041137.D
 Acq On : 8 Jun 2019 17:25
 Operator : HP/JU
 Sample : K3158-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 23:01:39 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

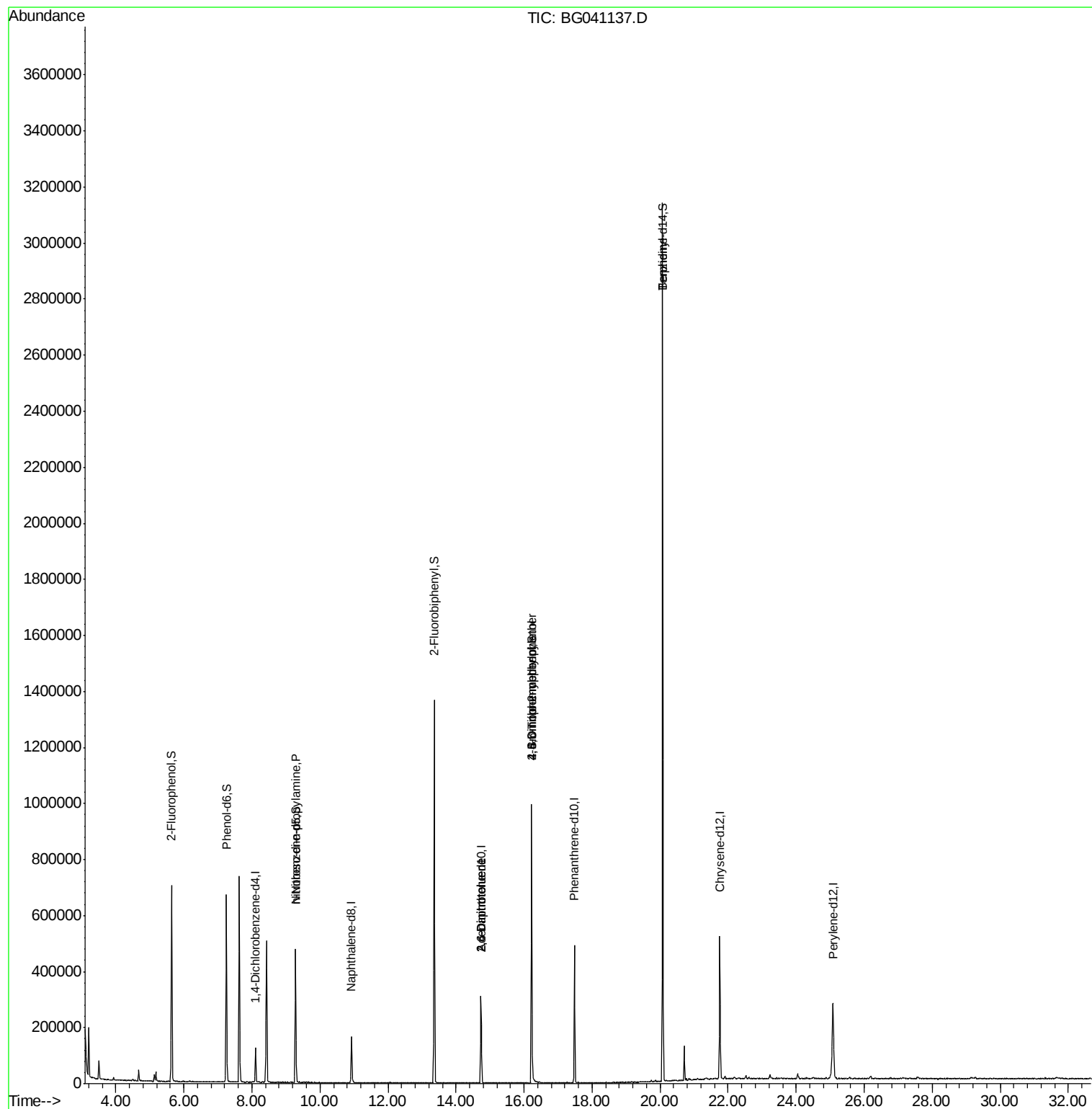
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	33803	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	140050	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	107983	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	299196	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	313825	20.00	ng	-0.03
87) Perylene-d12	25.07	264	329682	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	260416	138.92	ng	-0.02
7) Phenol-d6	7.25	99	352376	121.71	ng	-0.02
23) Nitrobenzene-d5	9.28	82	287038	90.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	196565	122.62	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	689323	91.93	ng	-0.02
79) Terphenyl-d14	20.07	244	1412885	95.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	39822	17.874	ng	# 80
51) 2,6-Dinitrotoluene	14.73	165	14626	7.421	ng	# 19
57) 2,4-Dinitrotoluene	14.73	165	14626	5.254	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.22	198	654	8.924	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	14222	3.522	ng	# 1
77) Benzidine	20.07	184	23011	3.074	ng	# 92

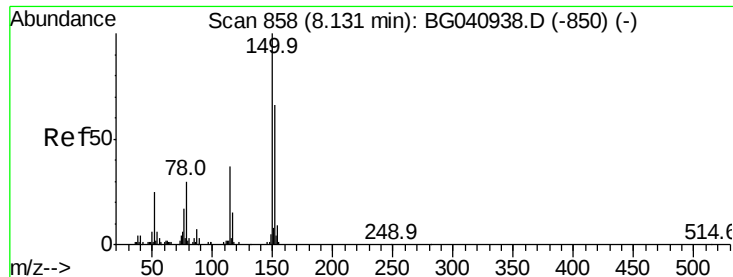
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
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Sample : K3158-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 09 23:01:39 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



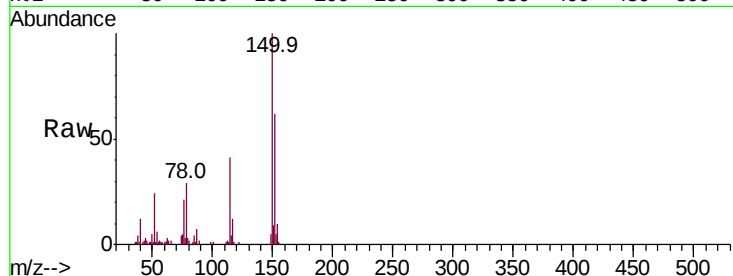


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	120.6	180.8
115	65.1	45.1	67.7

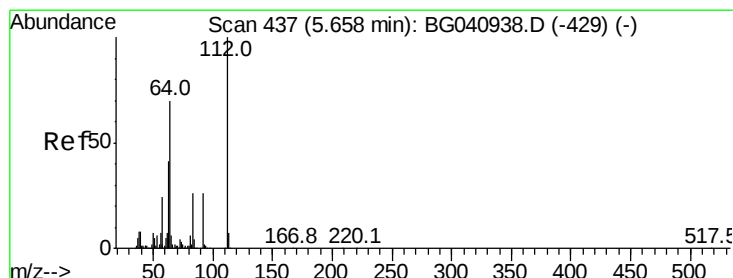
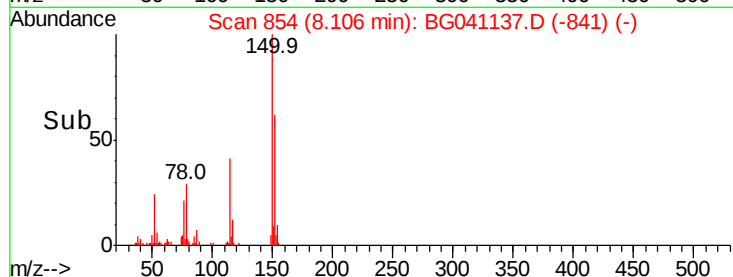
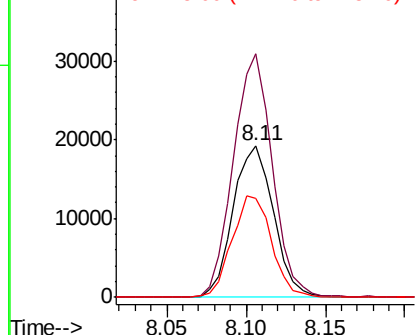


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

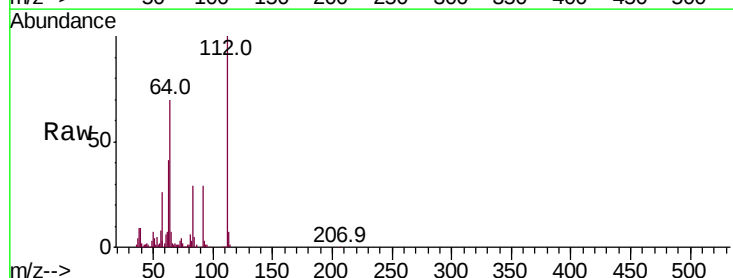
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.918 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.2	84.2
63	41.4	32.8	49.2

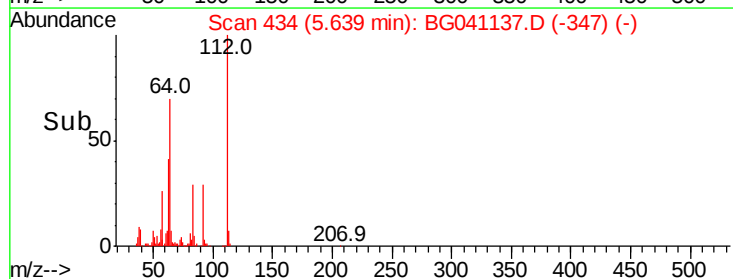
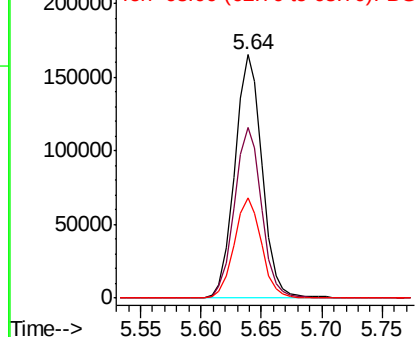


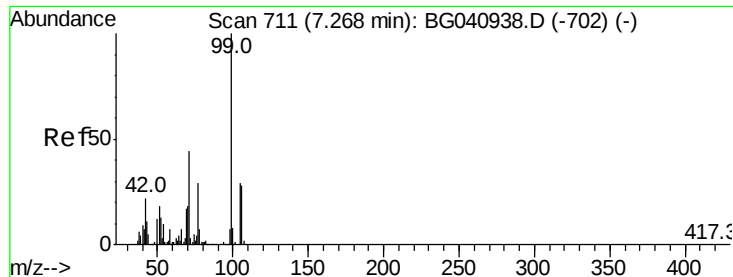
Abundance

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: 121.714 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

Instrument :

BNA_G

ClientSampleId :

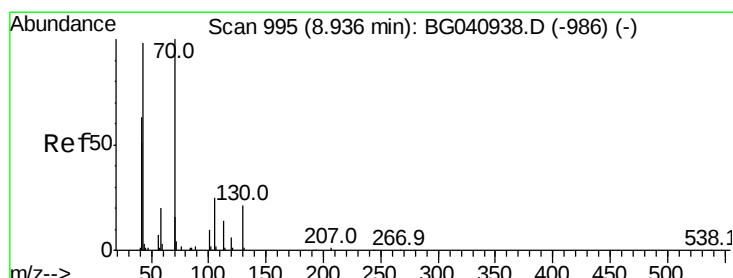
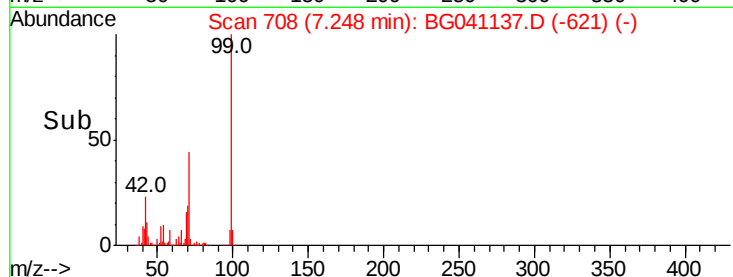
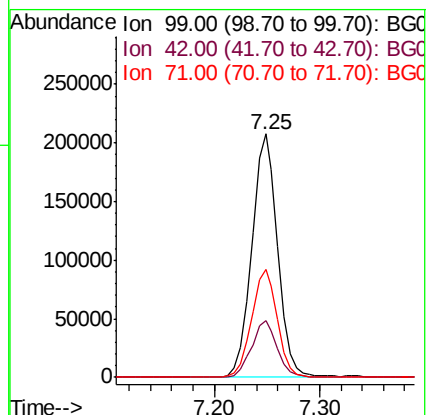
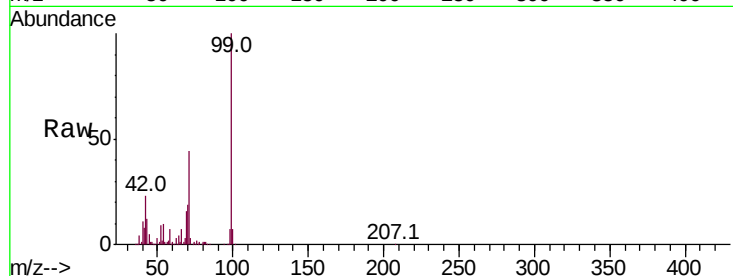
Tot Ion: 99 Resp: 352376

Ion Ratio Lower Upper

99 100

42 23.2 17.9 26.9

71 44.4 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.874 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

Tgt Ion: 70 Resp: 39822

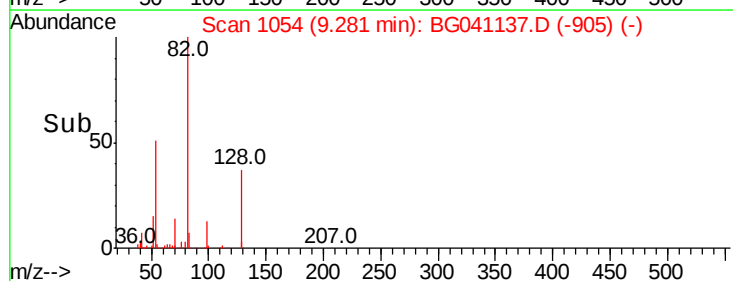
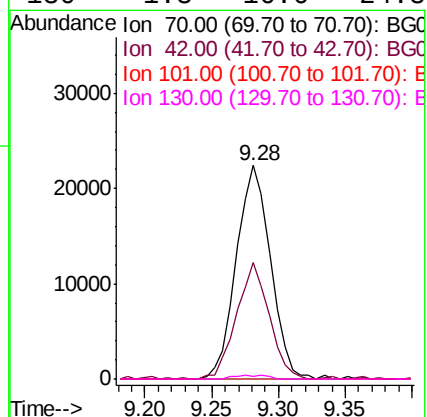
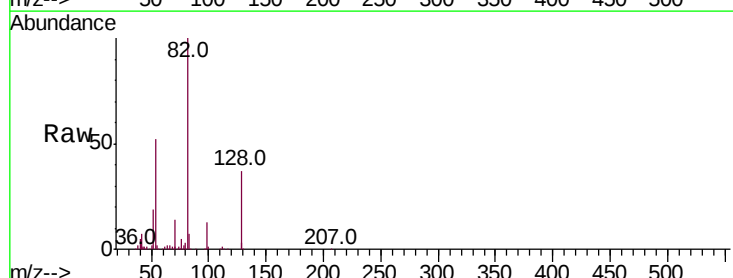
Ion Ratio Lower Upper

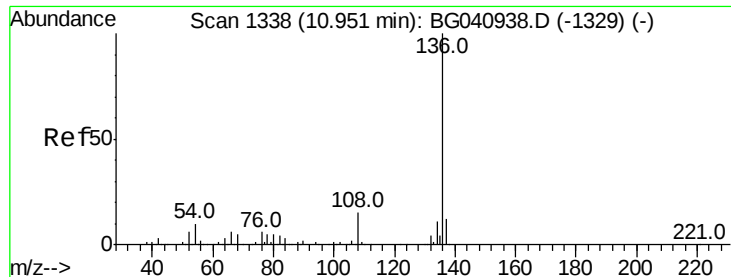
70 100

42 54.5 51.5 77.3

101 0.0 8.1 12.1#

130 1.3 16.6 24.8#

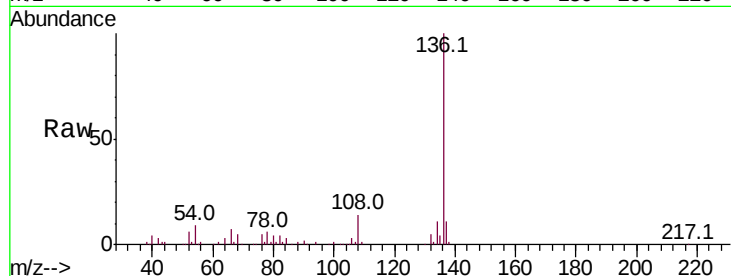




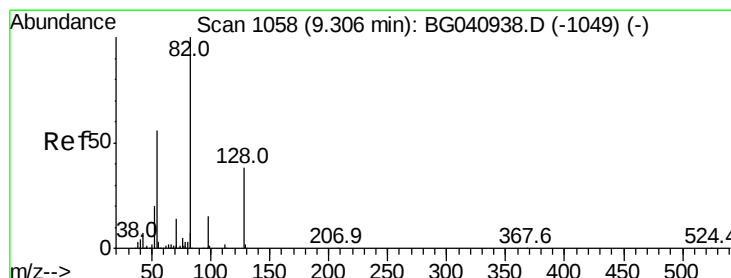
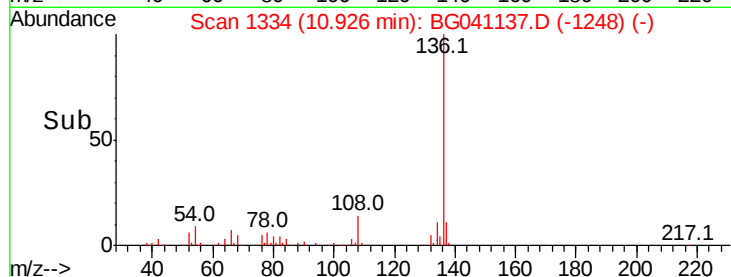
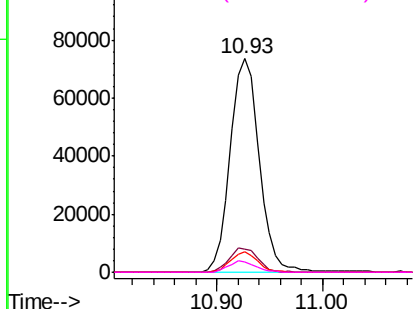
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 140050
Ion Ratio	Lower Upper
136 100	
137 11.1	9.5 14.3
54 9.4	7.6 11.4
68 5.0	3.9 5.9

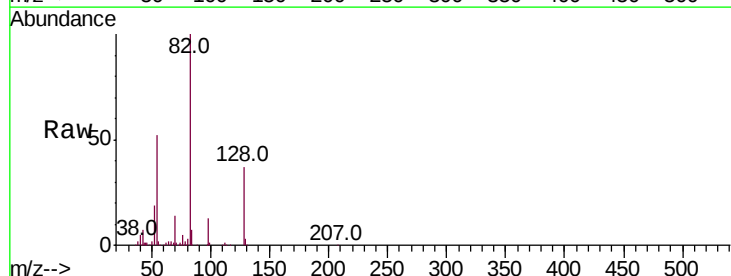


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

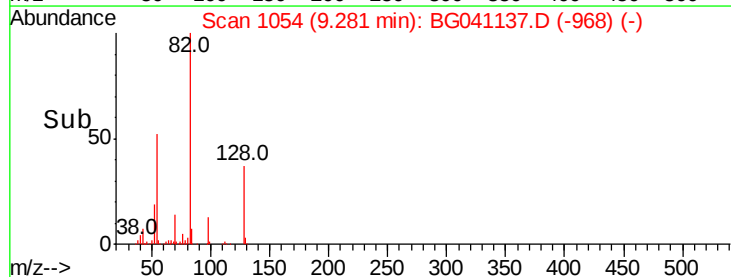
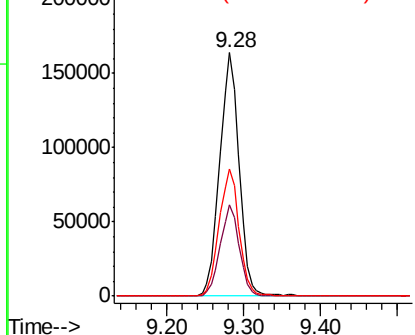


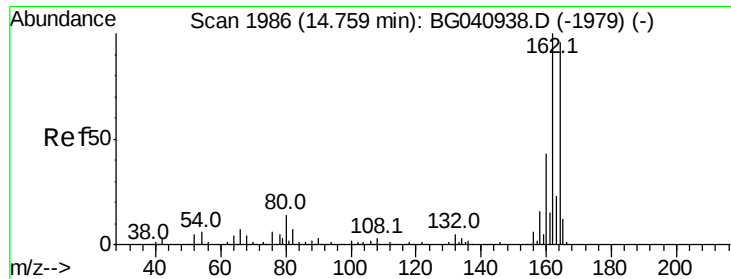
#23
Nitrobenzene-d5
Concen: 90.987 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Tgt Ion: 82	Resp: 287038
Ion Ratio	Lower Upper
82 100	
128 37.5	30.5 45.7
54 52.0	44.6 66.8



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.02 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

Instrument :

BNA_G

ClientSampleId :

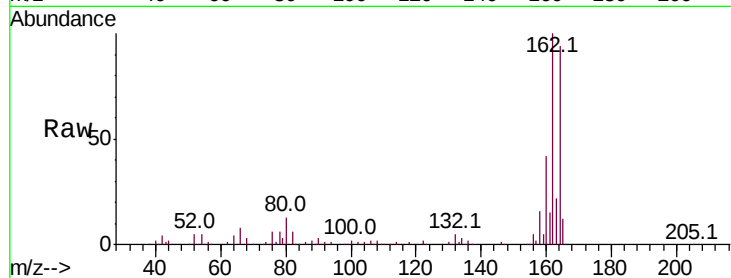
Tot Ion:164 Resp: 107983

Ion Ratio Lower Upper

164 100

162 106.7 83.0 124.4

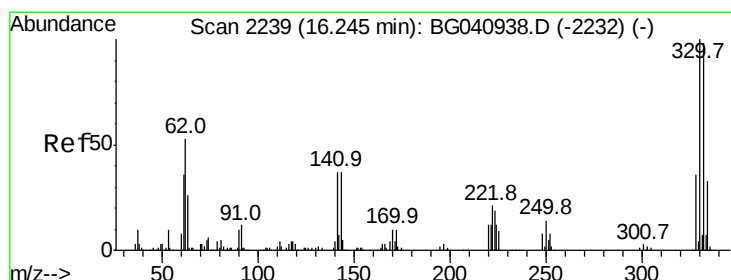
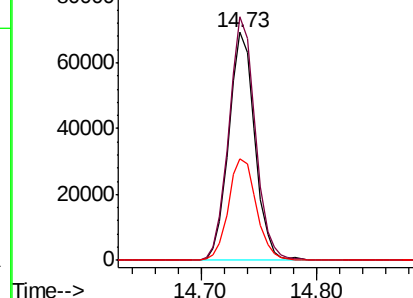
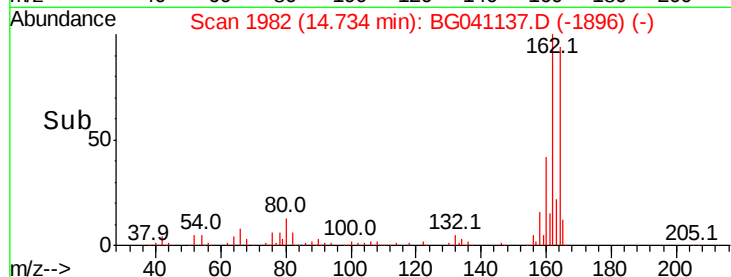
160 44.6 35.6 53.4



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: 122.617 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

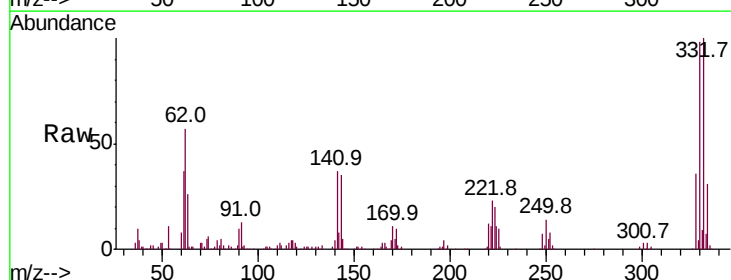
Tgt Ion:330 Resp: 196565

Ion Ratio Lower Upper

330 100

332 98.0 78.5 117.7

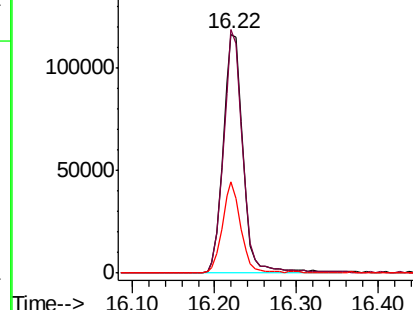
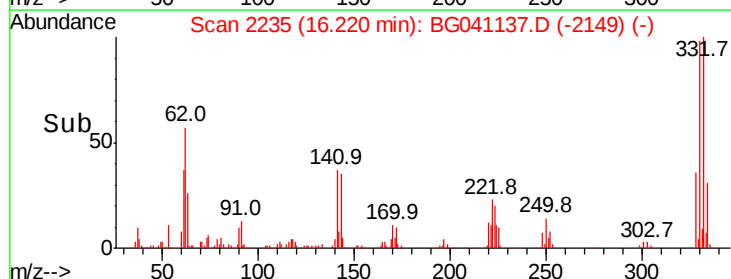
141 35.4 28.7 43.1

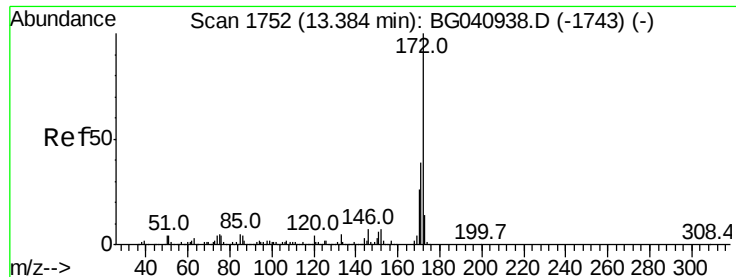


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

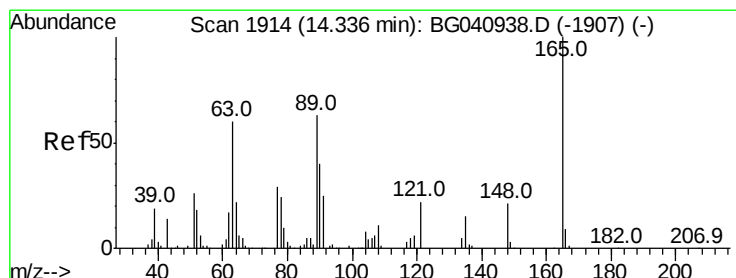
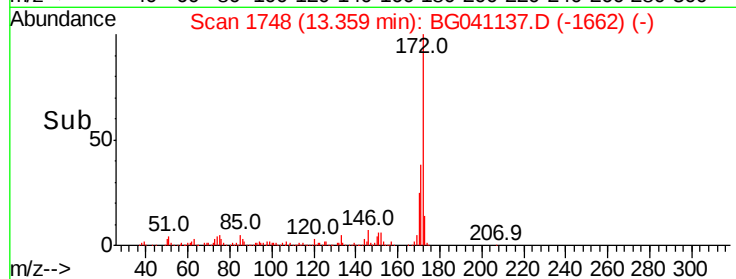
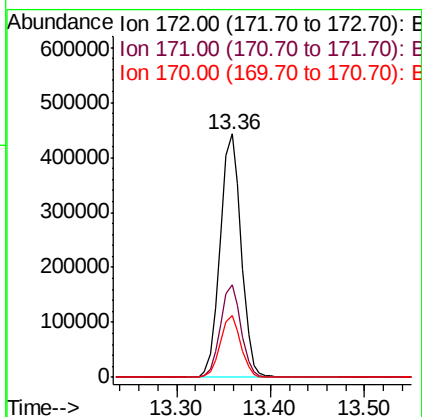
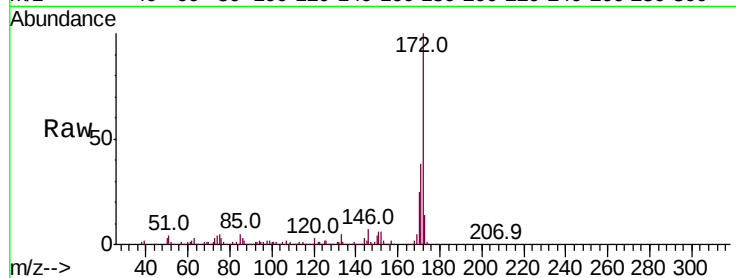




#45
2-Fluorobiphenyl
Concen: 91.931 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

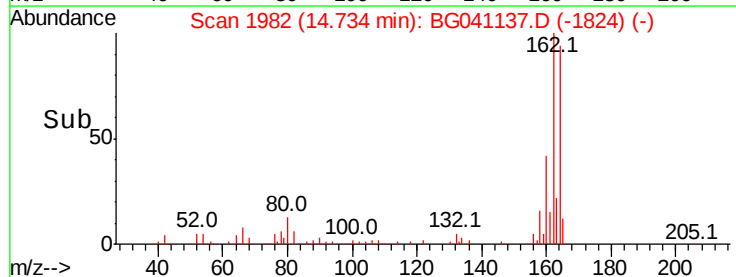
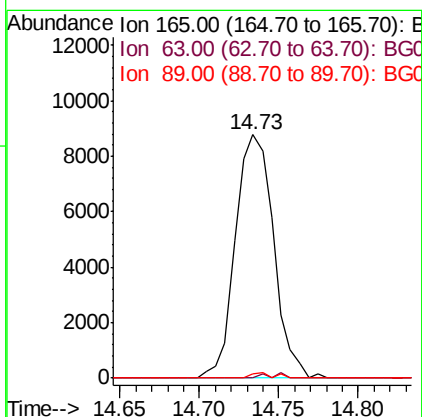
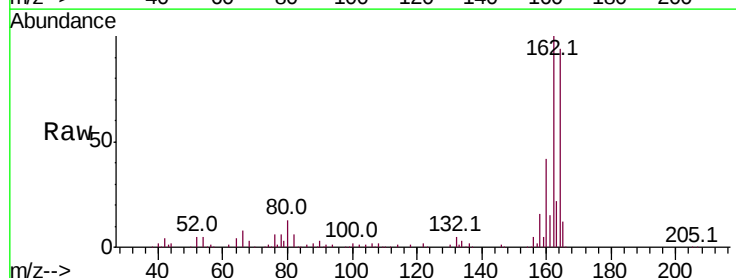
Instrument :
BNA_G
ClientSampled :

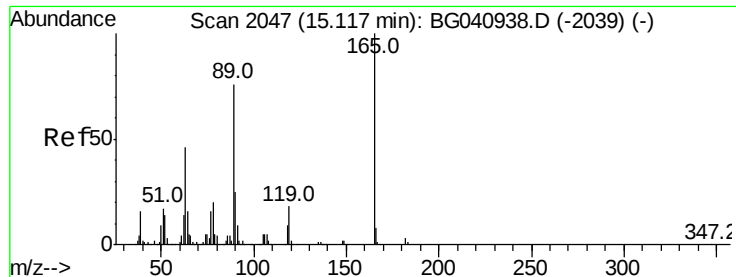
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.1	46.7
170	25.4	20.5	30.7



#51
2,6-Dinitrotoluene
Concen: 7.421 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.40 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	53.6	80.4#
89	1.9	50.4	75.6#

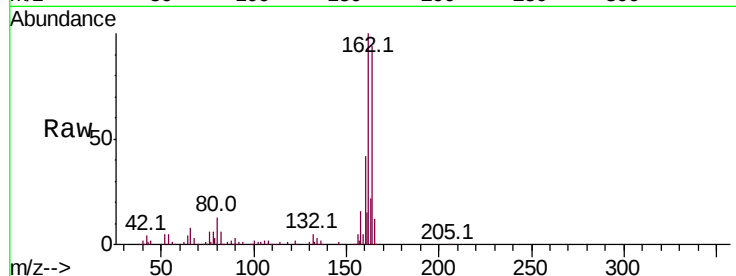




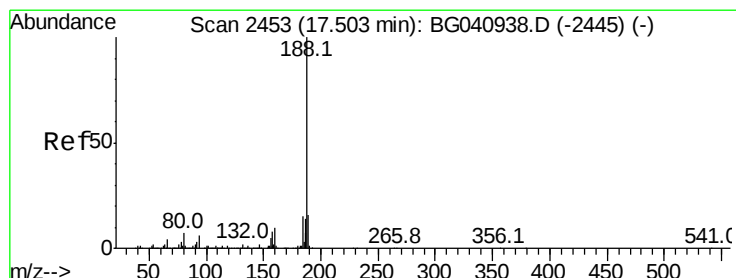
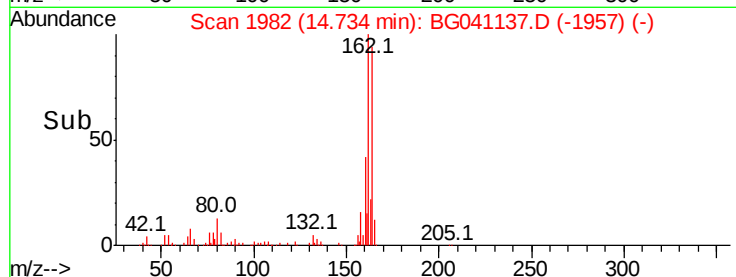
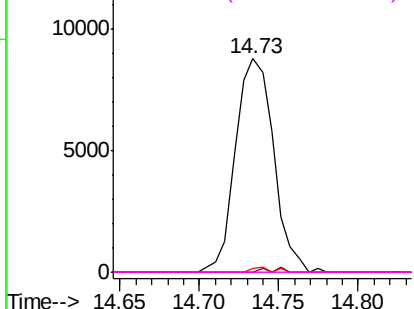
#57
 2,4-Dinitrotoluene
 Concen: 5.254 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.38 min
 Lab File: BG041137.D
 Acq: 8 Jun 2019 17:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14626
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 1.9 61.0 91.6#
 182 0.0 2.2 3.2#

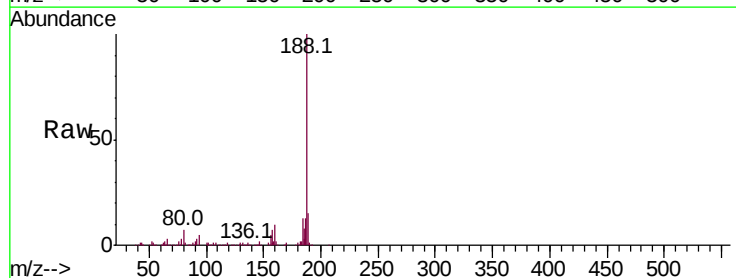


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

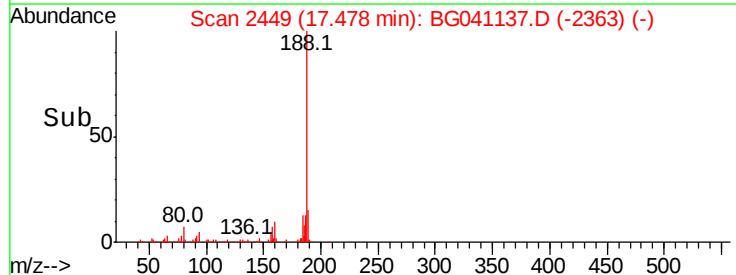
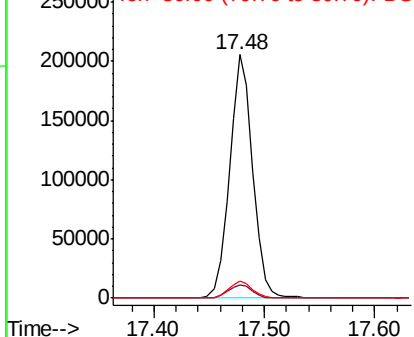


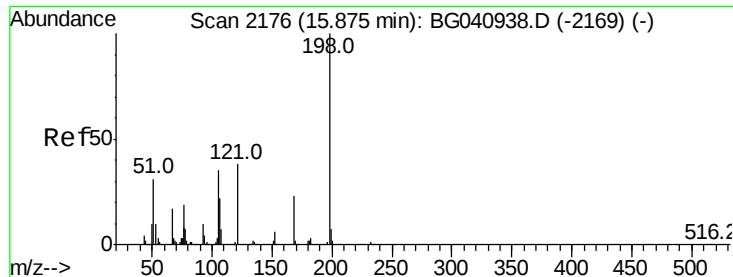
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BG041137.D
 Acq: 8 Jun 2019 17:25

Tgt Ion:188 Resp: 299196
 Ion Ratio Lower Upper
 188 100
 94 5.3 4.7 7.1
 80 7.2 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

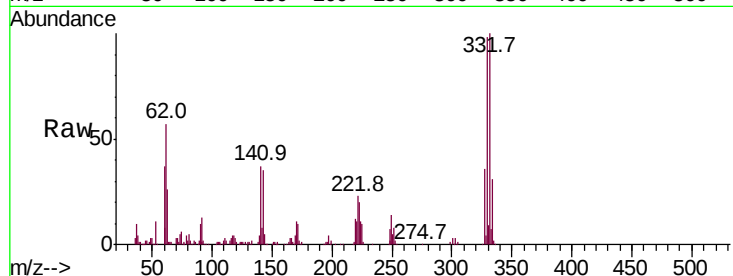




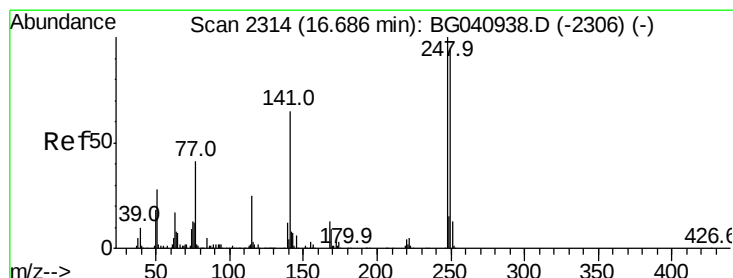
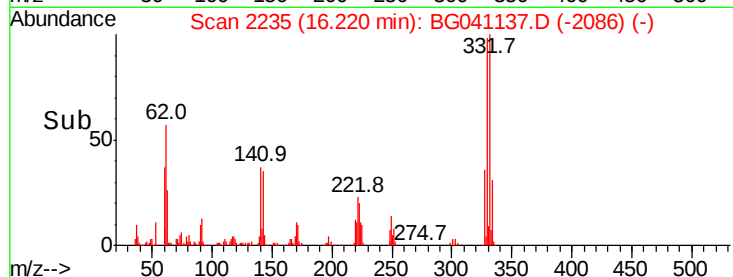
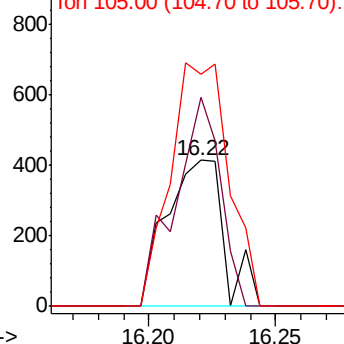
#65
4,6-Dinitro-2-methylphenol
Concen: 8.924 ng
RT: 16.22 min Scan# 2235
Delta R.T. 0.35 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 654
Ion Ratio Lower Upper
198 100
51 143.1 21.6 61.6#
105 159.3 17.5 57.5#

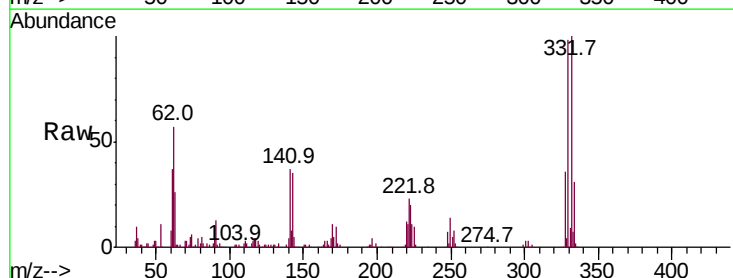


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

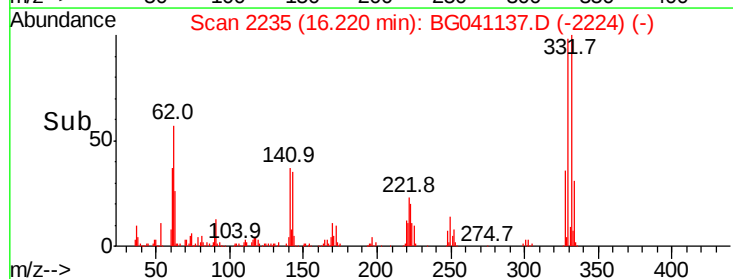
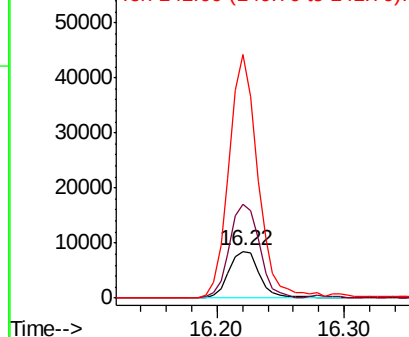


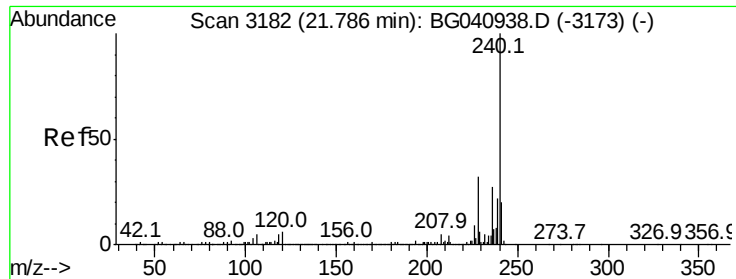
#67
4-Bromophenyl-phenylether
Concen: 3.522 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.47 min
Lab File: BG041137.D
Acq: 8 Jun 2019 17:25

Tgt Ion:248 Resp: 14222
Ion Ratio Lower Upper
248 100
250 199.7 75.0 112.4#
141 517.5 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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

Instrument :

BNA_G

ClientSampleId :

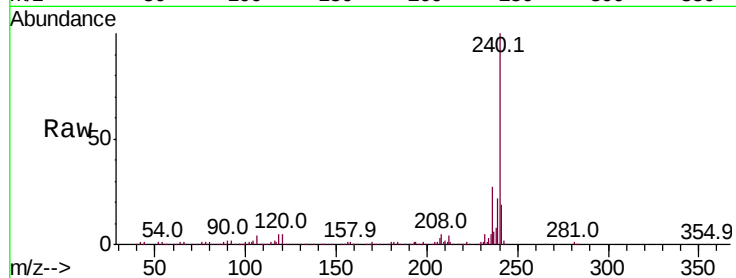
Tot Ion:240 Resp: 313825

Ion Ratio Lower Upper

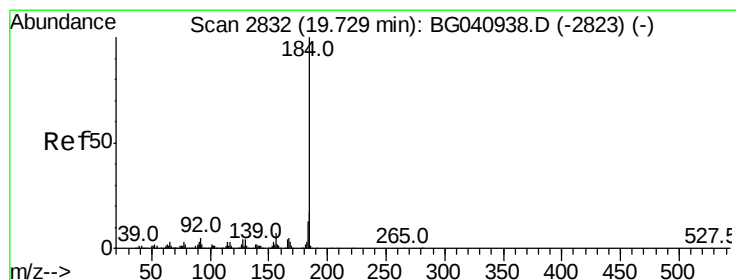
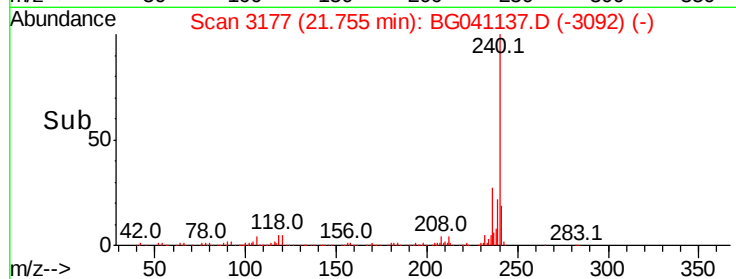
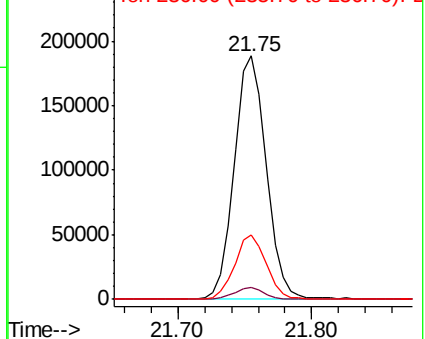
240 100

120 5.1 4.5 6.7

236 26.6 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: 3.074 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.35 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

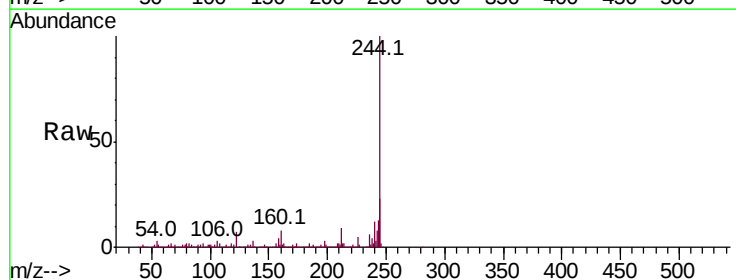
Tgt Ion:184 Resp: 23011

Ion Ratio Lower Upper

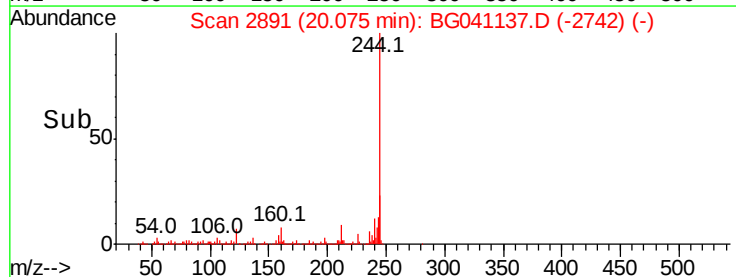
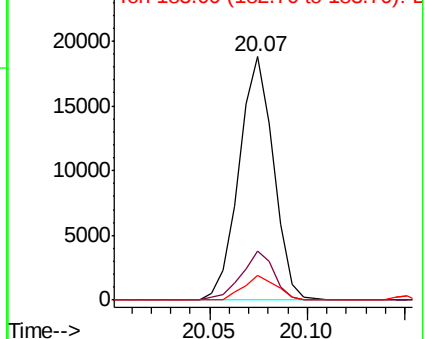
184 100

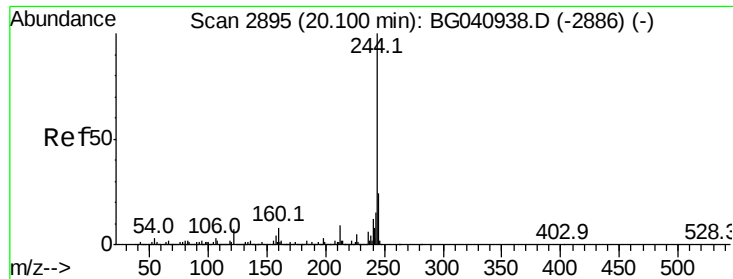
185 20.2 13.3 19.9#

183 10.1 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: 95.551 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

Instrument :

BNA_G

ClientSampleId :

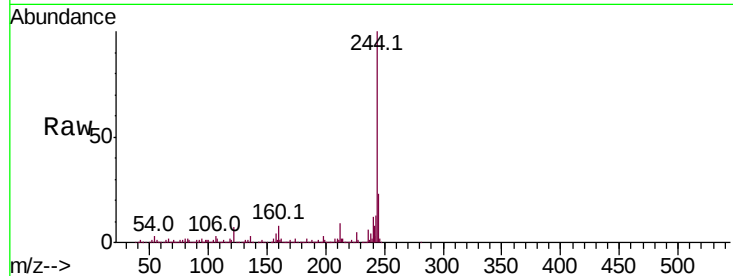
Tot Ion:244 Resp: 1412885

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

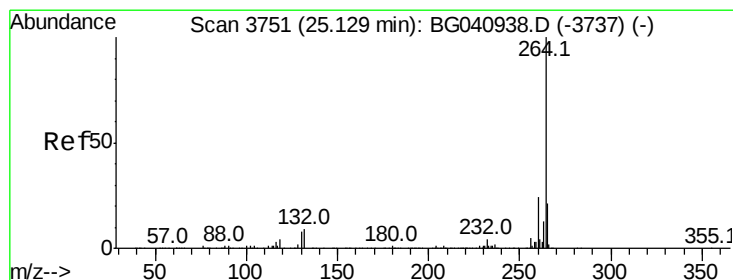
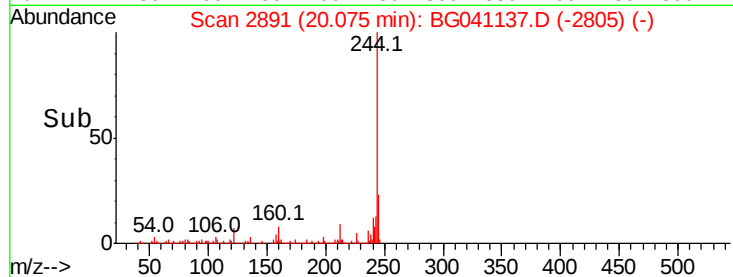
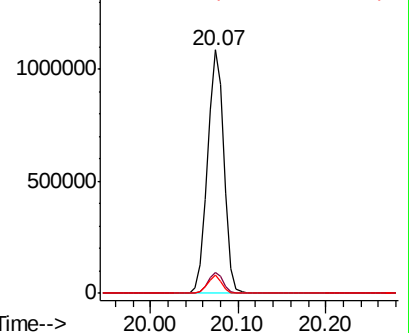
122 7.3 5.4 8.0



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: 25.07 min Scan# 3742

Delta R.T. -0.05 min

Lab File: BG041137.D

Acq: 8 Jun 2019 17:25

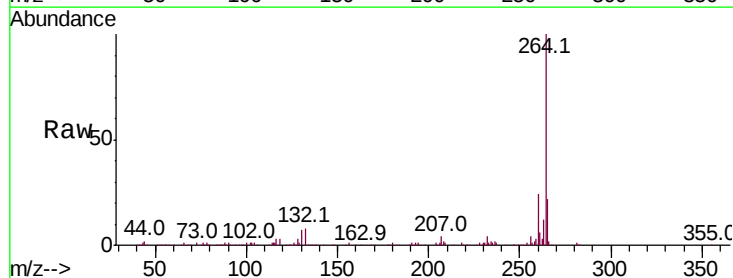
Tgt Ion:264 Resp: 329682

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.3 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

