

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041141.D
 Acq On : 8 Jun 2019 19:57
 Operator : HP/JU
 Sample : K3246-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 23:02:22 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

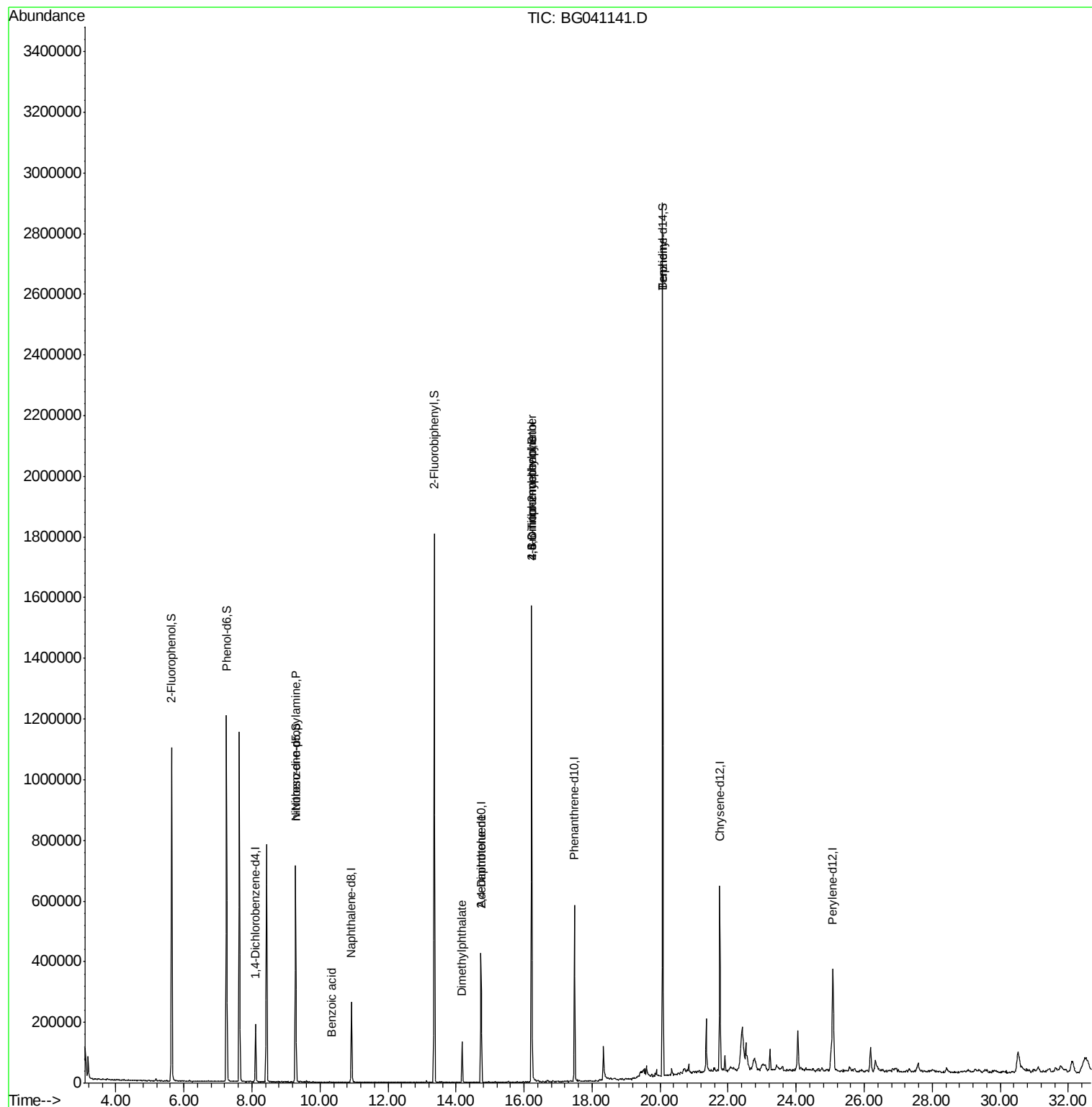
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51439	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	214862	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	154811	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	364835	20.00	ng	-0.03
76) Chrysene-d12	21.75	240	364039	20.00	ng	-0.03
87) Perylene-d12	25.07	264	383200	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	425774	149.26	ng	-0.02
7) Phenol-d6	7.25	99	641189	145.54	ng	-0.01
23) Nitrobenzene-d5	9.28	82	435499	89.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.23	330	300662	130.82	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	909571	84.61	ng	-0.03
79) Terphenyl-d14	20.07	244	1321039	77.02	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	63156	18.628	ng	# 73
32) Benzoic acid	10.36	122	54	8.147	ng	# 1
50) Dimethylphthalate	14.18	163	85894	6.554	ng	# 99
57) 2,4-Dinitrotoluene	14.73	165	19643	4.922	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	984	9.003	ng	# 31
67) 4-Bromophenyl-phenylether	16.23	248	22329	4.535	ng	# 1
77) Benzidine	20.07	184	22137	2.549	ng	# 94

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

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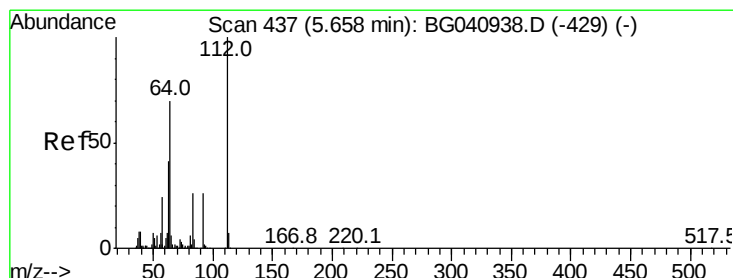
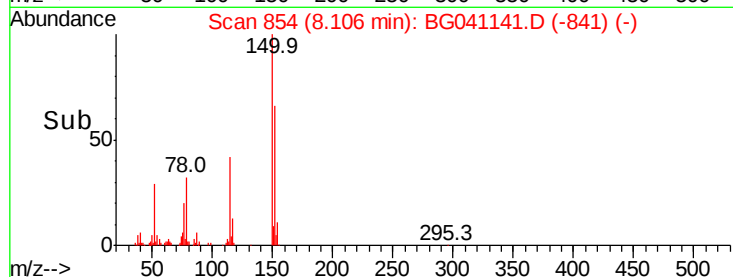
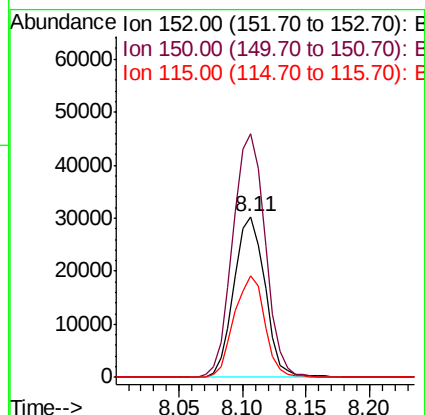
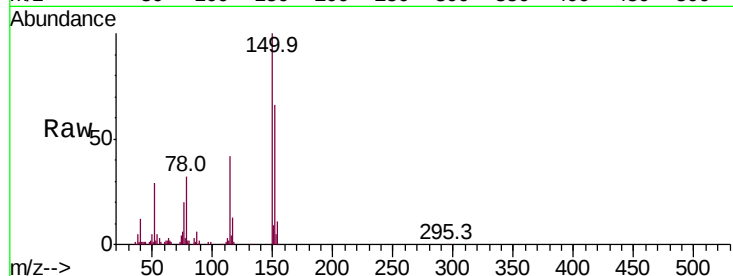


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041141.D
Acq: 8 Jun 2019 19:57

Instrument :
BNA_G
ClientSampleId :

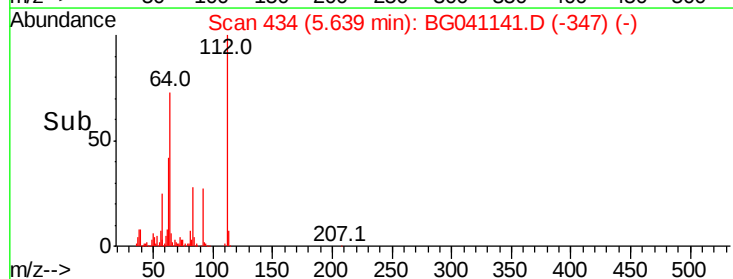
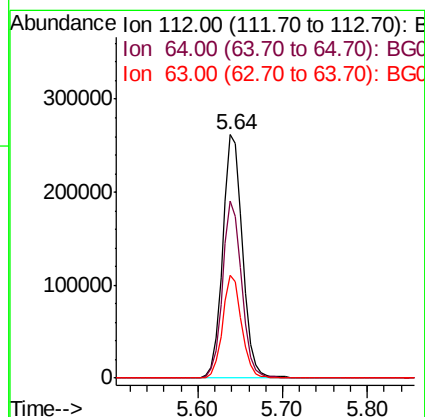
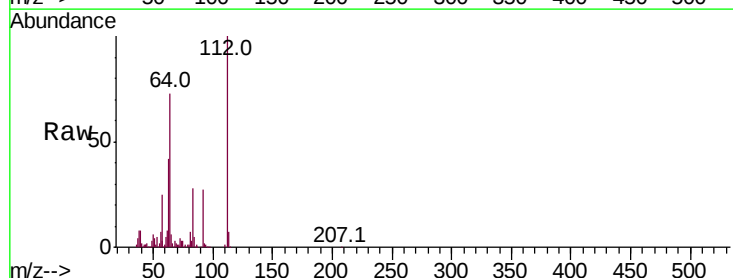
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	120.6	180.8
115	63.5	45.1	67.7

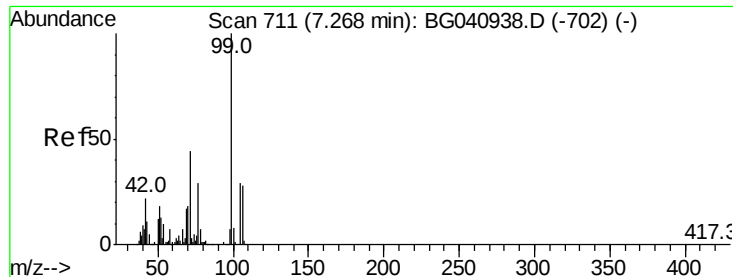


#5

2-Fluorophenol
Concen: 149.256 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041141.D
Acq: 8 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	56.2	84.2
63	42.1	32.8	49.2





#7

Phenol-d6

Concen: 145.540 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampled :

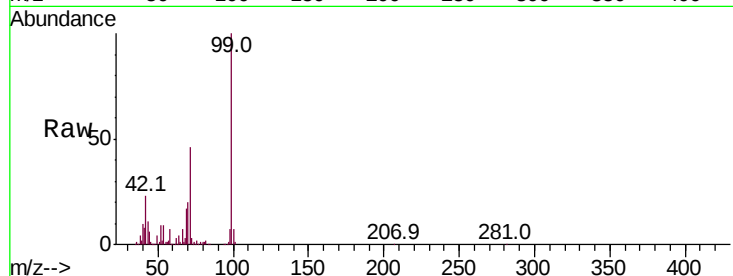
Tot Ion: 99 Resp: 641189

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

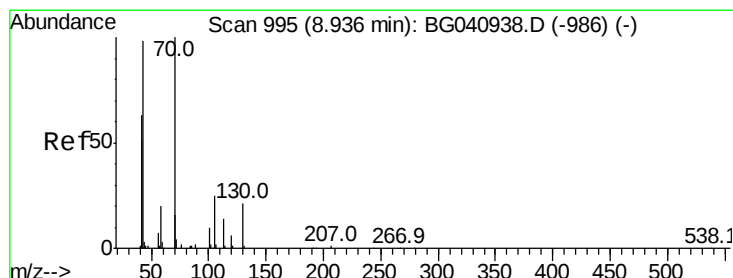
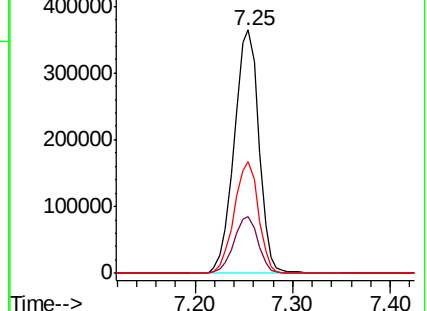
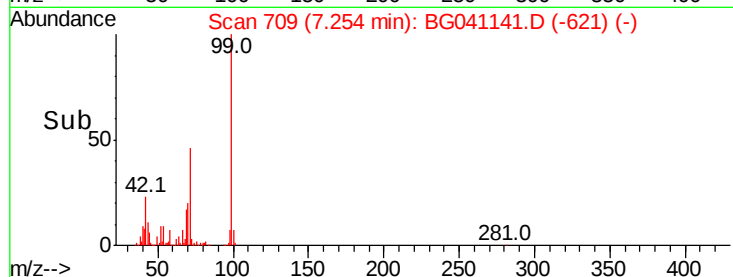
71 45.7 35.4 53.0



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: 18.628 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Tgt Ion: 70 Resp: 63156

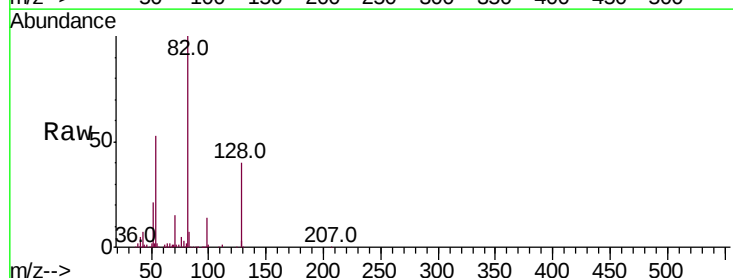
Ion Ratio Lower Upper

70 100

42 46.9 51.5 77.3#

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#

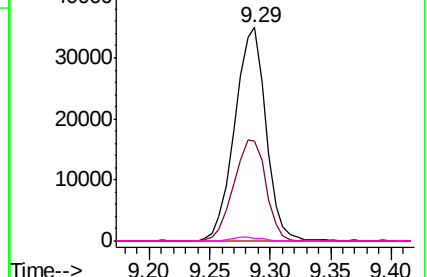
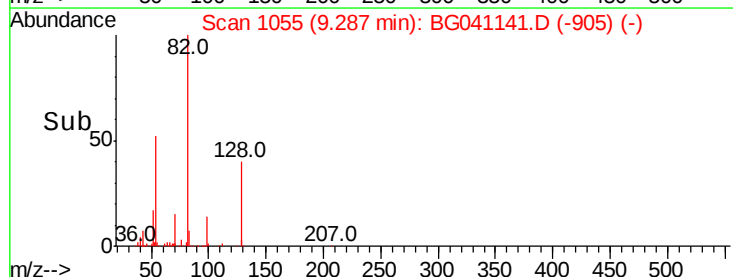


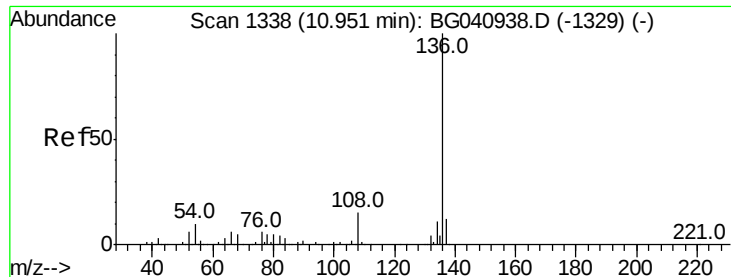
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

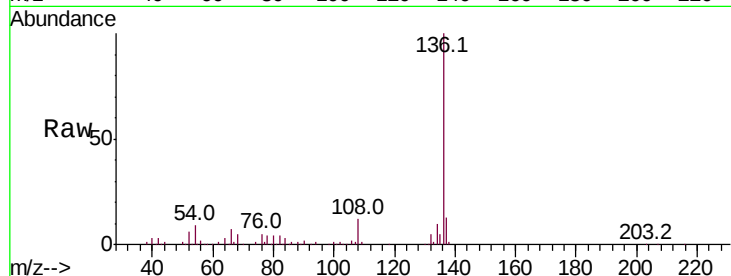




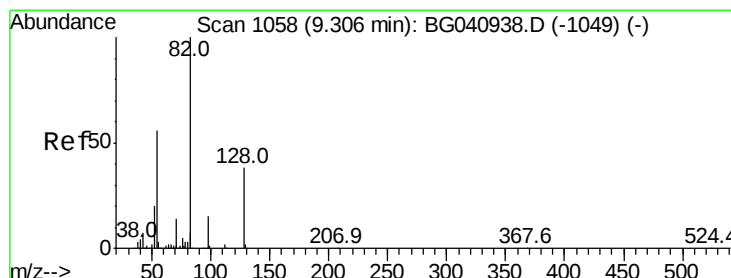
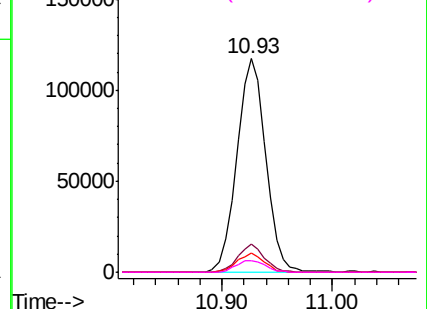
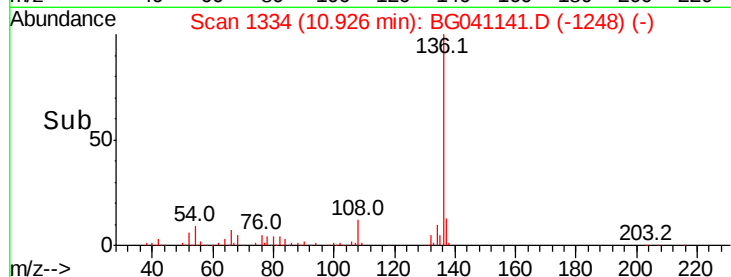
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041141.D
Acq: 8 Jun 2019 19:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	214862
Ion Ratio	Lower	Upper
136	100	
137	12.9	9.5 14.3
54	8.9	7.6 11.4
68	5.4	3.9 5.9

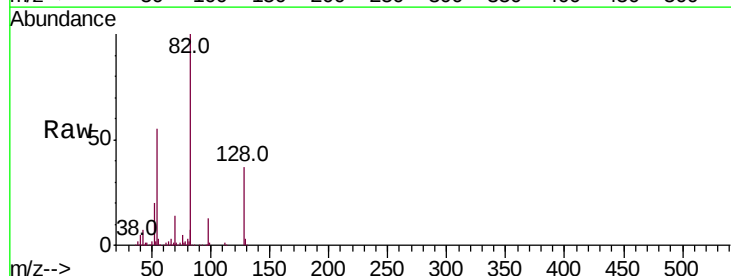


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

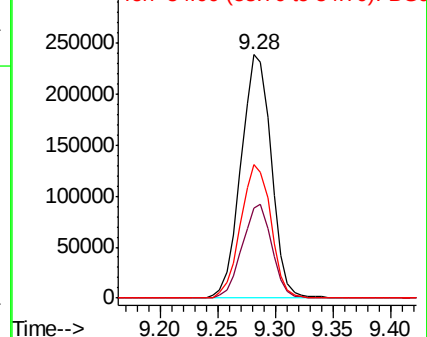
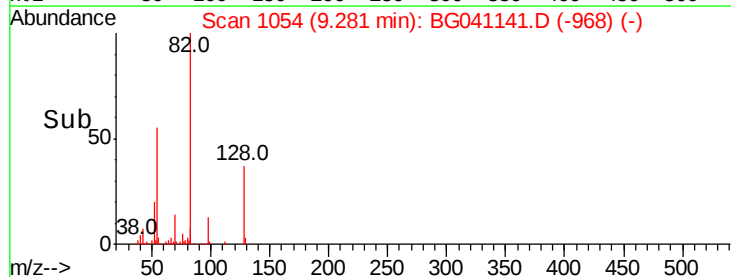


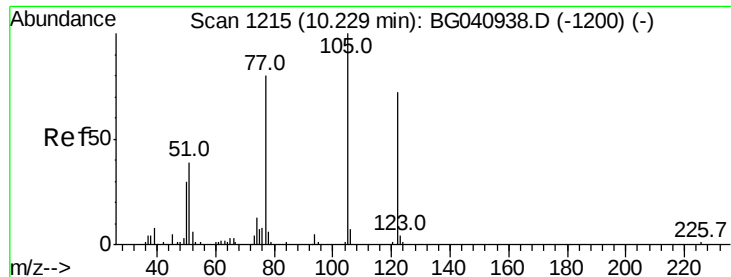
#23
Nitrobenzene-d5
Concen: 89.980 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG041141.D
Acq: 8 Jun 2019 19:57

Tgt Ion: 82	Resp:	435499
Ion Ratio	Lower	Upper
82	100	
128	36.8	30.5 45.7
54	54.8	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





#32

Benzoic acid

Concen: 8.147 ng

RT: 10.36 min Scan# 1238

Delta R.T. 0.13 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampleId :

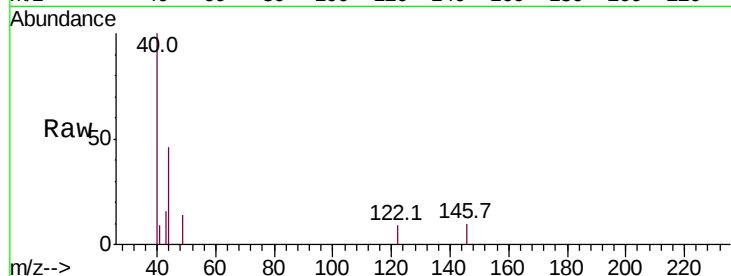
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

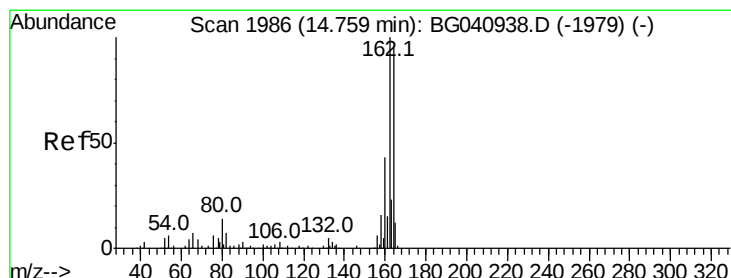
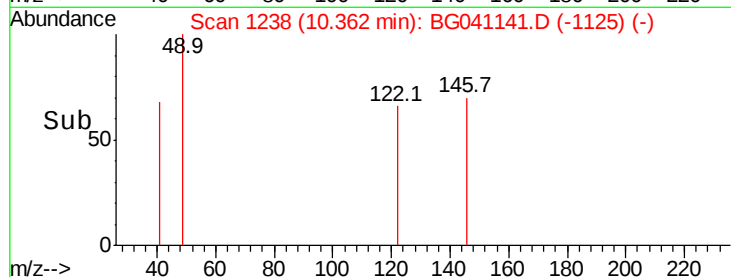
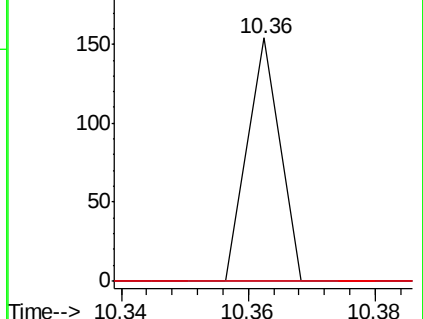
77 0.0 89.9 129.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

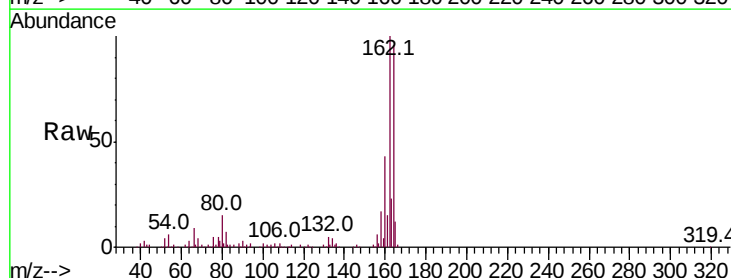
Tgt Ion:164 Resp: 154811

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

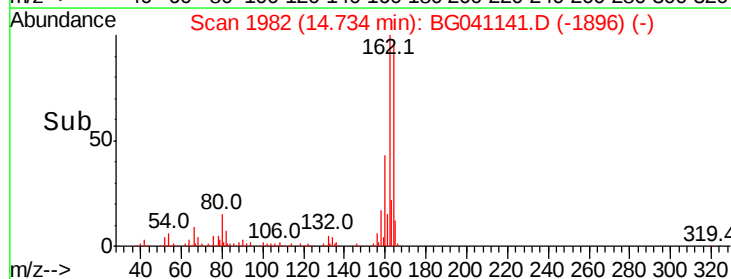
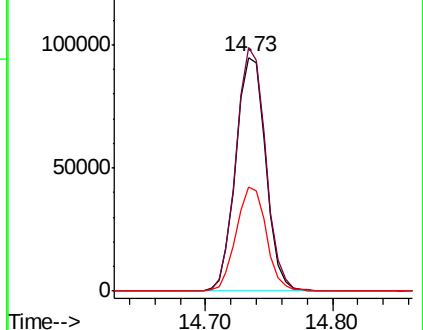
160 44.7 35.6 53.4

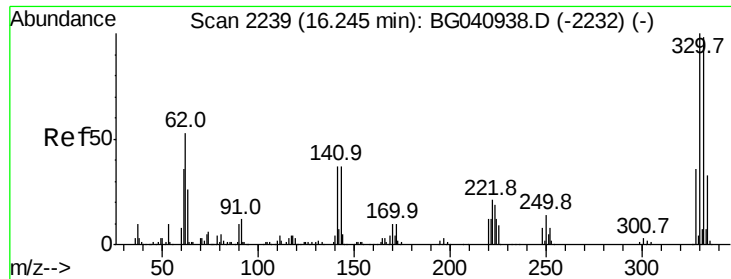


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 130.821 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampled :

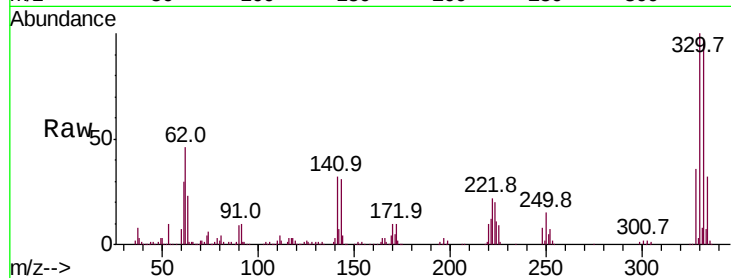
Tot Ion:330 Resp: 300662

Ion Ratio Lower Upper

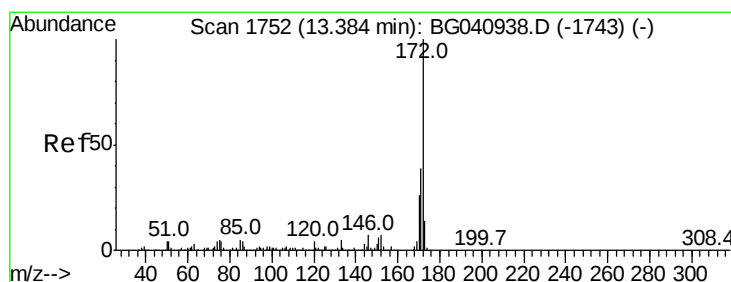
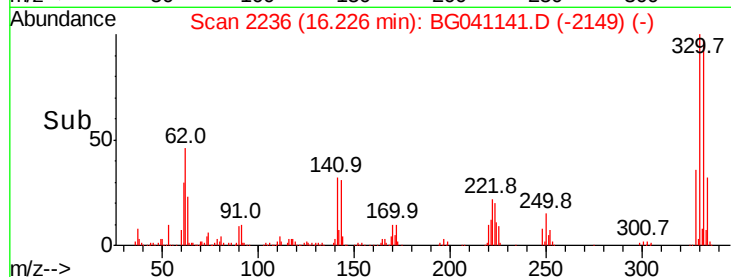
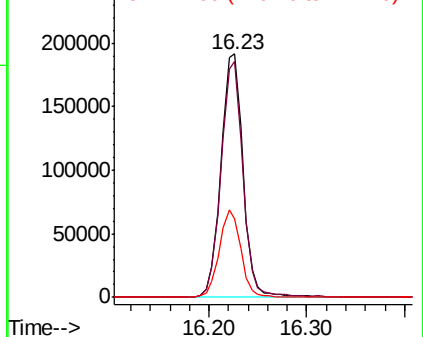
330 100

332 95.7 78.5 117.7

141 35.0 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: 84.612 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.03 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

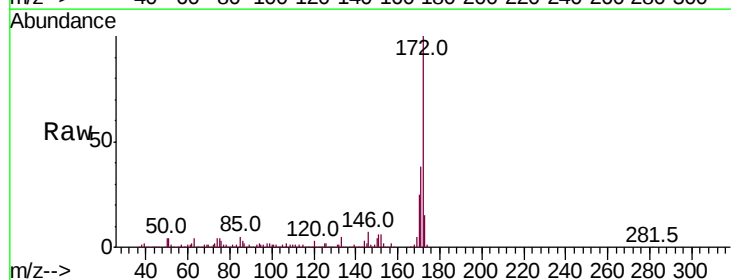
Tgt Ion:172 Resp: 909571

Ion Ratio Lower Upper

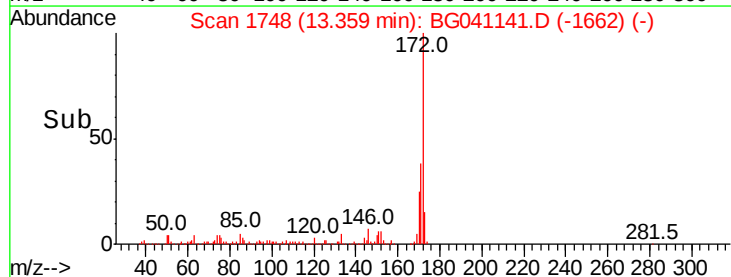
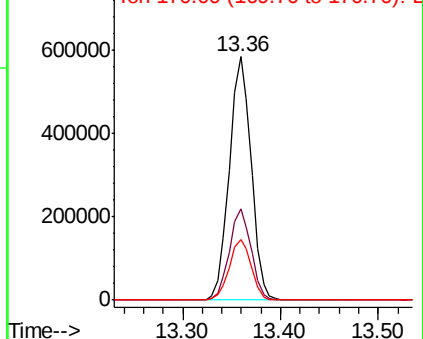
172 100

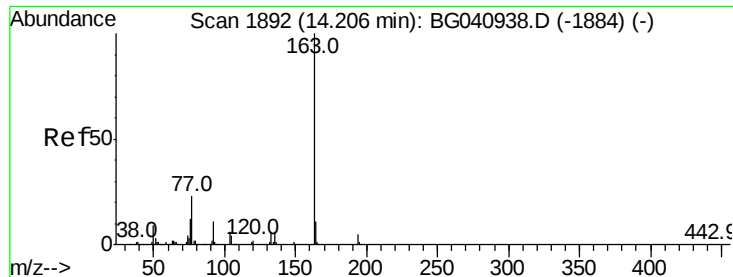
171 37.7 31.1 46.7

170 25.0 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: 6.554 ng

RT: 14.18 min Scan# 1887

Delta R.T. -0.03 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampleId :

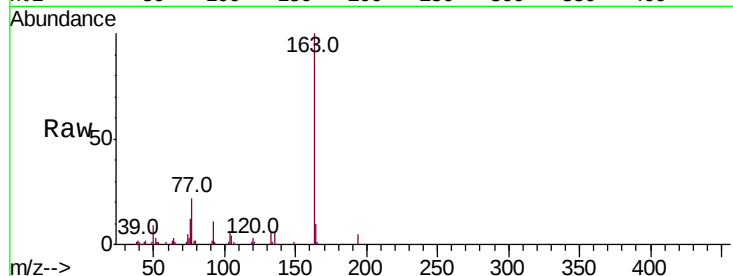
Tot Ion:163 Resp: 85894

Ion Ratio Lower Upper

163 100

194 5.0 3.8 5.8

164 10.5 8.7 13.1

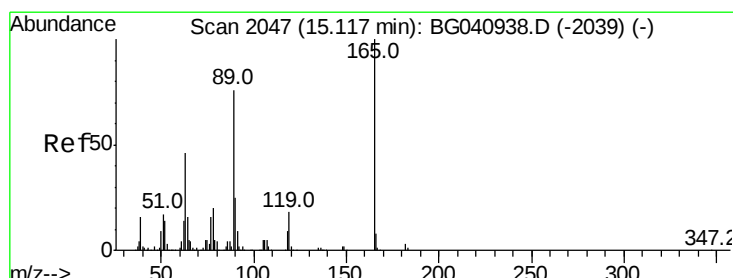
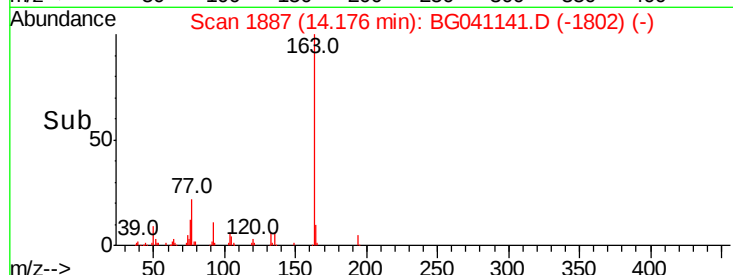
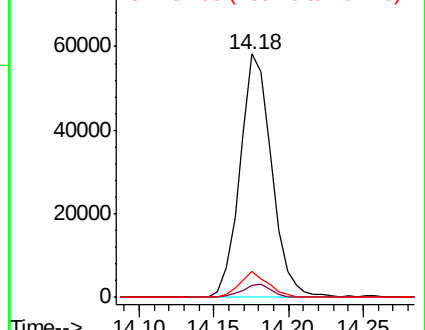


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 4.922 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.38 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Tgt Ion:165 Resp: 19643

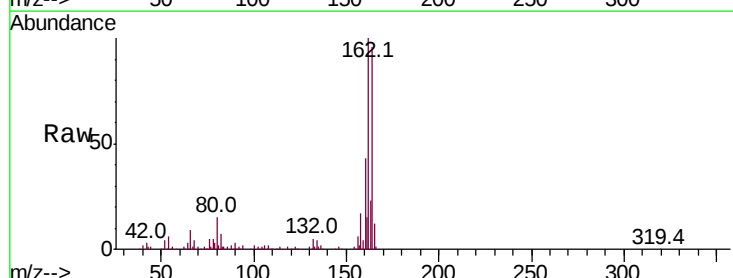
Ion Ratio Lower Upper

165 100

63 1.8 37.3 55.9#

89 2.4 61.0 91.6#

182 0.0 2.2 3.2#



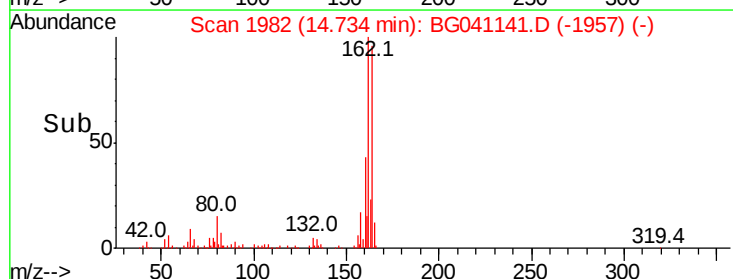
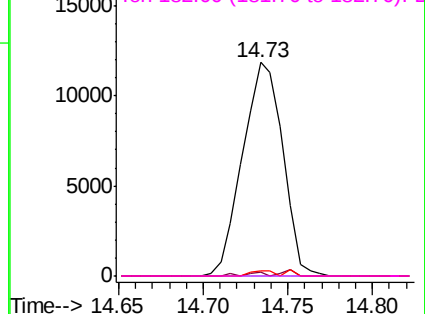
Abundance

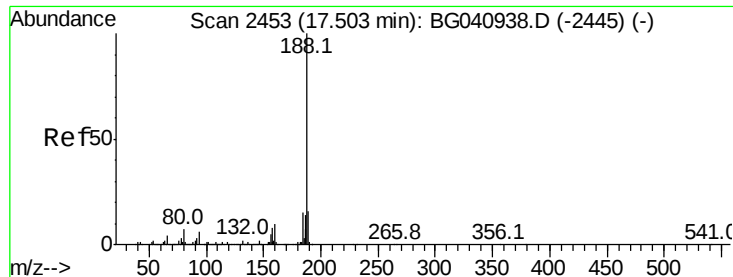
Ion 165.00 (164.70 to 165.70): E

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: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampleId :

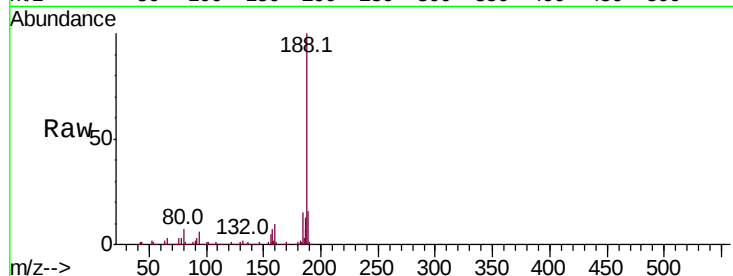
Tot Ion:188 Resp: 364835

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

80 7.3 5.8 8.8

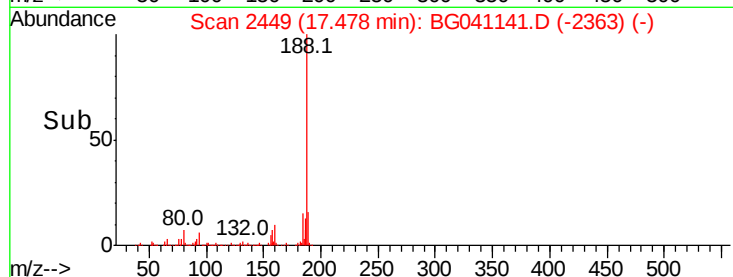


Abundance Ion 188.00 (187.70 to 188.70): E

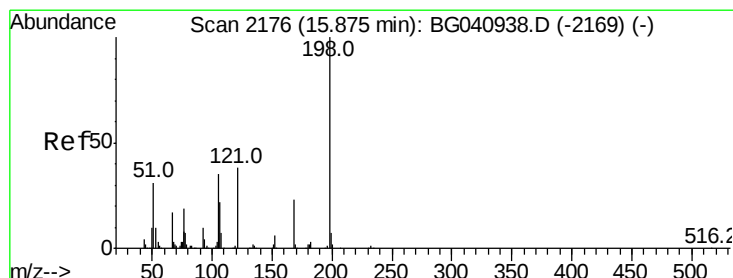
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.48



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 9.003 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

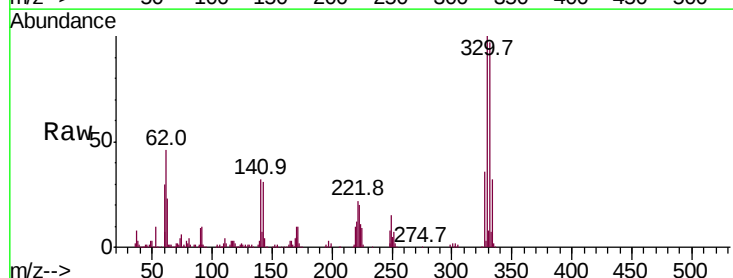
Tgt Ion:198 Resp: 984

Ion Ratio Lower Upper

198 100

51 49.2 21.6 61.6

105 117.1 17.5 57.5#

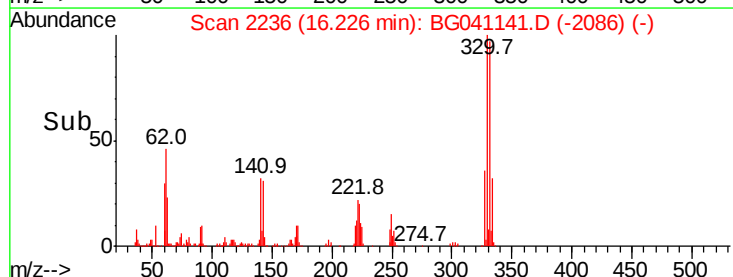


Abundance Ion 198.00 (197.70 to 198.70): E

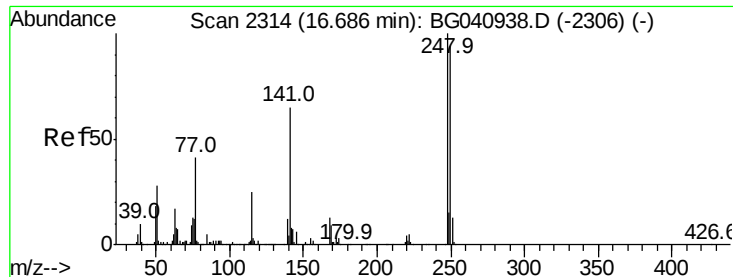
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

16.23



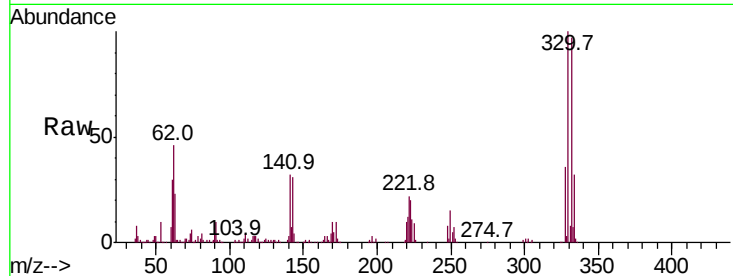
Time-->



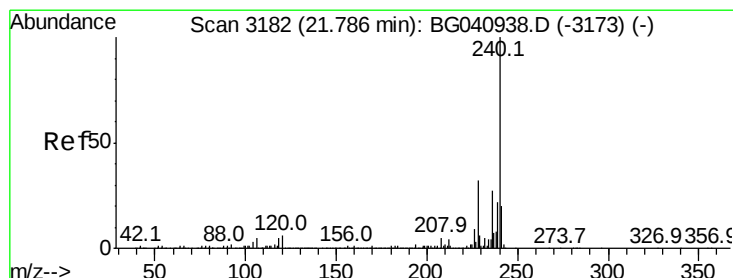
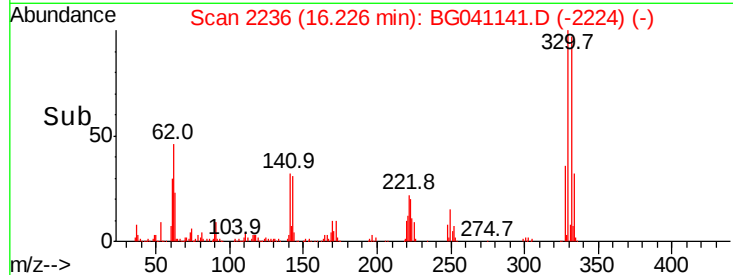
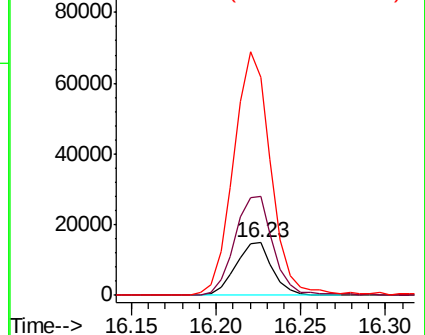
#67
 4-Bromophenyl-phenylether
 Concen: 4.535 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.46 min
 Lab File: BG041141.D
 Acq: 8 Jun 2019 19:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 22329
 Ion Ratio Lower Upper
 248 100
 250 187.9 75.0 112.4#
 141 417.2 52.4 78.6#

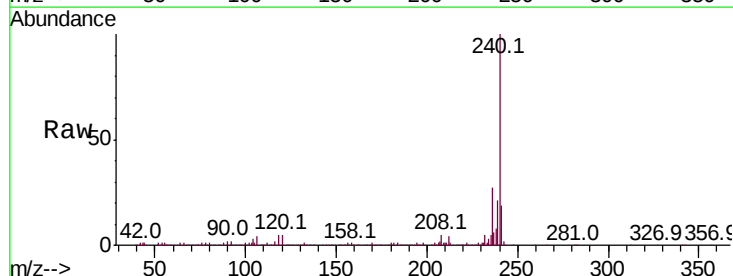


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

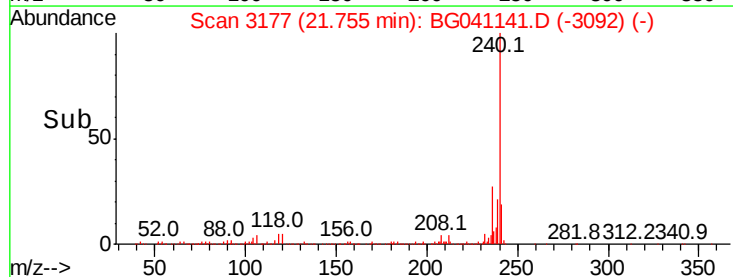
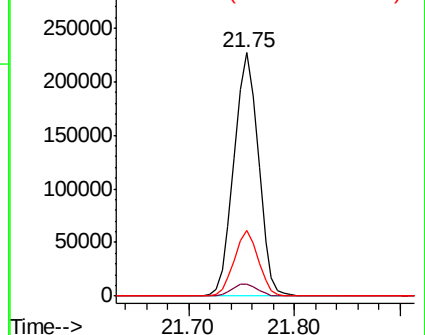


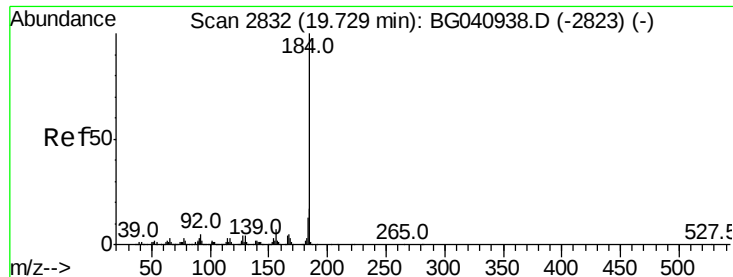
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.03 min
 Lab File: BG041141.D
 Acq: 8 Jun 2019 19:57

Tgt Ion:240 Resp: 364039
 Ion Ratio Lower Upper
 240 100
 120 5.1 4.5 6.7
 236 26.7 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: 2.549 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.35 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampleId :

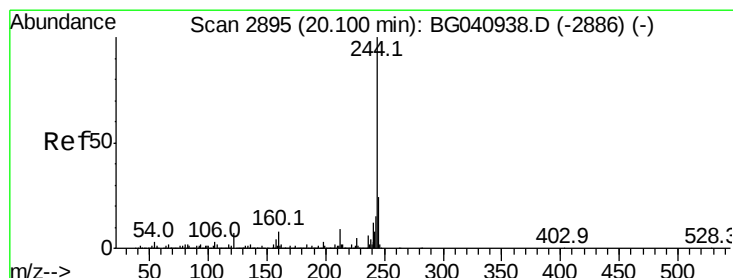
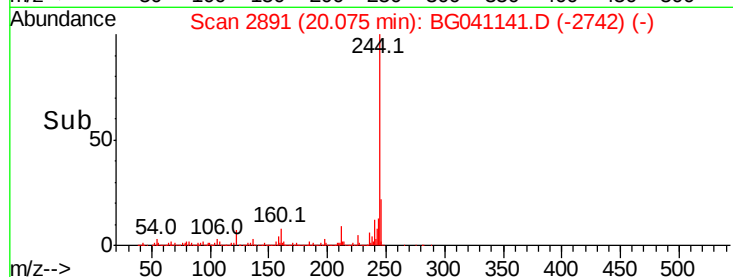
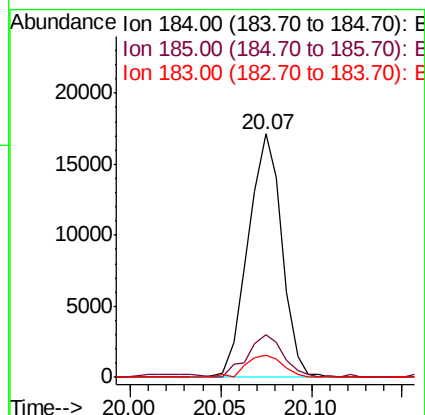
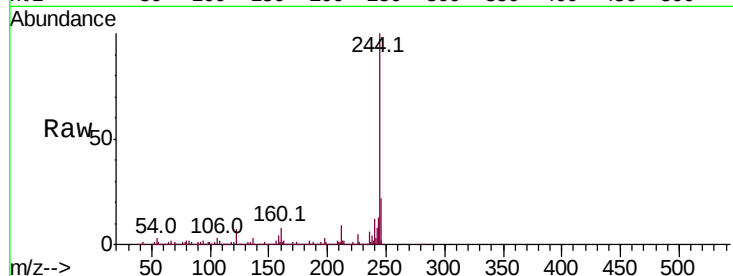
Tot Ion:184 Resp: 22137

Ion Ratio Lower Upper

184 100

185 17.6 13.3 19.9

183 9.0 10.7 16.1#



#79

Terphenyl-d14

Concen: 77.016 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

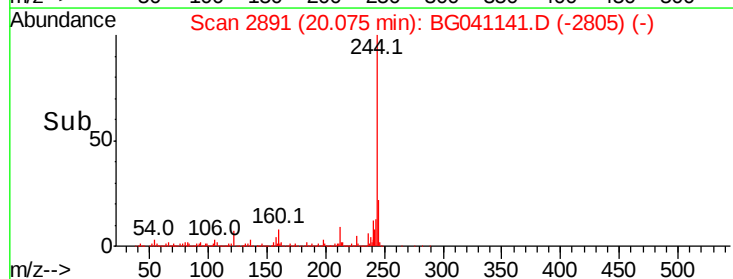
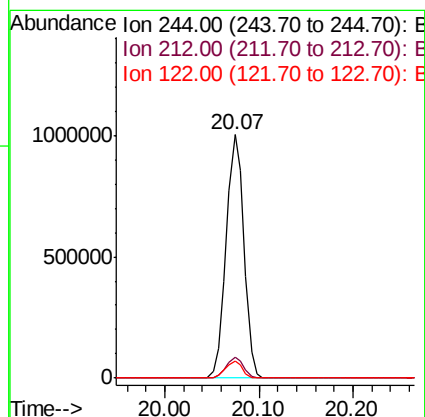
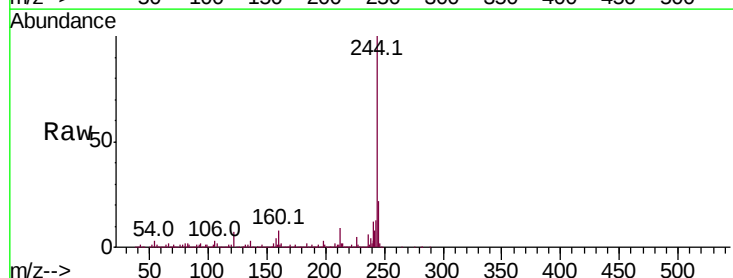
Tgt Ion:244 Resp: 1321039

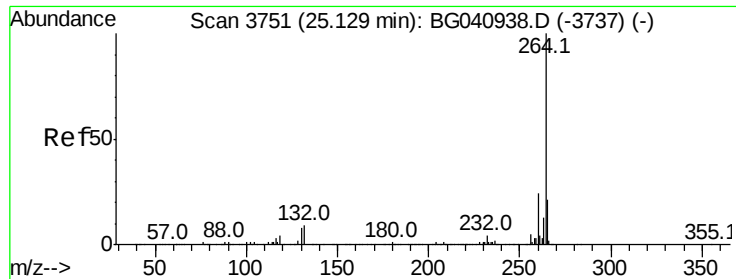
Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

122 7.2 5.4 8.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3742

Delta R.T. -0.05 min

Lab File: BG041141.D

Acq: 8 Jun 2019 19:57

Instrument :

BNA_G

ClientSampleId :

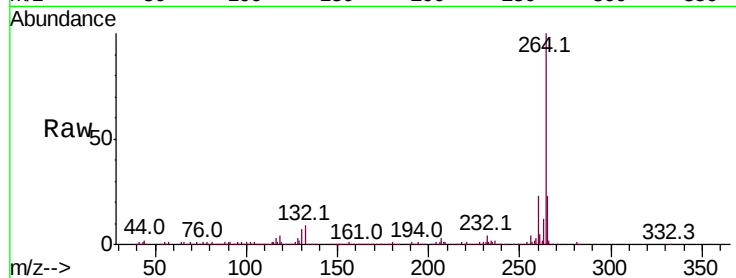
Tot Ion:264 Resp: 383200

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.4

265 22.8 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

