

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041428.D
 Acq On : 24 Jun 2019 19:20
 Operator : HP/JU
 Sample : K3486-02
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Quant Time: Jun 25 05:08:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

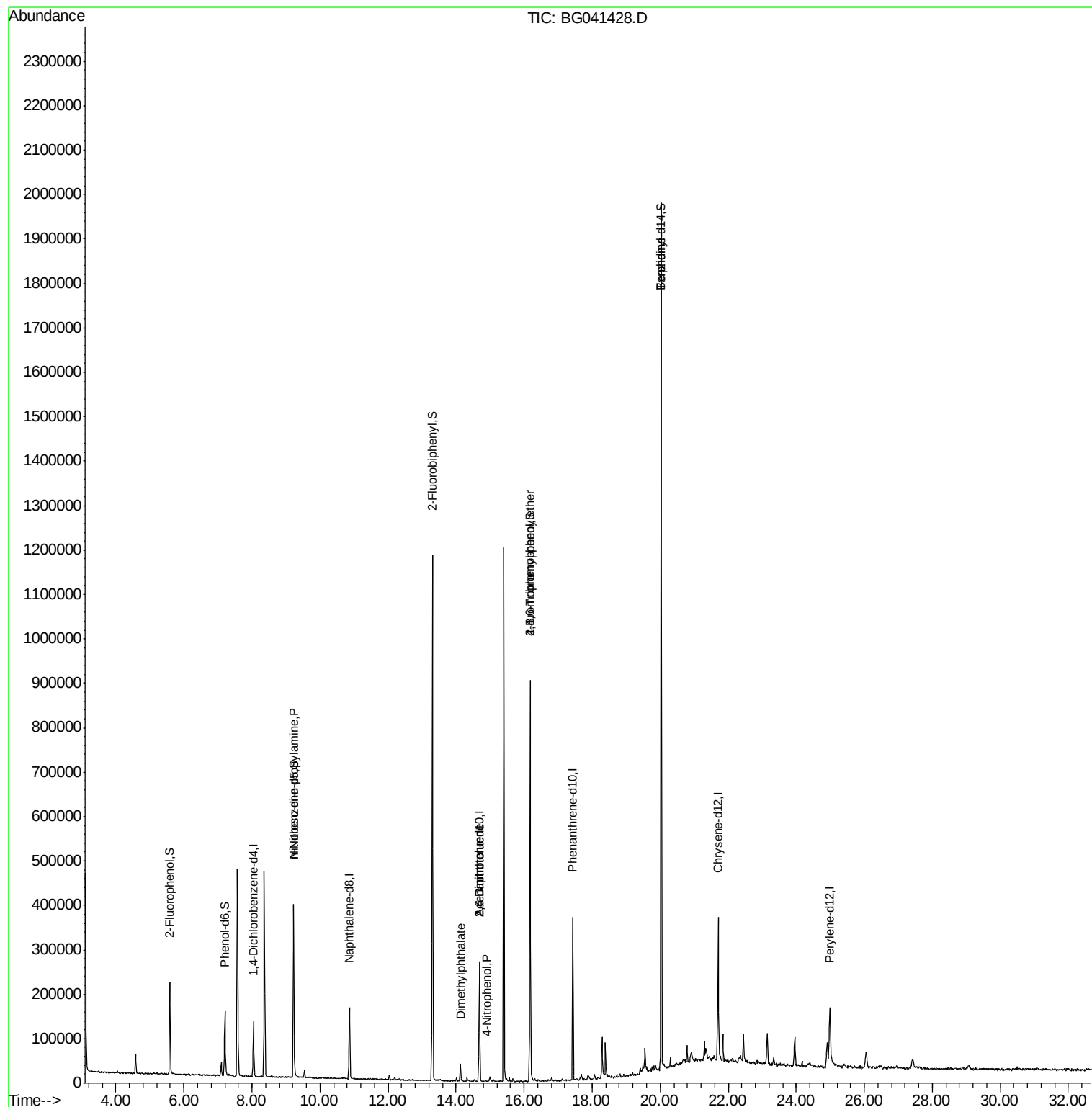
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	34968	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	138034	20.00	ng	-0.04
39) Acenaphthene-d10	14.69	164	95903	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	226260	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	221734	20.00	ng	-0.04
87) Perylene-d12	24.99	264	173538	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	89804	47.19	ng	-0.03
7) Phenol-d6	7.20	99	80452	29.16	ng	-0.03
23) Nitrobenzene-d5	9.22	82	244868	74.61	ng	-0.04
42) 2,4,6-Tribromophenol	16.18	330	174085	118.24	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	593689	84.14	ng	-0.03
79) Terphenyl-d14	20.03	244	968863	86.59	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	34658	15.534	ng	# 72
50) Dimethylphthalate	14.13	163	26717	3.131	ng	# 97
51) 2,6-Dinitrotoluene	14.69	165	13379	7.436	ng	# 17
56) 4-Nitrophenol	14.89	139	63	3.261	ng	# 29
57) 2,4-Dinitrotoluene	14.69	165	13379	5.087	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	12468	4.262	ng	# 1
77) Benzidine	20.03	184	16507	3.078	ng	# 94

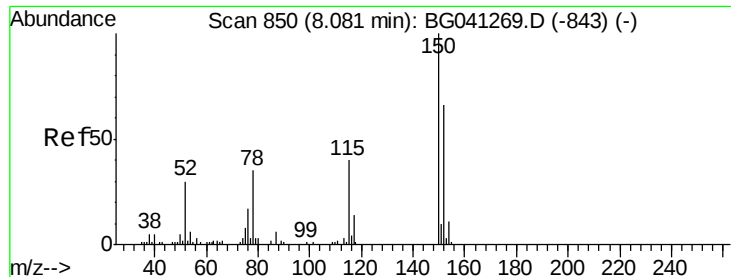
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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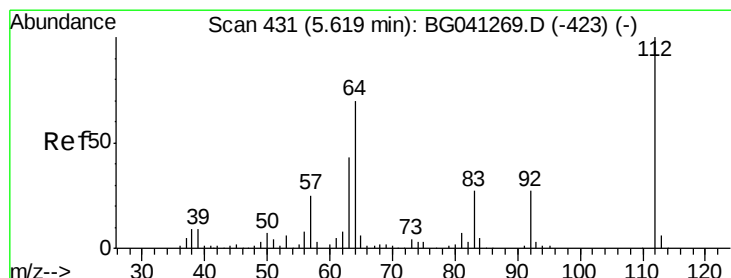
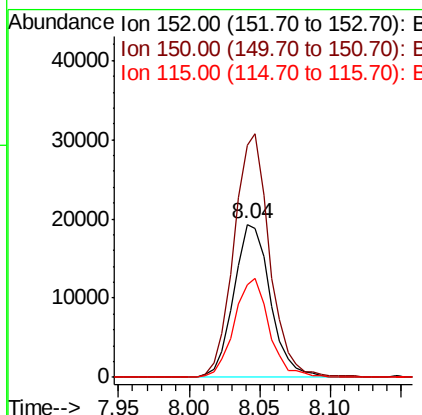
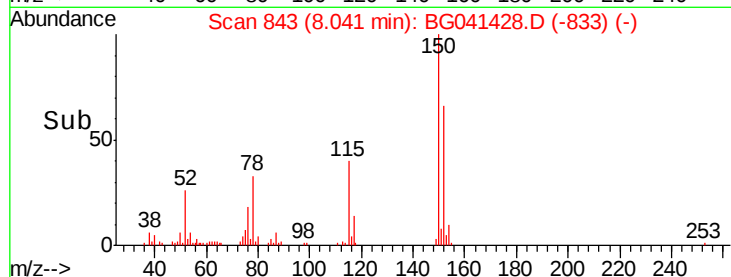
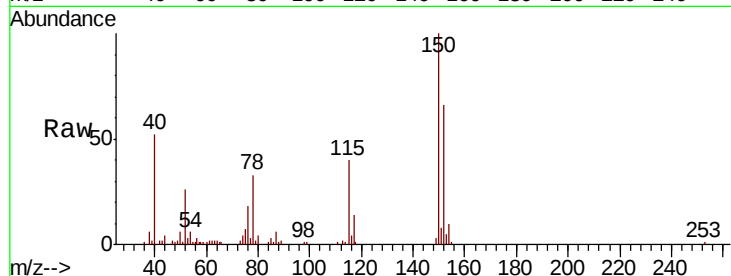


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

Instrument :
BNA_G
ClientSampleId :
W-2

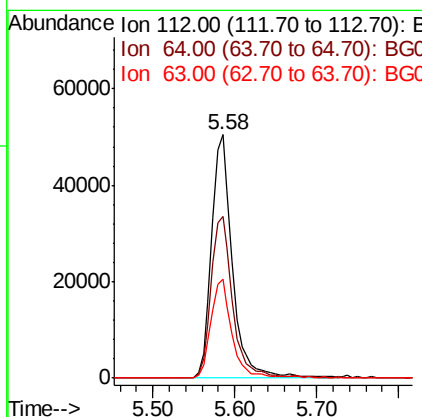
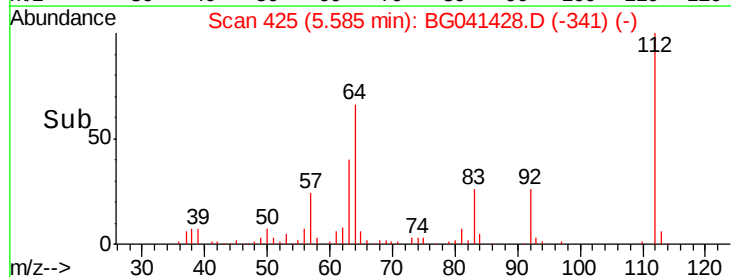
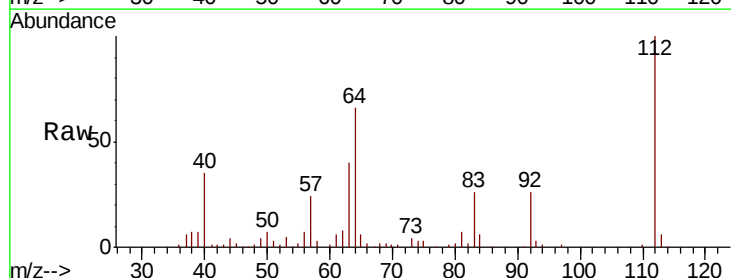
Tgt Ion:152 Resp: 34968
Ion Ratio Lower Upper
152 100
150 151.6 120.6 181.0
115 60.6 47.9 71.9

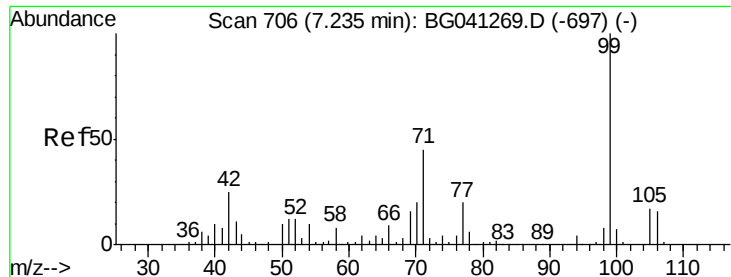


#5

2-Fluorophenol
Concen: 47.188 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

Tgt Ion:112 Resp: 89804
Ion Ratio Lower Upper
112 100
64 66.5 55.9 83.9
63 40.4 34.6 51.8





#7

Phenol-d6

Concen: 29.164 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

Instrument :

BNA_G

ClientSampled :

W-2

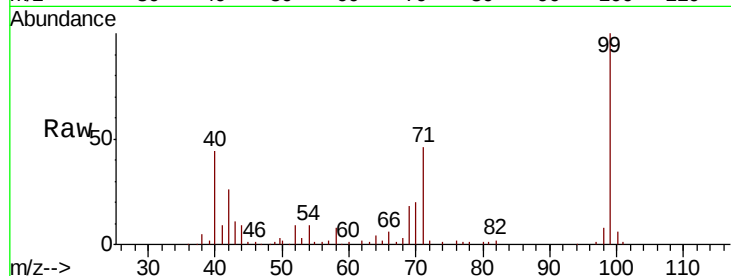
Tgt Ion: 99 Resp: 80452

Ion Ratio Lower Upper

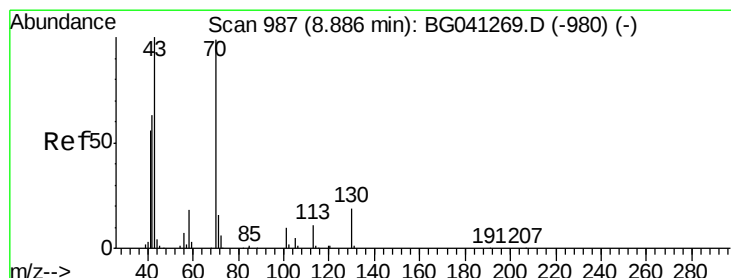
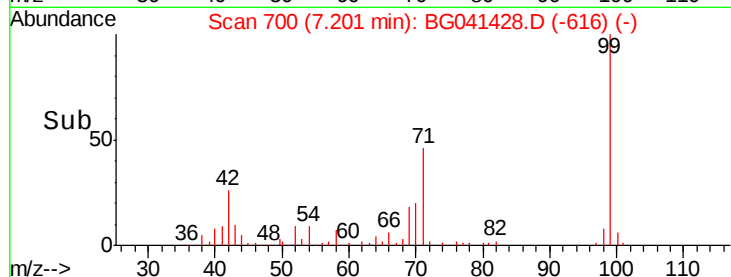
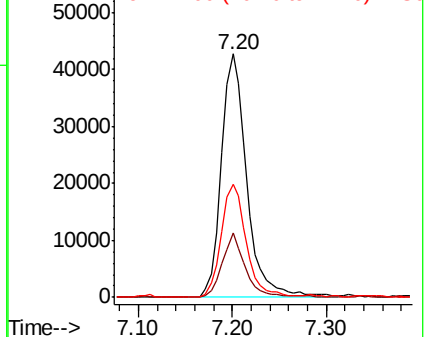
99 100

42 26.2 19.9 29.9

71 46.3 36.4 54.6



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: 15.534 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

Tgt Ion: 70 Resp: 34658

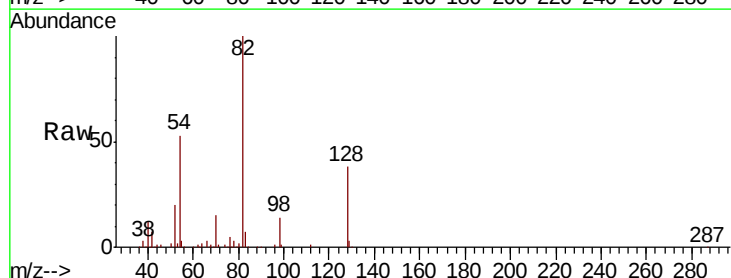
Ion Ratio Lower Upper

70 100

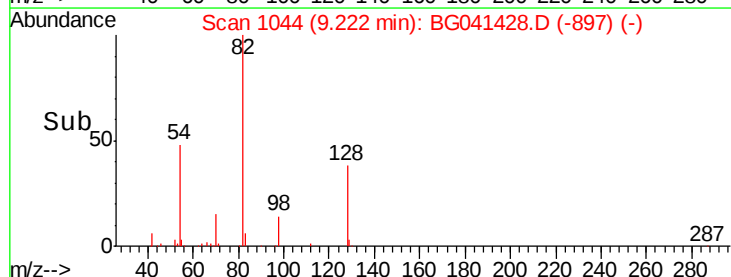
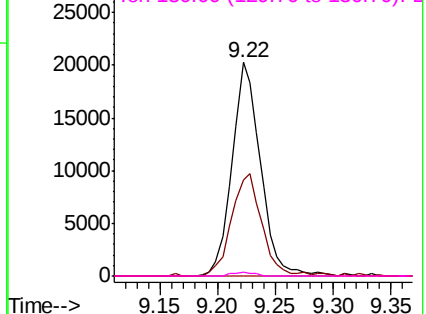
42 44.8 51.4 77.2#

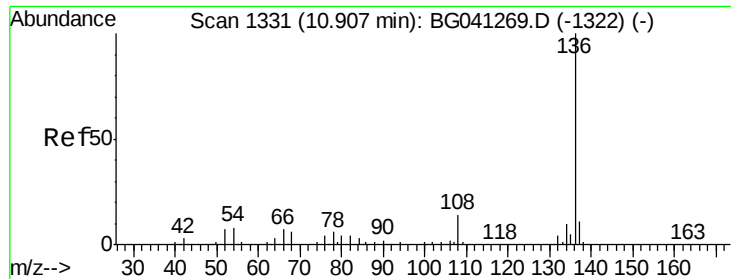
101 0.0 8.2 12.2#

130 1.6 15.2 22.8#



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

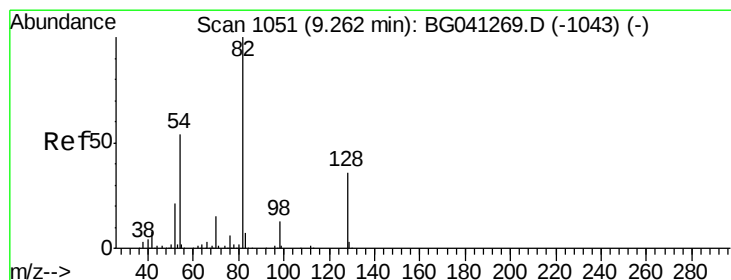
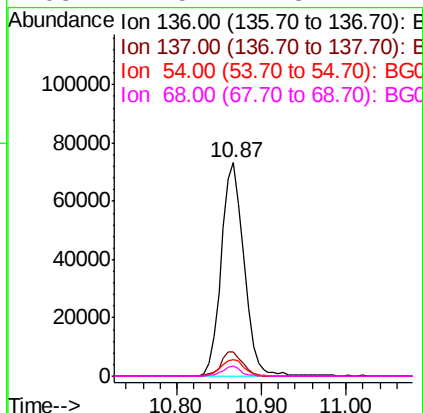
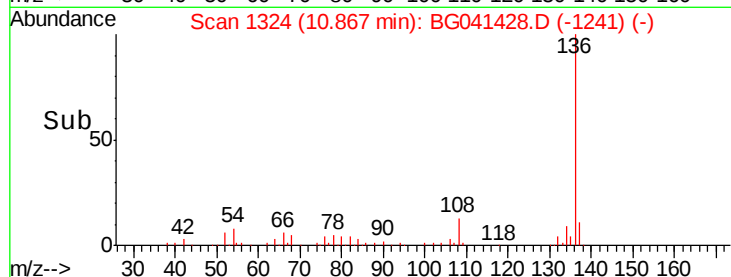
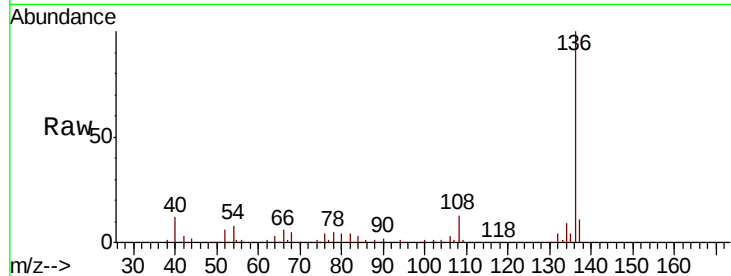




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

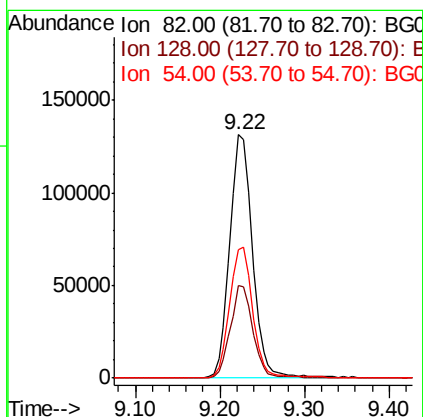
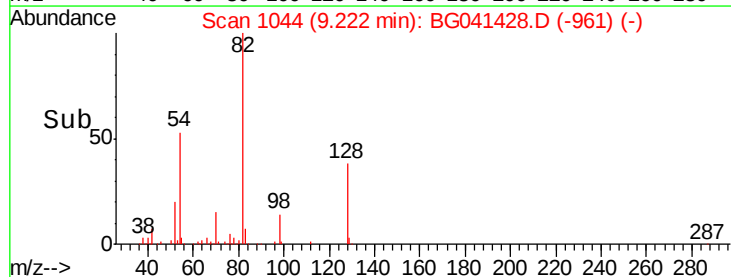
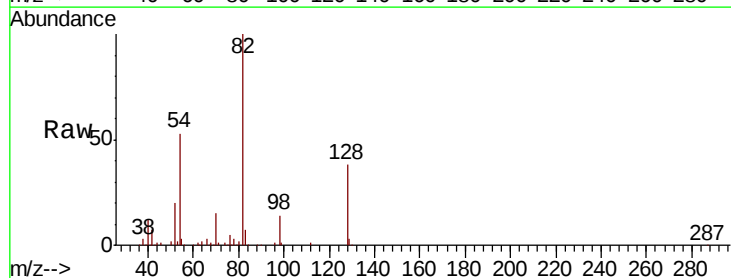
Instrument :
BNA_G
ClientSampleId :
W-2

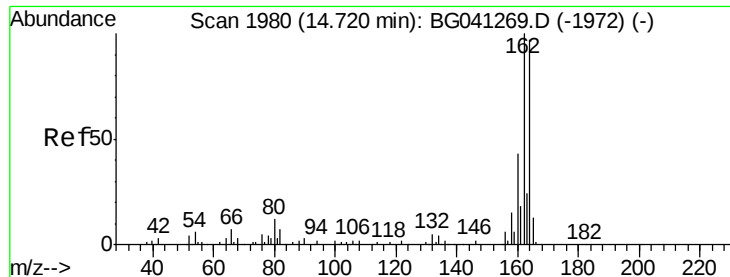
Tgt Ion:	136	Resp:	138034
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	6.4	9.6
68	4.5	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 74.606 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

Tgt Ion:	82	Resp:	244868
Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.2	43.8
54	52.7	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.03 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

Instrument :

BNA_G

ClientSampleId :

W-2

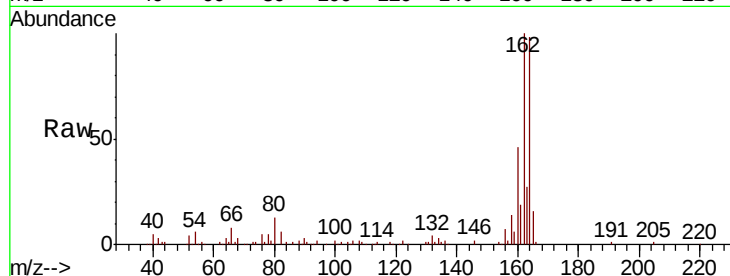
Tgt Ion:164 Resp: 95903

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

160 46.9 35.8 53.8

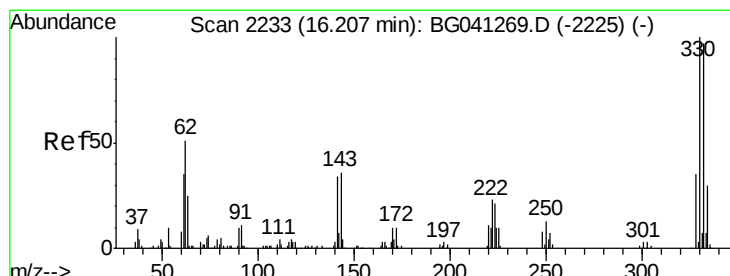
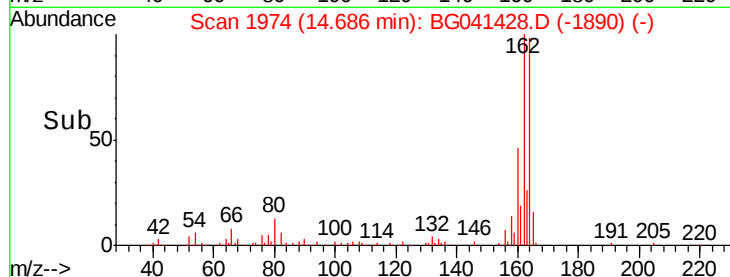
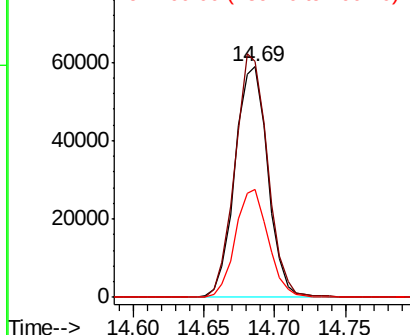


Abundance

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: 118.238 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

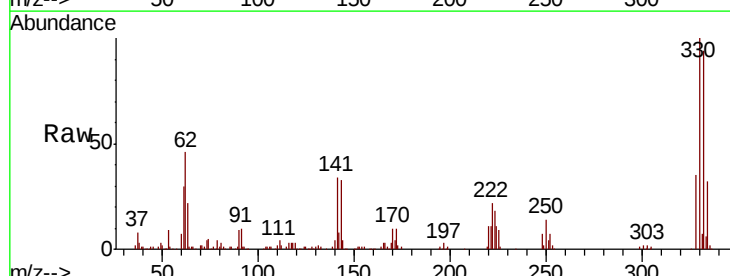
Tgt Ion:330 Resp: 174085

Ion Ratio Lower Upper

330 100

332 96.0 75.5 113.3

141 35.2 29.0 43.4

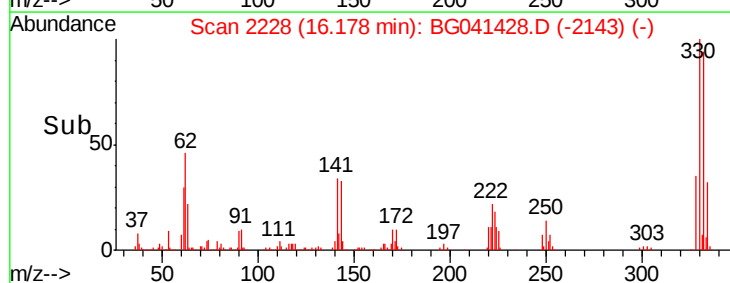
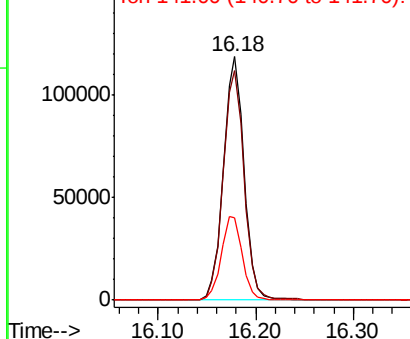


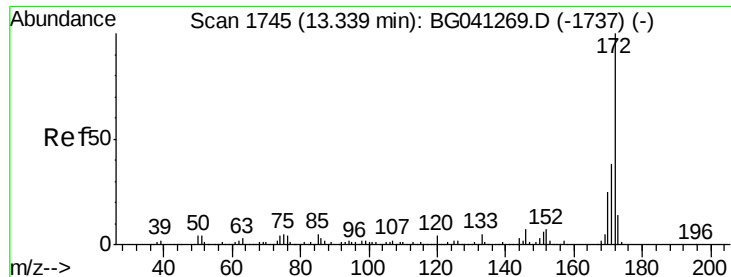
Abundance

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

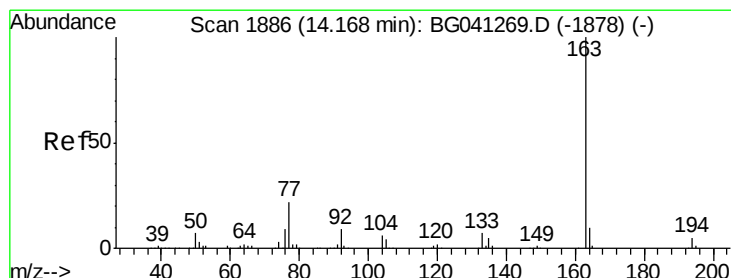
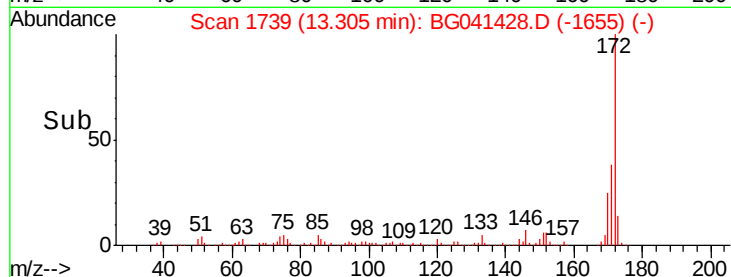
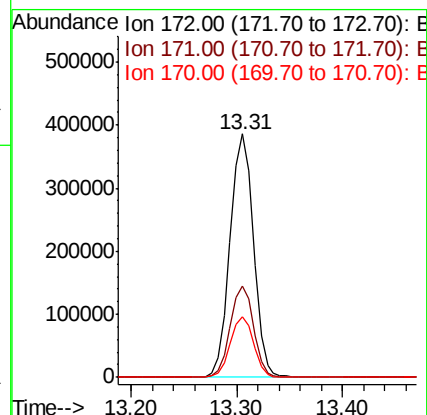
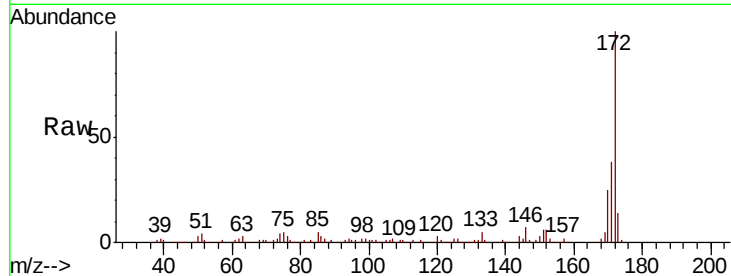




#45
2-Fluorobiphenyl
Concen: 84.139 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

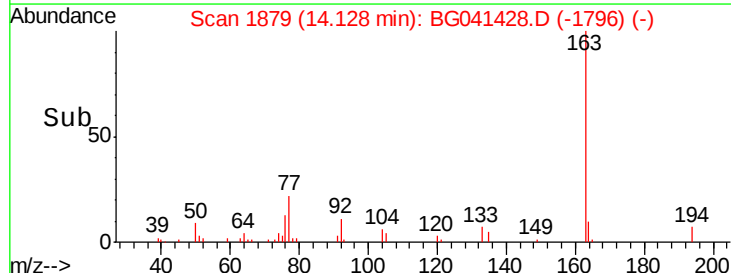
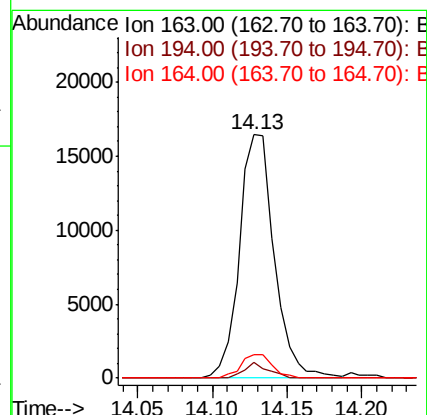
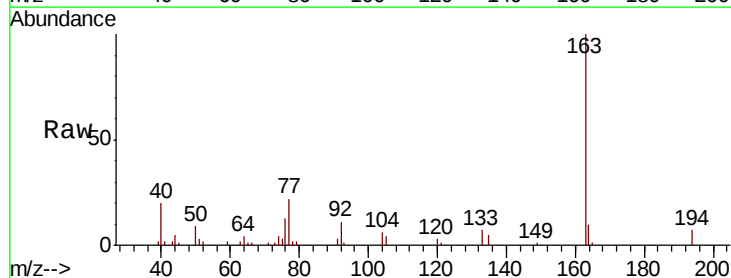
Instrument :
BNA_G
ClientSampleId :
W-2

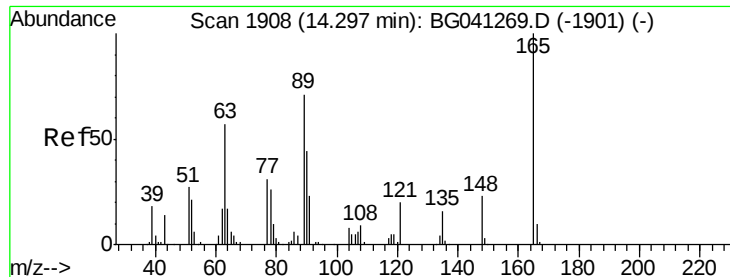
Tgt Ion:172 Resp: 593689
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 25.0 19.8 29.6



#50
Dimethylphthalate
Concen: 3.131 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.04 min
Lab File: BG041428.D
Acq: 24 Jun 2019 19:20

Tgt Ion:163 Resp: 26717
Ion Ratio Lower Upper
163 100
194 6.6 3.9 5.9#
164 9.6 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 7.436 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.39 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

Instrument :

BNA_G

ClientSampleId :

W-2

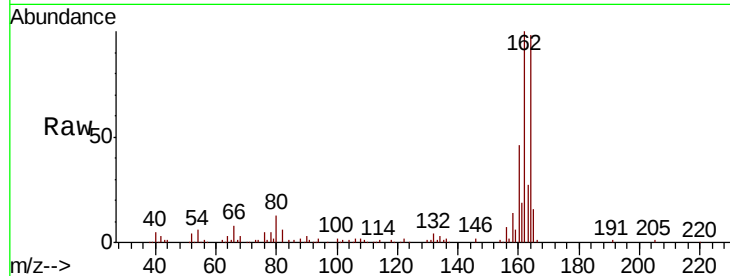
Tgt Ion:165 Resp: 13379

Ion Ratio Lower Upper

165 100

63 2.1 55.4 83.0#

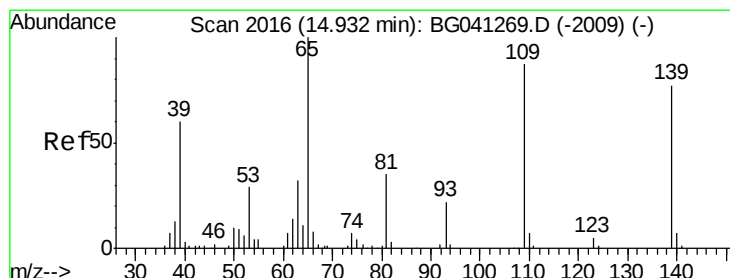
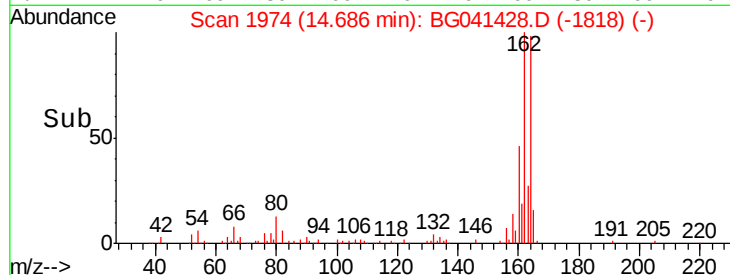
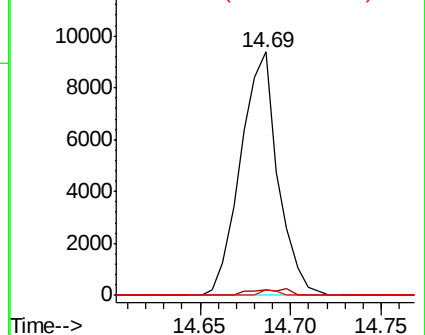
89 2.0 56.5 84.7#



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



#56

4-Nitrophenol

Concen: 3.261 ng

RT: 14.89 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

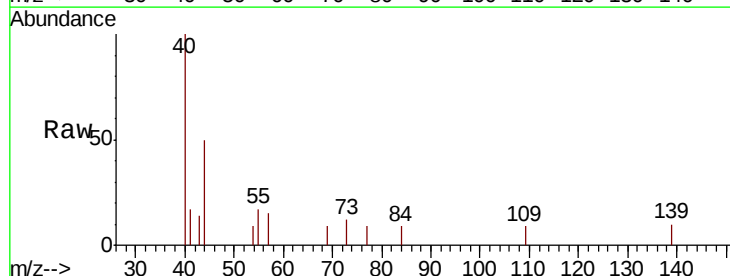
Tgt Ion:139 Resp: 63

Ion Ratio Lower Upper

139 100

109 87.8 93.2 133.2#

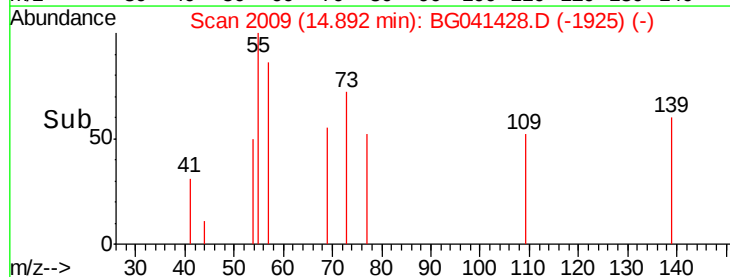
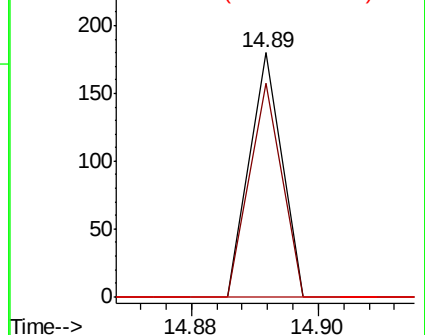
65 0.0 110.2 150.2#

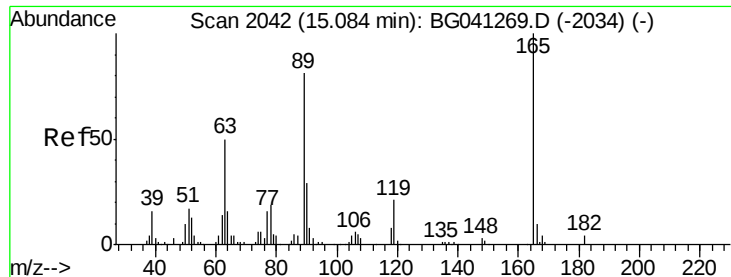


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

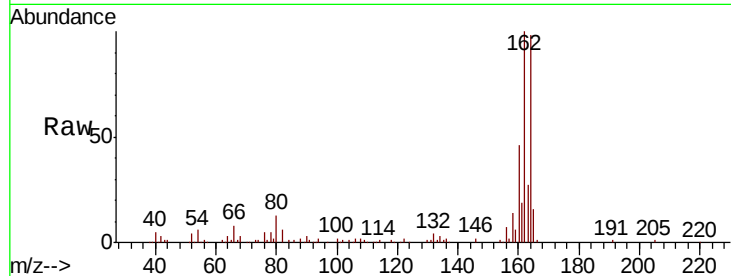




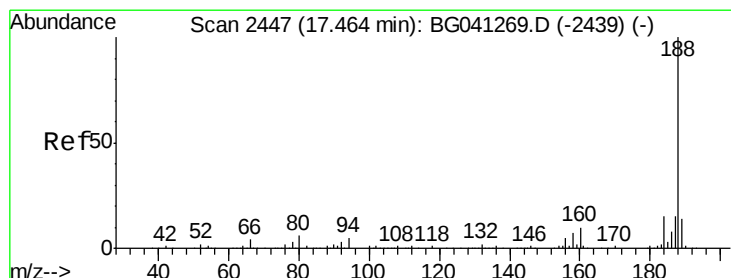
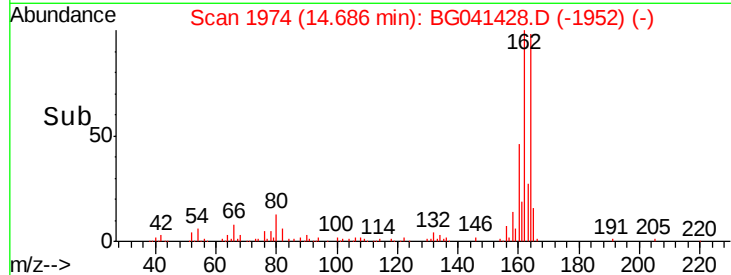
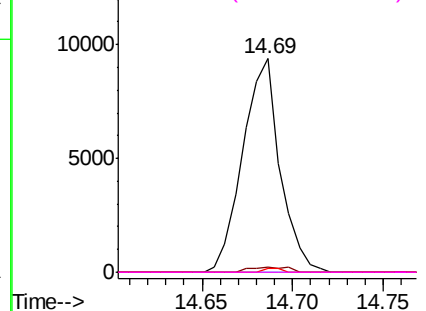
#57
 2,4-Dinitrotoluene
 Concen: 5.087 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041428.D
 Acq: 24 Jun 2019 19:20

Instrument :
 BNA_G
 ClientSampleID :
 W-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.0	60.0#
89	2.0	64.6	96.8#
182	0.0	2.9	4.3#

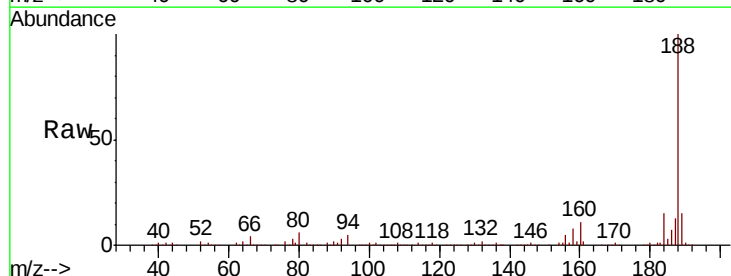


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

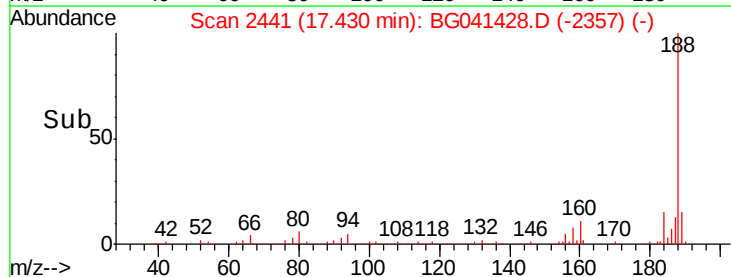
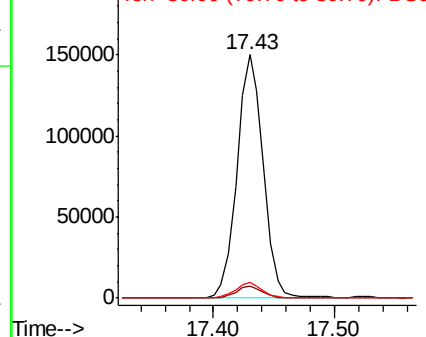


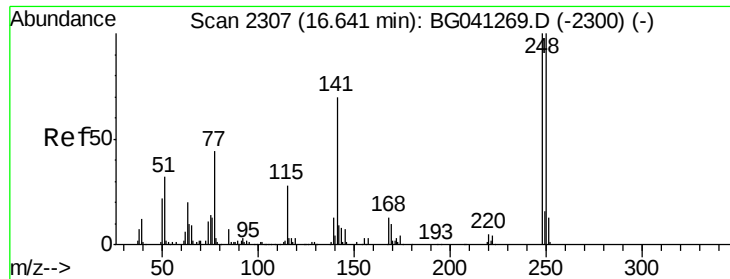
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.03 min
 Lab File: BG041428.D
 Acq: 24 Jun 2019 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.6	5.4
80	6.3	4.8	7.2



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

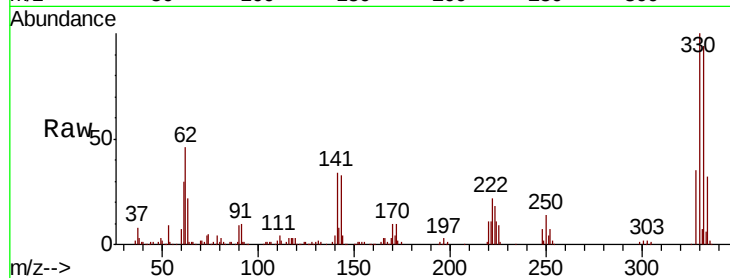




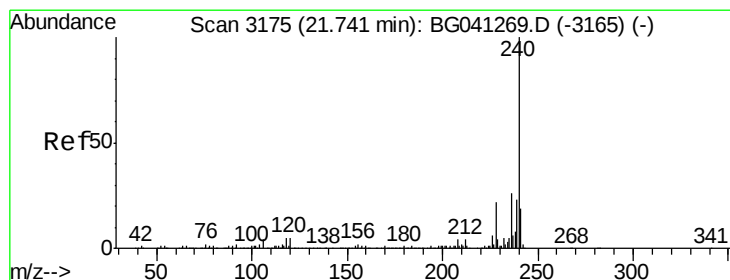
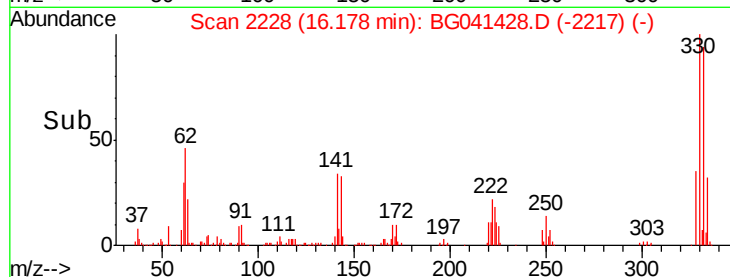
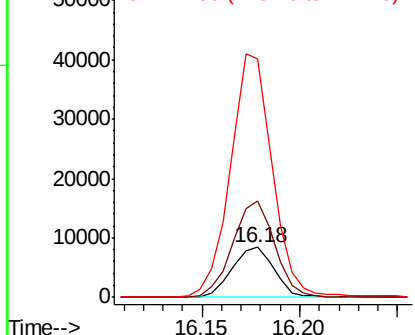
#67
 4-Bromophenyl-phenylether
 Concen: 4.262 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.46 min
 Lab File: BG041428.D
 Acq: 24 Jun 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Tgt Ion:248 Resp: 12468
 Ion Ratio Lower Upper
 248 100
 250 148.4 79.8 119.8#
 141 369.2 55.8 83.6#

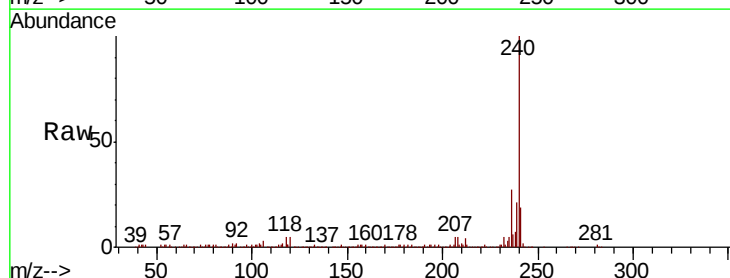


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

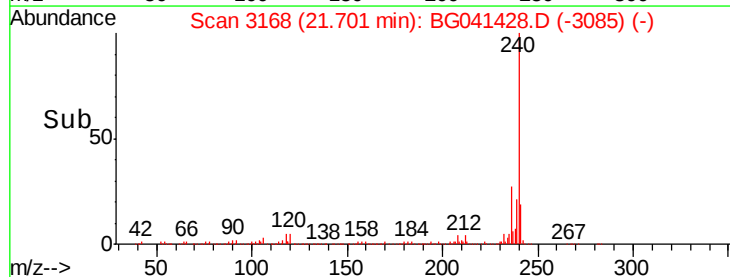
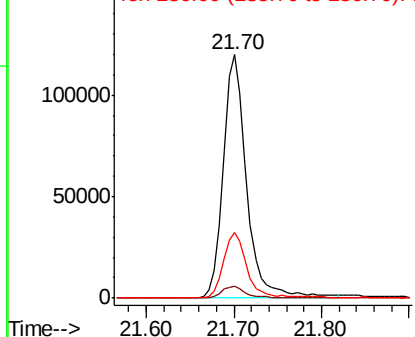


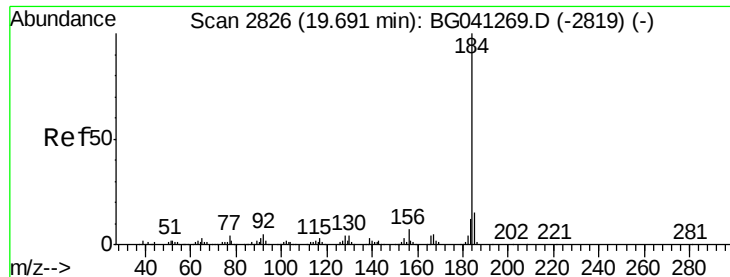
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.04 min
 Lab File: BG041428.D
 Acq: 24 Jun 2019 19:20

Tgt Ion:240 Resp: 221734
 Ion Ratio Lower Upper
 240 100
 120 4.7 3.7 5.5
 236 27.0 21.1 31.7



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: 3.078 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

Instrument :

BNA_G

ClientSampleId :

W-2

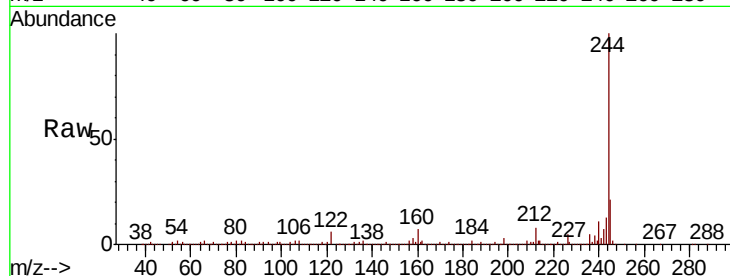
Tgt Ion:184 Resp: 16507

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

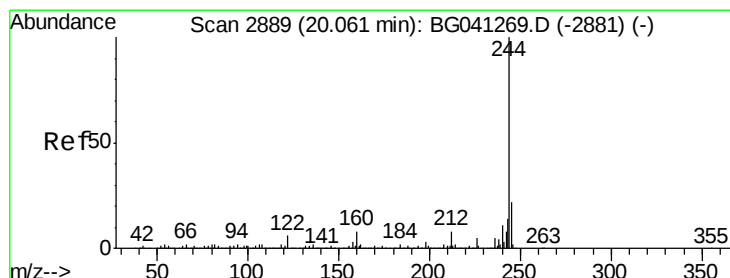
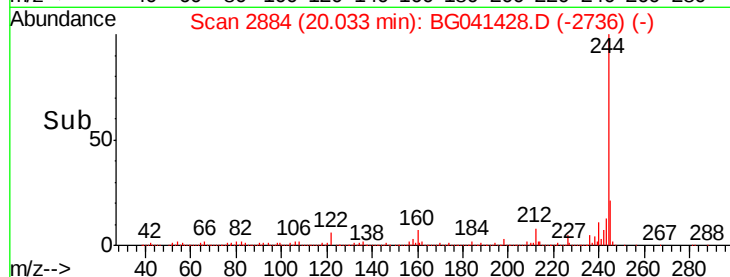
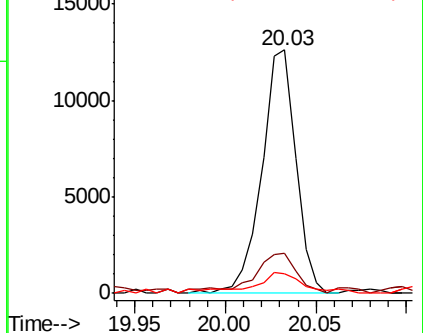
183 7.9 9.6 14.4#



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: 86.594 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041428.D

Acq: 24 Jun 2019 19:20

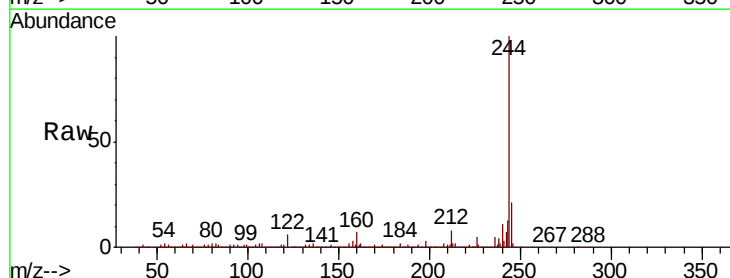
Tgt Ion:244 Resp: 968863

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

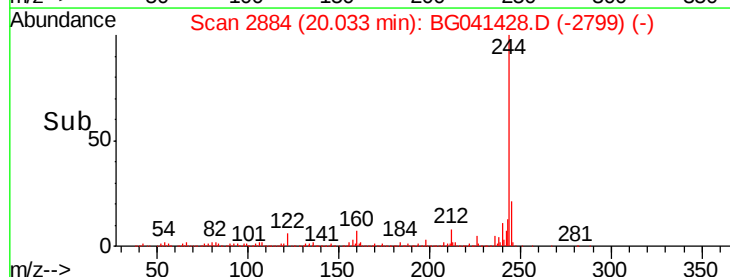
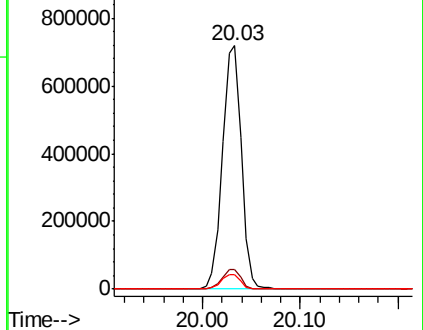
122 5.8 5.0 7.4

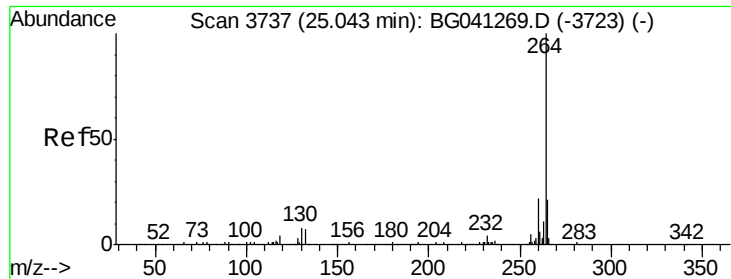


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.99 min Scan# 3727
 Delta R.T. -0.06 min
 Lab File: BG041428.D
 Acq: 24 Jun 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Tgt Ion:	264	Resp:	173538
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.2
265	20.2	17.2	25.8

