

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041429.D
 Acq On : 24 Jun 2019 19:58
 Operator : HP/JU
 Sample : K3486-04
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-4

Quant Time: Jun 25 05:08:19 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

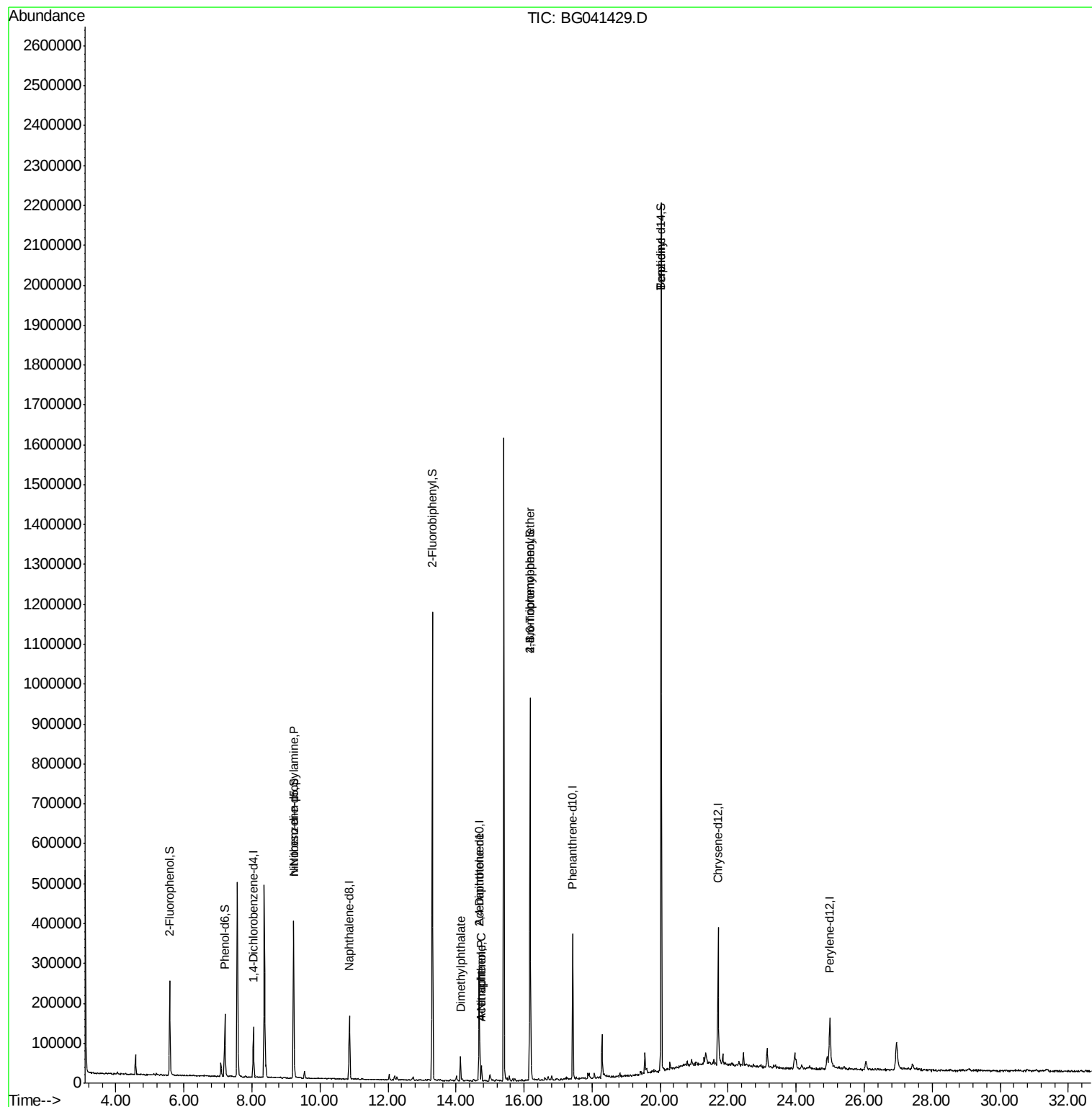
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	33968	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	132287	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	93607	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	230943	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	227272	20.00	ng	-0.04
87) Perylene-d12	24.99	264	174520	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	97993	53.01	ng	-0.04
7) Phenol-d6	7.20	99	89513	33.40	ng	-0.03
23) Nitrobenzene-d5	9.22	82	246831	78.47	ng	-0.04
42) 2,4,6-Tribromophenol	16.18	330	186034	129.45	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	601276	87.30	ng	-0.03
79) Terphenyl-d14	20.03	244	1026187	89.48	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	34861	16.085	ng	Qvalue # 75
50) Dimethylphthalate	14.13	163	38684	4.645	ng	96
52) Acenaphthene	14.75	154	12765	2.351	ng	94
56) 4-Nitrophenol	14.75	139	73	3.269	ng	# 35
57) 2,4-Dinitrotoluene	14.68	165	11677	4.549	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	13284	4.449	ng	# 1
77) Benzidine	20.03	184	17194	3.128	ng	# 95

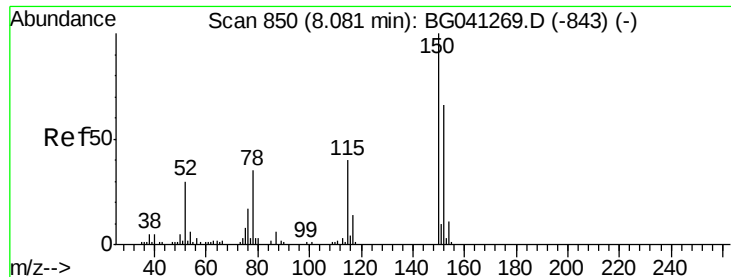
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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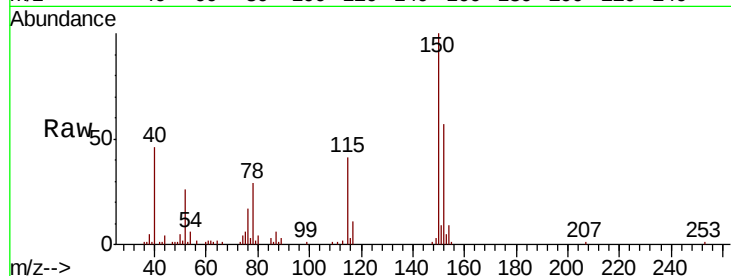


#1

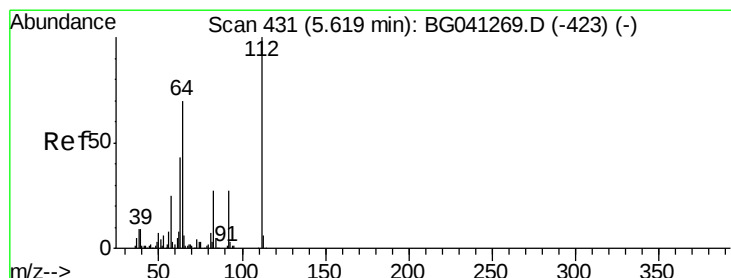
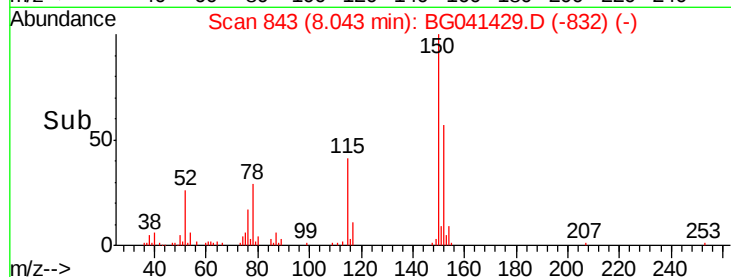
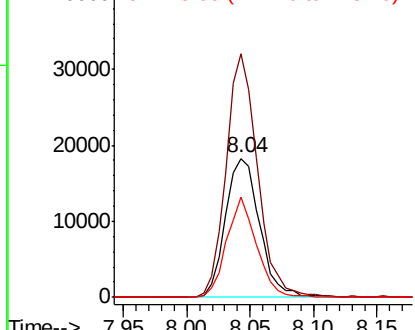
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.04 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 W-4

Tgt Ion:152 Resp: 33968
 Ion Ratio Lower Upper
 152 100
 150 175.4 120.6 181.0
 115 72.3 47.9 71.9#



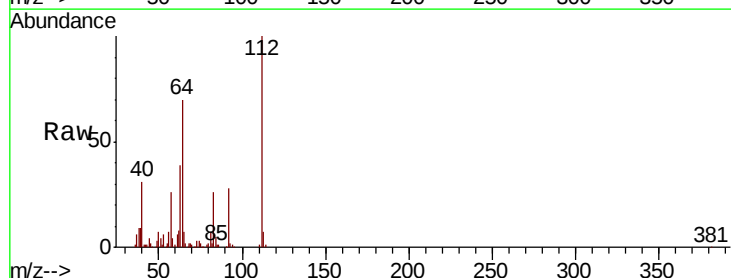
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



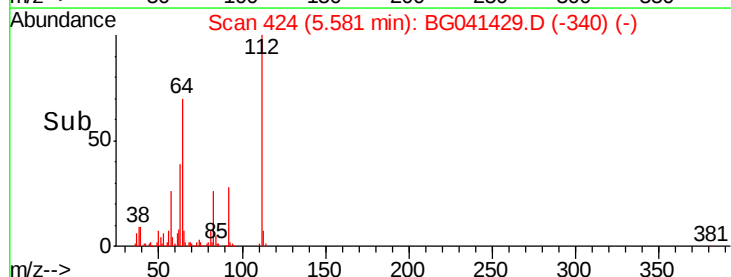
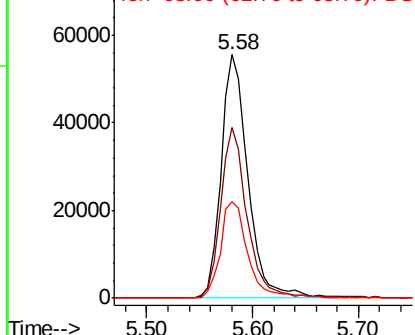
#5

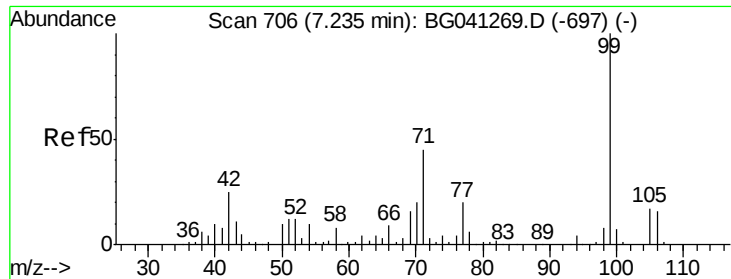
2-Fluorophenol
 Concen: 53.007 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Tgt Ion:112 Resp: 97993
 Ion Ratio Lower Upper
 112 100
 64 70.0 55.9 83.9
 63 39.5 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.404 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

Instrument :

BNA_G

ClientSampleId :

W-4

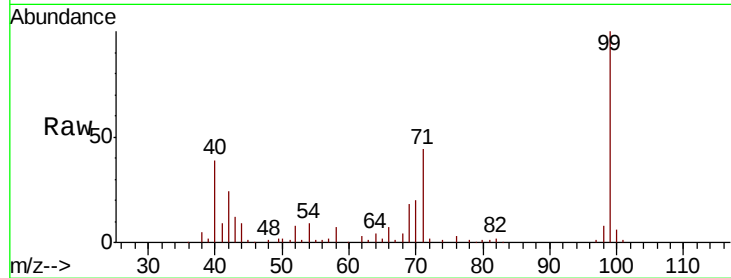
Tgt Ion: 99 Resp: 89513

Ion Ratio Lower Upper

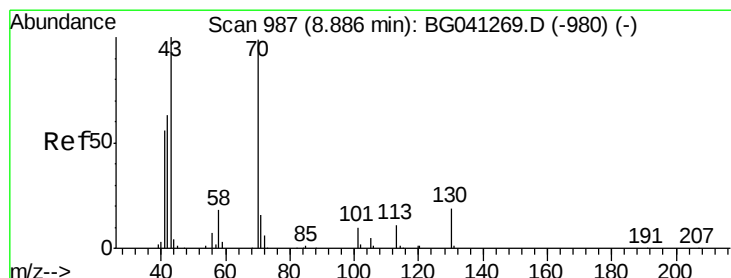
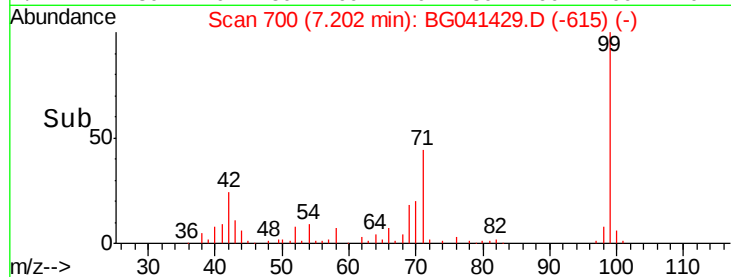
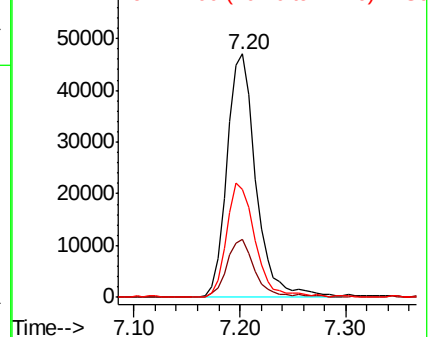
99 100

42 23.6 19.9 29.9

71 44.4 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: 16.085 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

Tgt Ion: 70 Resp: 34861

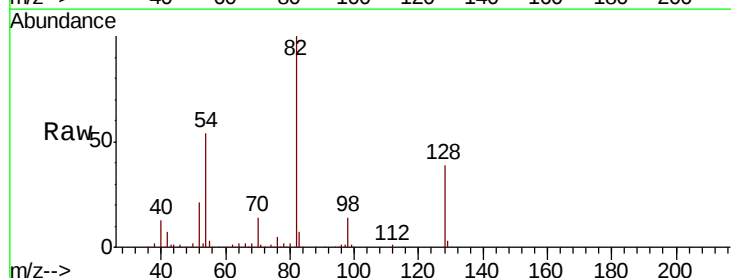
Ion Ratio Lower Upper

70 100

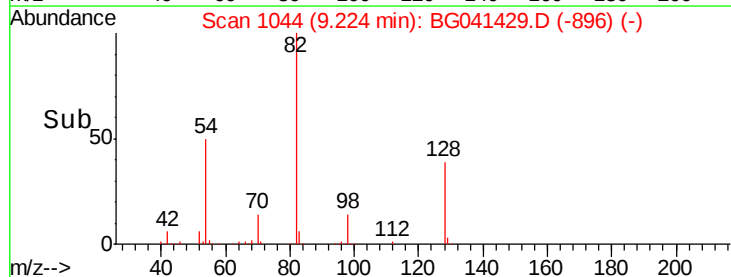
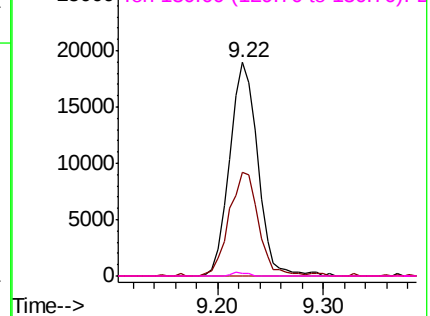
42 48.3 51.4 77.2#

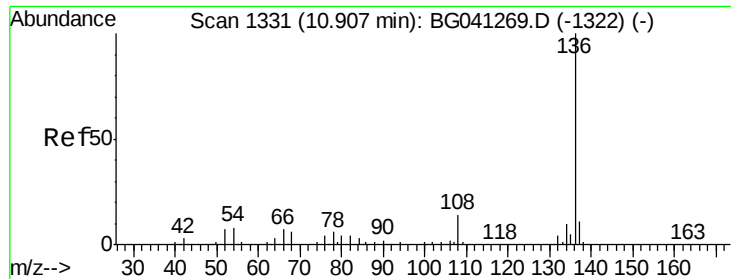
101 0.0 8.2 12.2#

130 1.1 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

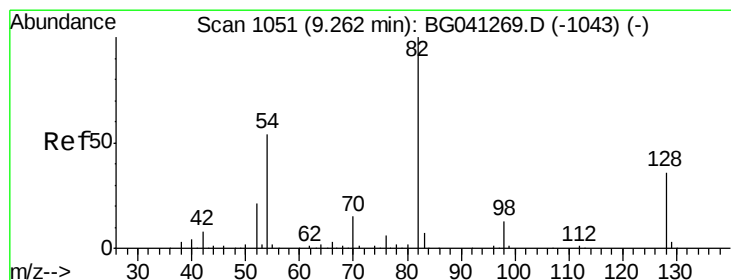
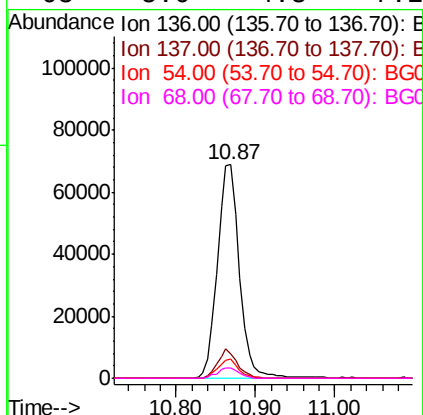
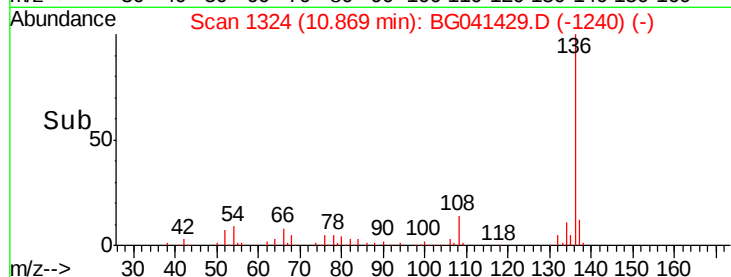
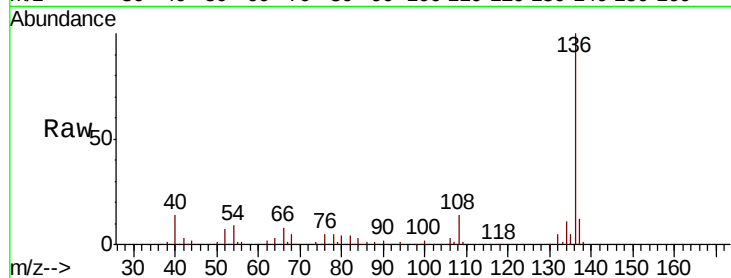




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041429.D
Acq: 24 Jun 2019 19:58

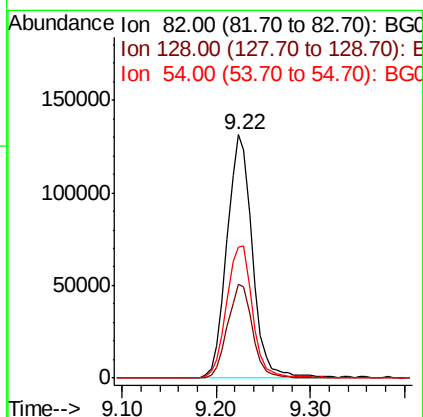
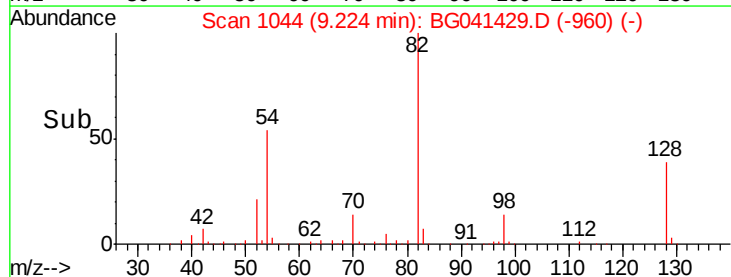
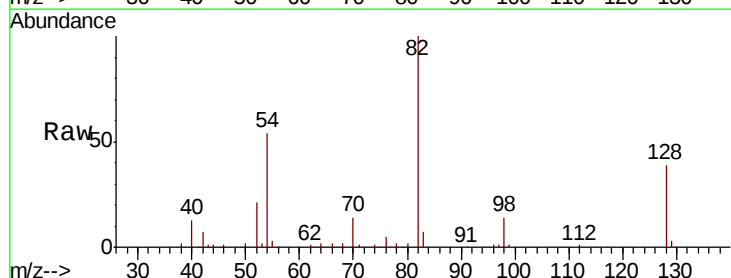
Instrument :
BNA_G
ClientSampleId :
W-4

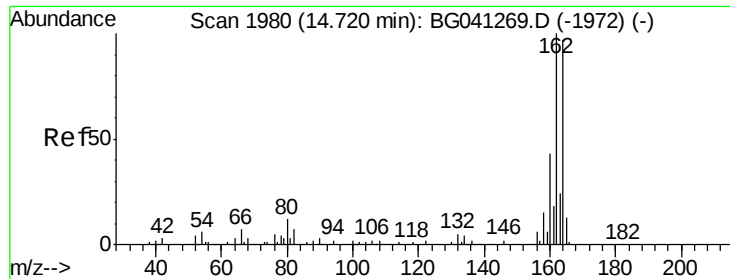
Tgt Ion:	136	Resp:	132287
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	8.9	6.4	9.6
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 78.472 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041429.D
Acq: 24 Jun 2019 19:58

Tgt Ion:	82	Resp:	246831
Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.2	43.8
54	53.7	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

Instrument :

BNA_G

ClientSampleId :

W-4

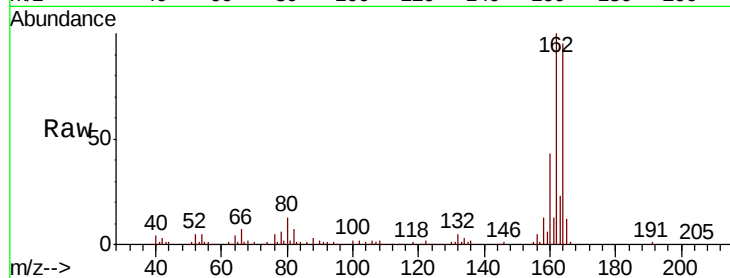
Tgt Ion:164 Resp: 93607

Ion Ratio Lower Upper

164 100

162 104.9 82.8 124.2

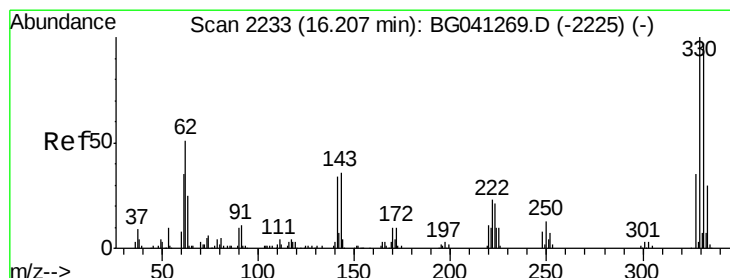
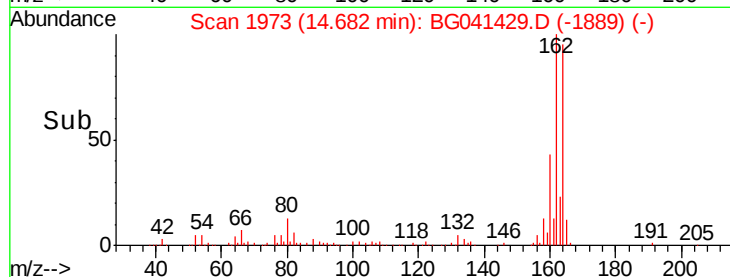
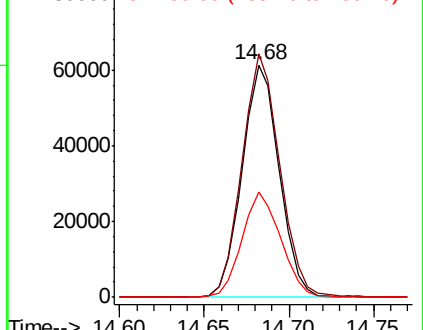
160 45.3 35.8 53.8



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: 129.453 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

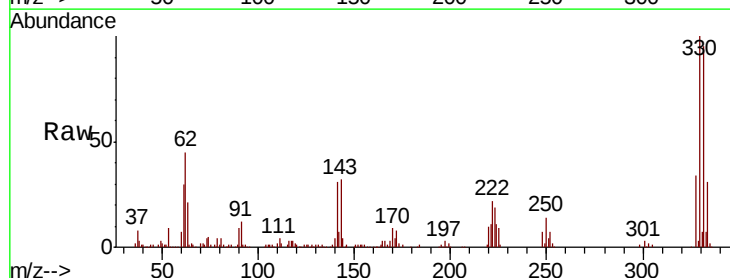
Tgt Ion:330 Resp: 186034

Ion Ratio Lower Upper

330 100

332 95.3 75.5 113.3

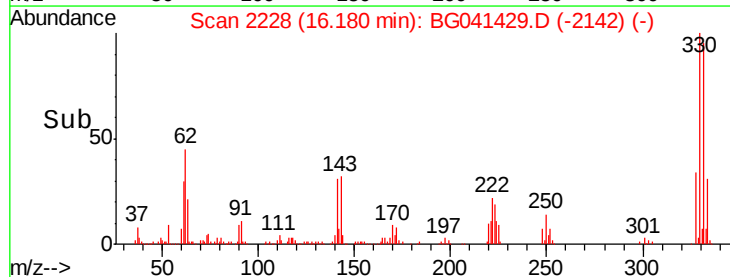
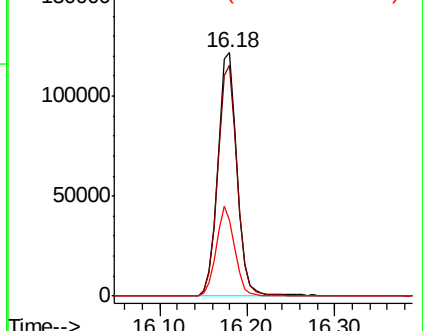
141 35.2 29.0 43.4

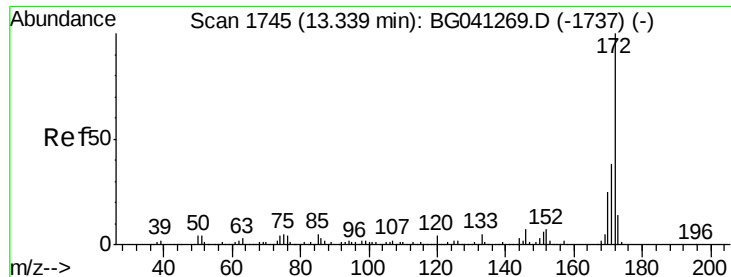


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

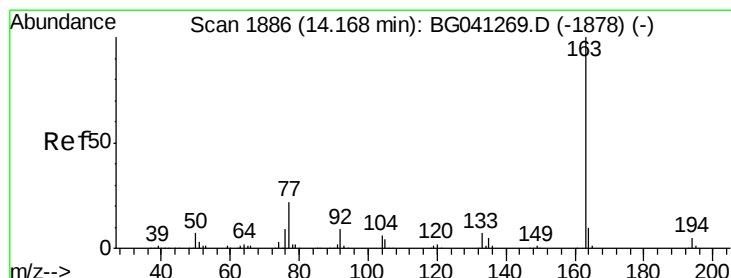
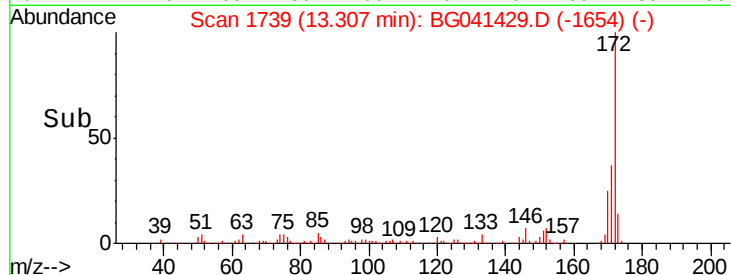
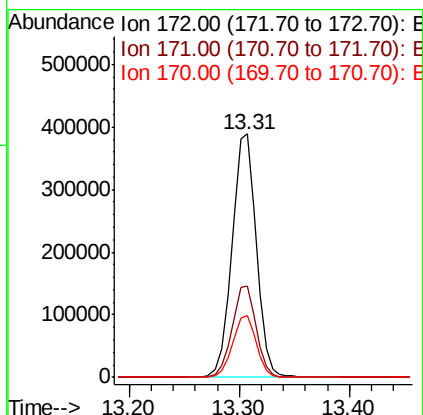
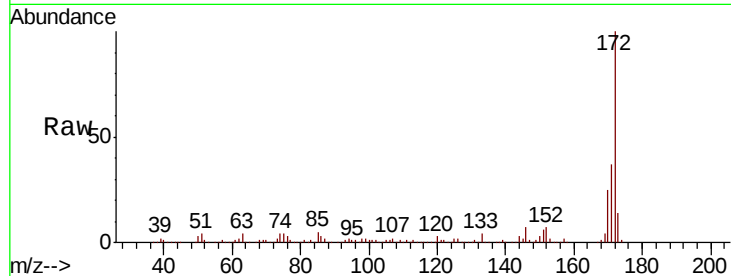




#45
 2-Fluorobiphenyl
 Concen: 87.304 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

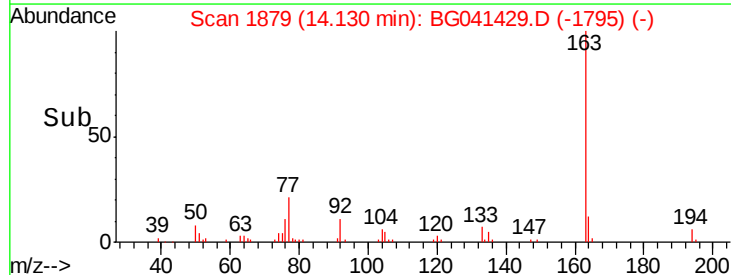
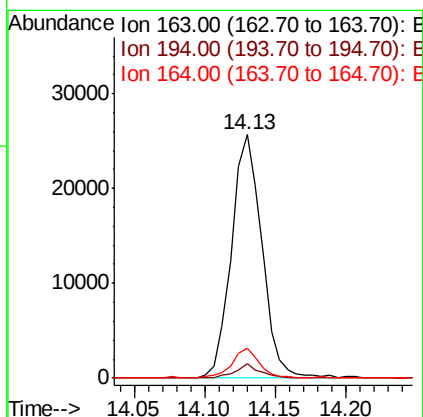
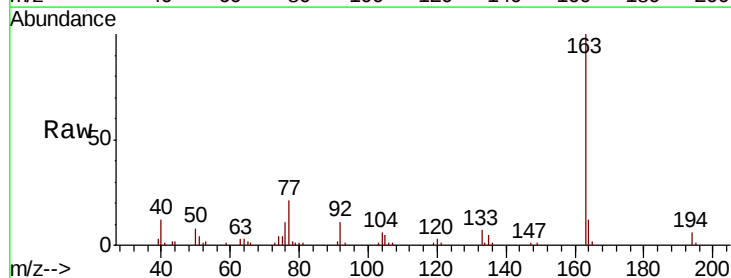
Instrument :
 BNA_G
 ClientSampleId :
 W-4

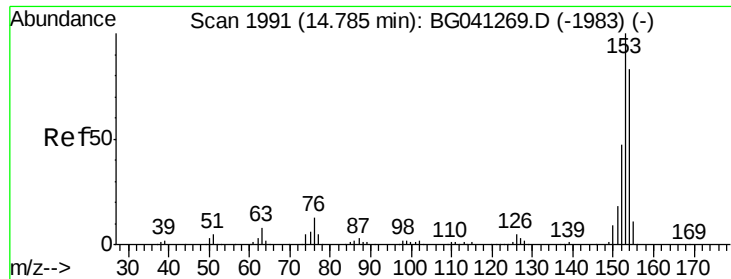
Tgt Ion:172 Resp: 601276
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 25.4 19.8 29.6



#50
 Dimethylphthalate
 Concen: 4.645 ng
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.04 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Tgt Ion:163 Resp: 38684
 Ion Ratio Lower Upper
 163 100
 194 5.8 3.9 5.9
 164 12.0 8.3 12.5





#52

Acenaphthene

Concen: 2.351 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.04 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

Instrument :

BNA_G

ClientSampled :

W-4

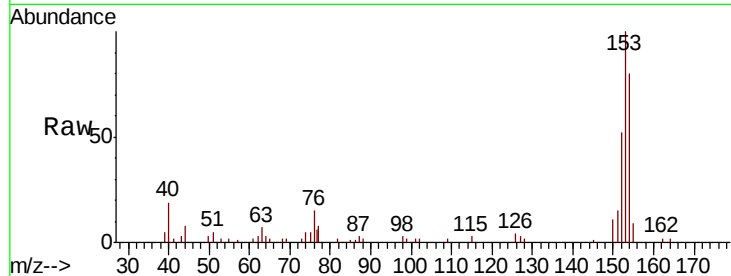
Tgt Ion:154 Resp: 12765

Ion Ratio Lower Upper

154 100

153 125.0 96.6 145.0

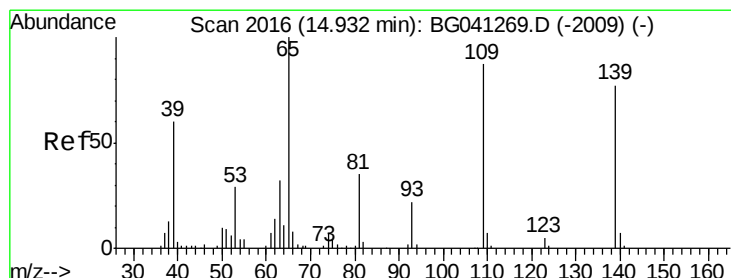
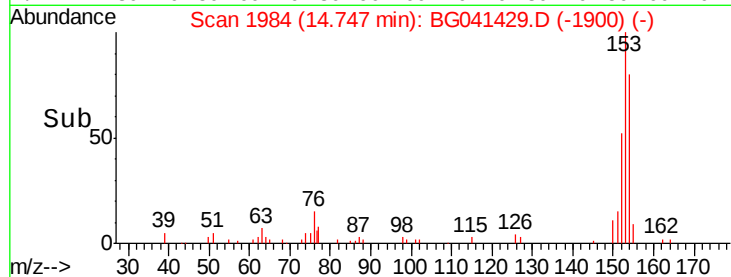
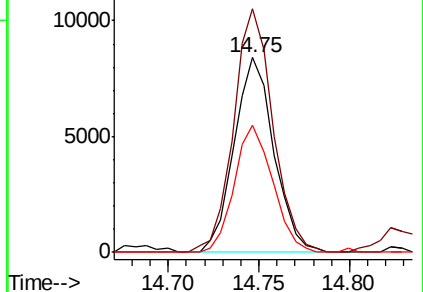
152 65.0 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 3.269 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.18 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

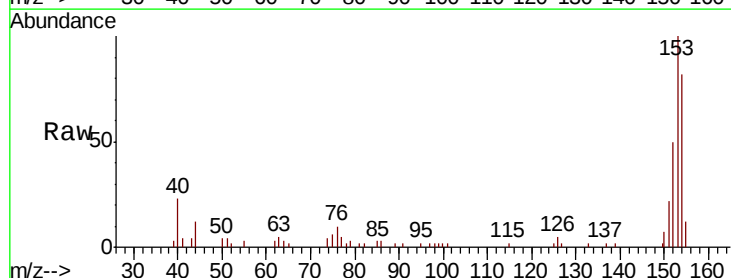
Tgt Ion:139 Resp: 73

Ion Ratio Lower Upper

139 100

109 0.0 93.2 133.2#

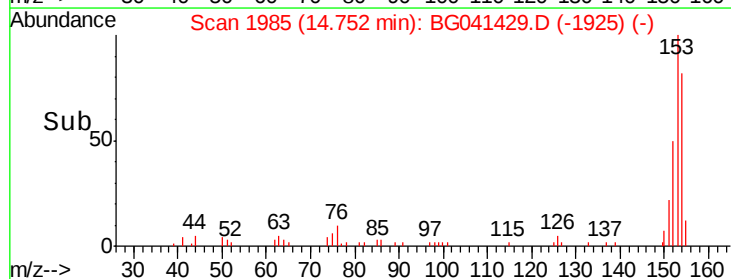
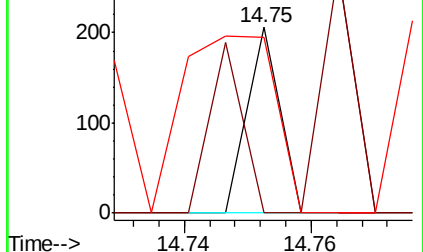
65 94.7 110.2 150.2#

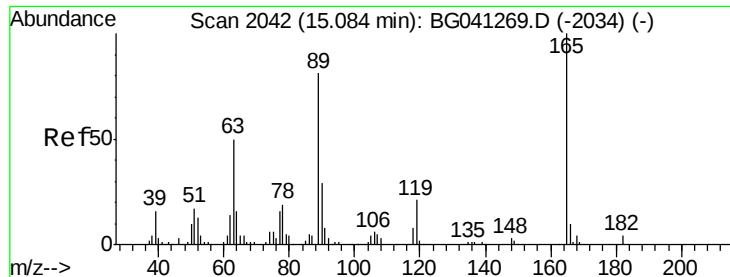


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

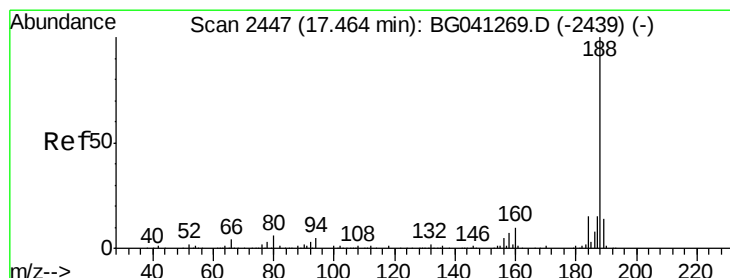
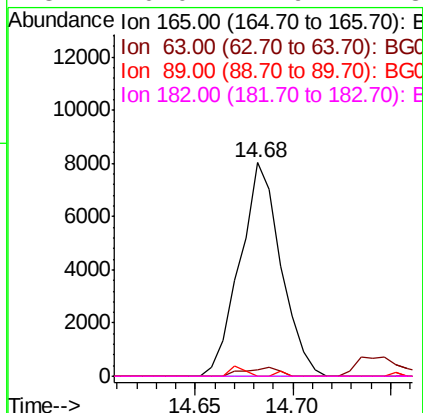
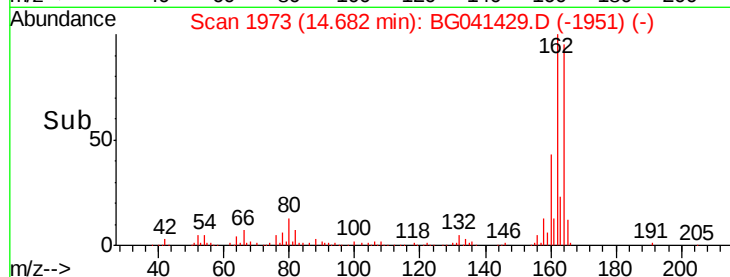
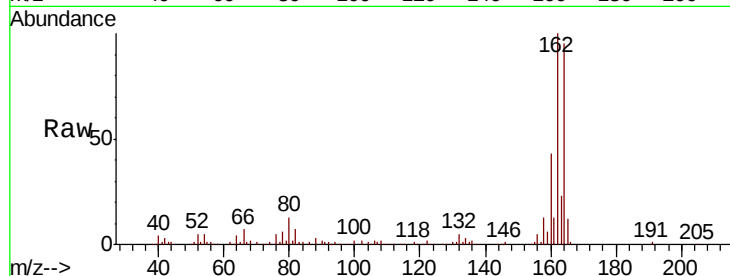




#57
 2,4-Dinitrotoluene
 Concen: 4.549 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.40 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

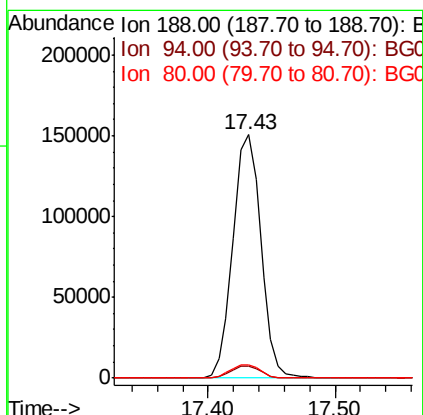
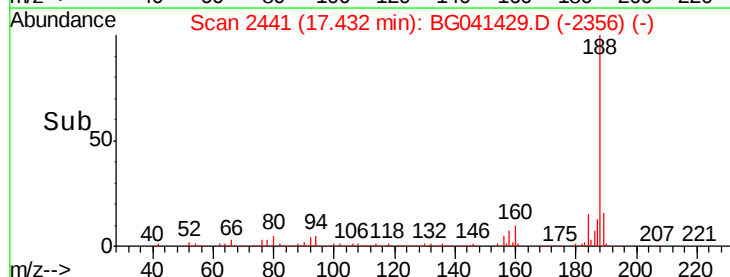
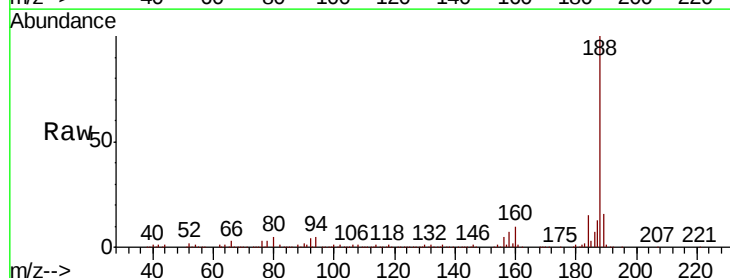
Instrument :
 BNA_G
 ClientSampleId :
 W-4

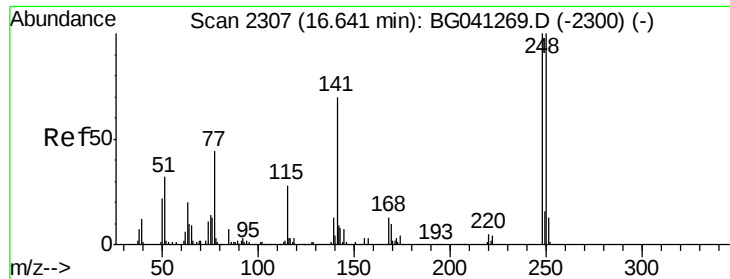
Tgt Ion:165 Resp: 11677
 Ion Ratio Lower Upper
 165 100
 63 2.8 40.0 60.0#
 89 0.0 64.6 96.8#
 182 0.0 2.9 4.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.03 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Tgt Ion:188 Resp: 230943
 Ion Ratio Lower Upper
 188 100
 94 5.1 3.6 5.4
 80 5.5 4.8 7.2

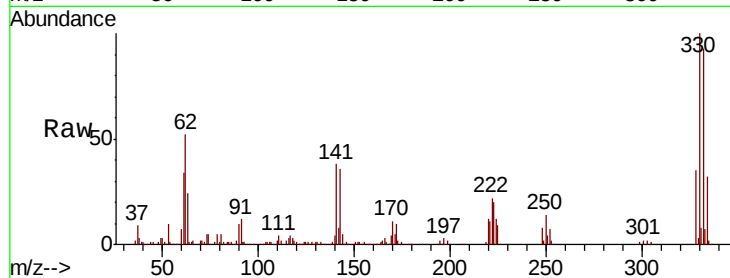




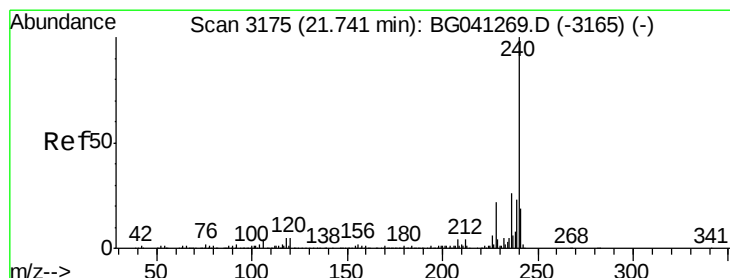
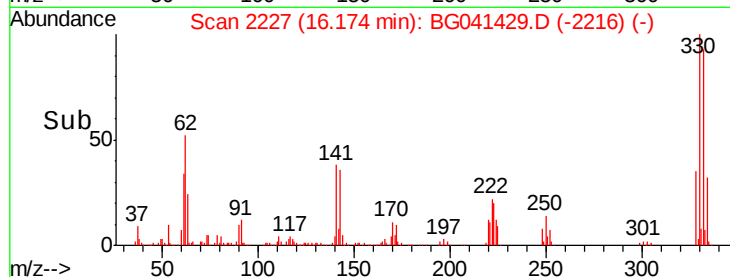
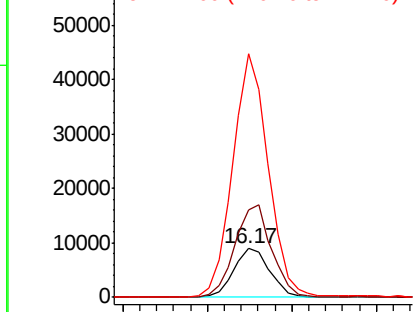
#67
 4-Bromophenyl-phenylether
 Concen: 4.449 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.47 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 W-4

Tgt Ion:248 Resp: 13284
 Ion Ratio Lower Upper
 248 100
 250 180.8 79.8 119.8#
 141 502.7 55.8 83.6#

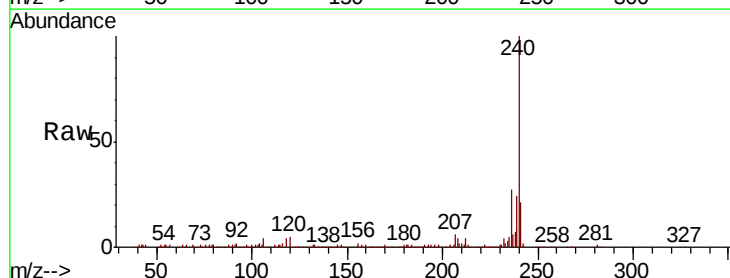


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

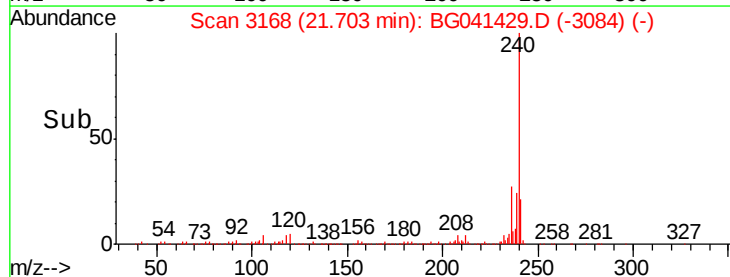
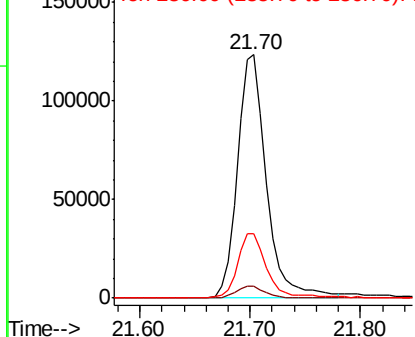


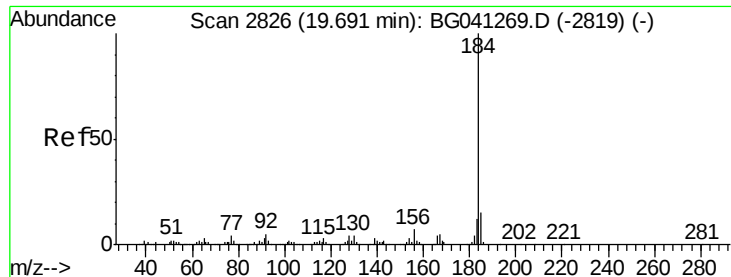
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.04 min
 Lab File: BG041429.D
 Acq: 24 Jun 2019 19:58

Tgt Ion:240 Resp: 227272
 Ion Ratio Lower Upper
 240 100
 120 5.0 3.7 5.5
 236 26.7 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: 3.128 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

Instrument :

BNA_G

ClientSampleId :

W-4

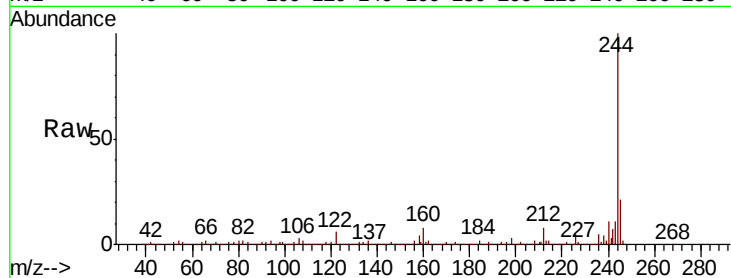
Tgt Ion:184 Resp: 17194

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.2

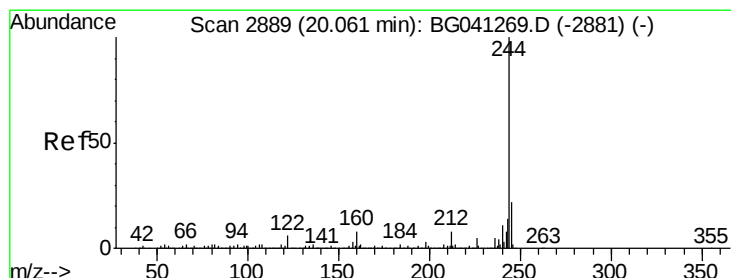
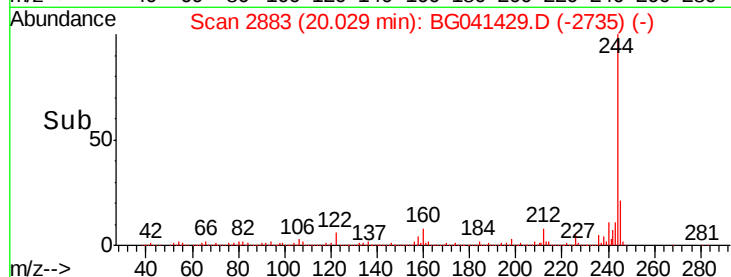
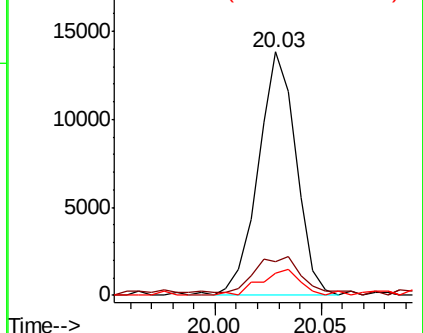
183 8.9 9.6 14.4#



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: 89.483 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041429.D

Acq: 24 Jun 2019 19:58

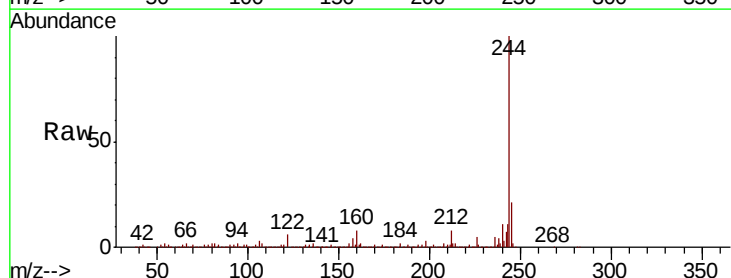
Tgt Ion:244 Resp: 1026187

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

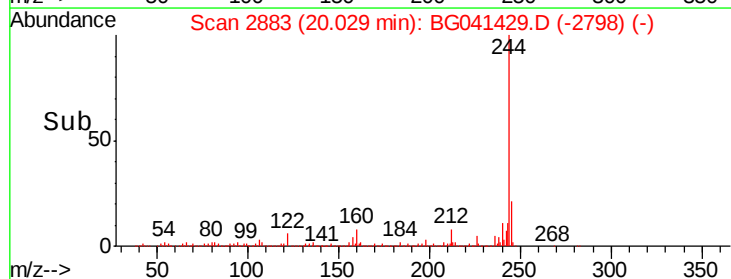
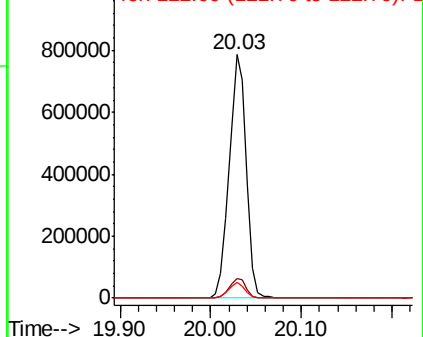
122 6.4 5.0 7.4

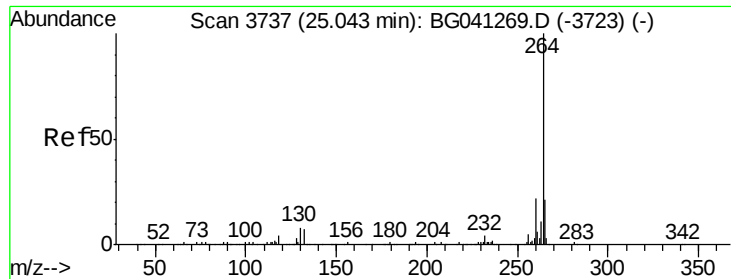


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041429.D
Acq: 24 Jun 2019 19:58

Instrument :
BNA_G
ClientSampleId :
W-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.2
265	24.6	17.2	25.8

