

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070219\
 Data File : BG041571.D
 Acq On : 2 Jul 2019 14:01
 Operator : HP/JU
 Sample : K3519-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW3

Quant Time: Jul 12 07:26:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

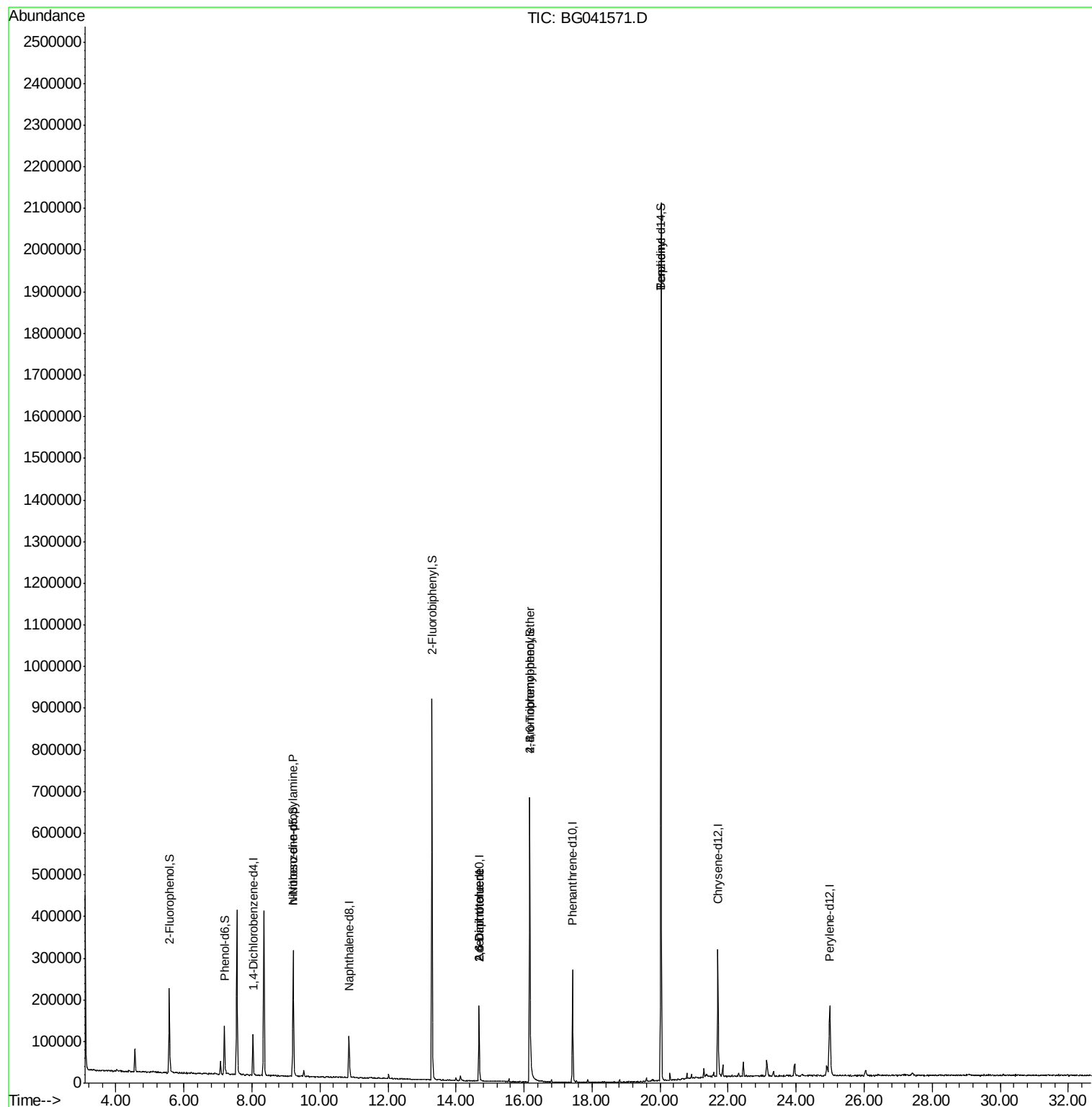
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26908	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	92046	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	63294	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	182268	20.00	ng	0.00
76) Chrysene-d12	21.70	240	209874	20.00	ng	0.00
87) Perylene-d12	24.99	264	222583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	87510	57.98	ng	0.00
7) Phenol-d6	7.19	99	67839	31.93	ng	0.00
23) Nitrobenzene-d5	9.21	82	198706	90.04	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	165876	153.49	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	462929	93.86	ng	0.00
79) Terphenyl-d14	20.02	244	1059147	107.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	28762	18.149	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	8091	6.619	ng	# 15
57) 2,4-Dinitrotoluene	14.68	165	8091	4.563	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	10755	4.318	ng	# 1
77) Benzidine	20.02	184	17193	3.692	ng	# 96

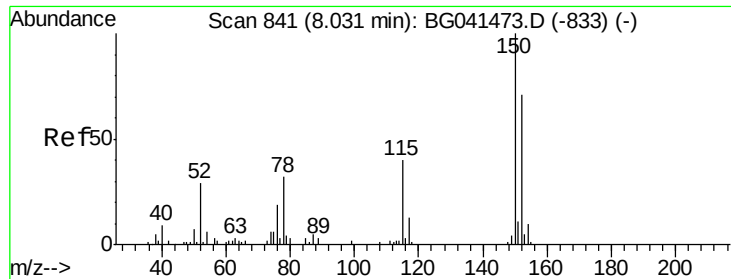
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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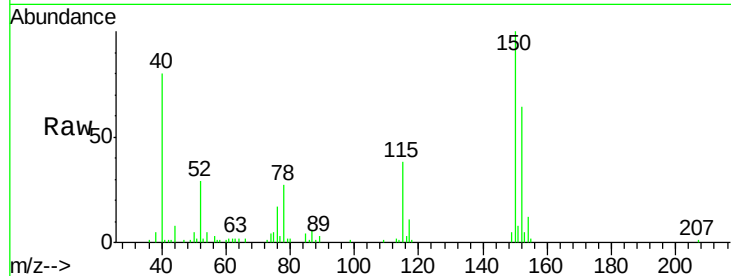


#1

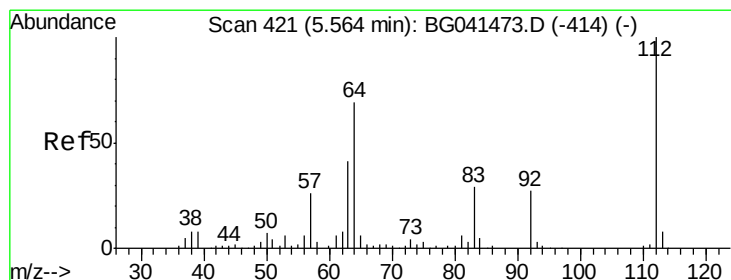
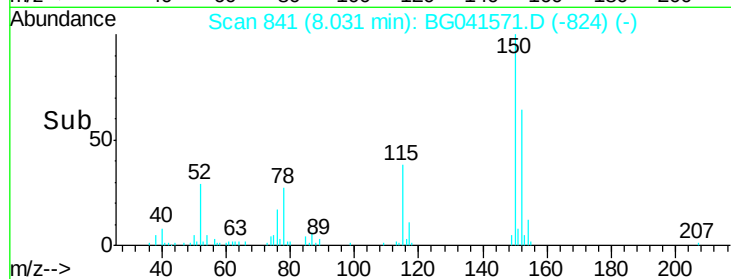
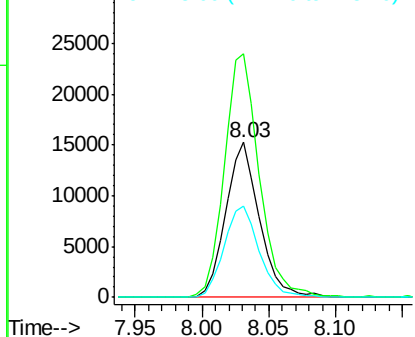
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041571.D
Acq: 2 Jul 2019 14:01

Instrument :
BNA_G
ClientSampleId :
SP19-LF2MW3

Tgt Ion:152 Resp: 26908
Ion Ratio Lower Upper
152 100
150 157.2 112.4 168.6
115 59.2 44.6 66.8



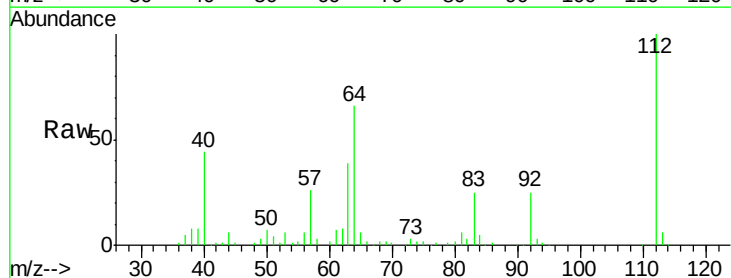
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



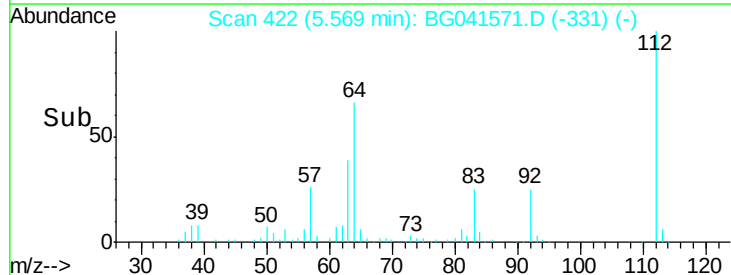
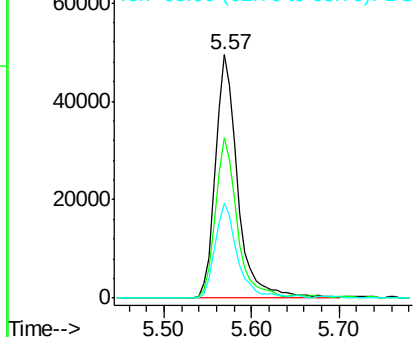
#5

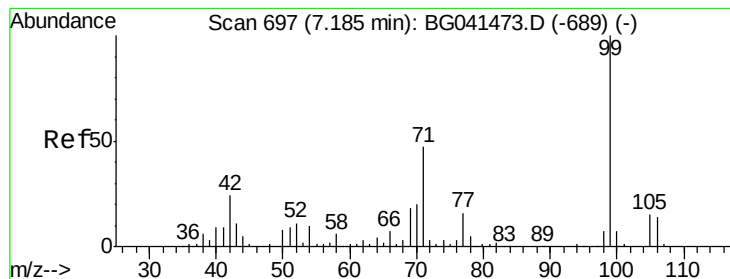
2-Fluorophenol
Concen: 57.982 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG041571.D
Acq: 2 Jul 2019 14:01

Tgt Ion:112 Resp: 87510
Ion Ratio Lower Upper
112 100
64 65.9 55.1 82.7
63 38.9 32.4 48.6



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: 31.929 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW3

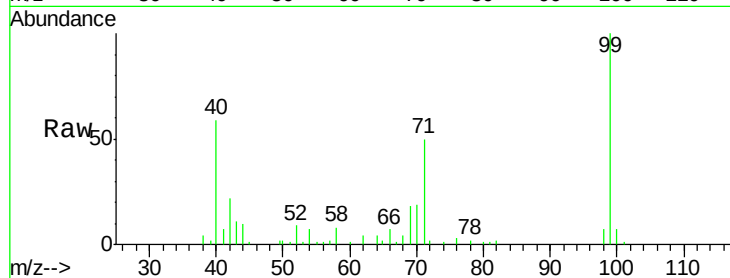
Tgt Ion: 99 Resp: 67839

Ion Ratio Lower Upper

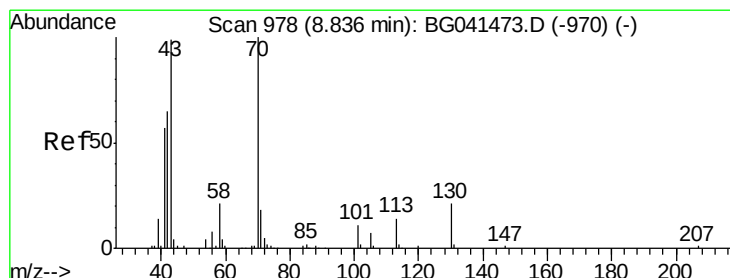
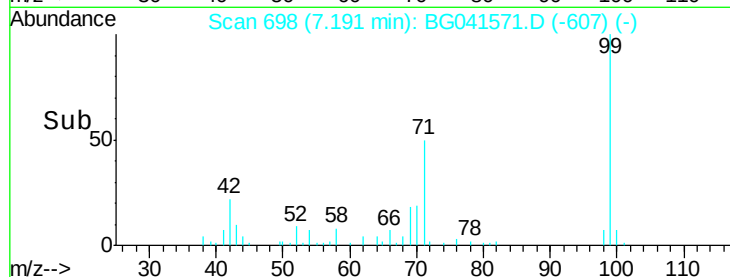
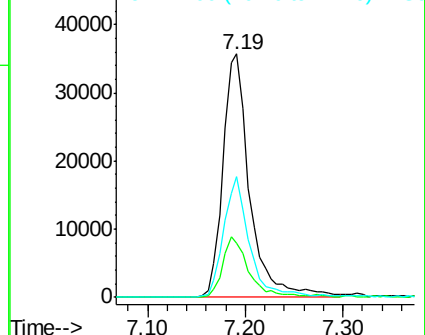
99 100

42 22.2 19.0 28.6

71 49.6 37.4 56.2



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: 18.149 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.38 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

Tgt Ion: 70 Resp: 28762

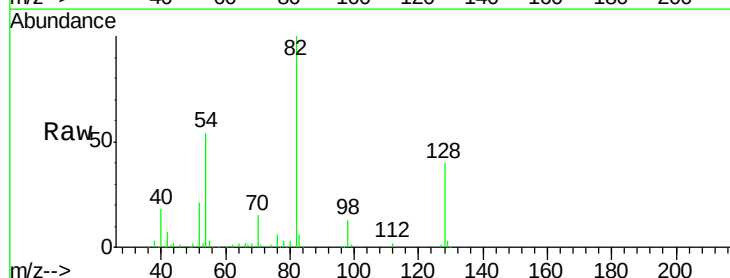
Ion Ratio Lower Upper

70 100

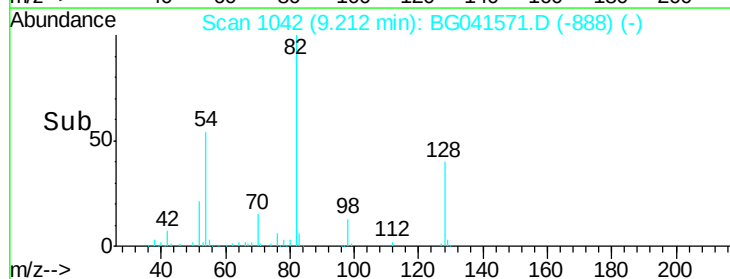
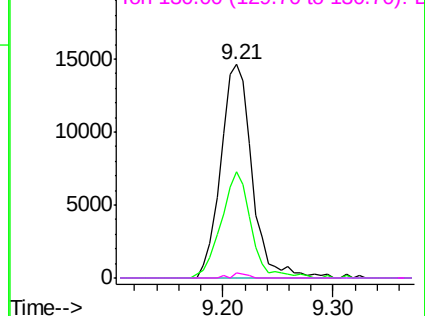
42 49.7 52.6 78.8#

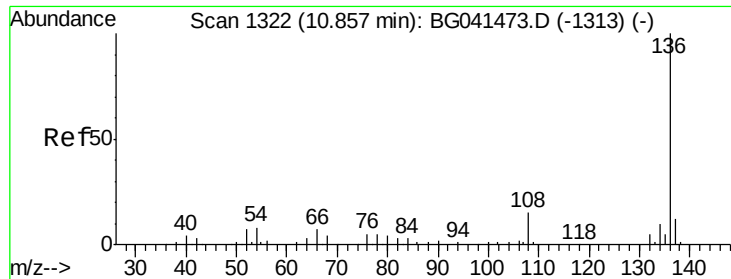
101 0.0 8.6 13.0#

130 2.6 16.6 25.0#



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

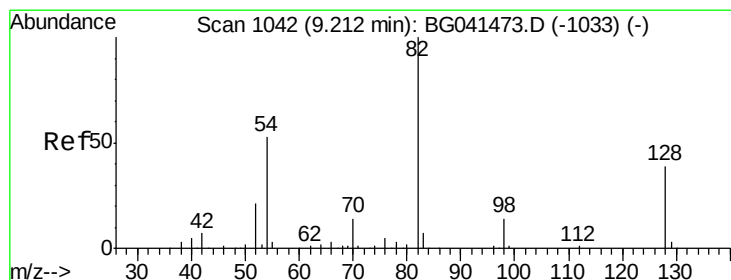
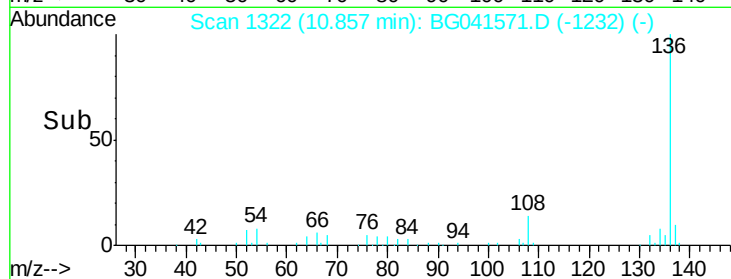
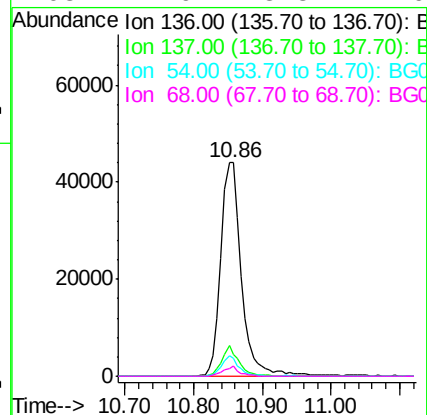
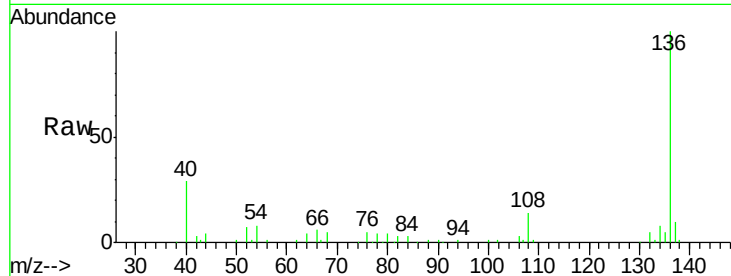




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041571.D
Acq: 2 Jul 2019 14:01

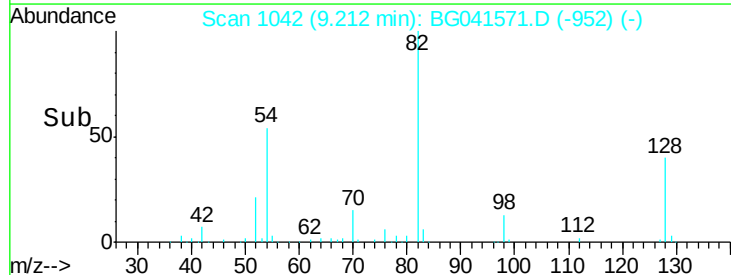
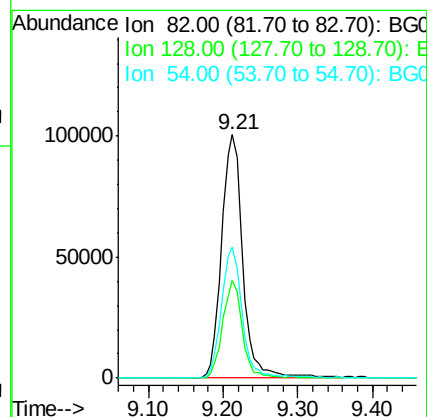
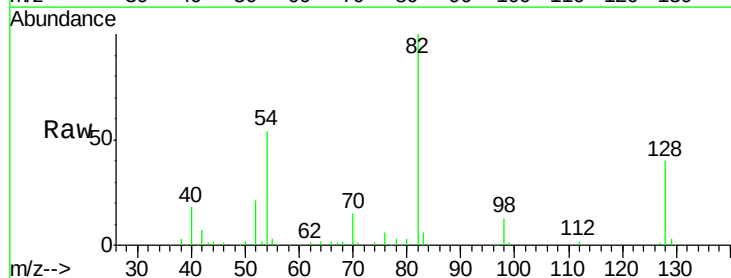
Instrument :
BNA_G
ClientSampleId :
SP19-LF2MW3

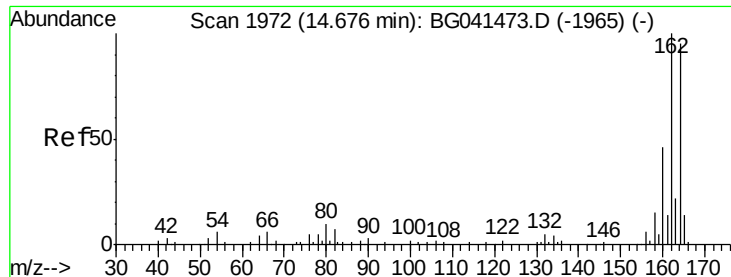
Tgt Ion: 136 Resp: 92046
Ion Ratio Lower Upper
136 100
137 10.1 9.3 13.9
54 8.2 7.1 10.7
68 4.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 90.036 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041571.D
Acq: 2 Jul 2019 14:01

Tgt Ion: 82 Resp: 198706
Ion Ratio Lower Upper
82 100
128 40.0 30.9 46.3
54 53.7 42.2 63.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW3

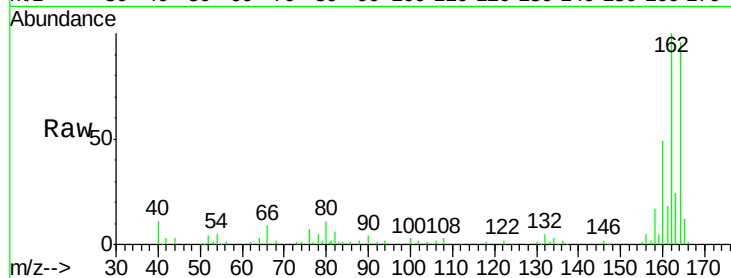
Tgt Ion:164 Resp: 63294

Ion Ratio Lower Upper

164 100

162 104.3 84.4 126.6

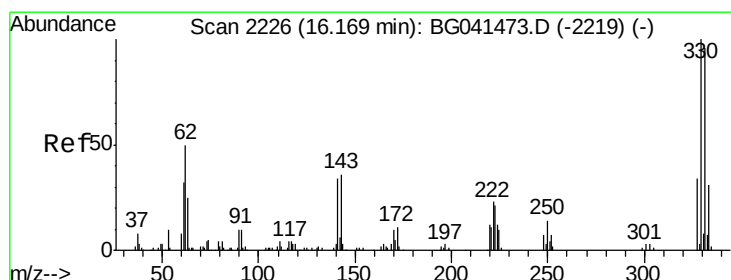
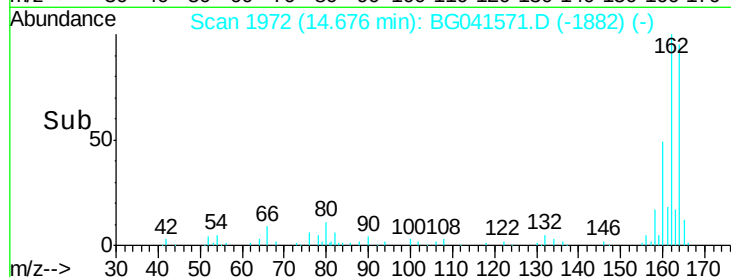
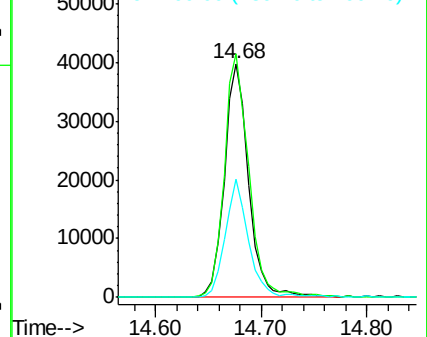
160 50.8 38.8 58.2



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: 153.489 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

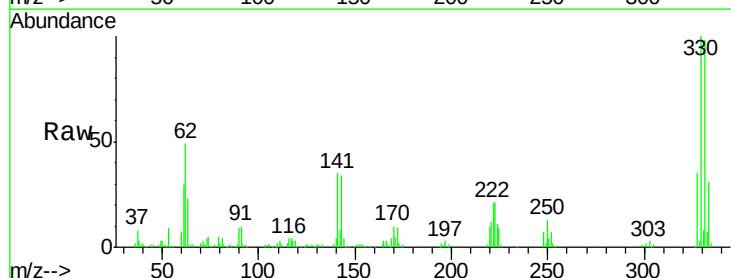
Tgt Ion:330 Resp: 165876

Ion Ratio Lower Upper

330 100

332 93.5 75.5 113.3

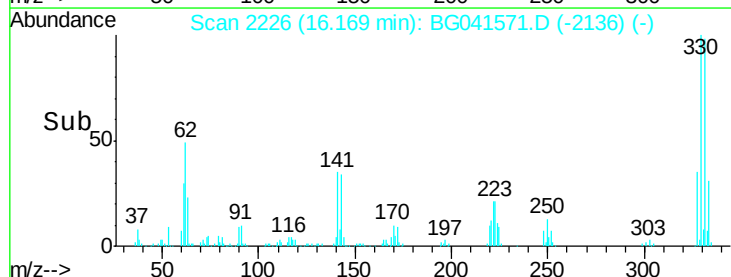
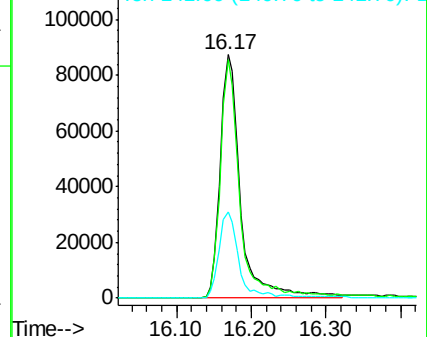
141 34.8 27.8 41.6

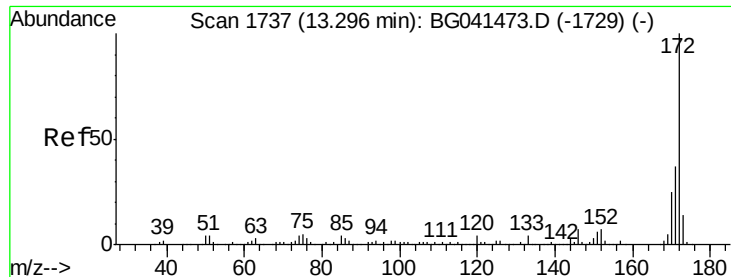


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

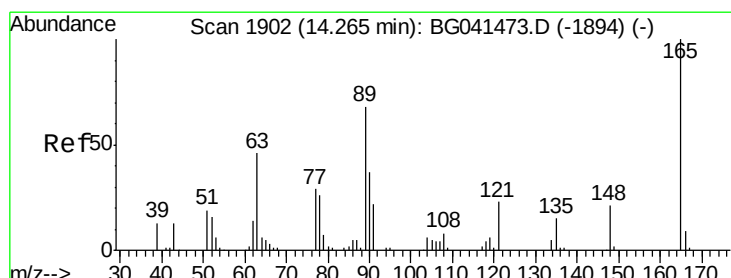
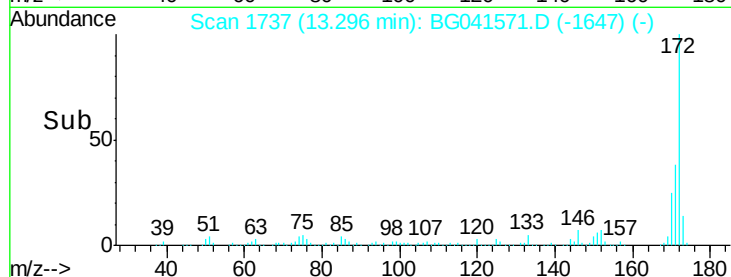
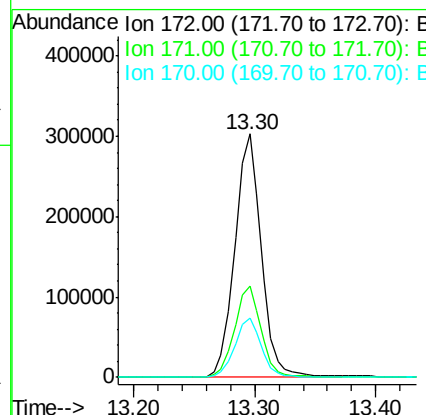
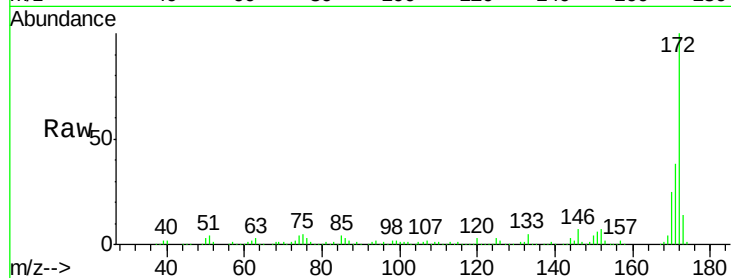




#45
 2-Fluorobiphenyl
 Concen: 93.857 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

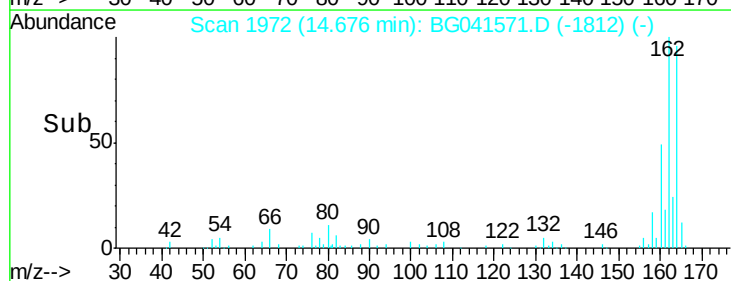
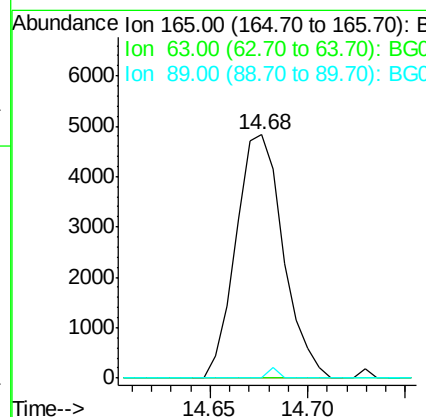
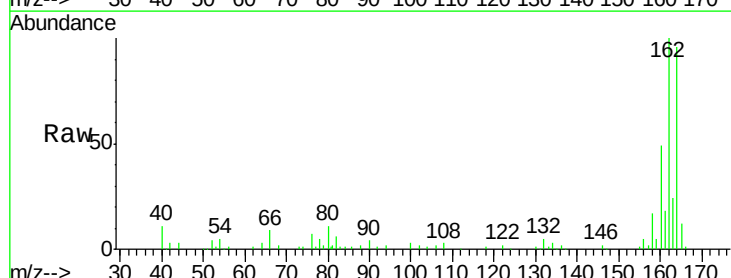
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 SP19-LF2MW3

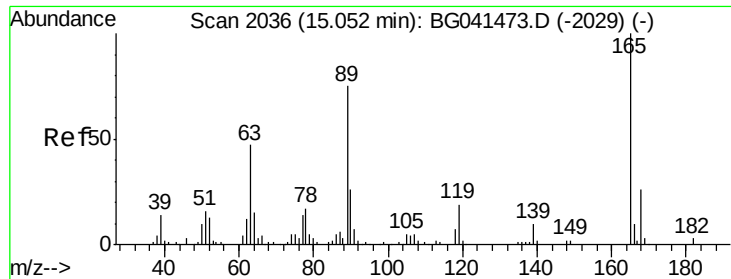
Tgt Ion:172 Resp: 462929
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.6 44.4
 170 24.5 20.0 30.0



#51
 2,6-Dinitrotoluene
 Concen: 6.619 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

Tgt Ion:165 Resp: 8091
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.4 84.6#
 89 0.0 54.6 81.8#

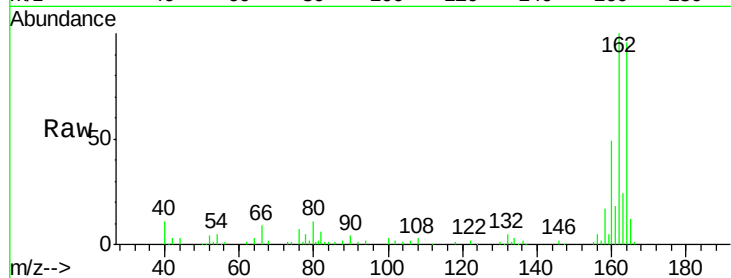




#57
 2,4-Dinitrotoluene
 Concen: 4.563 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	0.0	60.1	90.1#
182	0.0	2.2	3.2#

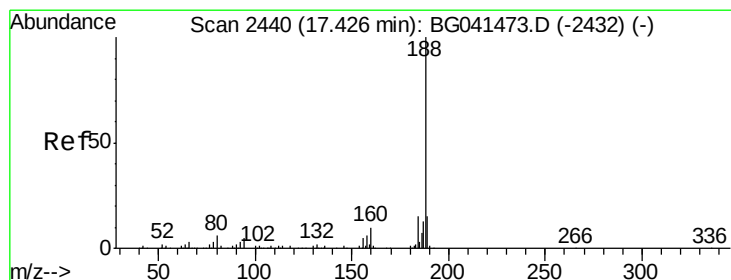
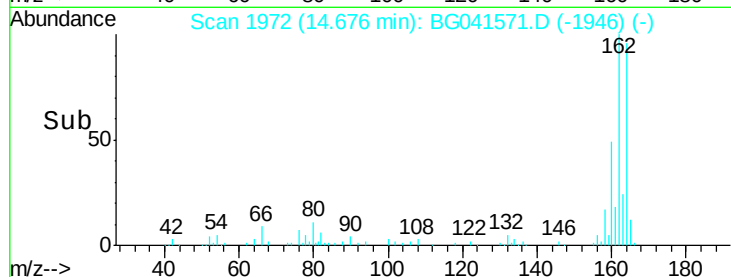
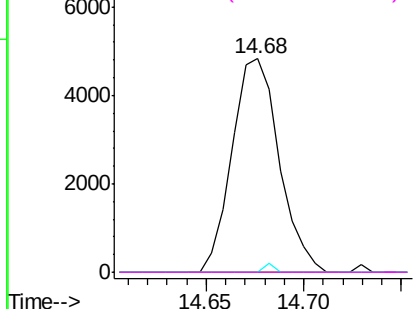


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

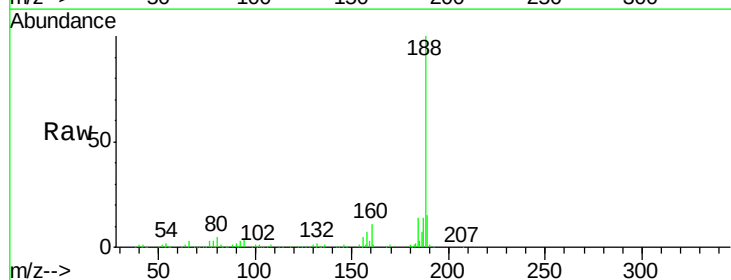
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

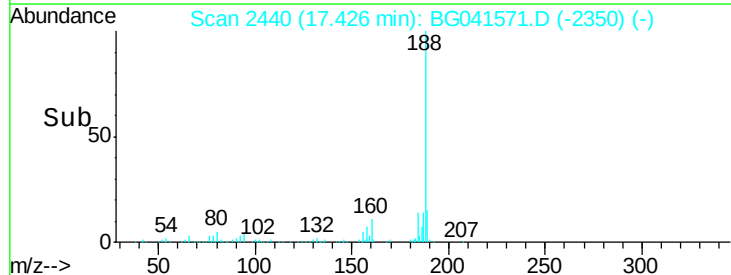
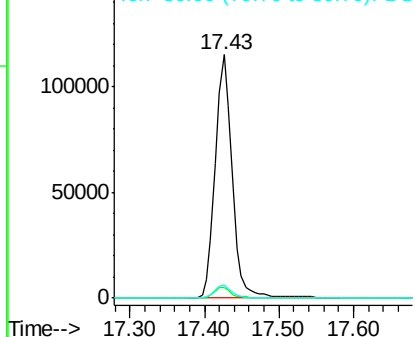
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.8	5.8
80	5.4	4.8	7.2

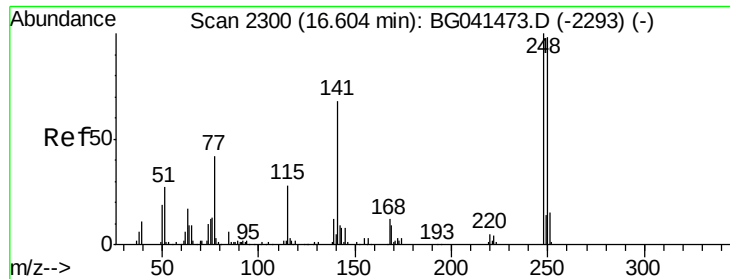


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

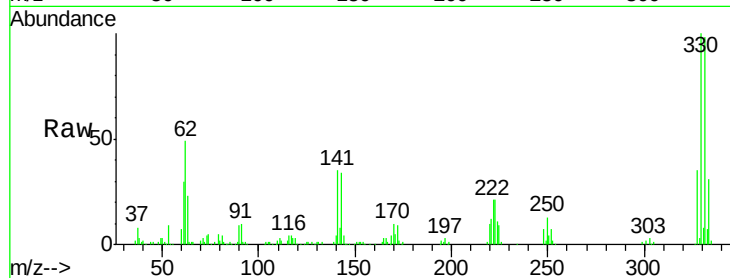




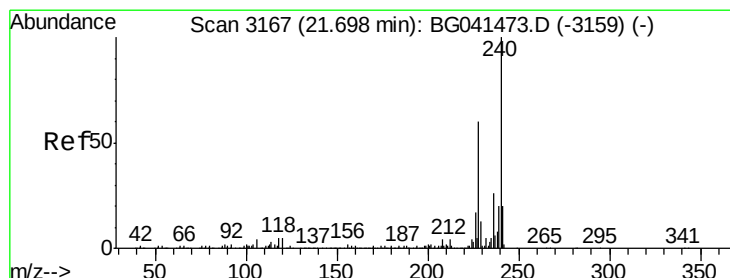
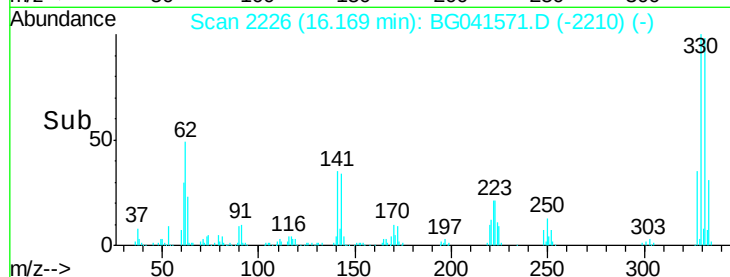
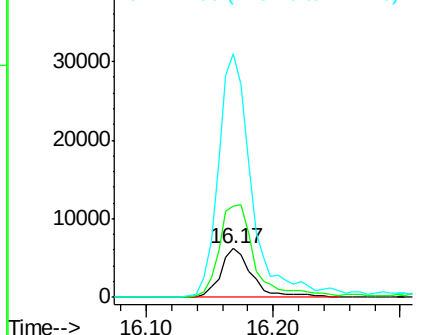
#67
 4-Bromophenyl-phenylether
 Concen: 4.318 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.43 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW3

Tgt Ion:248 Resp: 10755
 Ion Ratio Lower Upper
 248 100
 250 251.0 78.1 117.1#
 141 499.8 54.1 81.1#

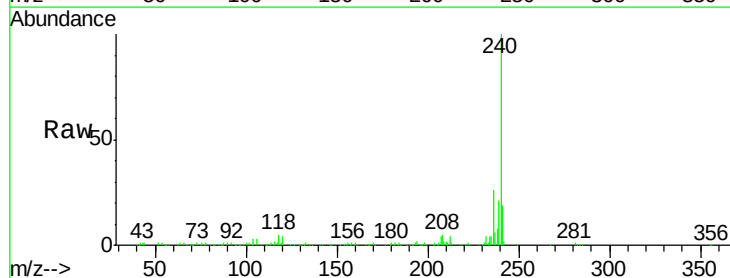


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

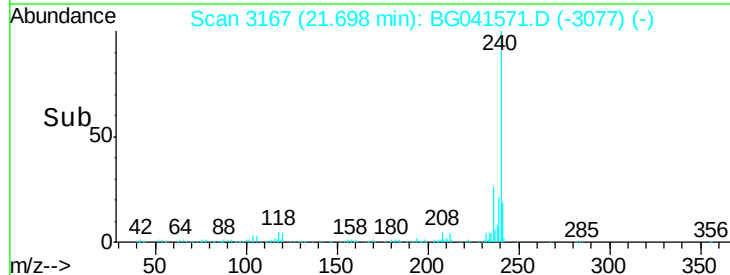
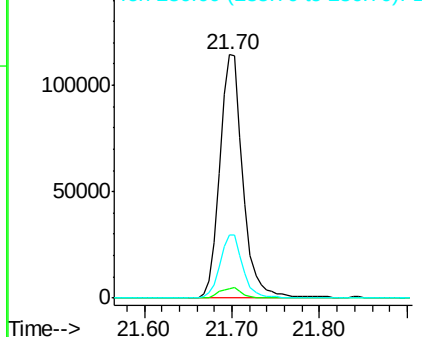


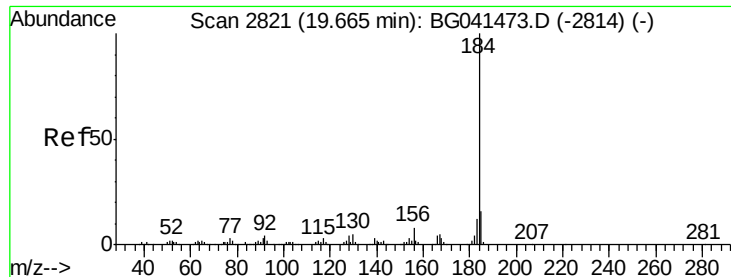
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: BG041571.D
 Acq: 2 Jul 2019 14:01

Tgt Ion:240 Resp: 209874
 Ion Ratio Lower Upper
 240 100
 120 4.1 3.7 5.5
 236 26.1 20.8 31.2



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: 3.692 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW3

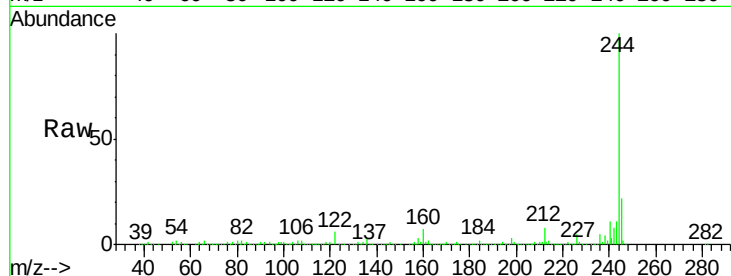
Tgt Ion:184 Resp: 17193

Ion Ratio Lower Upper

184 100

185 16.5 12.7 19.1

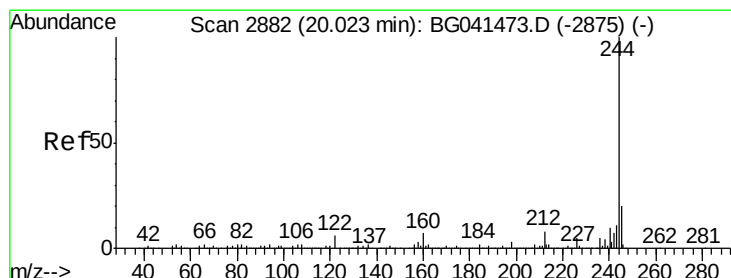
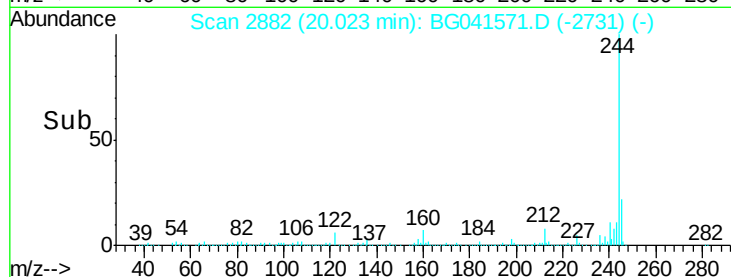
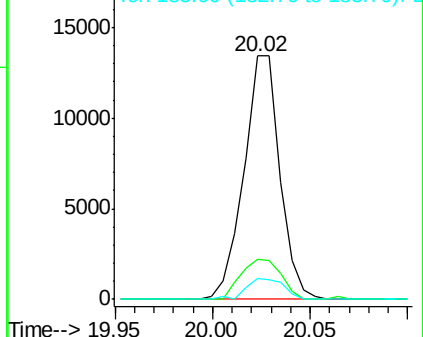
183 8.7 9.4 14.2#



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: 107.244 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041571.D

Acq: 2 Jul 2019 14:01

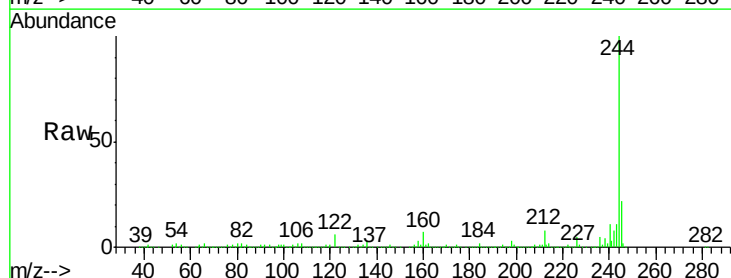
Tgt Ion:244 Resp: 1059147

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

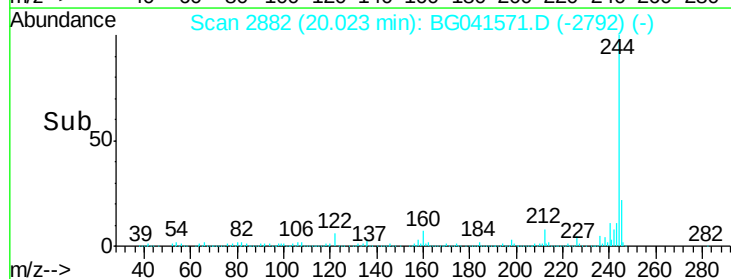
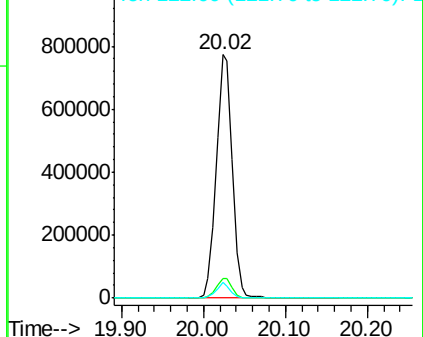
122 6.3 4.8 7.2

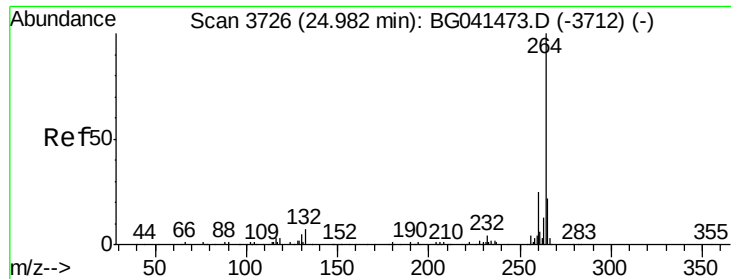


Abundance Ion 244.00 (243.70 to 244.70): E

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. 0.01 min
Lab File: BG041571.D
Acq: 2 Jul 2019 14:01

Instrument :
BNA_G
ClientSampleId :
SP19-LF2MW3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.7	29.5
265	21.8	17.4	26.2

