

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070219\
 Data File : BG041569.D
 Acq On : 2 Jul 2019 12:45
 Operator : HP/JU
 Sample : K3519-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2RES

Quant Time: Jul 12 07:25:37 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

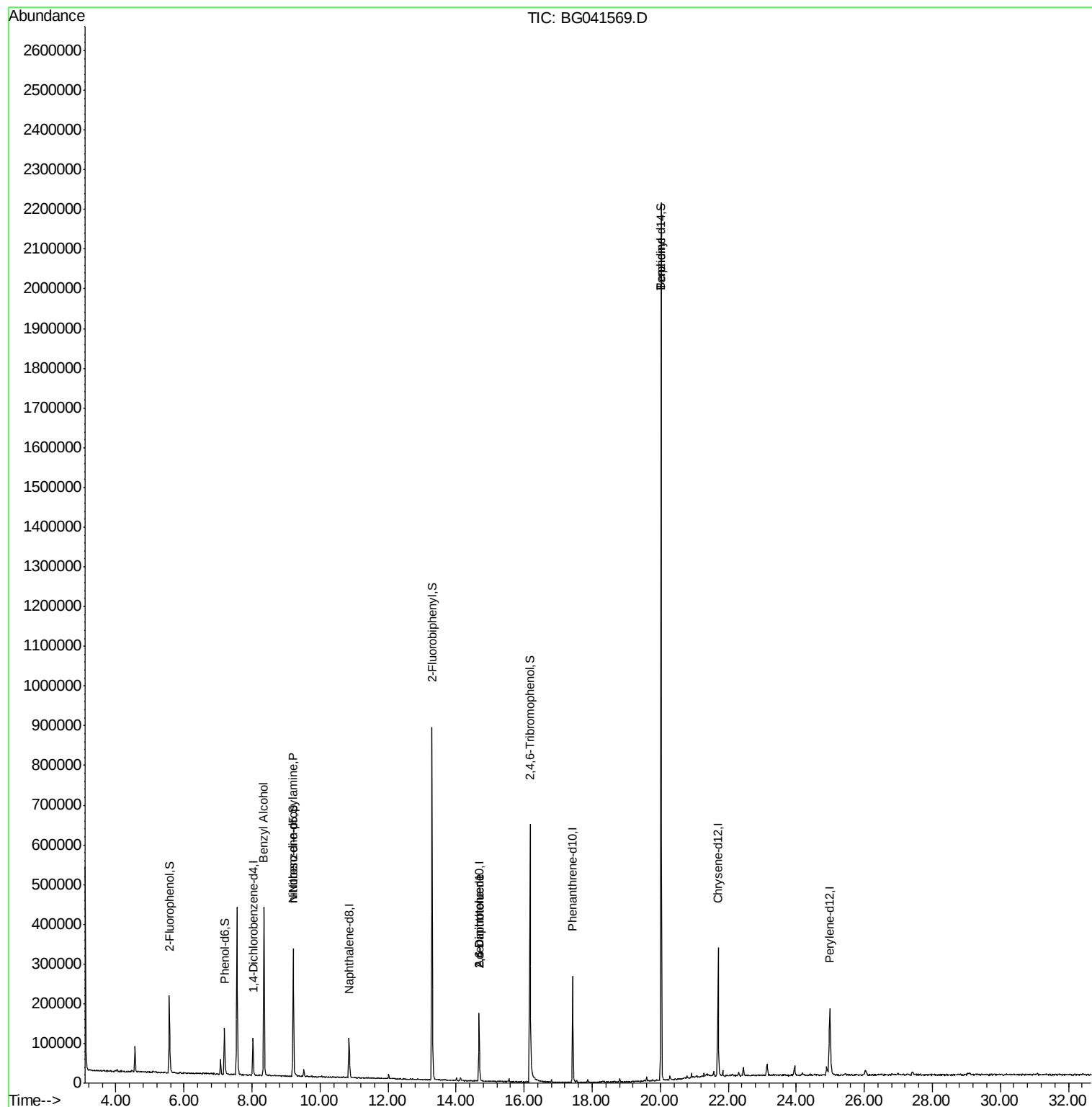
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27429	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	90634	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	63023	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	178407	20.00	ng	0.00
76) Chrysene-d12	21.70	240	209747	20.00	ng	0.00
87) Perylene-d12	24.99	264	222582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	86543	56.25	ng	0.00
7) Phenol-d6	7.19	99	67994	31.39	ng	0.00
23) Nitrobenzene-d5	9.21	82	203662	93.72	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	162344	150.87	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	473250	96.36	ng	0.00
79) Terphenyl-d14	20.03	244	1035791	104.94	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3756	2.178	ng	# 58
19) n-Nitroso-di-n-propylamine	9.21	70	28201	17.457	ng	# 79
51) 2,6-Dinitrotoluene	14.67	165	8091	6.648	ng	# 15
57) 2,4-Dinitrotoluene	14.67	165	8091	4.582	ng	# 20
77) Benzidine	20.03	184	17020	3.657	ng	95

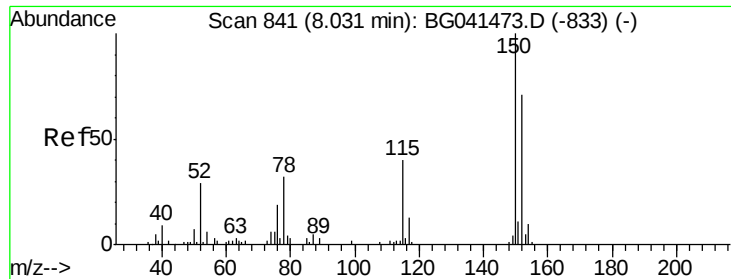
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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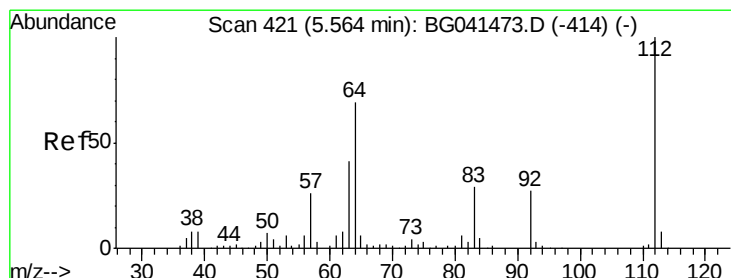
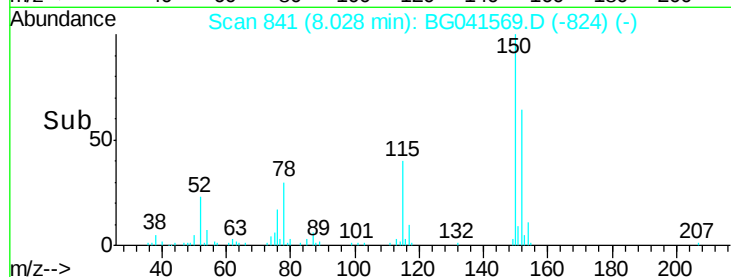
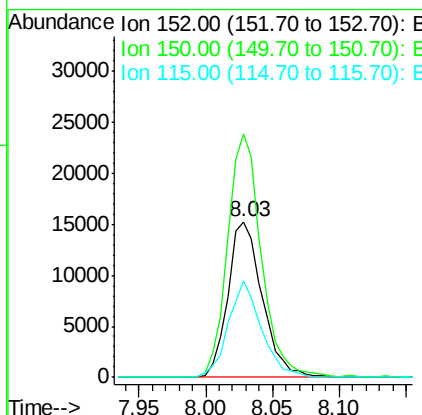
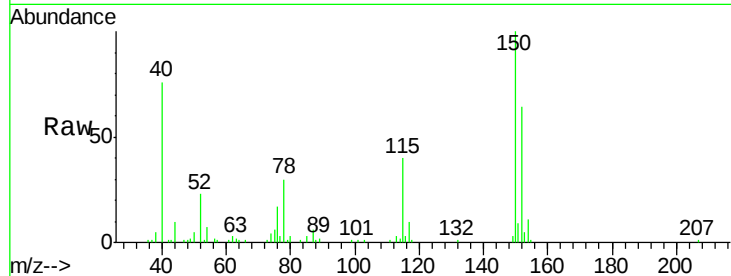


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041569.D
Acq: 2 Jul 2019 12:45

Instrument :
BNA_G
ClientSampleId :
SP19-LF2RES0

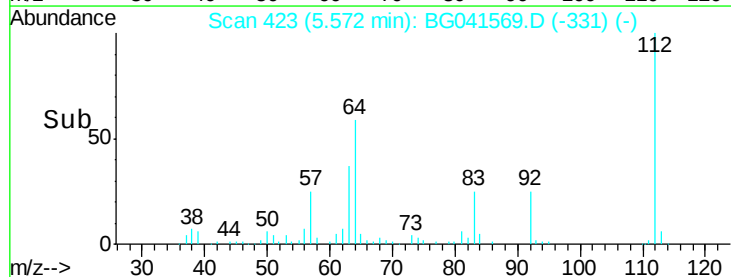
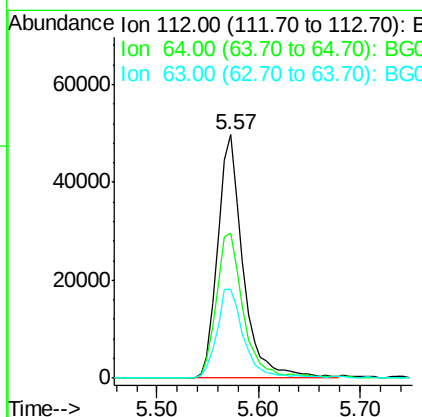
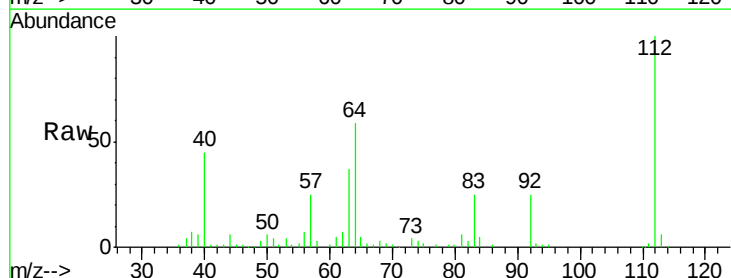
Tgt Ion:152 Resp: 27429
Ion Ratio Lower Upper
152 100
150 156.8 112.4 168.6
115 62.1 44.6 66.8



#5

2-Fluorophenol
Concen: 56.252 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG041569.D
Acq: 2 Jul 2019 12:45

Tgt Ion:112 Resp: 86543
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 36.6 32.4 48.6





#7

Phenol-d6

Concen: 31.395 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Instrument :

BNA_G

ClientSampleId :

SP19-LF2RES

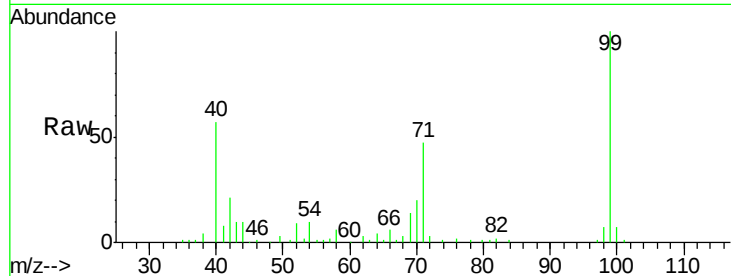
Tgt Ion: 99 Resp: 67994

Ion Ratio Lower Upper

99 100

42 21.5 19.0 28.6

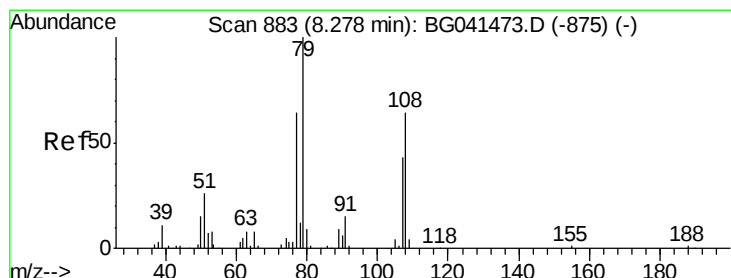
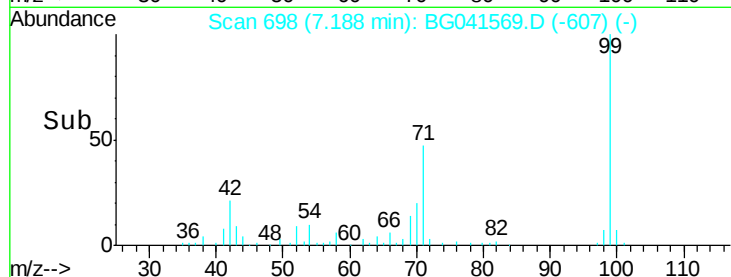
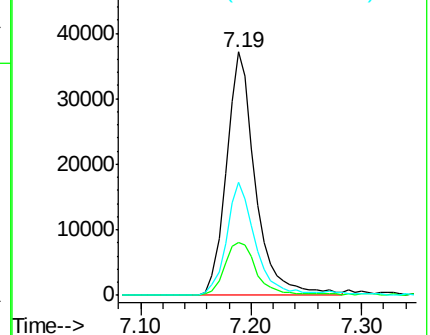
71 46.6 37.4 56.2



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



#15

Benzyl Alcohol

Concen: 2.178 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

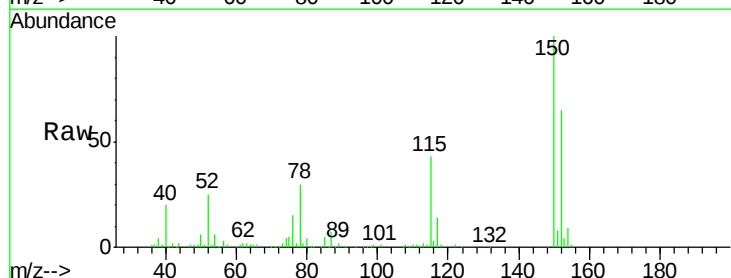
Tgt Ion: 79 Resp: 3756

Ion Ratio Lower Upper

79 100

108 40.1 51.4 77.0#

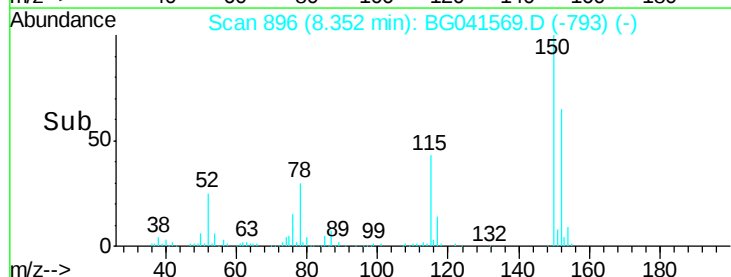
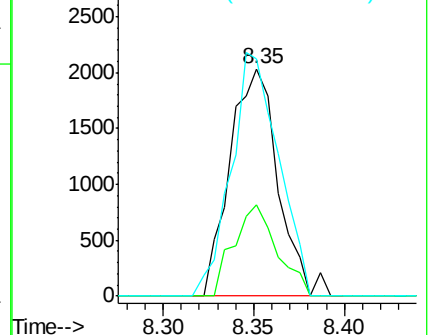
77 104.6 50.8 76.2#

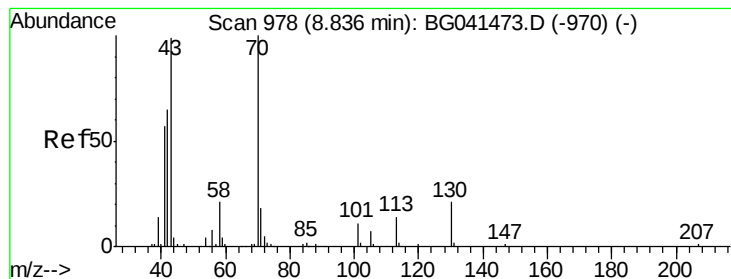


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.457 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Instrument :

BNA_G

ClientSampleId :

SP19-LF2RES

Tgt Ion: 70 Resp: 28201

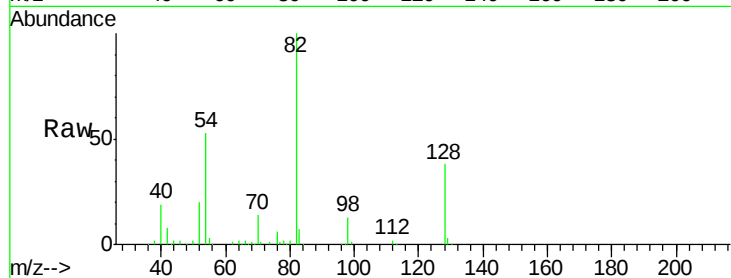
Ion Ratio Lower Upper

70 100

42 55.3 52.6 78.8

101 0.0 8.6 13.0#

130 1.8 16.6 25.0#

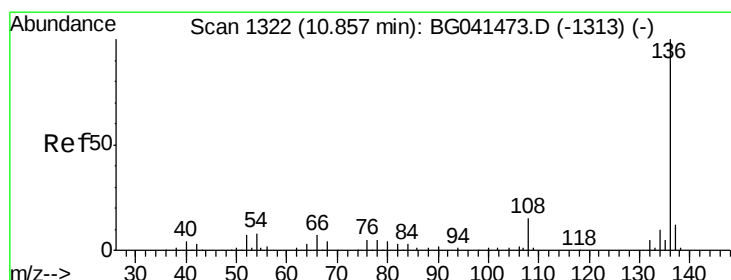
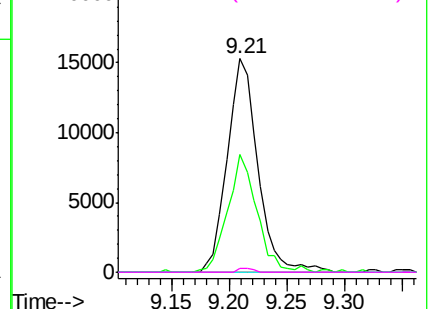
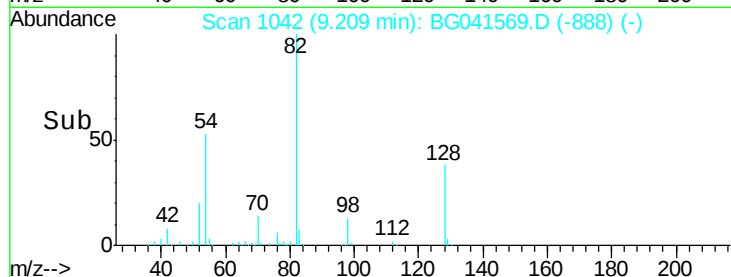


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.85 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Tgt Ion: 136 Resp: 90634

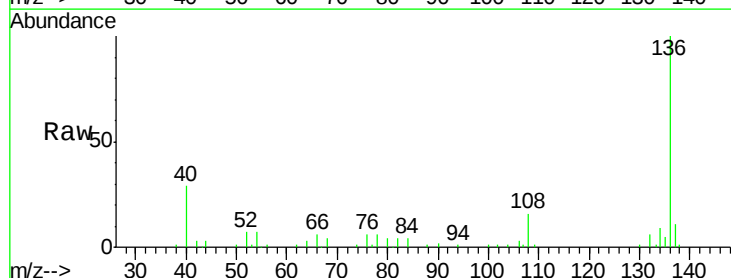
Ion Ratio Lower Upper

136 100

137 10.5 9.3 13.9

54 6.9 7.1 10.7#

68 4.1 3.3 4.9

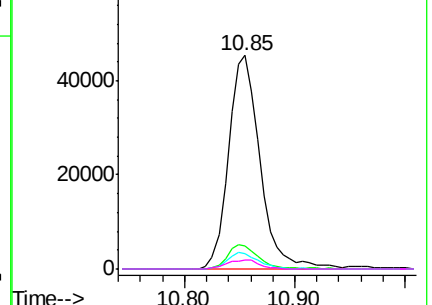
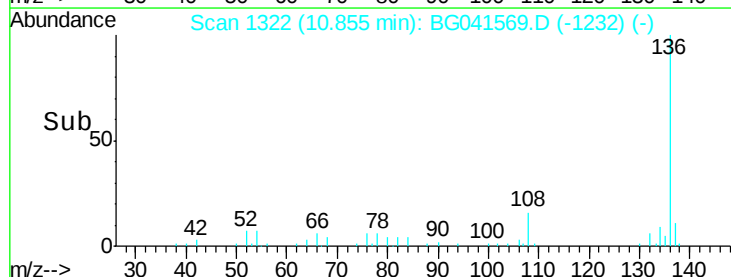


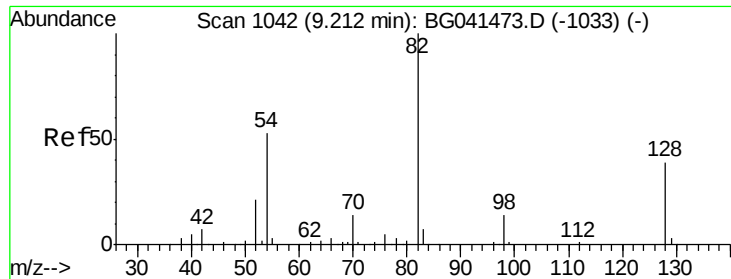
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

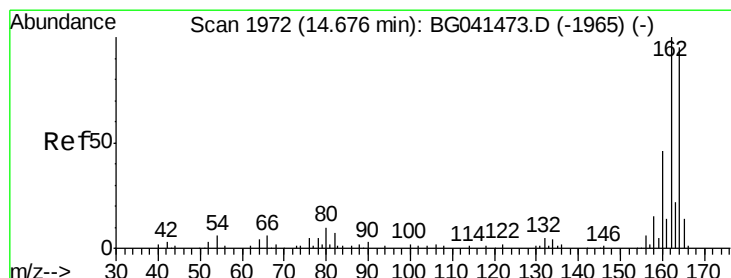
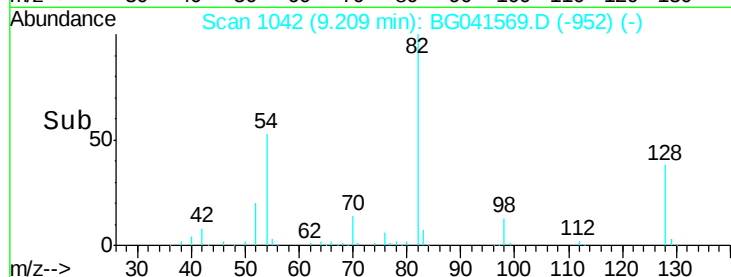
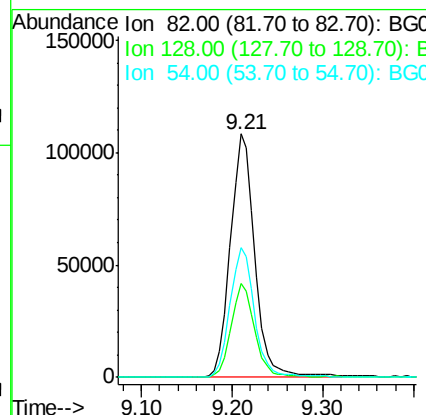
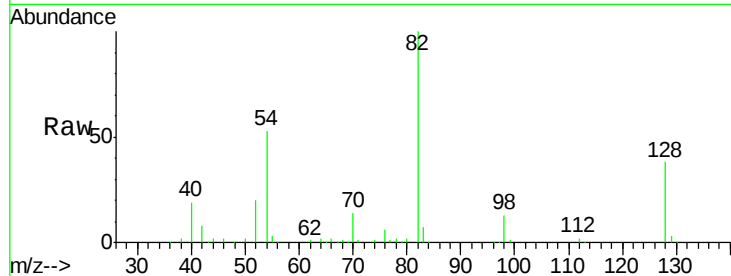




#23
 Nitrobenzene-d5
 Concen: 93.719 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041569.D
 Acq: 2 Jul 2019 12:45

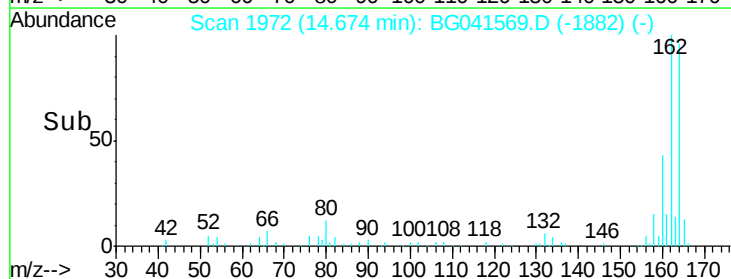
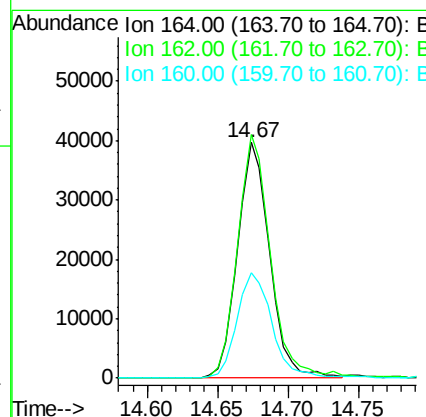
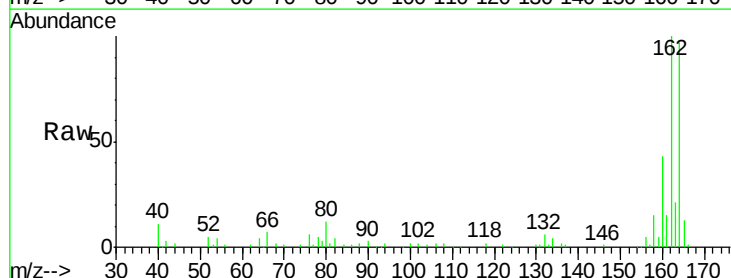
Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2RES

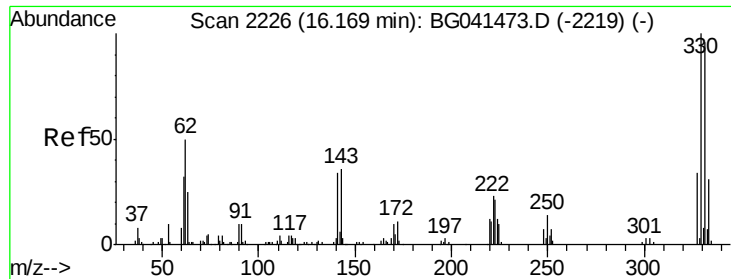
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.9	46.3
54	53.3	42.2	63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041569.D
 Acq: 2 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	84.4	126.6
160	44.9	38.8	58.2

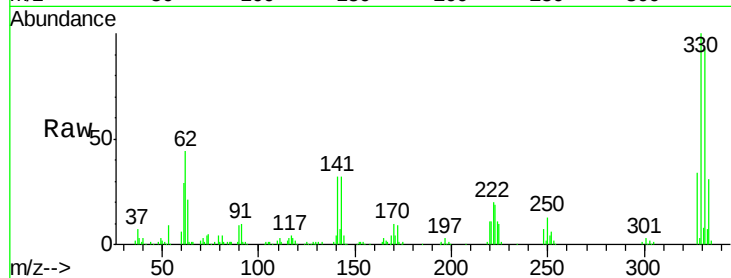




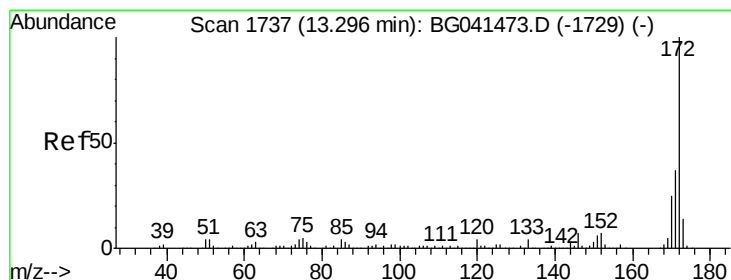
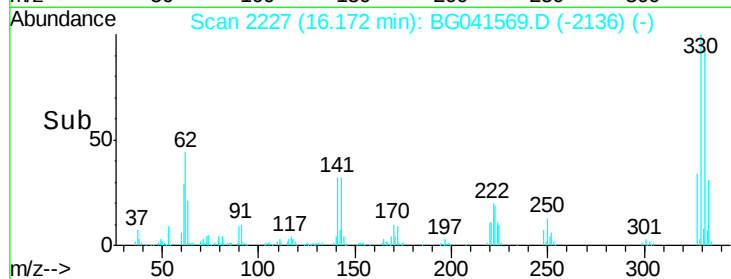
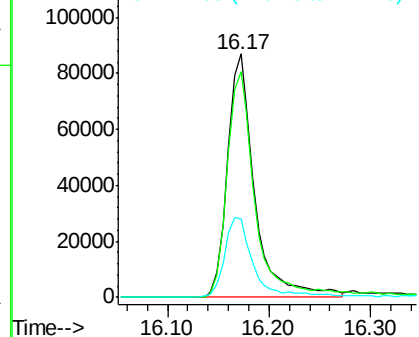
#42
 2,4,6-Tribromophenol
 Concen: 150.867 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. 0.00 min
 Lab File: BG041569.D
 Acq: 2 Jul 2019 12:45

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2RESD

Tgt Ion:330 Resp: 162344
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.5 113.3
 141 33.8 27.8 41.6

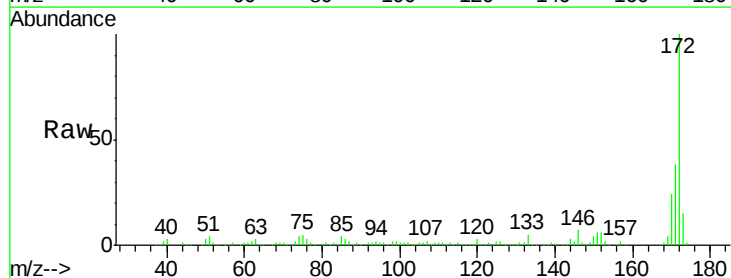


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

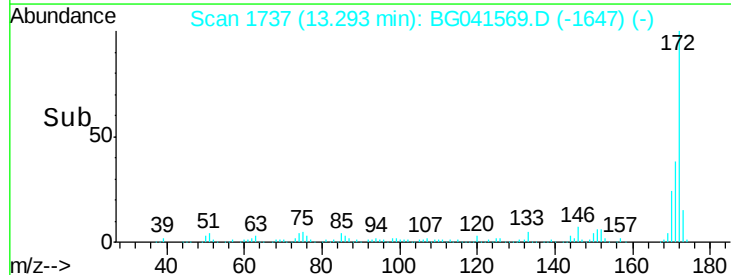
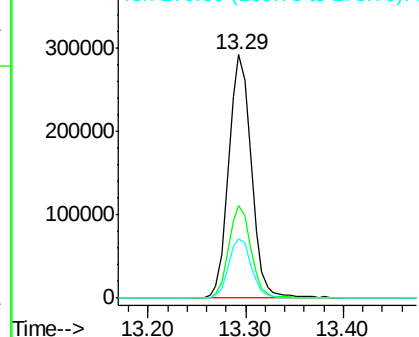


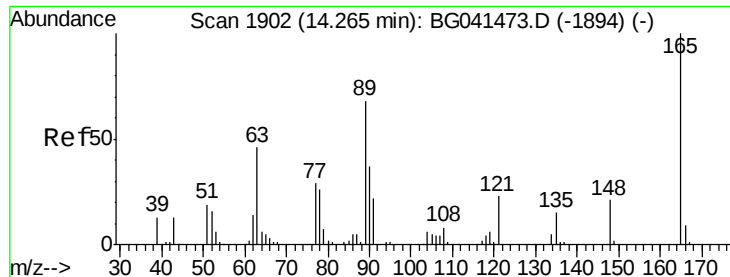
#45
 2-Fluorobiphenyl
 Concen: 96.362 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041569.D
 Acq: 2 Jul 2019 12:45

Tgt Ion:172 Resp: 473250
 Ion Ratio Lower Upper
 172 100
 171 38.2 29.6 44.4
 170 24.2 20.0 30.0



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





#51

2,6-Dinitrotoluene

Concen: 6.648 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Instrument :

BNA_G

ClientSampleId :

SP19-LF2RES

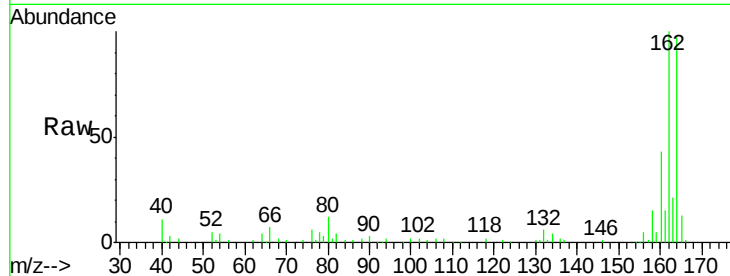
Tgt Ion:165 Resp: 8091

Ion Ratio Lower Upper

165 100

63 0.0 56.4 84.6#

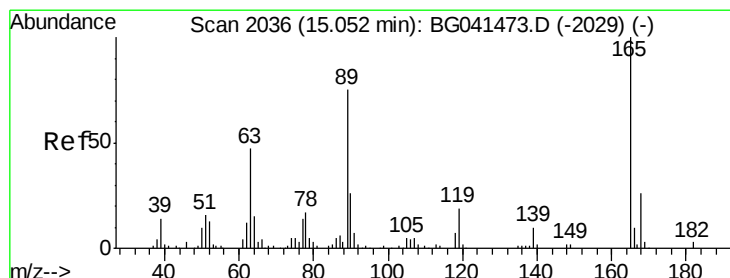
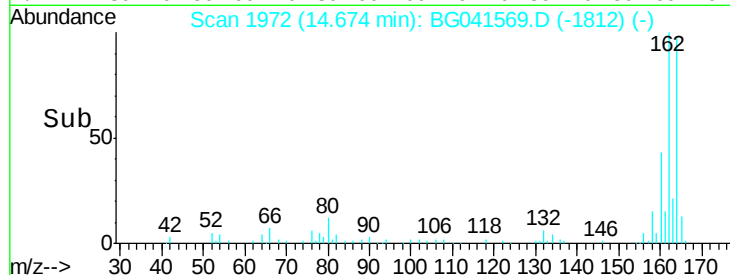
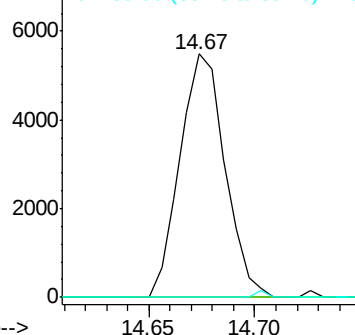
89 0.0 54.6 81.8#



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



#57

2,4-Dinitrotoluene

Concen: 4.582 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Tgt Ion:165 Resp: 8091

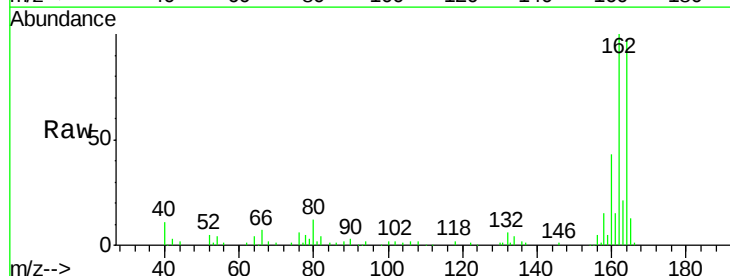
Ion Ratio Lower Upper

165 100

63 0.0 38.8 58.2#

89 0.0 60.1 90.1#

182 0.0 2.2 3.2#

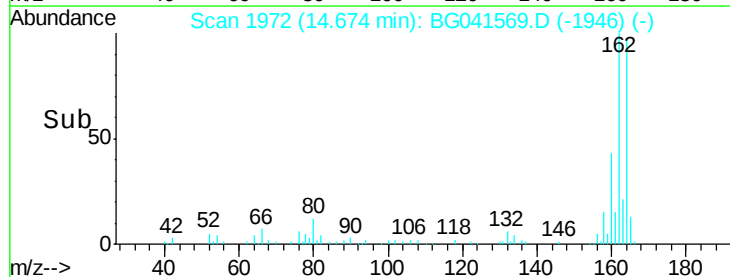
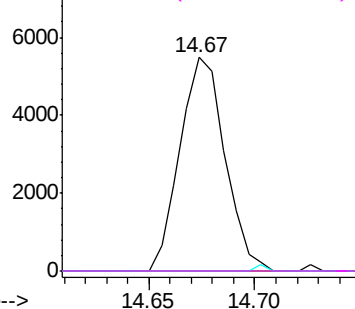


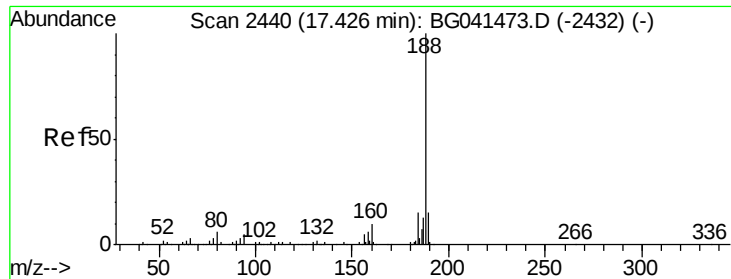
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Instrument :

BNA_G

ClientSampleId :

SP19-LF2RES

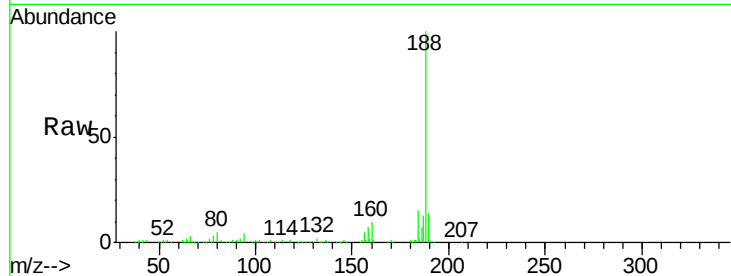
Tgt Ion:188 Resp: 178407

Ion Ratio Lower Upper

188 100

94 4.3 3.8 5.8

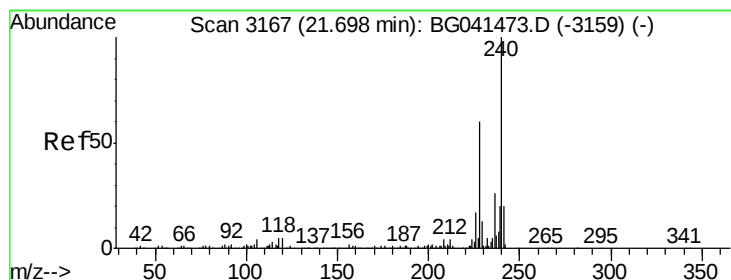
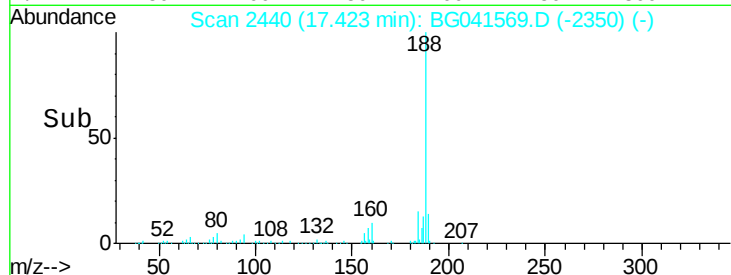
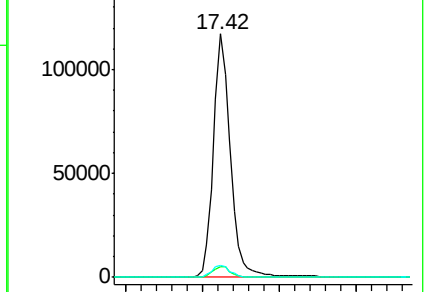
80 4.9 4.8 7.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

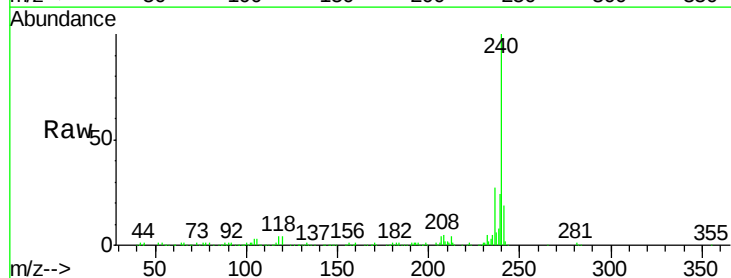
Tgt Ion:240 Resp: 209747

Ion Ratio Lower Upper

240 100

120 4.3 3.7 5.5

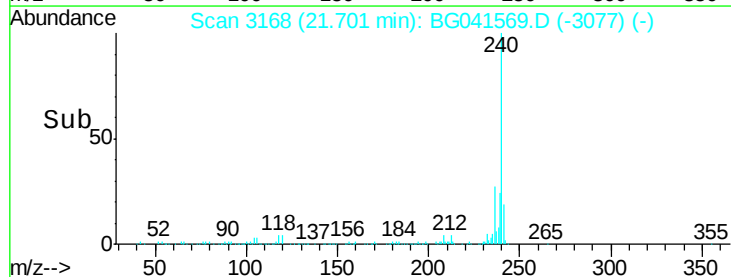
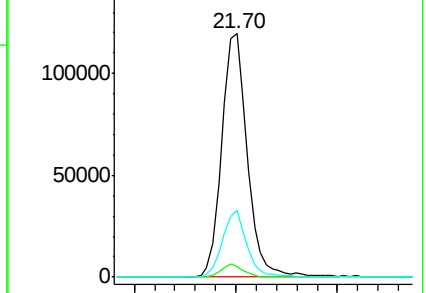
236 27.5 20.8 31.2

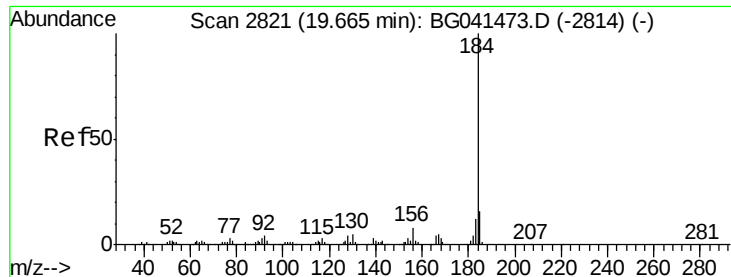


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.657 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

Instrument :

BNA_G

ClientSampleId :

SP19-LF2RES

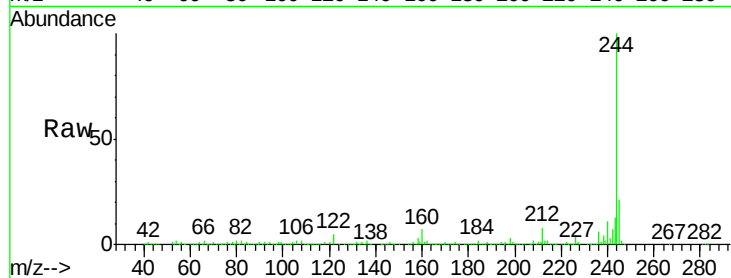
Tgt Ion:184 Resp: 17020

Ion Ratio Lower Upper

184 100

185 18.4 12.7 19.1

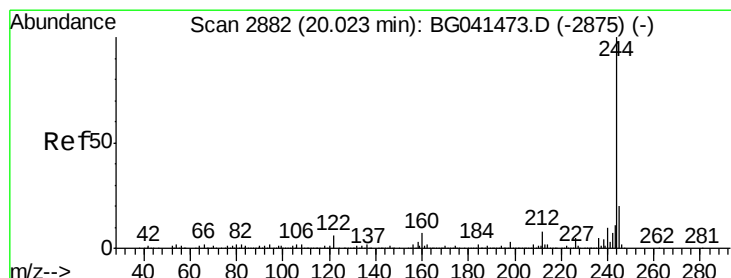
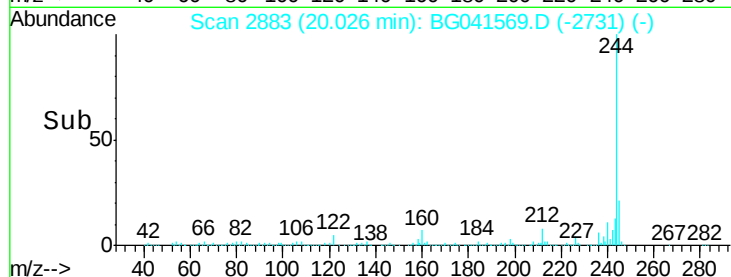
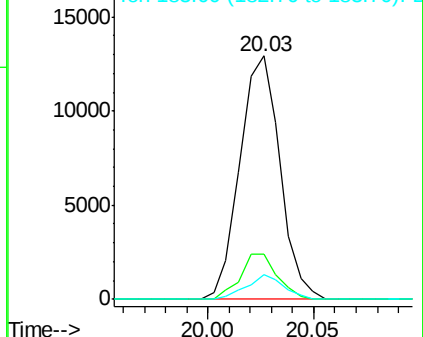
183 10.0 9.4 14.2



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: 104.943 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041569.D

Acq: 2 Jul 2019 12:45

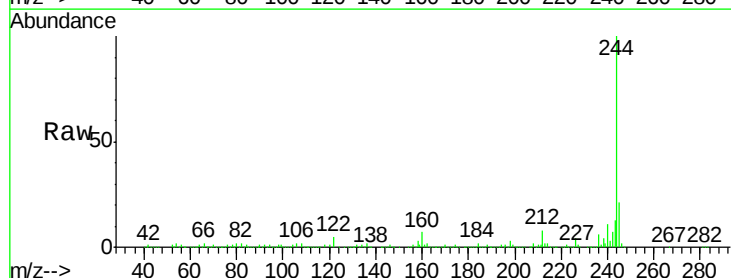
Tgt Ion:244 Resp: 1035791

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

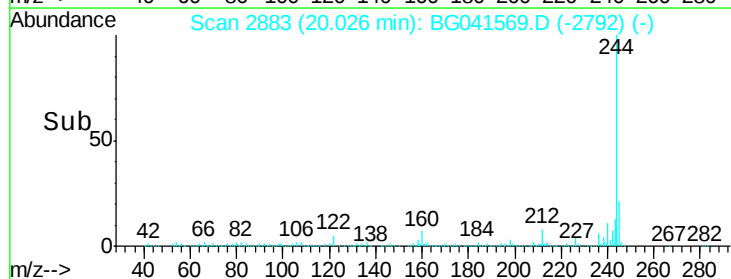
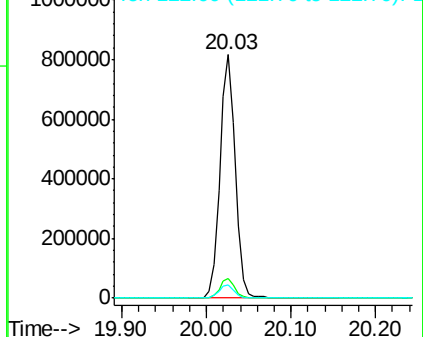
122 5.5 4.8 7.2

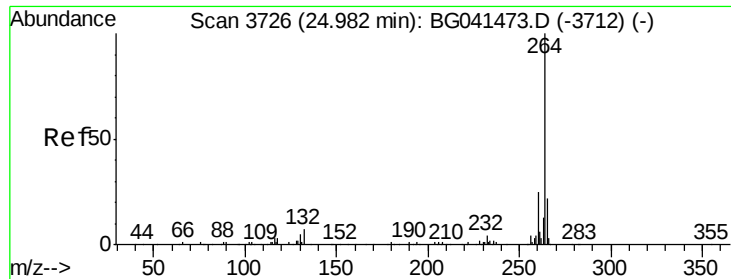


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3728
Delta R.T. 0.01 min
Lab File: BG041569.D
Acq: 2 Jul 2019 12:45

Instrument :
BNA_G
ClientSampleId :
SP19-LF2RES

Tgt Ion: 264 Resp: 222582

Ion	Ratio	Lower	Upper
264	100		
260	21.6	19.7	29.5
265	19.3	17.4	26.2

