

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070219\
 Data File : BG041573.D
 Acq On : 2 Jul 2019 15:17
 Operator : HP/JU
 Sample : K3519-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW4

Quant Time: Jul 12 07:26:27 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

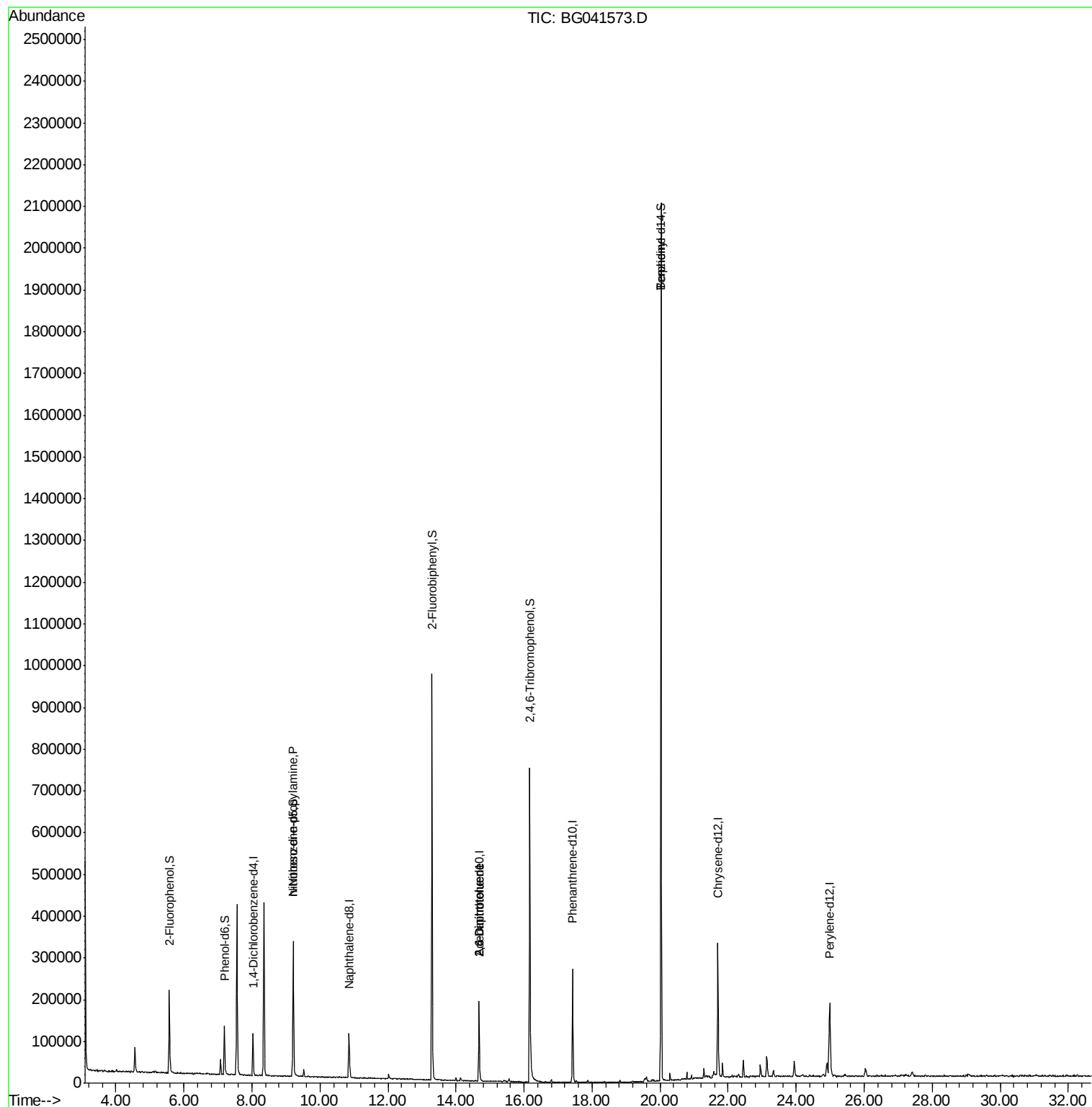
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	28657	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	94596	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	68270	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	187585	20.00	ng	0.00
76) Chrysene-d12	21.70	240	217027	20.00	ng	0.00
87) Perylene-d12	24.98	264	228771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	85309	53.07	ng	0.00
7) Phenol-d6	7.19	99	68561	30.30	ng	0.00
23) Nitrobenzene-d5	9.21	82	204816	90.30	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	169997	145.84	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	486002	91.35	ng	0.00
79) Terphenyl-d14	20.03	244	1045949	102.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	29484	17.469	ng	# 71
51) 2,6-Dinitrotoluene	14.68	165	8536	6.474	ng	# 15
57) 2,4-Dinitrotoluene	14.68	165	8536	4.463	ng	# 20
77) Benzidine	20.03	184	17975	3.733	ng	# 95

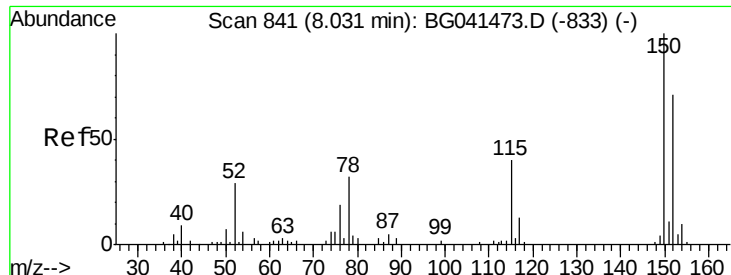
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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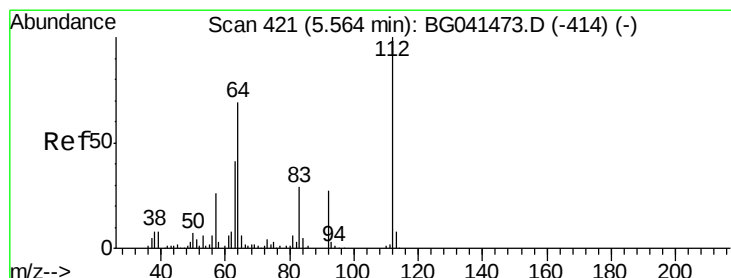
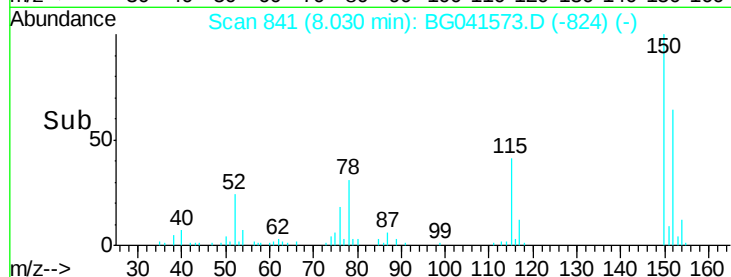
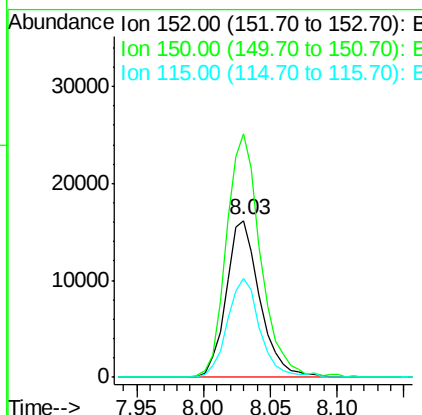
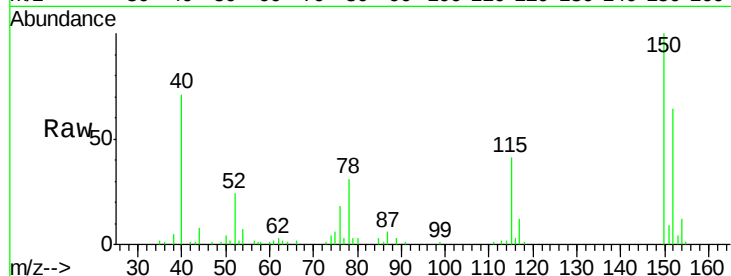




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BG041573.D
 Acq: 2 Jul 2019 15:17

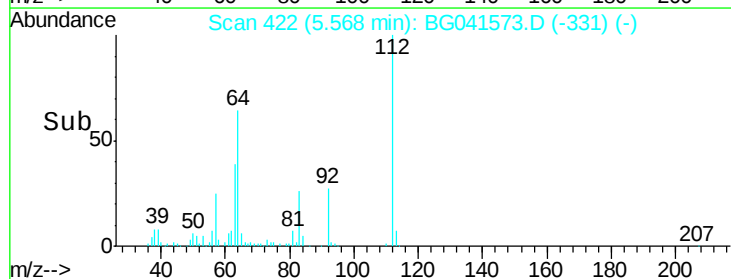
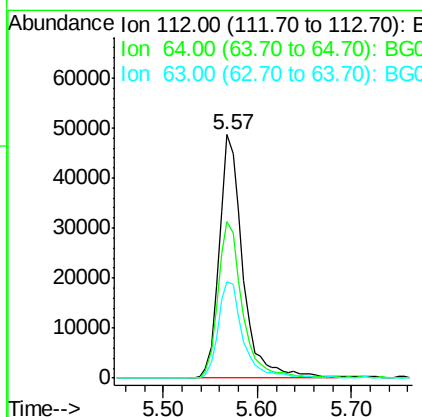
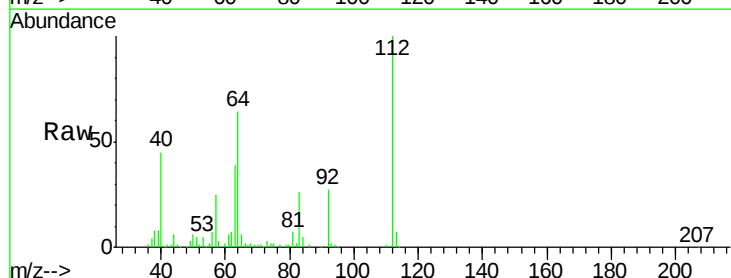
Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW4

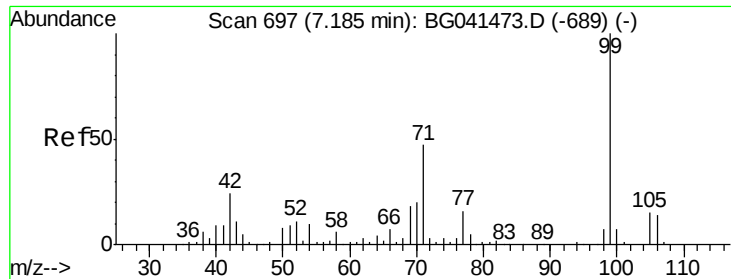
Tgt Ion:152 Resp: 28657
 Ion Ratio Lower Upper
 152 100
 150 155.0 112.4 168.6
 115 63.4 44.6 66.8



#5
 2-Fluorophenol
 Concen: 53.074 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BG041573.D
 Acq: 2 Jul 2019 15:17

Tgt Ion:112 Resp: 85309
 Ion Ratio Lower Upper
 112 100
 64 64.1 55.1 82.7
 63 39.4 32.4 48.6





#7

Phenol-d6

Concen: 30.300 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW4

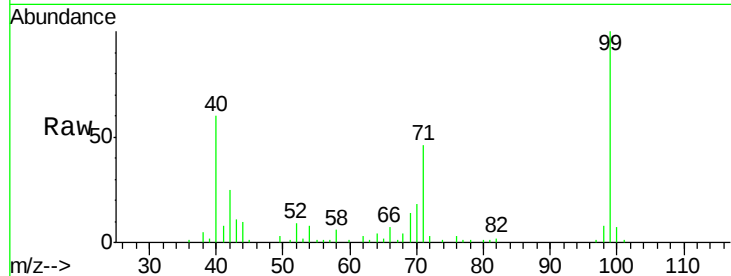
Tgt Ion: 99 Resp: 68561

Ion Ratio Lower Upper

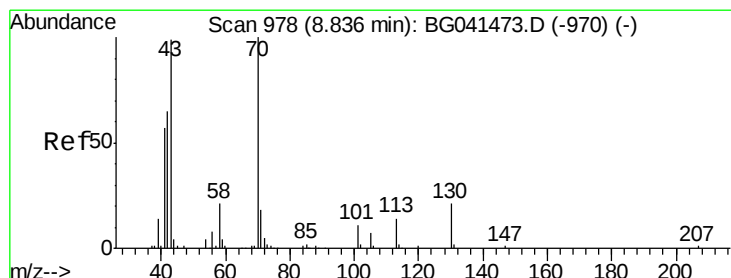
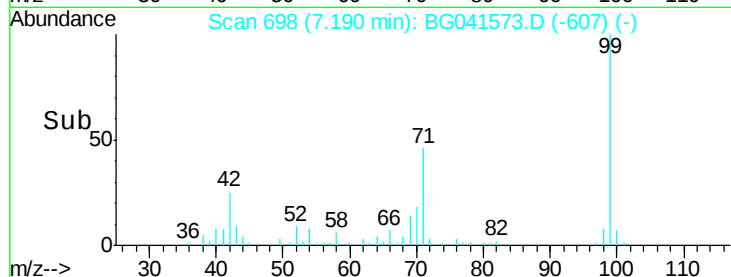
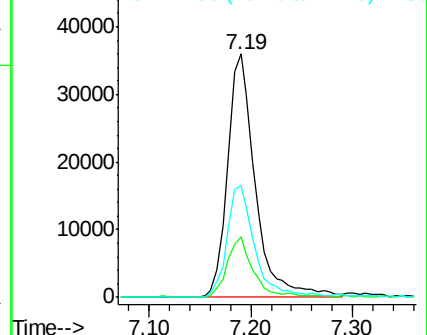
99 100

42 24.7 19.0 28.6

71 45.8 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: 17.469 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

Tgt Ion: 70 Resp: 29484

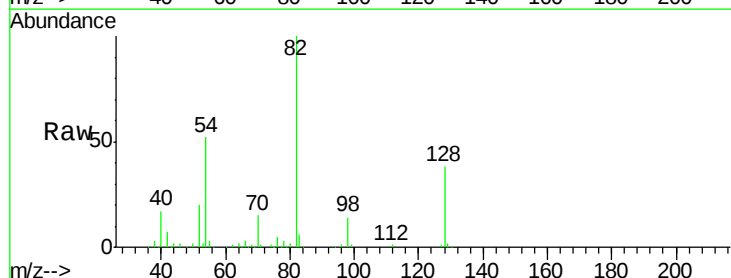
Ion Ratio Lower Upper

70 100

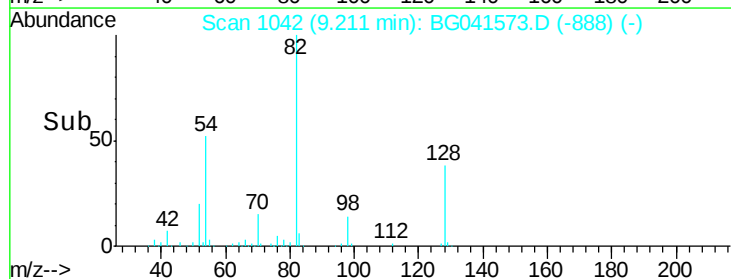
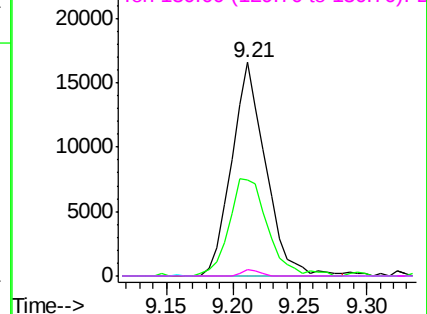
42 45.1 52.6 78.8#

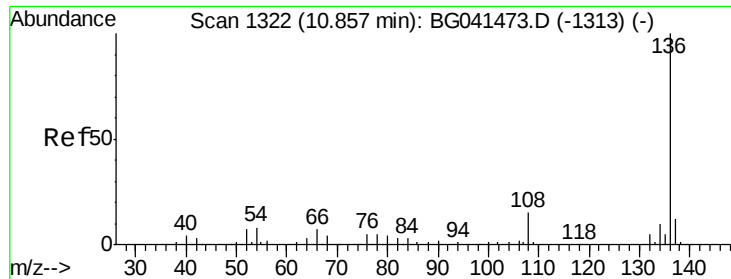
101 0.0 8.6 13.0#

130 3.0 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

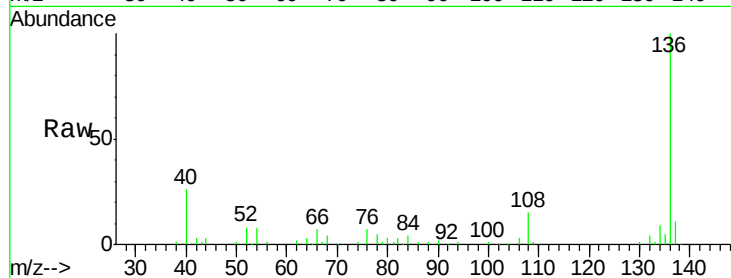




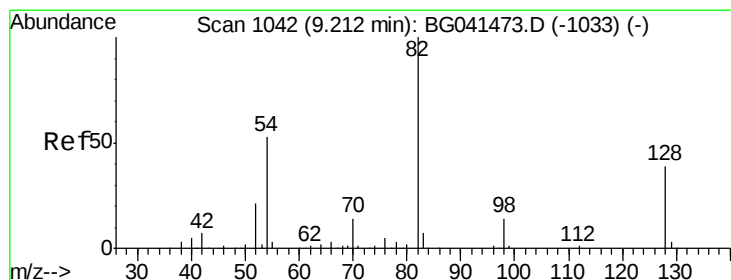
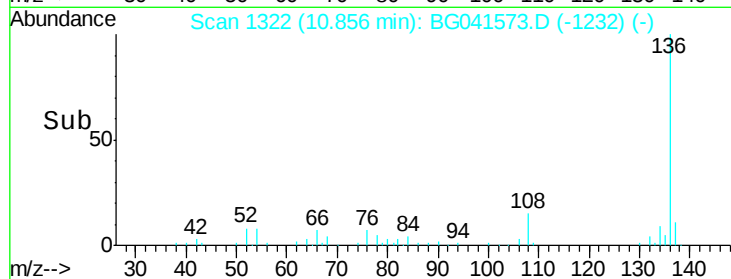
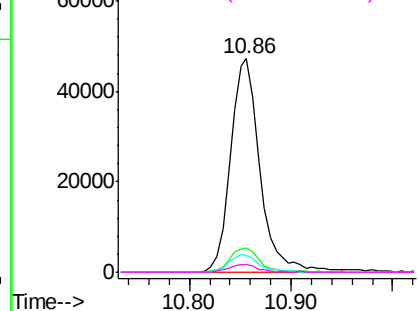
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041573.D
Acq: 2 Jul 2019 15:17

Instrument :
BNA_G
ClientSampleId :
SP19-LF2MW4

Tgt Ion:	136	Resp:	94596
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.7	7.1	10.7
68	3.7	3.3	4.9

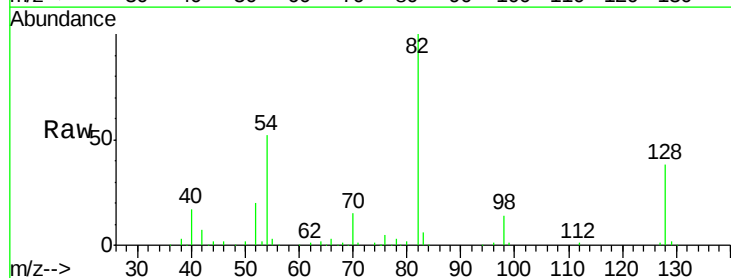


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

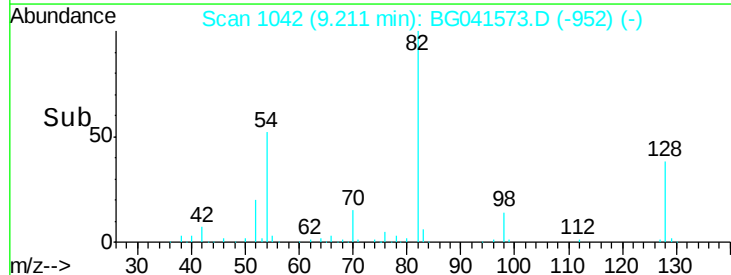
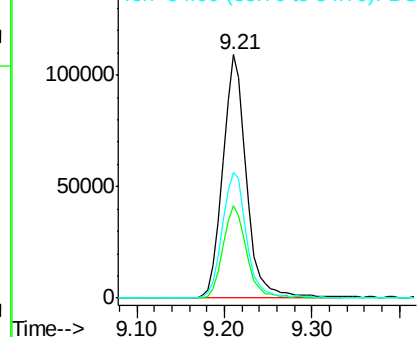


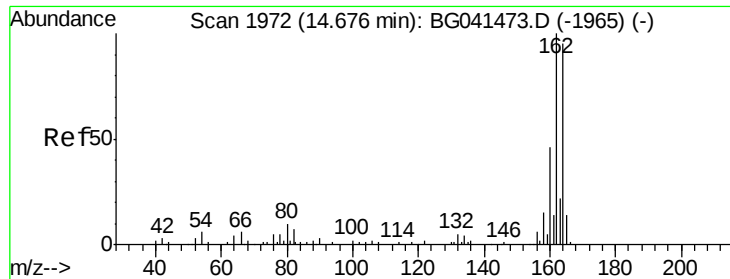
#23
Nitrobenzene-d5
Concen: 90.303 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041573.D
Acq: 2 Jul 2019 15:17

Tgt Ion:	82	Resp:	204816
Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.9	46.3
54	51.7	42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW4

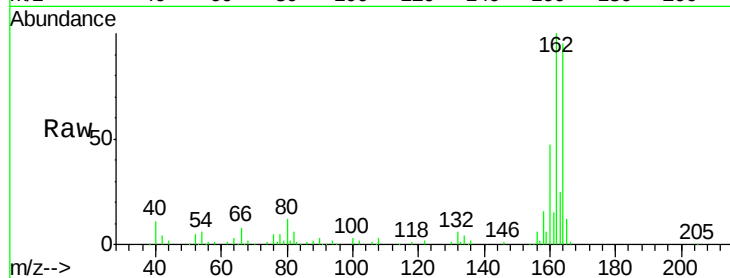
Tgt Ion:164 Resp: 68270

Ion Ratio Lower Upper

164 100

162 105.8 84.4 126.6

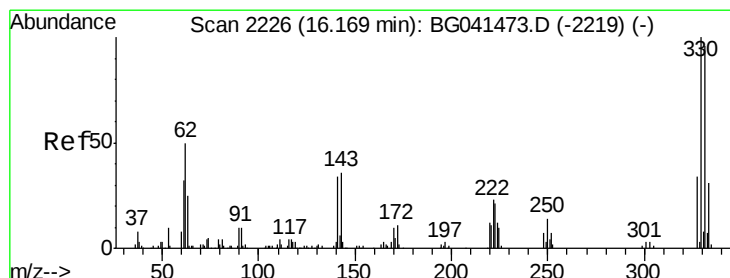
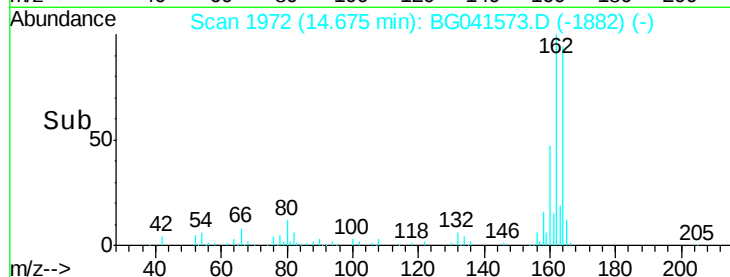
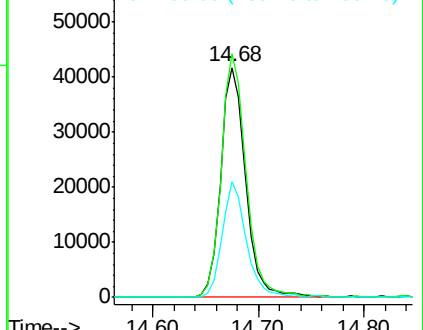
160 50.0 38.8 58.2



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: 145.837 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

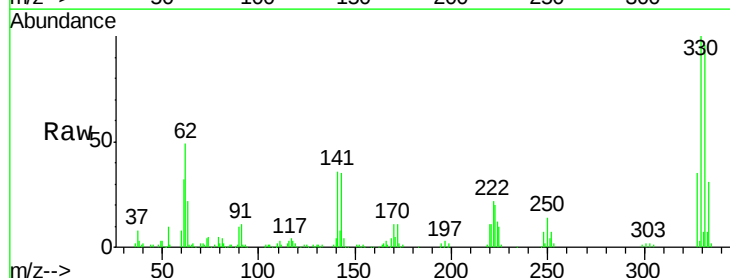
Tgt Ion:330 Resp: 169997

Ion Ratio Lower Upper

330 100

332 95.2 75.5 113.3

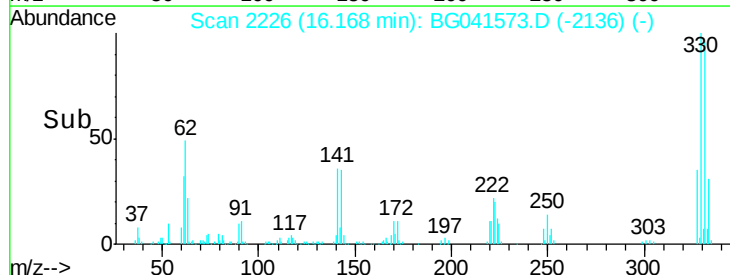
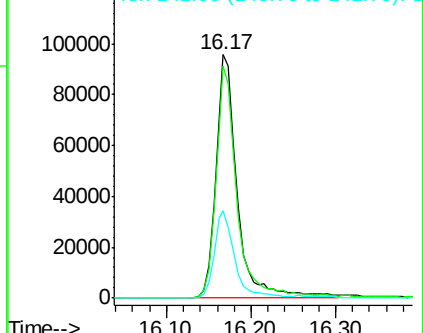
141 34.4 27.8 41.6

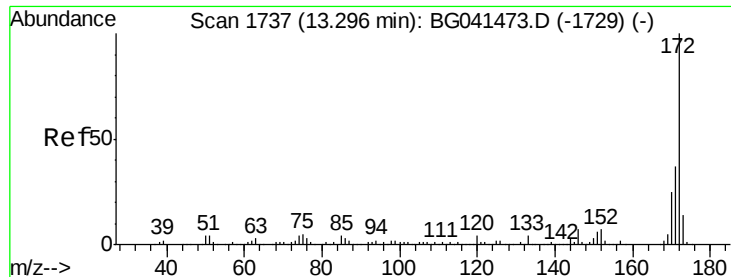


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

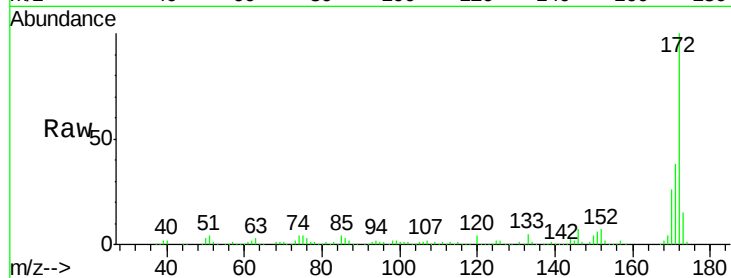




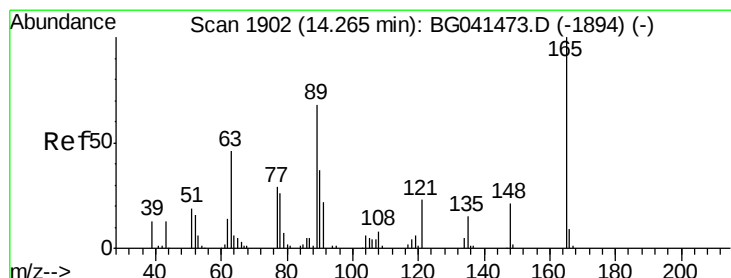
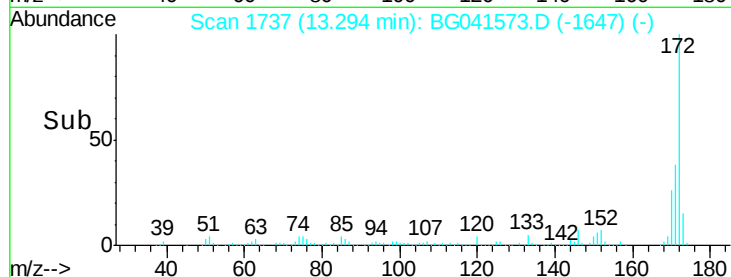
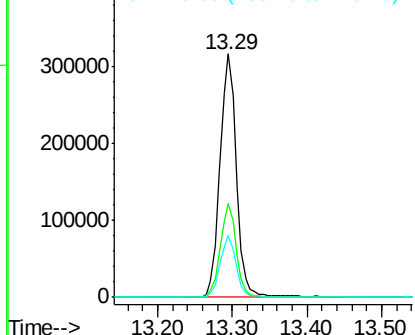
#45
 2-Fluorobiphenyl
 Concen: 91.353 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041573.D
 Acq: 2 Jul 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW4

Tgt Ion:172 Resp: 486002
 Ion Ratio Lower Upper
 172 100
 171 38.5 29.6 44.4
 170 25.6 20.0 30.0

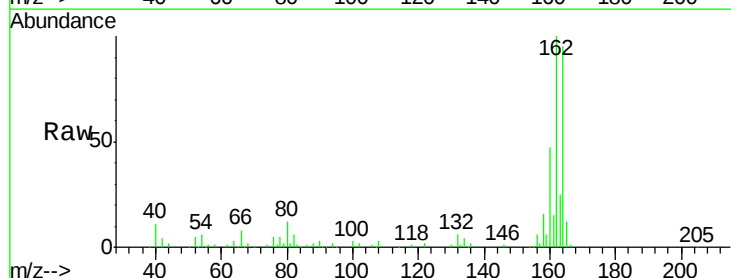


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

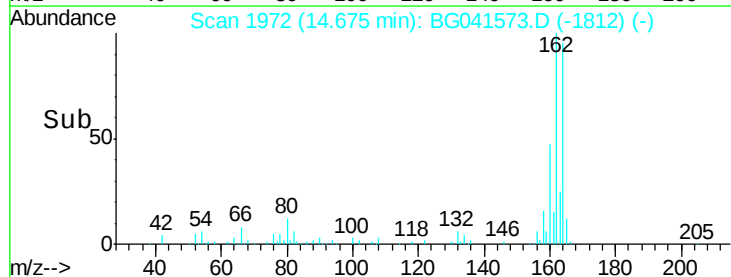
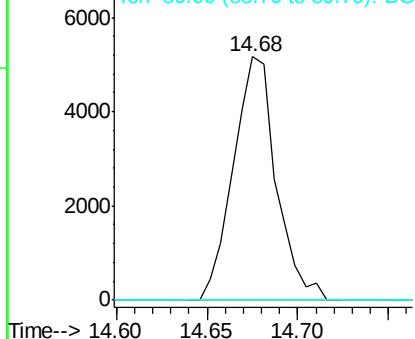


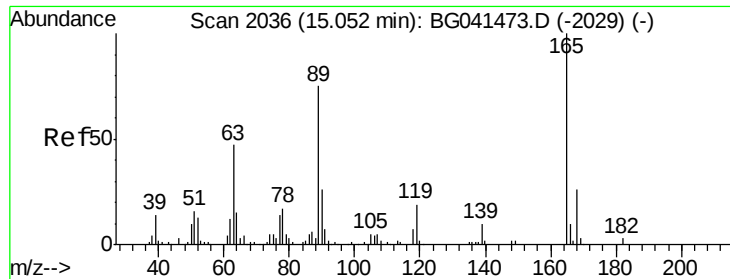
#51
 2,6-Dinitrotoluene
 Concen: 6.474 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041573.D
 Acq: 2 Jul 2019 15:17

Tgt Ion:165 Resp: 8536
 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

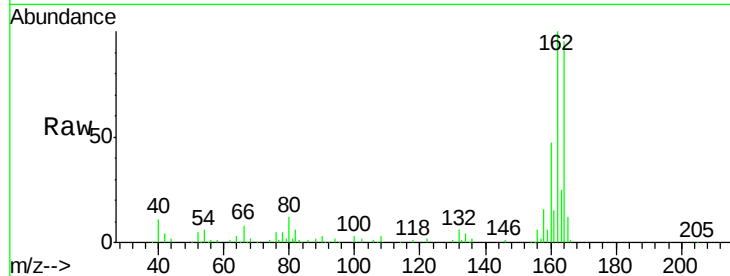




#57
 2,4-Dinitrotoluene
 Concen: 4.463 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041573.D
 Acq: 2 Jul 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :
 SP19-LF2MW4

Tgt Ion:	165	Resp:	8536
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#

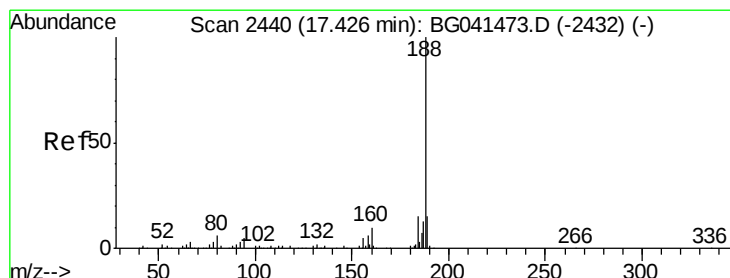
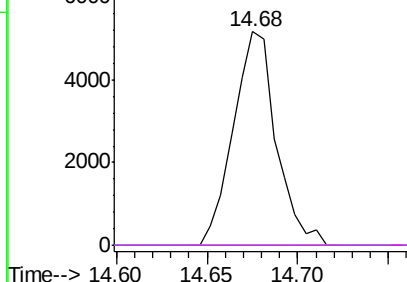
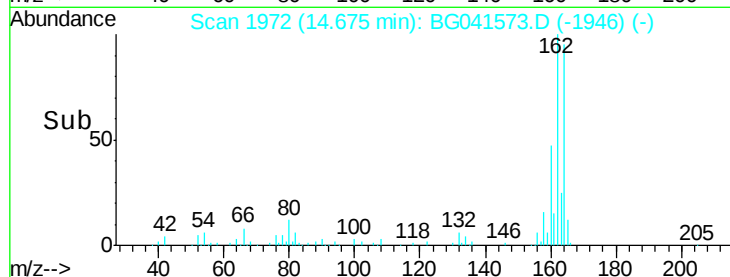


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

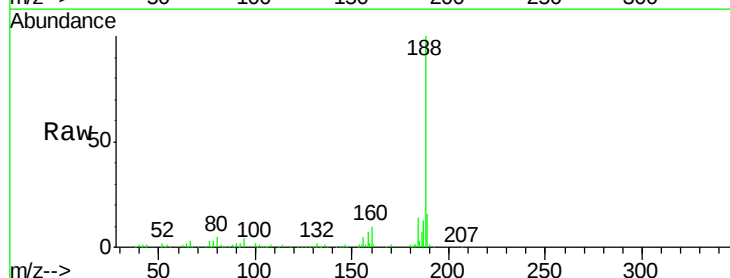
Ion 89.00 (88.70 to 89.70): BGC

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: BG041573.D
 Acq: 2 Jul 2019 15:17

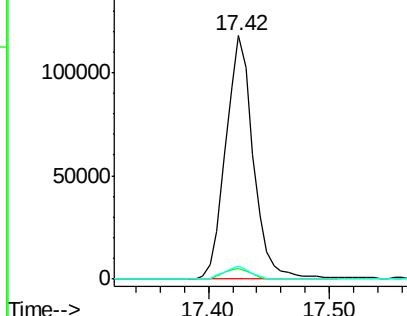
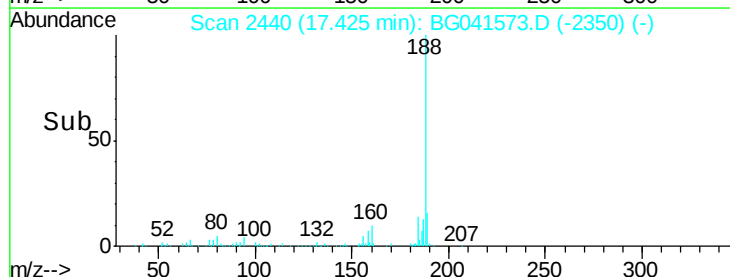
Tgt Ion:	188	Resp:	187585
Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.8	5.8
80	5.2	4.8	7.2

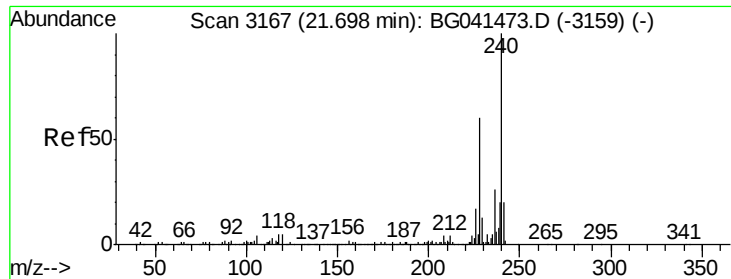


Abundance Ion 188.00 (187.70 to 188.70): E

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# 3167

Delta R.T. -0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW4

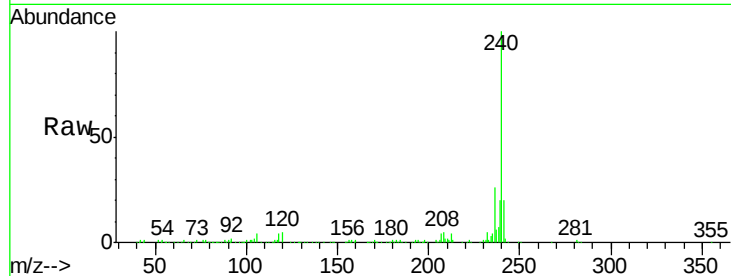
Tgt Ion:240 Resp: 217027

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

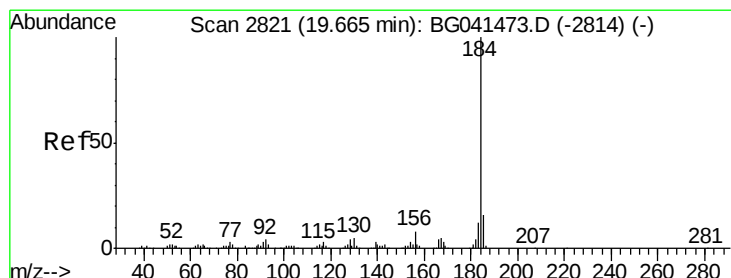
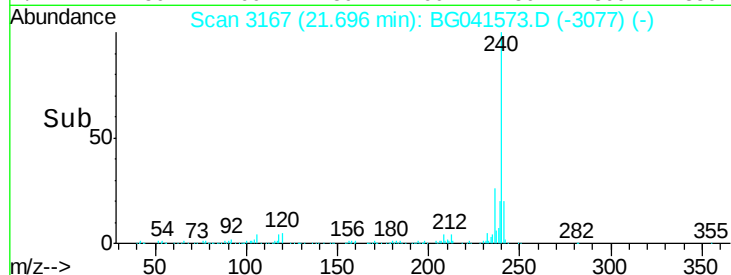
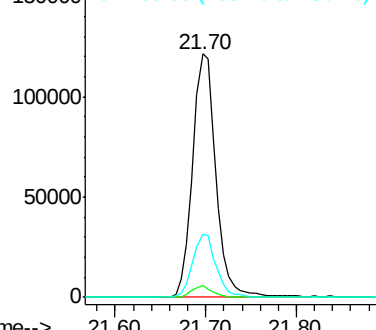
236 26.1 20.8 31.2



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: 3.733 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

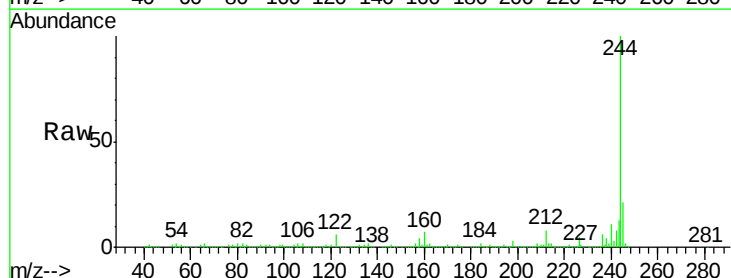
Tgt Ion:184 Resp: 17975

Ion Ratio Lower Upper

184 100

185 15.8 12.7 19.1

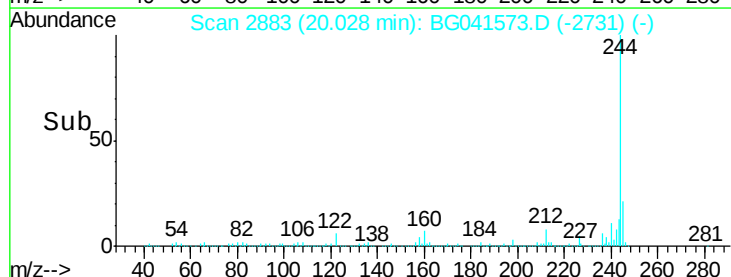
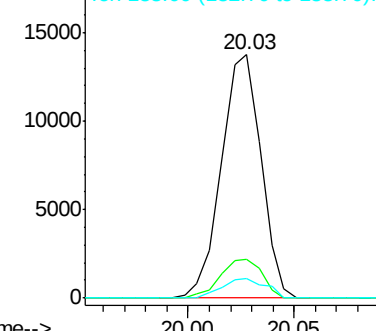
183 7.8 9.4 14.2#

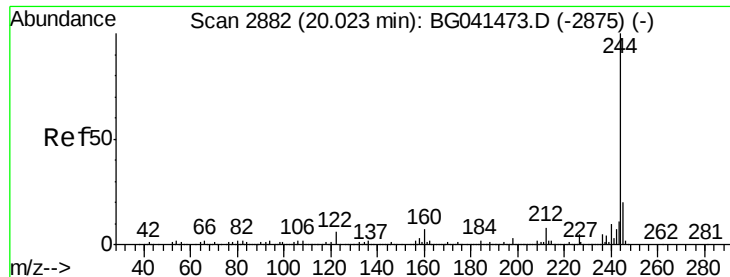


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.417 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

Instrument :

BNA_G

ClientSampleId :

SP19-LF2MW4

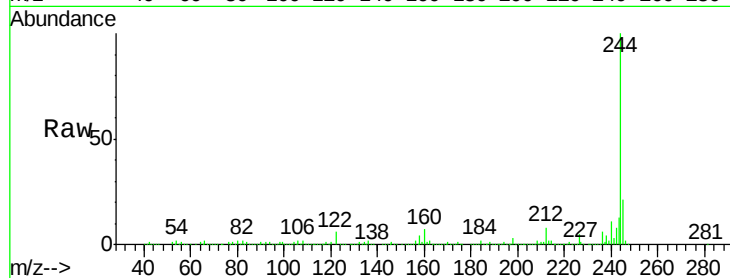
Tgt Ion:244 Resp: 1045949

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.4

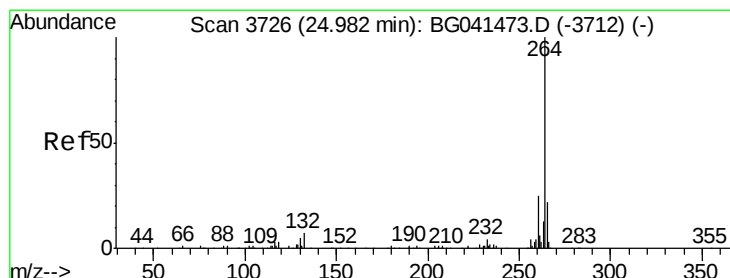
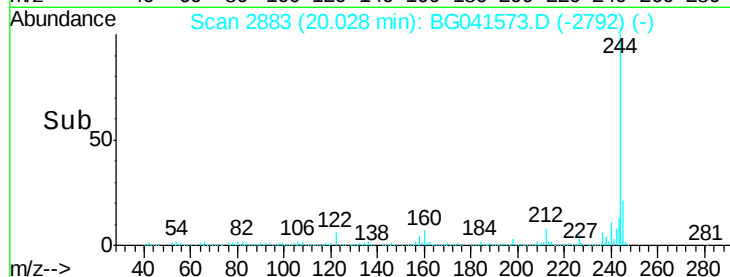
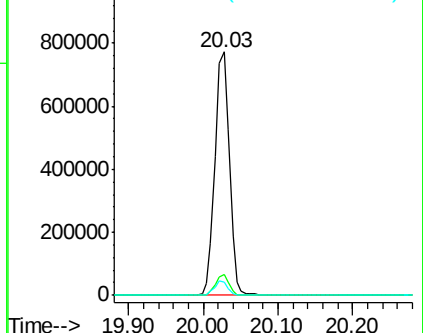
122 5.7 4.8 7.2



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: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG041573.D

Acq: 2 Jul 2019 15:17

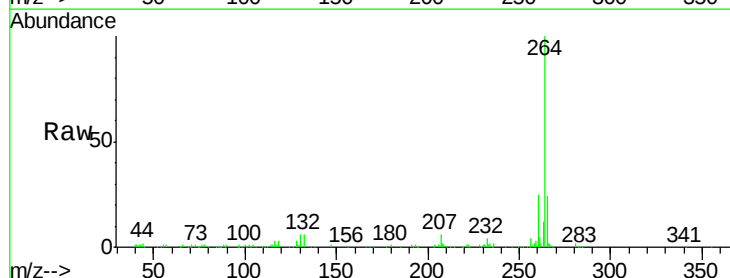
Tgt Ion:264 Resp: 228771

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 23.7 17.4 26.2



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

