

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041363.D
 Acq On : 20 Jun 2019 19:00
 Operator : HP/JU
 Sample : K3406-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 01:33:32 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	8.08	152	41091	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	157747	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	107896	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	244736	20.00	ng	0.00
76) Chrysene-d12	21.75	240	236728	20.00	ng	0.00
87) Perylene-d12	25.07	264	150661	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	45443	20.32	ng	0.00
7) Phenol-d6	7.24	99	142283	43.89	ng	0.00
23) Nitrobenzene-d5	9.26	82	117051	31.21	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	22589	13.64	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	254272	32.03	ng	0.00
79) Terphenyl-d14	20.06	244	344179	28.81	ng	0.00

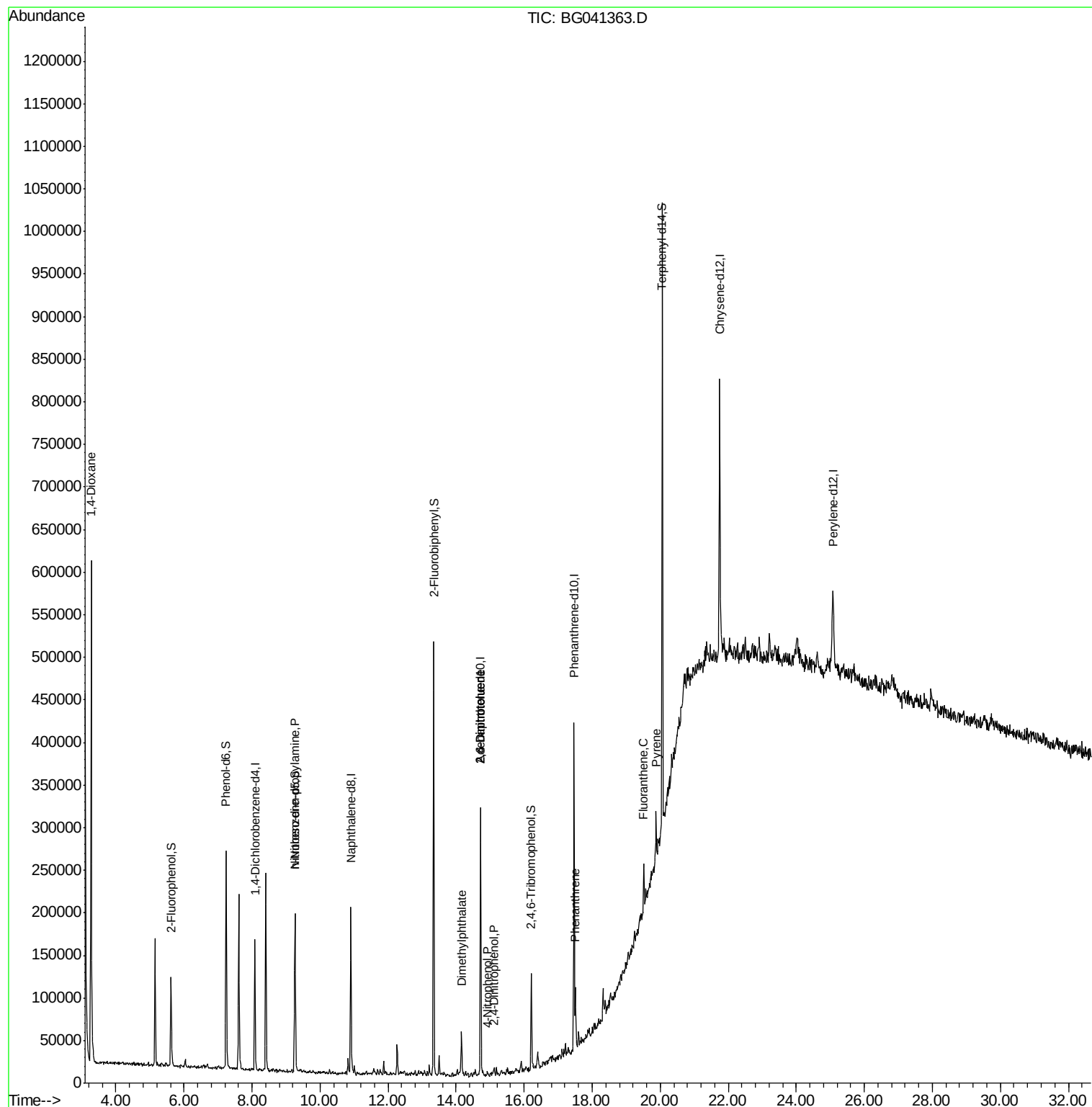
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	14053	12.532	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	17217	6.567	ng	# 73
50) Dimethylphthalate	14.16	163	29280	3.050	ng	# 96
51) 2,6-Dinitrotoluene	14.72	165	14727	7.275	ng	# 17
54) 2,4-Dinitrophenol	15.13	184	55	4.882	ng	# 13
56) 4-Nitrophenol	14.93	139	64	3.256	ng	# 37
57) 2,4-Dinitrotoluene	14.72	165	14727	4.977	ng	# 20
71) Phenanthrene	17.51	178	45483	3.485	ng	99
75) Fluoranthene	19.52	202	41188	2.375	ng	92
78) Pyrene	19.88	202	34858	2.183	ng	# 93

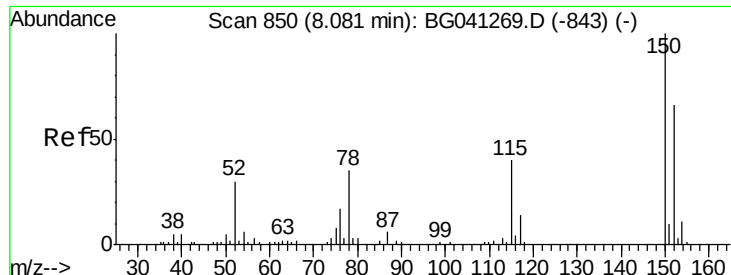
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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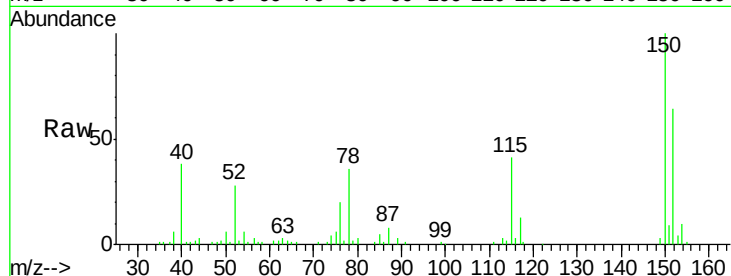


#1

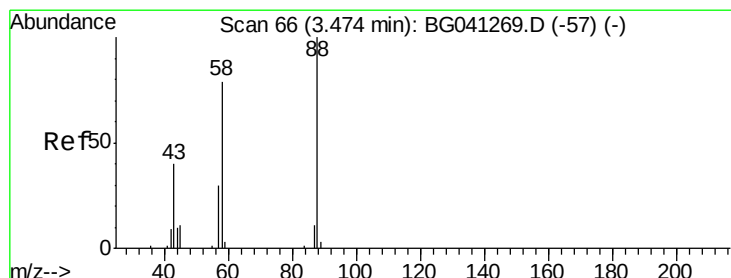
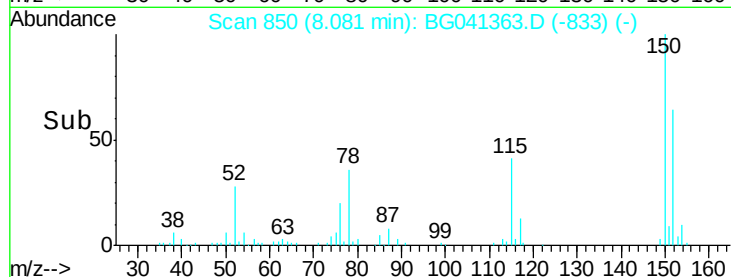
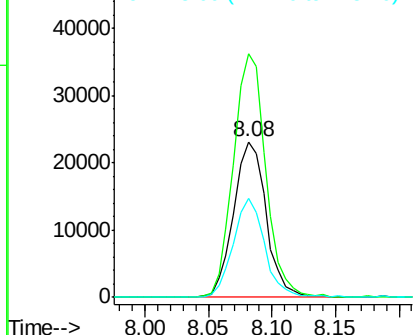
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041363.D
Acq: 20 Jun 2019 19:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 41091
Ion Ratio Lower Upper
152 100
150 156.4 120.6 181.0
115 63.7 47.9 71.9



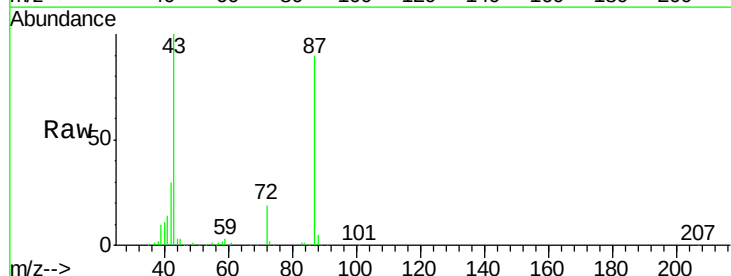
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



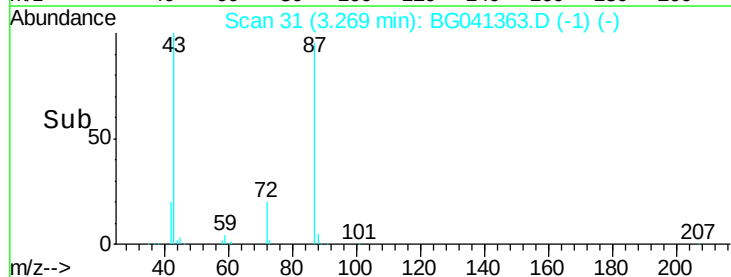
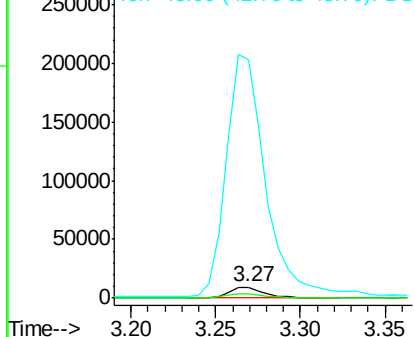
#2

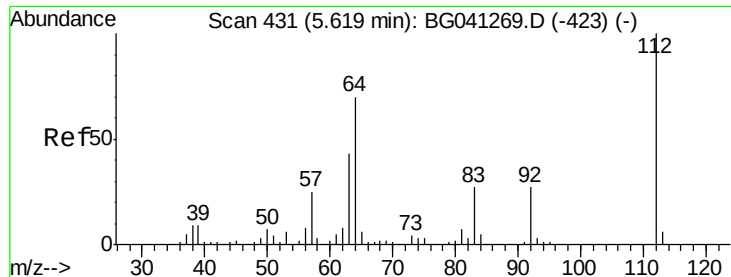
1,4-Dioxane
Concen: 12.532 ng
RT: 3.27 min Scan# 31
Delta R.T. -0.21 min
Lab File: BG041363.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 88 Resp: 14053
Ion Ratio Lower Upper
88 100
58 42.5 59.7 89.5#
43 2425.8 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 20.320 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampled :

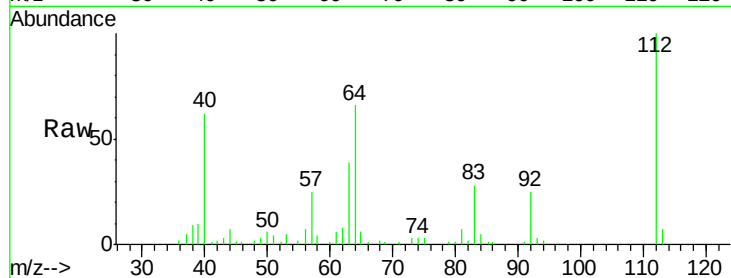
Tot Ion: 112 Resp: 45443

Ion Ratio Lower Upper

112 100

64 65.7 55.9 83.9

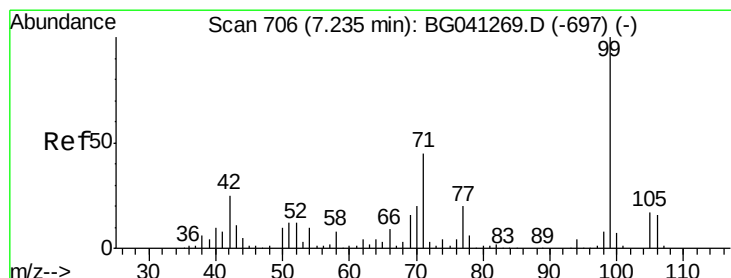
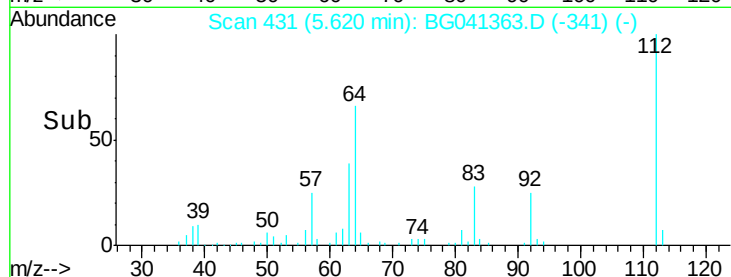
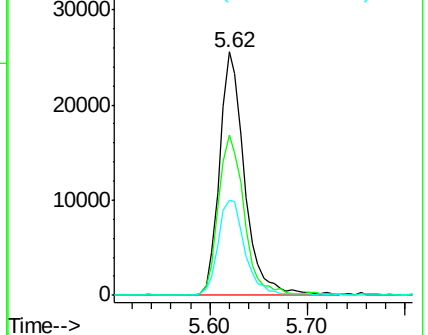
63 39.2 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 43.893 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

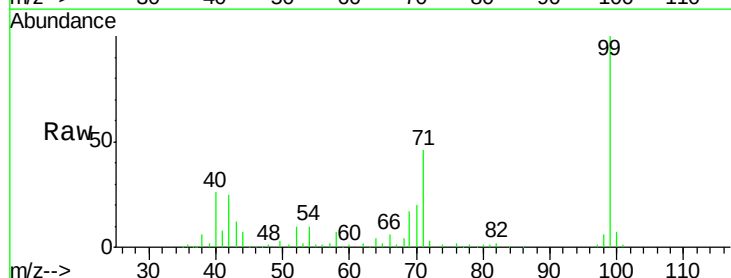
Tgt Ion: 99 Resp: 142283

Ion Ratio Lower Upper

99 100

42 24.6 19.9 29.9

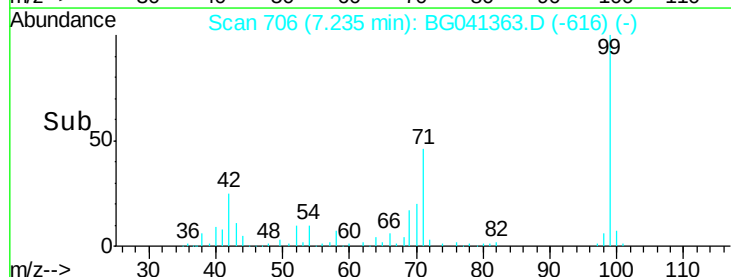
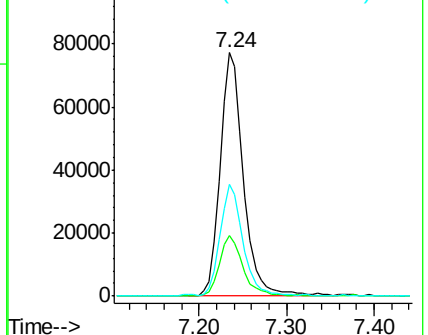
71 45.7 36.4 54.6

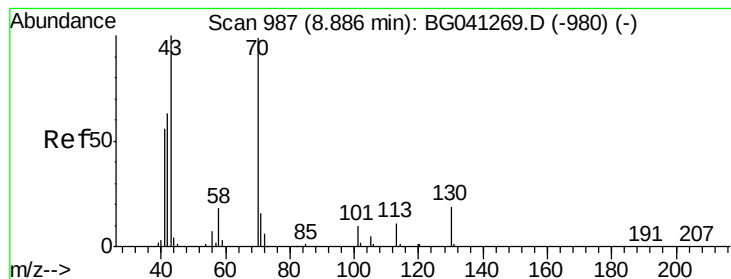


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 6.567 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 17217

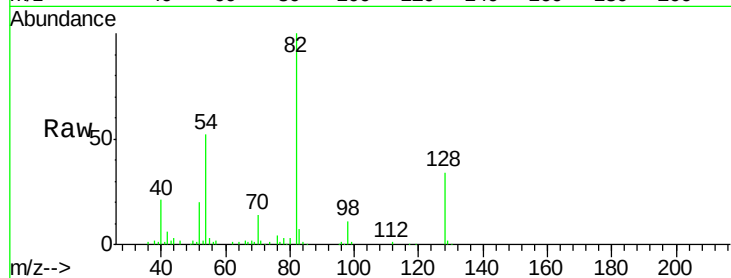
Ion Ratio Lower Upper

70 100

42 46.0 51.4 77.2#

101 0.0 8.2 12.2#

130 2.0 15.2 22.8#

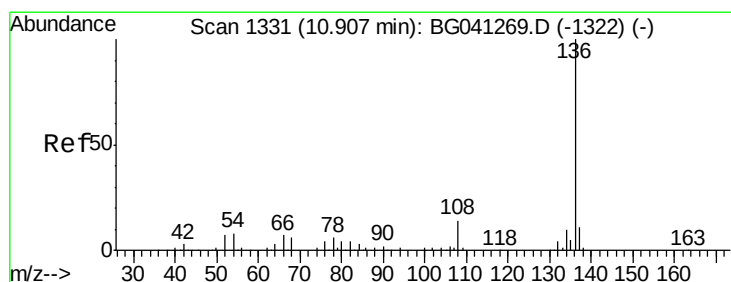
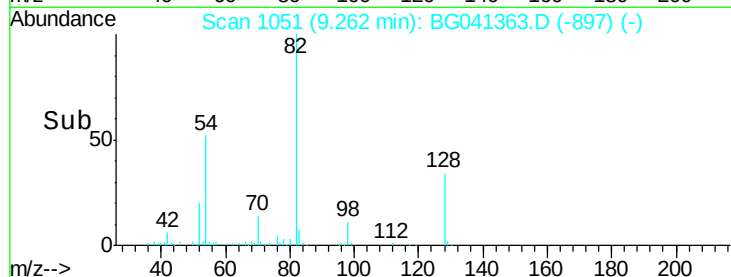
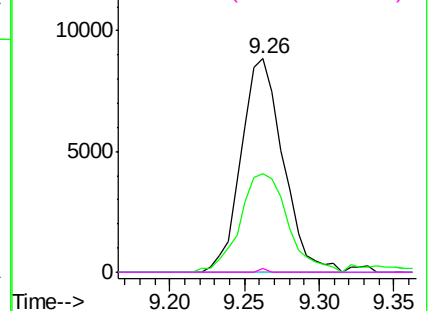


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.91 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Tgt Ion: 136 Resp: 157747

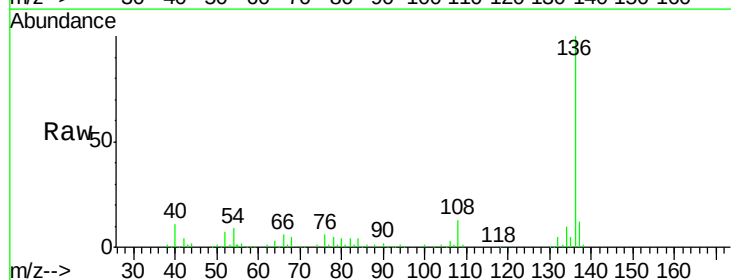
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 9.7 6.4 9.6#

68 5.4 4.8 7.2

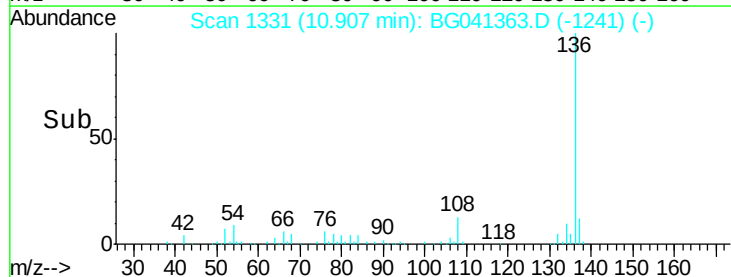
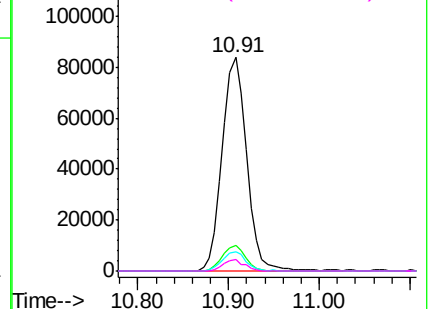


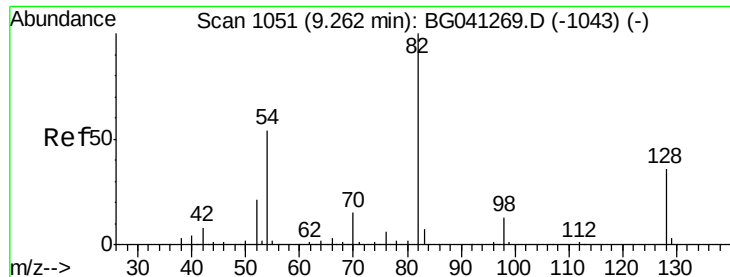
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

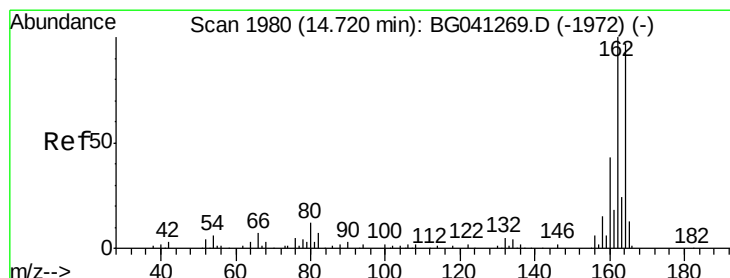
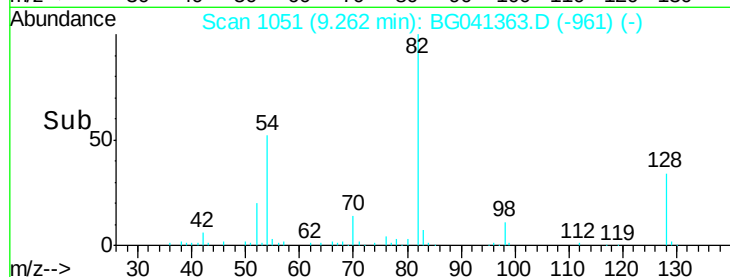
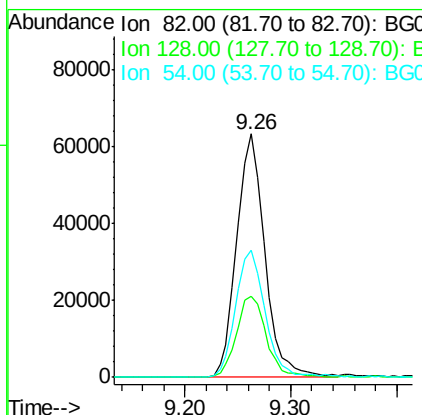
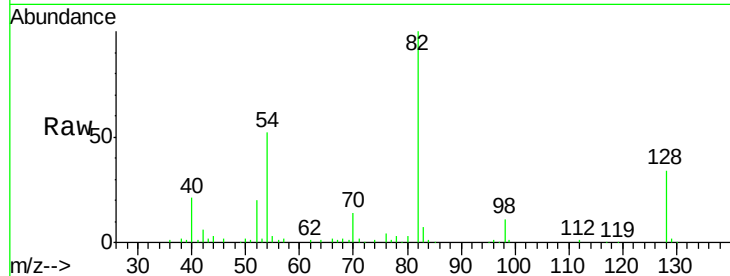




#23
Nitrobenzene-d5
Concen: 31.206 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041363.D
Acq: 20 Jun 2019 19:00

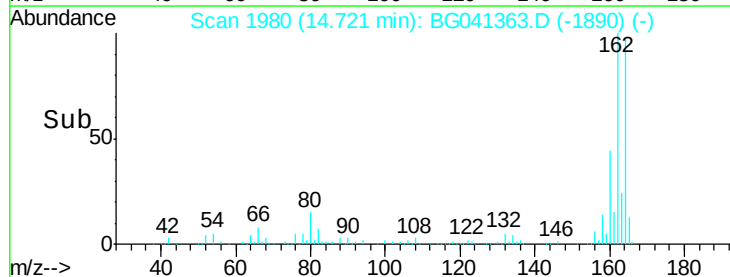
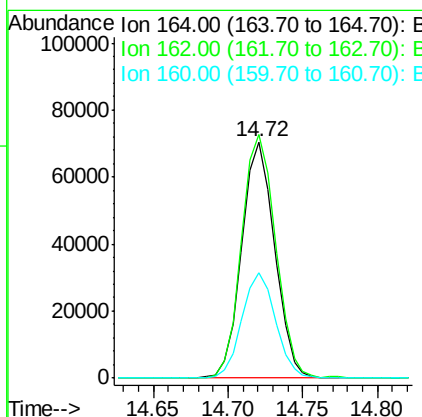
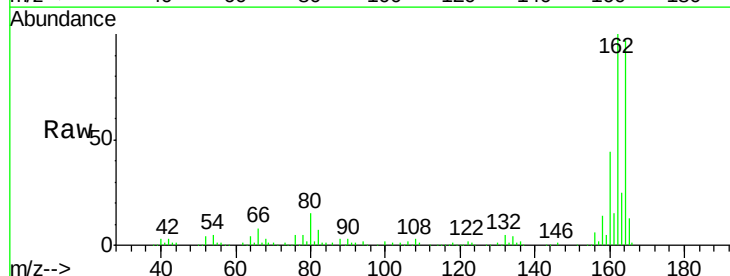
Instrument :
BNA_G
ClientSampleId :

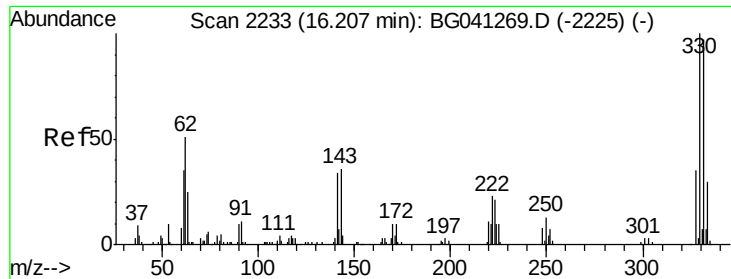
Tot Ion: 82 Resp: 117051
Ion Ratio Lower Upper
82 100
128 33.5 29.2 43.8
54 52.3 43.4 65.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG041363.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 164 Resp: 107896
Ion Ratio Lower Upper
164 100
162 103.0 82.8 124.2
160 44.8 35.8 53.8

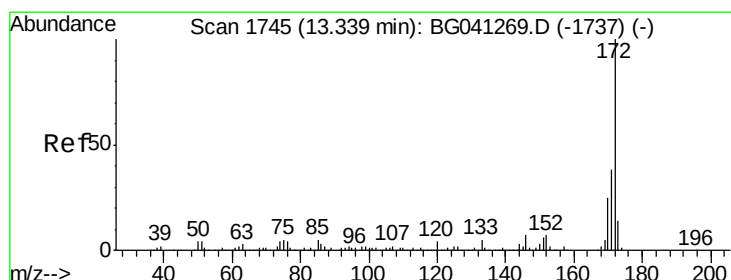
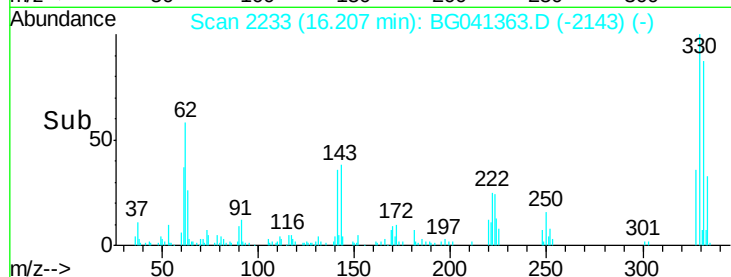
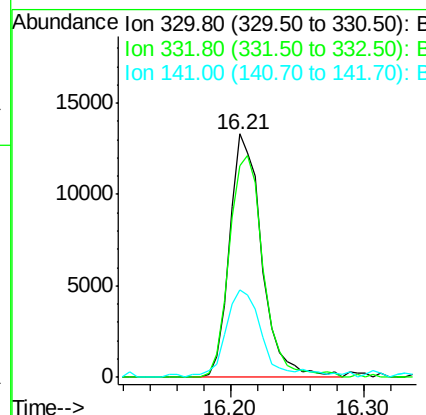
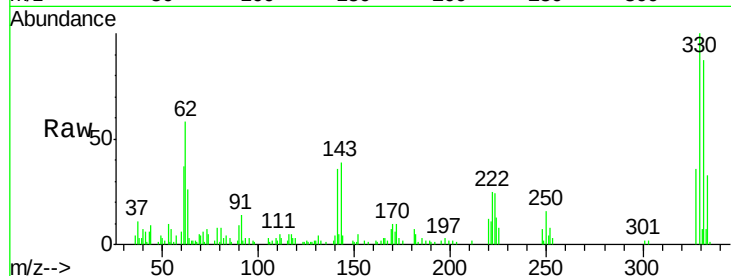




#42
 2,4,6-Tribromophenol
 Concen: 13.637 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BG041363.D
 Acq: 20 Jun 2019 19:00

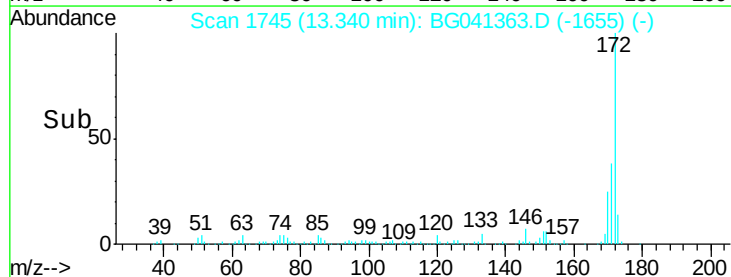
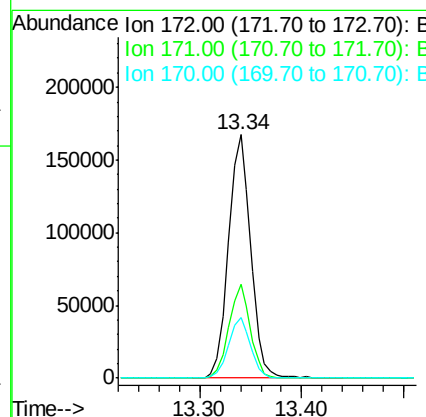
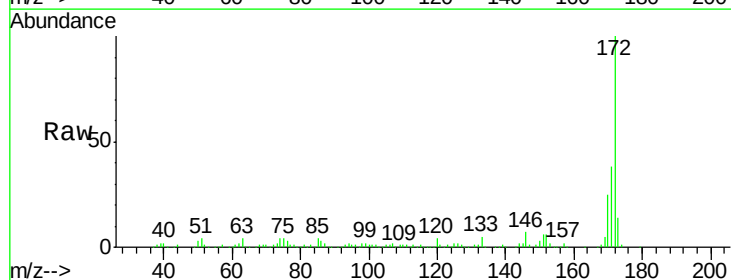
Instrument :
 BNA_G
 ClientSampleId :

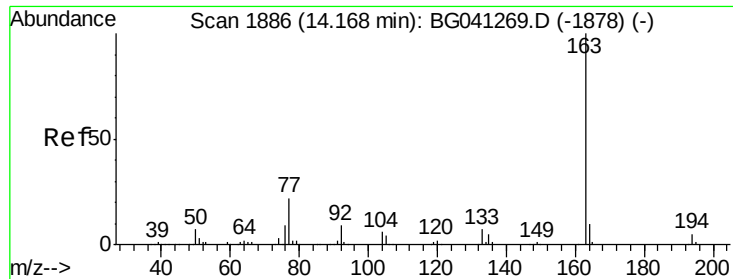
Tot Ion:330 Resp: 22589
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.5 113.3
 141 38.8 29.0 43.4



#45
 2-Fluorobiphenyl
 Concen: 32.030 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BG041363.D
 Acq: 20 Jun 2019 19:00

Tgt Ion:172 Resp: 254272
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 24.7 19.8 29.6





#50

Dimethylphthalate

Concen: 3.050 ng

RT: 14.16 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampleId :

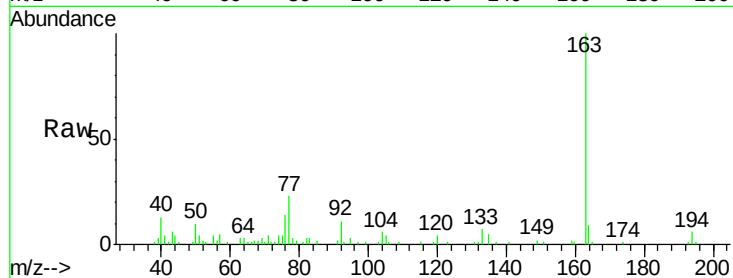
Tot Ion:163 Resp: 29280

Ion Ratio Lower Upper

163 100

194 6.0 3.9 5.9#

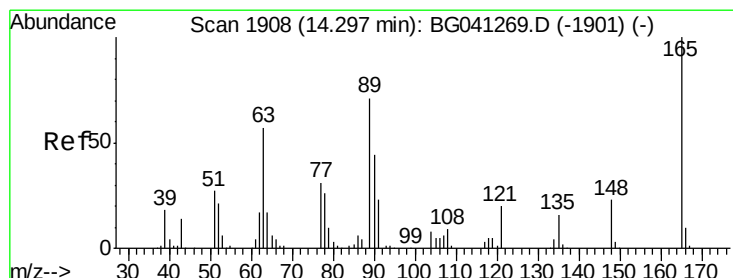
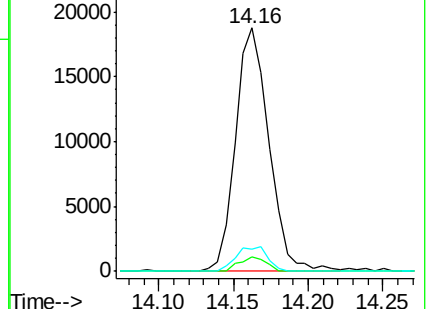
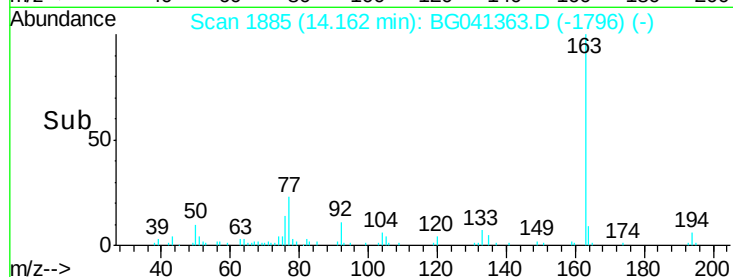
164 9.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.275 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.42 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

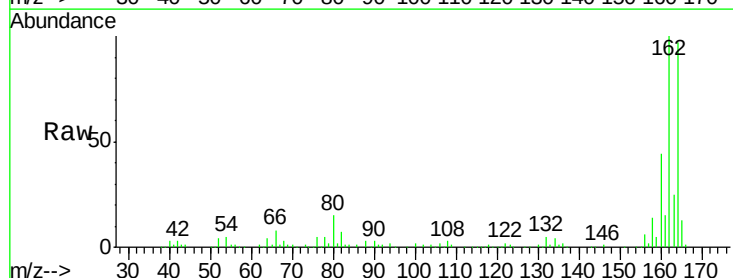
Tgt Ion:165 Resp: 14727

Ion Ratio Lower Upper

165 100

63 1.7 55.4 83.0#

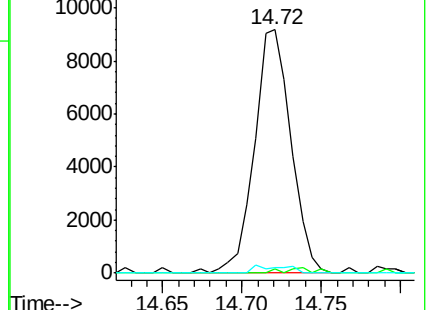
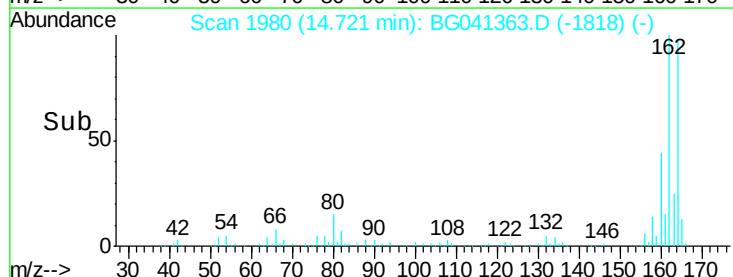
89 2.0 56.5 84.7#

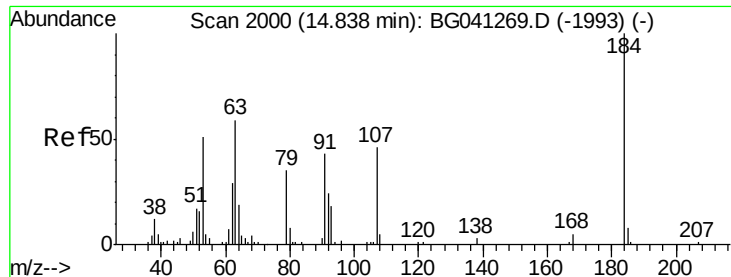


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

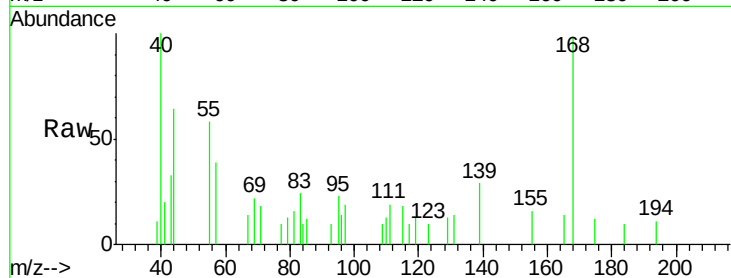




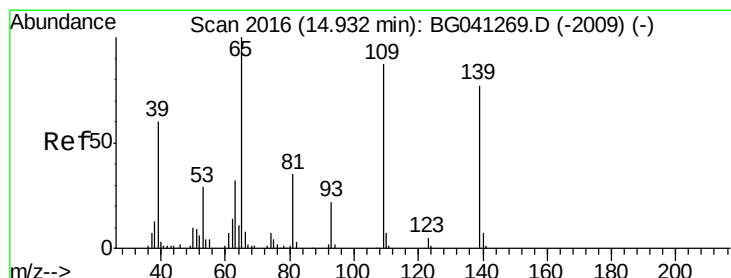
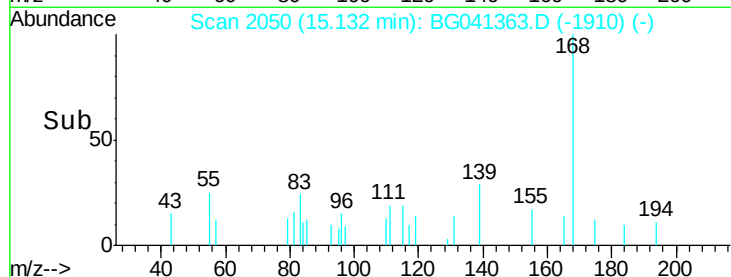
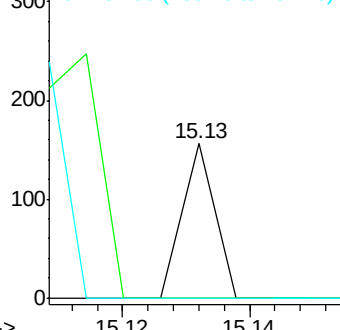
#54
 2,4-Dinitrophenol
 Concen: 4.882 ng
 RT: 15.13 min Scan# 2050
 Delta R.T. 0.29 min
 Lab File: BG041363.D
 Acq: 20 Jun 2019 19:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 60.0 90.0#
 154 0.0 58.3 87.5#

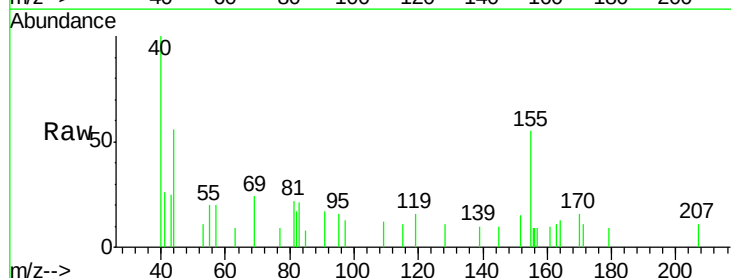


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

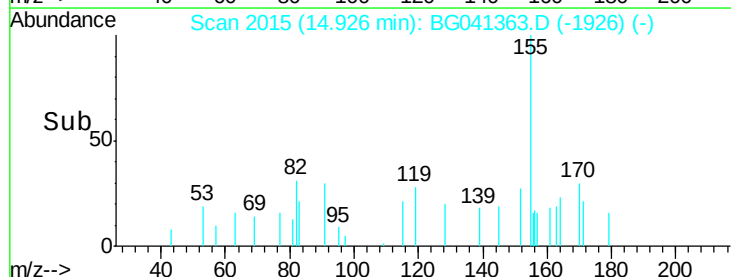
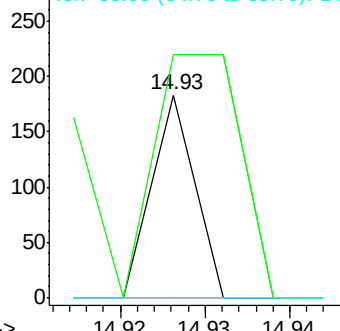


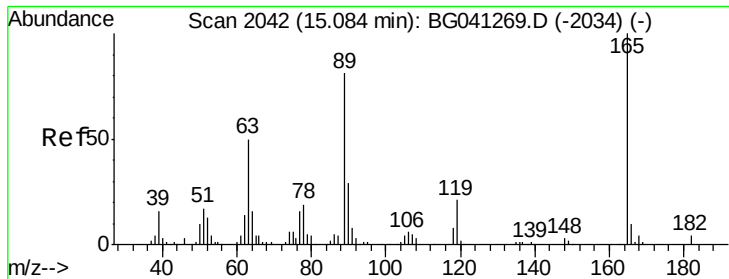
#56
 4-Nitrophenol
 Concen: 3.256 ng
 RT: 14.93 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BG041363.D
 Acq: 20 Jun 2019 19:00

Tgt Ion:139 Resp: 64
 Ion Ratio Lower Upper
 139 100
 109 120.2 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): BG





#57

2,4-Dinitrotoluene

Concen: 4.977 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.36 min

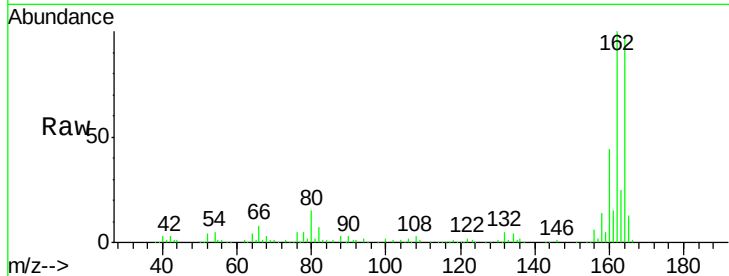
Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampleId :



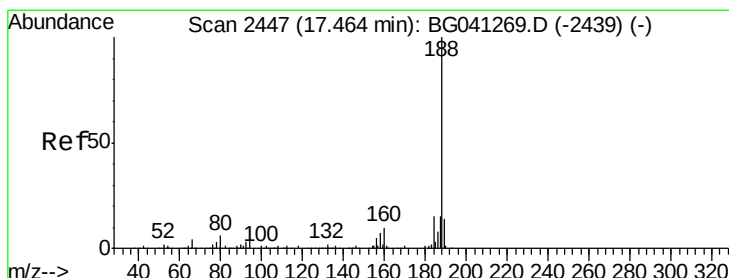
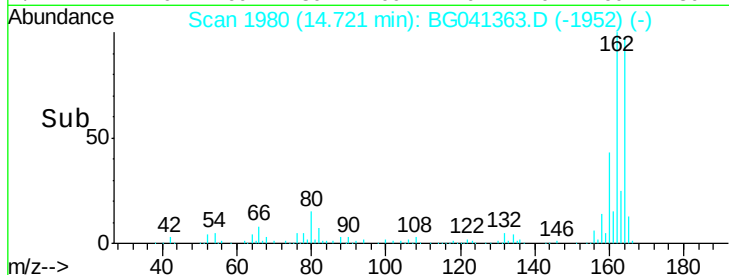
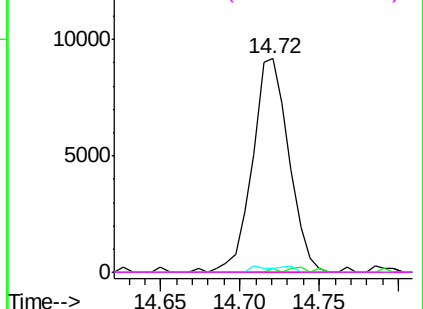
Tot Ion:	165	Resp:	14727
Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.0	60.0#
89	2.0	64.6	96.8#
182	0.0	2.9	4.3#

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: 17.46 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041363.D

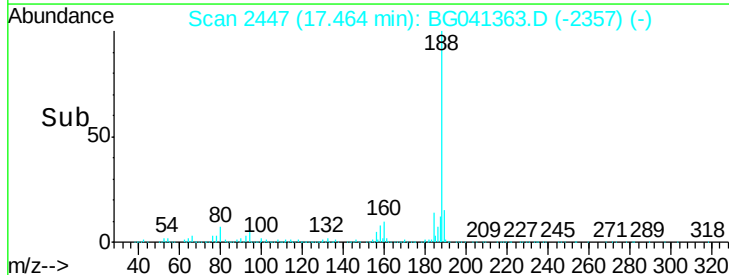
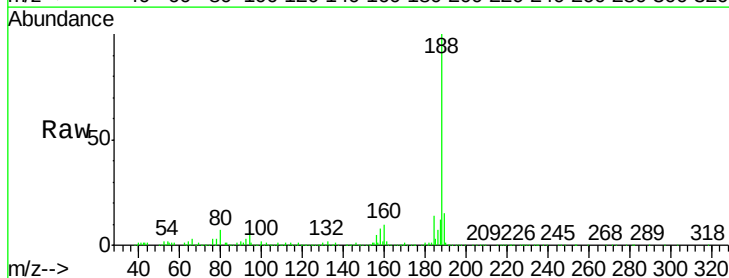
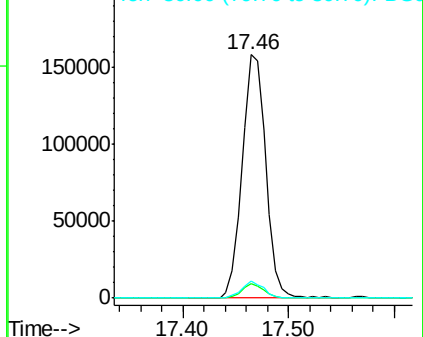
Acq: 20 Jun 2019 19:00

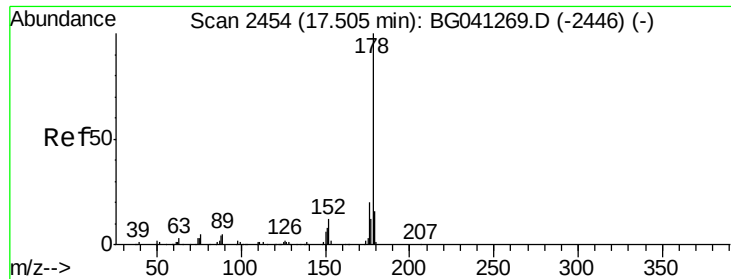
Tgt Ion:	188	Resp:	244736
Ion	Ratio	Lower	Upper
188	100		
94	5.9	3.6	5.4#
80	6.9	4.8	7.2

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





#71

Phenanthrene

Concen: 3.485 ng

RT: 17.51 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampleId :

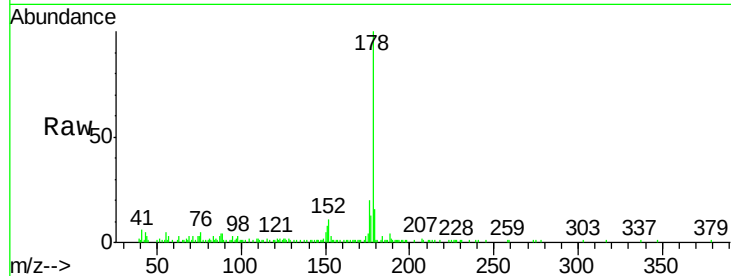
Tot Ion:178 Resp: 45483

Ion Ratio Lower Upper

178 100

176 19.5 16.1 24.1

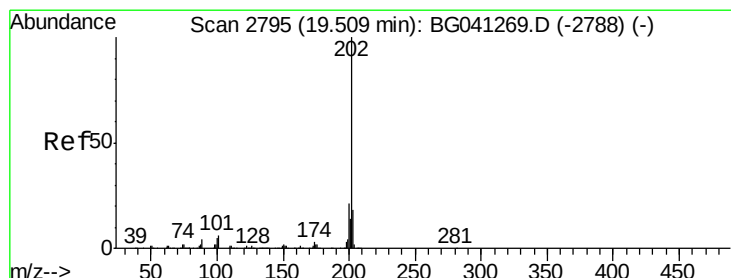
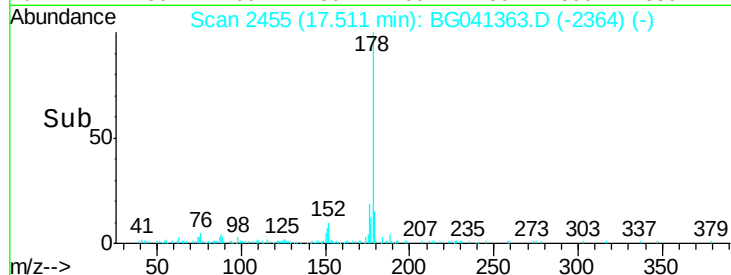
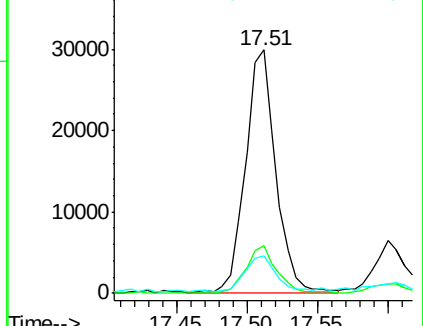
179 15.5 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 2.375 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

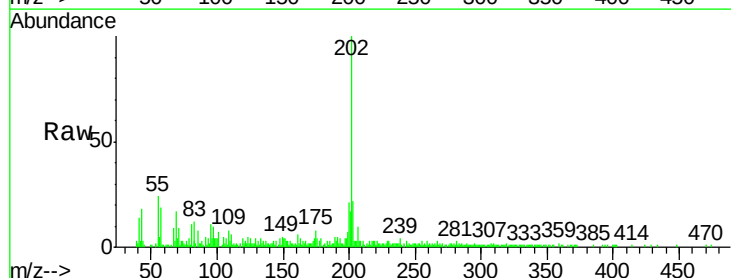
Tgt Ion:202 Resp: 41188

Ion Ratio Lower Upper

202 100

101 6.9 0.0 26.0

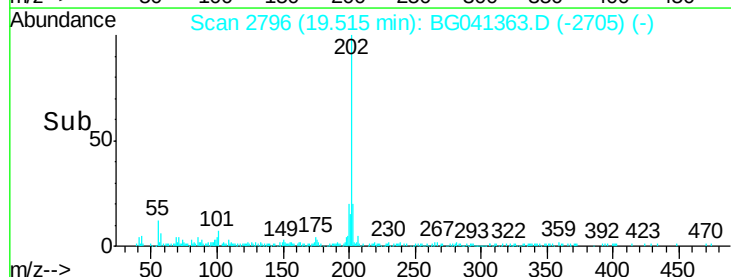
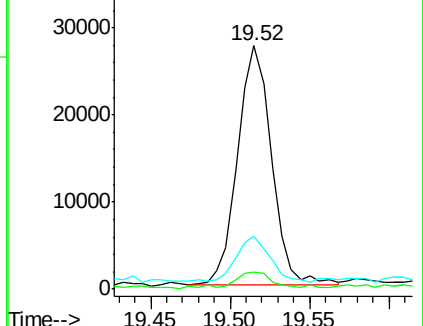
203 21.9 0.0 37.7

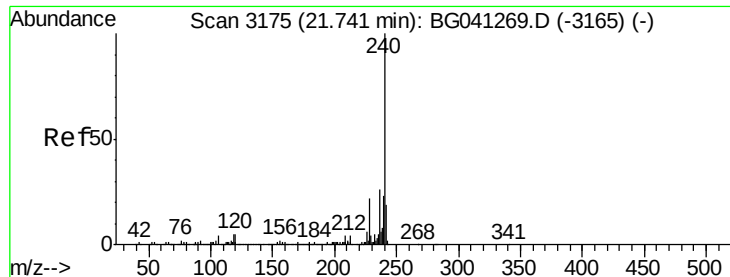


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampleId :

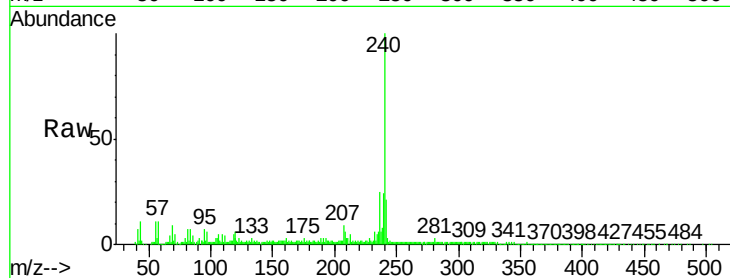
Tot Ion:240 Resp: 236728

Ion Ratio Lower Upper

240 100

120 5.6 3.7 5.5#

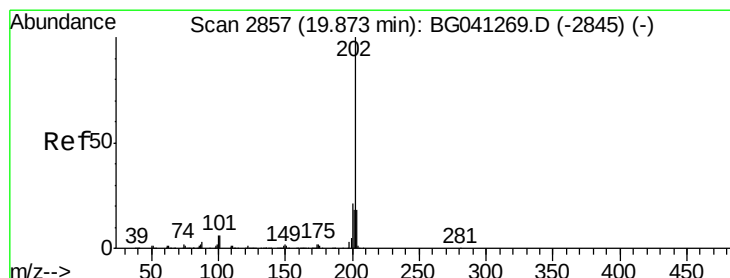
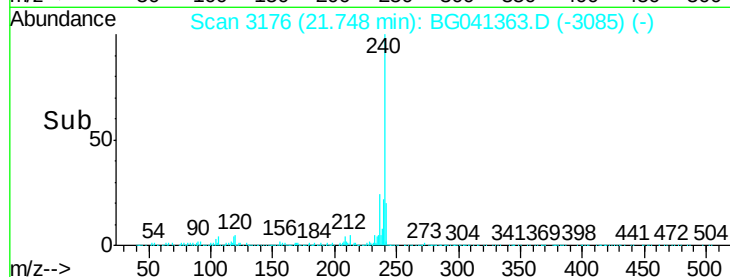
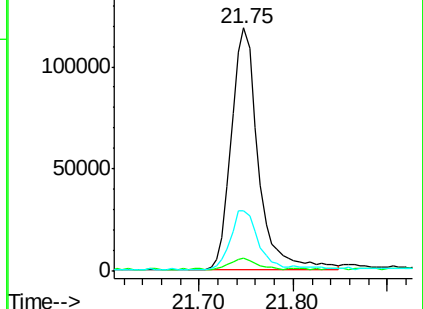
236 24.9 21.1 31.7



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



#78

Pyrene

Concen: 2.183 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

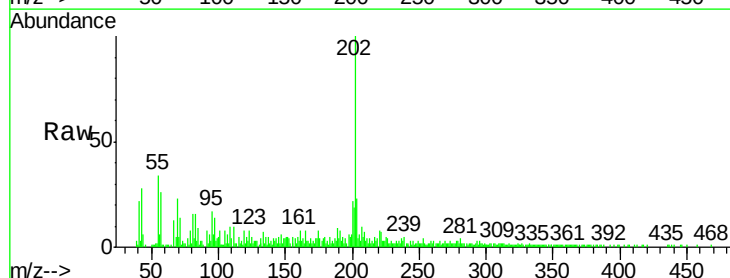
Tgt Ion:202 Resp: 34858

Ion Ratio Lower Upper

202 100

200 22.4 16.8 25.2

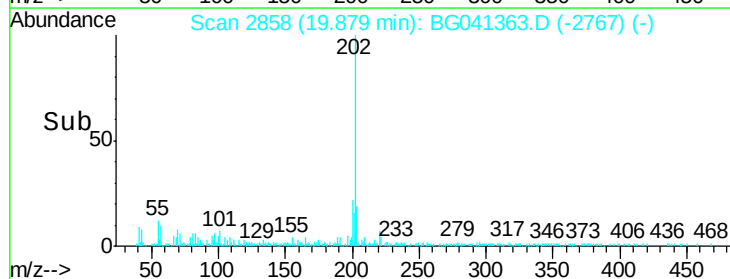
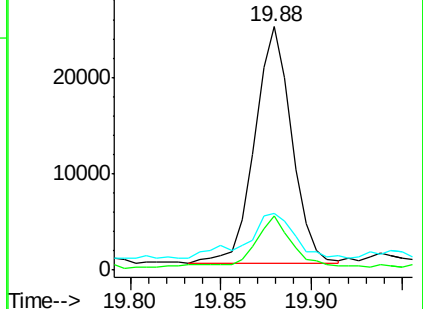
203 23.2 14.6 21.8#

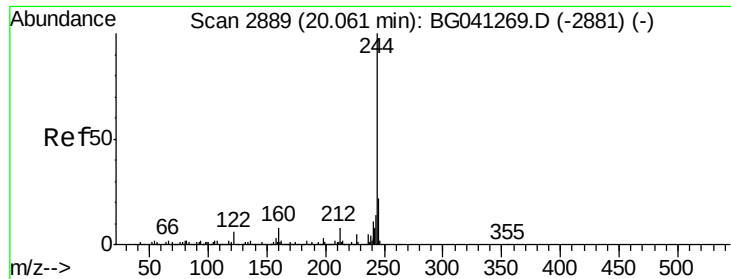


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 28.813 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

Instrument :

BNA_G

ClientSampleId :

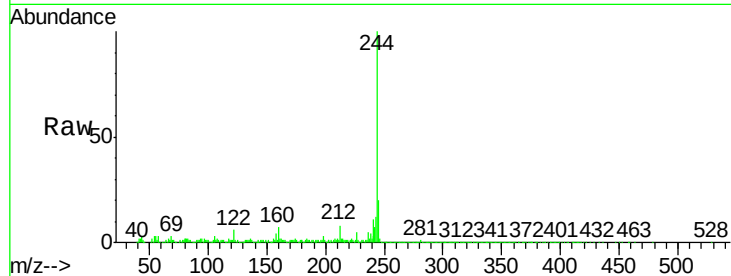
Tot Ion:244 Resp: 344179

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

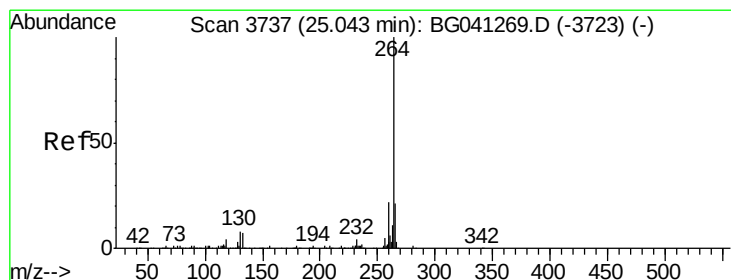
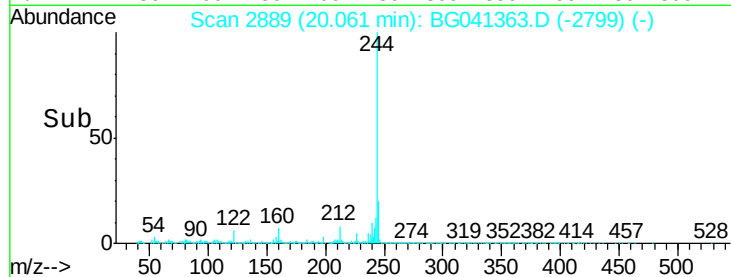
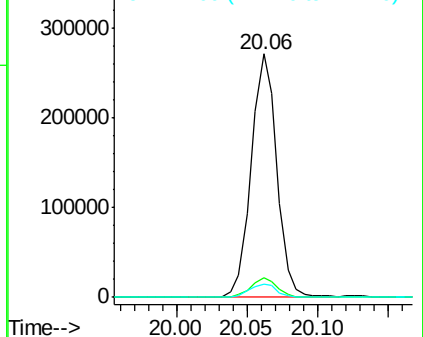
122 5.7 5.0 7.4



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: 25.07 min Scan# 3742

Delta R.T. 0.03 min

Lab File: BG041363.D

Acq: 20 Jun 2019 19:00

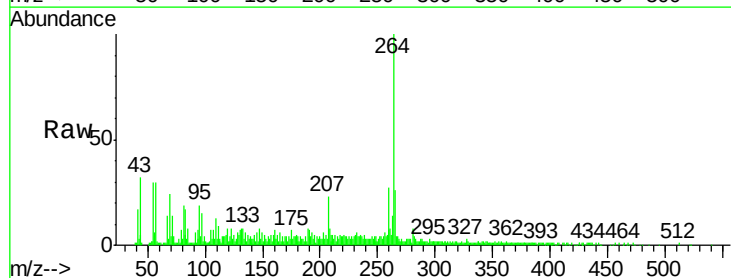
Tgt Ion:264 Resp: 150661

Ion Ratio Lower Upper

264 100

260 27.1 17.4 26.2#

265 25.7 17.2 25.8



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

