

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044490.D
 Acq On : 19 Feb 2020 14:49
 Operator : CG/JU
 Sample : PB126885BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126885BL

Quant Time: Feb 20 07:14:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

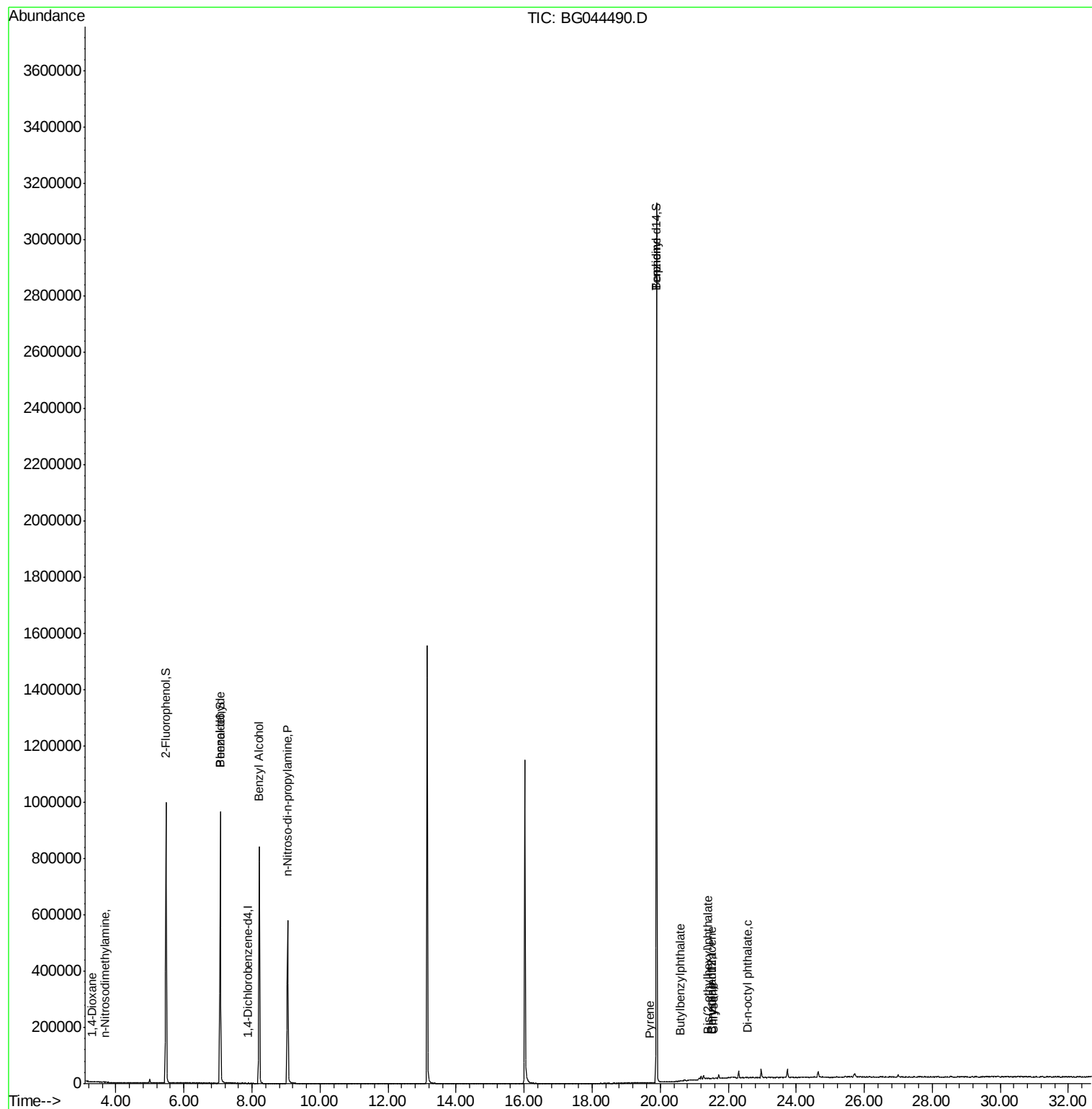
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1075	20.00	ng	-0.02
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.70
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.54
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.29
76) Chrysene-d12	21.53	240	235	20.00	ng	-0.01
87) Perylene-d12	0.00	264	0	0.00	ng	-24.62
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	508381	8346.16	ng	-0.01
7) Phenol-d6	7.07	99	645126	7887.05	ng	-0.01
23) Nitrobenzene-d5	9.05	82	384325	0.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	252272	0.00	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	900613	0.00	ng	-0.01
79) Terphenyl-d14	19.89	244	1567007	137154.51	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.31	88	69	2.521	ng	# 1
4) n-Nitrosodimethylamine	3.68	42	149	4.890	ng	# 1
9) Benzaldehyde	7.06	77	1007	21.616	ng	# 1
15) Benzyl Alcohol	8.21	79	6145	106.114	ng	# 43
19) n-Nitroso-di-n-propylamine	9.05	70	48928	897.548	ng	# 75
77) Benzidine	19.89	184	24262	3722.118	ng	# 91
78) Pyrene	19.69	202	216	14.312	ng	# 53
80) Butylbenzylphthalate	20.59	149	462	67.176	ng	# 73
81) Benzo(a)anthracene	21.53	228	437	30.173	ng	# 48
83) Chrysene	21.57	228	709	50.645	ng	# 40
84) Bis(2-ethylhexyl)phthalate	21.41	149	691	72.996	ng	# 50
85) Di-n-octyl phthalate	22.58	149	663	40.479	ng	# 78

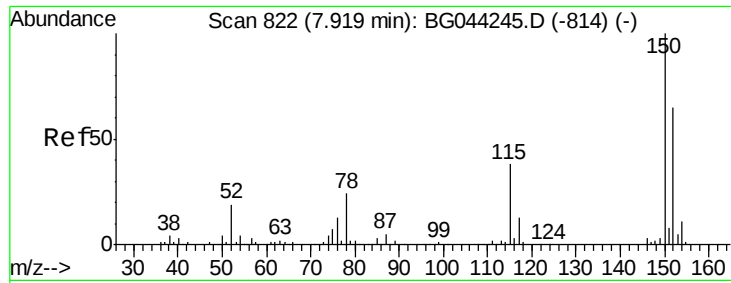
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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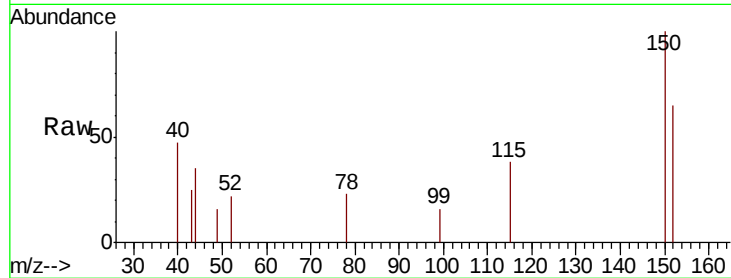


#1

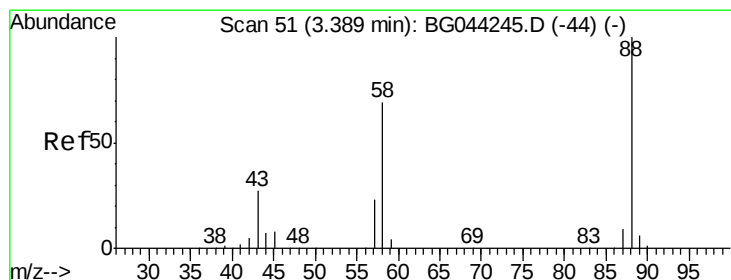
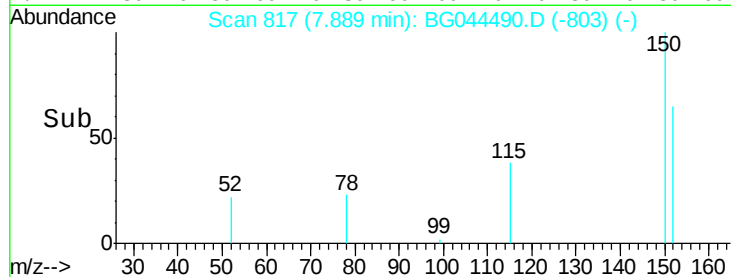
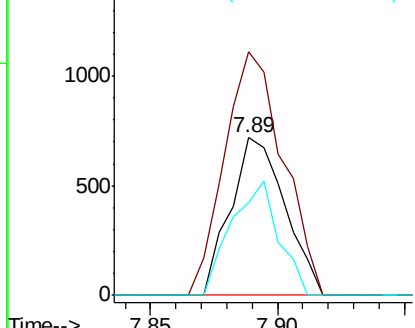
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044490.D
Acq: 19 Feb 2020 14:49

Instrument :
BNA_G
ClientSampled :
PB126885BL

Tot Ion:152 Resp: 1075
Ion Ratio Lower Upper
152 100
150 154.5 122.6 183.8
115 58.6 46.0 69.0



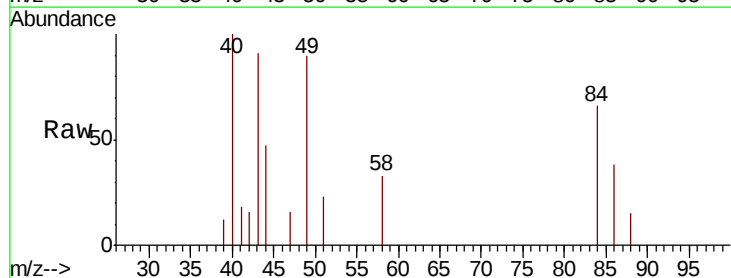
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



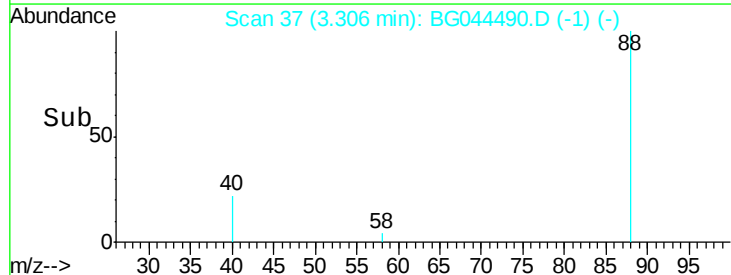
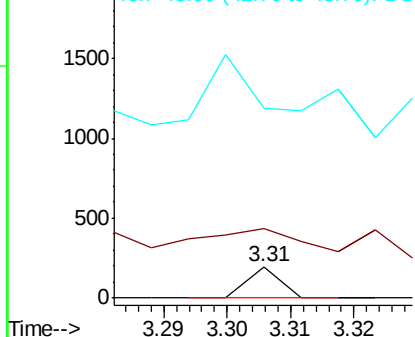
#2

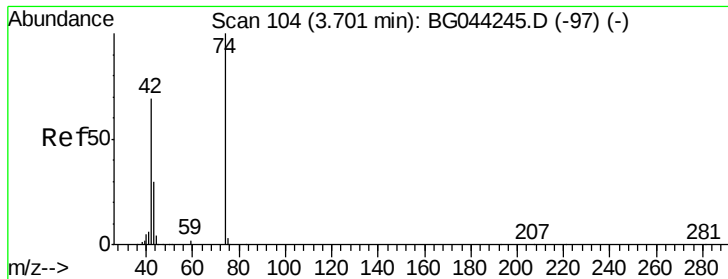
1,4-Dioxane
Concen: 2.521 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.06 min
Lab File: BG044490.D
Acq: 19 Feb 2020 14:49

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.6#
43 711.6 21.6 32.4#



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





#4

n-Nitrosodimethylamine

Concen: 4.890 ng

RT: 3.68 min Scan# 100

Delta R.T. 0.00 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampled :

PB126885BL

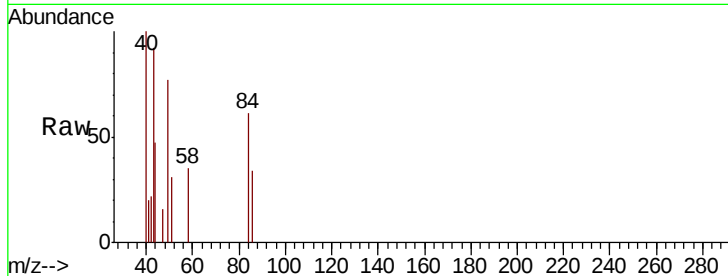
Tot Ion: 42 Resp: 149

Ion Ratio Lower Upper

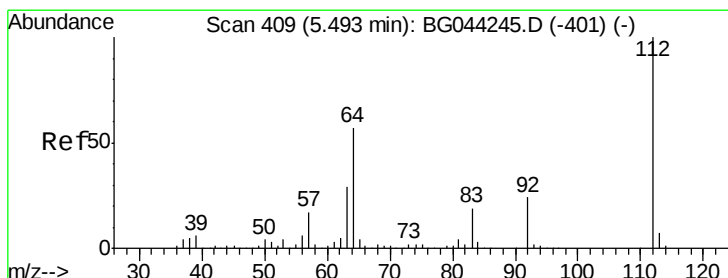
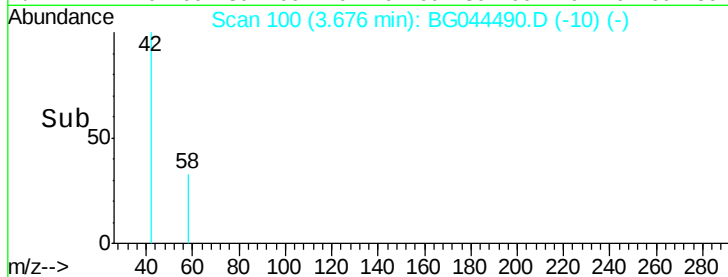
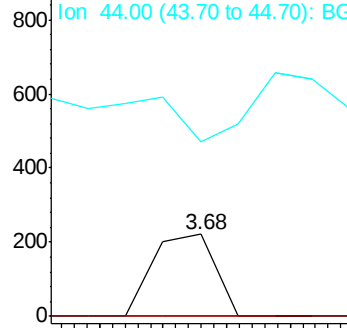
42 100

74 0.0 115.1 172.7#

44 213.1 5.6 8.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 8346.161 ng

RT: 5.47 min Scan# 405

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

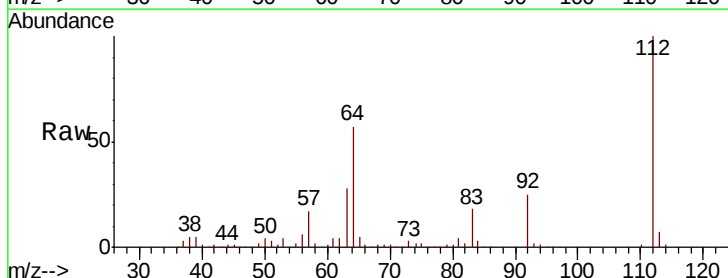
Tgt Ion: 112 Resp: 508381

Ion Ratio Lower Upper

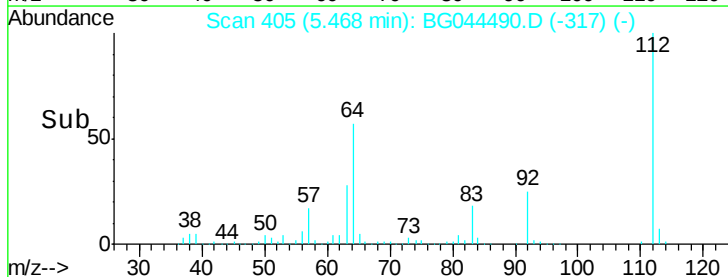
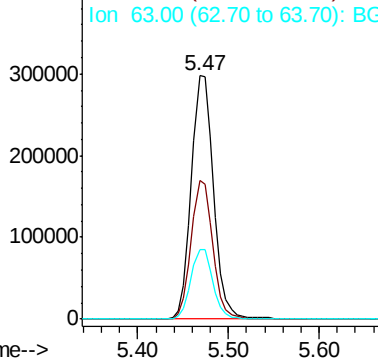
112 100

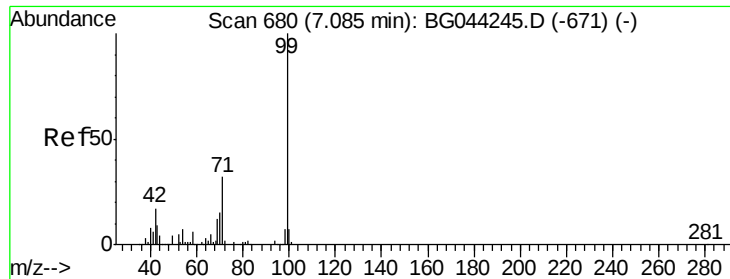
64 56.9 45.4 68.2

63 28.4 22.9 34.3



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: 7887.049 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

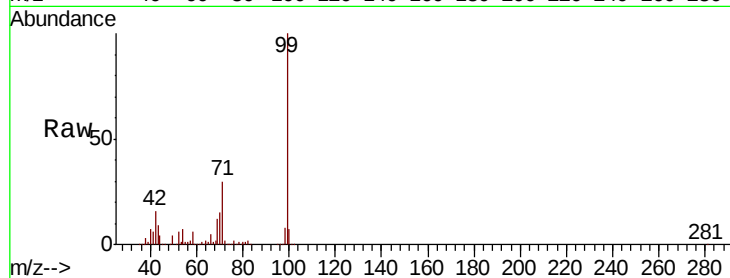
Tot Ion: 99 Resp: 645126

Ion Ratio Lower Upper

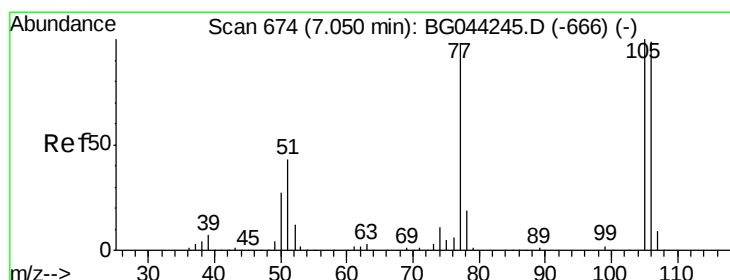
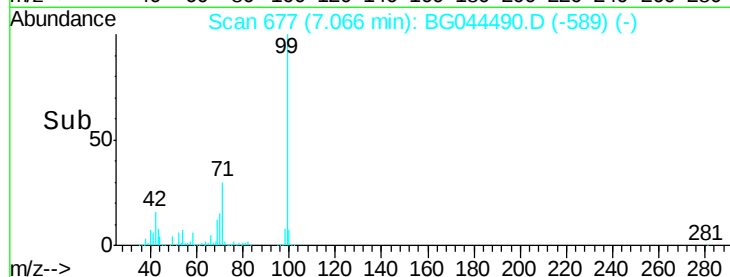
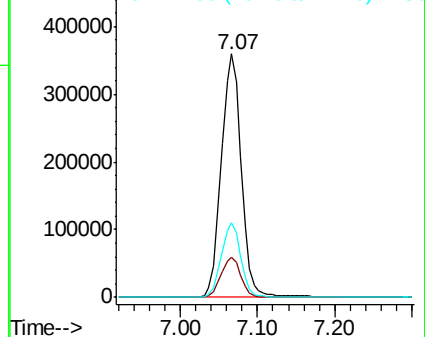
99 100

42 16.5 13.8 20.6

71 30.4 25.5 38.3



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



#9

Benzaldehyde

Concen: 21.616 ng

RT: 7.06 min Scan# 676

Delta R.T. 0.02 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

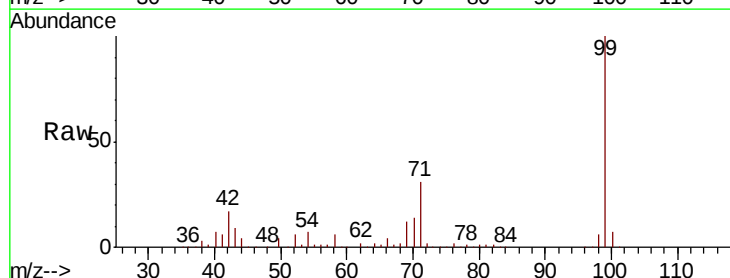
Tgt Ion: 77 Resp: 1007

Ion Ratio Lower Upper

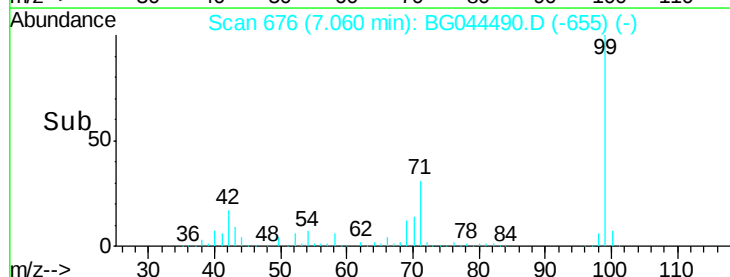
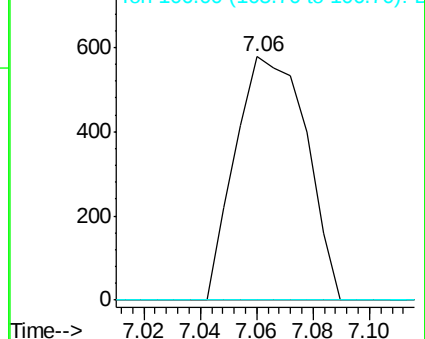
77 100

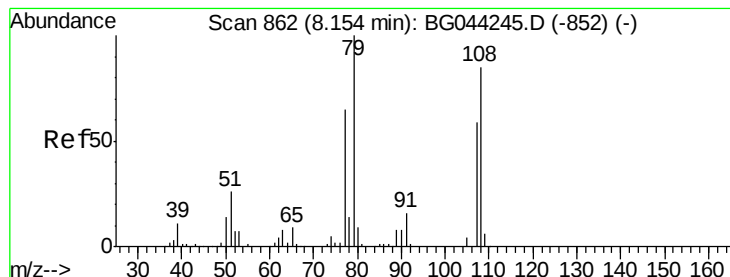
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 106.114 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.07 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampled :

PB126885BL

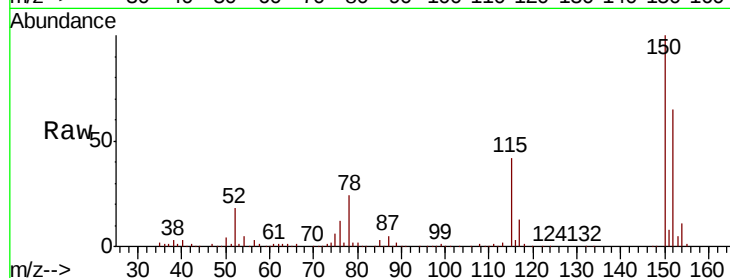
Tot Ion: 79 Resp: 6145

Ion Ratio Lower Upper

79 100

108 41.8 68.3 102.5#

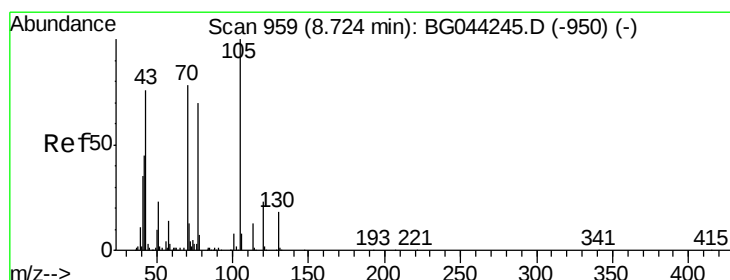
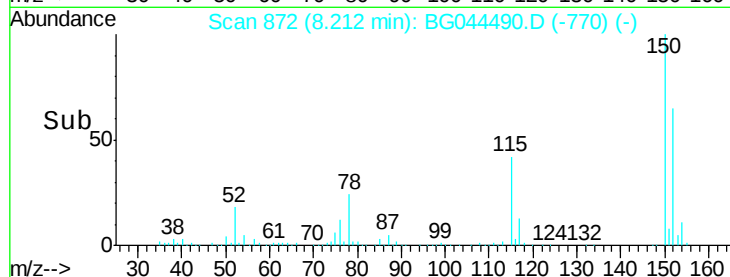
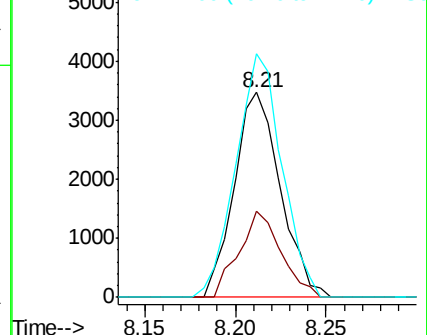
77 118.7 51.8 77.8#



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: 897.548 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Tgt Ion: 70 Resp: 48928

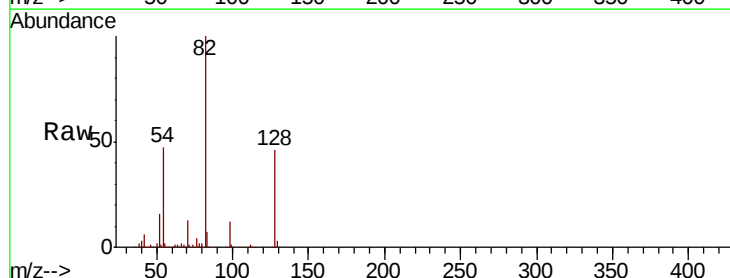
Ion Ratio Lower Upper

70 100

42 43.7 46.2 69.2#

101 0.0 8.4 12.6#

130 2.5 17.8 26.8#

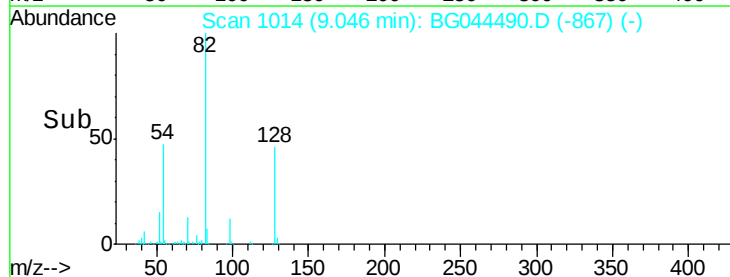
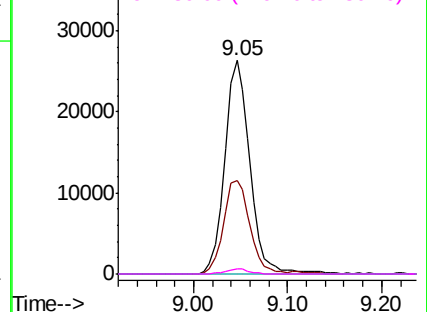


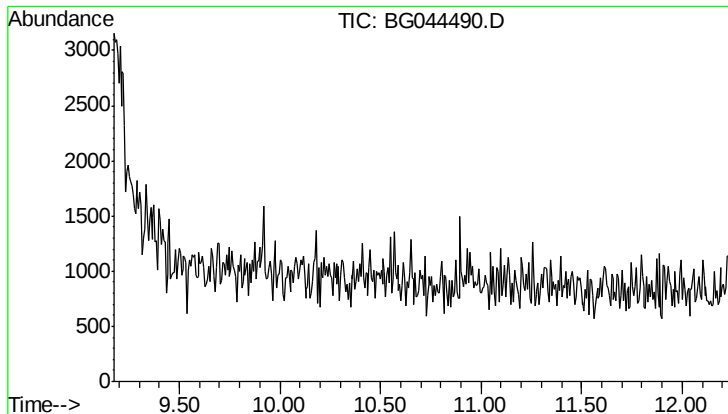
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

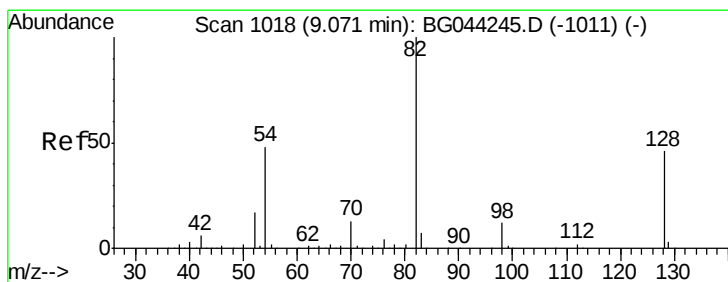
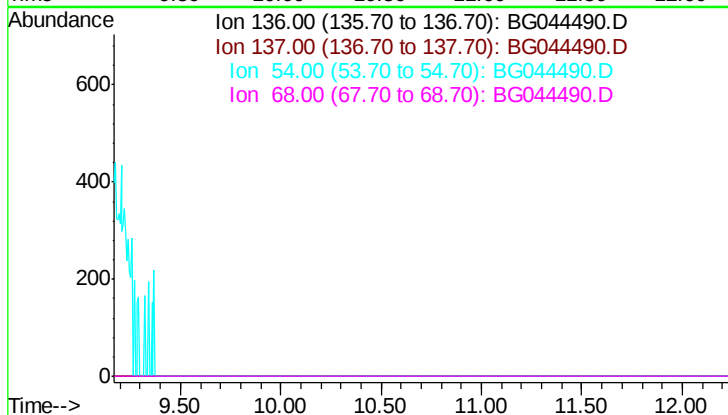




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.70 min
Lab File: BG044490.D
Acq: 19 Feb 2020 14:49

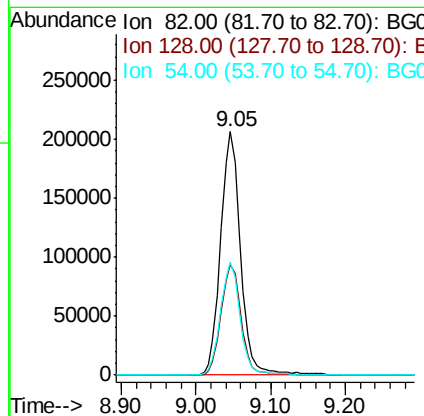
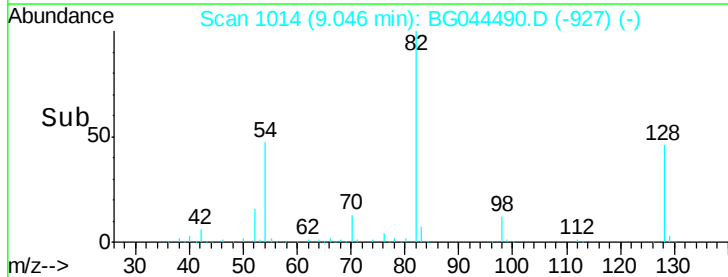
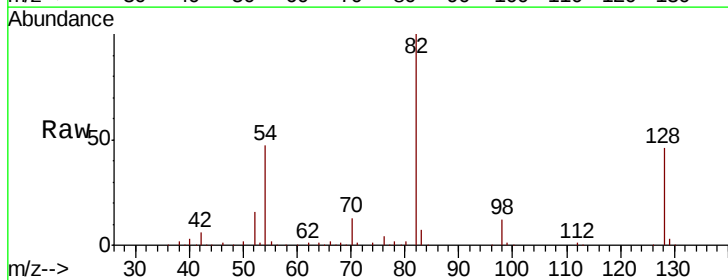
Instrument :
BNA_G
ClientSampleId :
PB126885BL

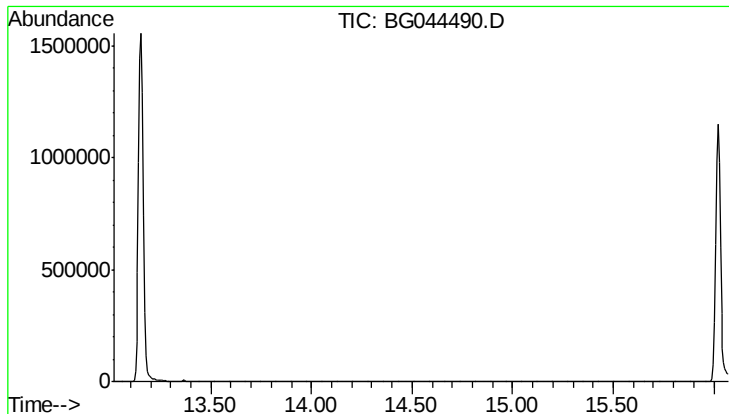
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.0
54 7.3
68 5.7



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044490.D
Acq: 19 Feb 2020 14:49

Tgt Ion: 82 Resp: 384325
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 46.7 38.6 58.0





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.54 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

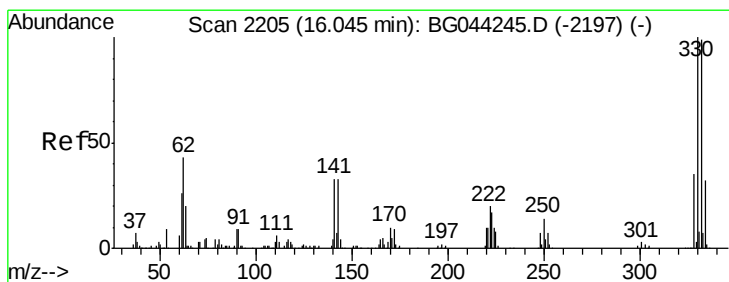
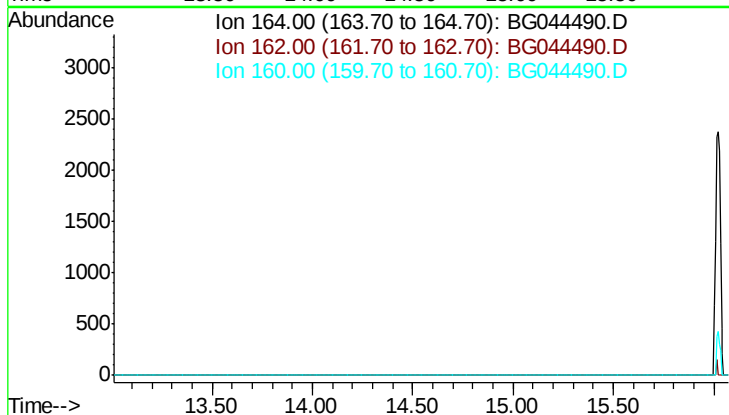
Tot Ion: 164

Sig Exp Ratio

164 100

162 100.9

160 44.1



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

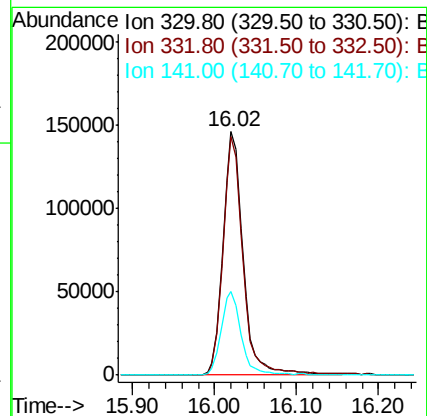
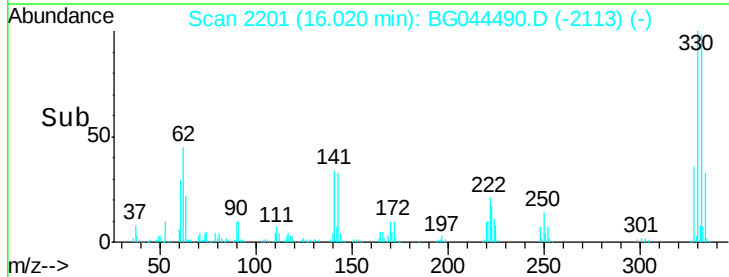
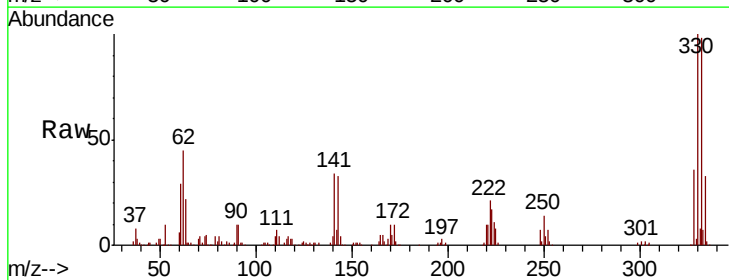
Tgt Ion: 330 Resp: 252272

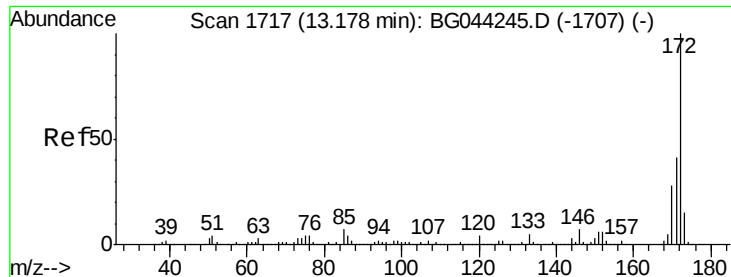
Ion Ratio Lower Upper

330 100

332 97.4 77.2 115.8

141 34.0 28.3 42.5

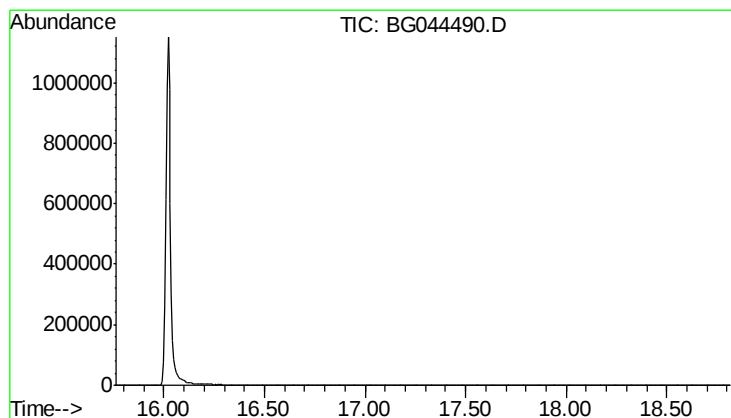
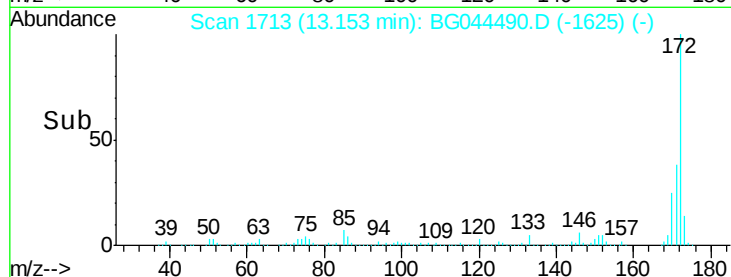
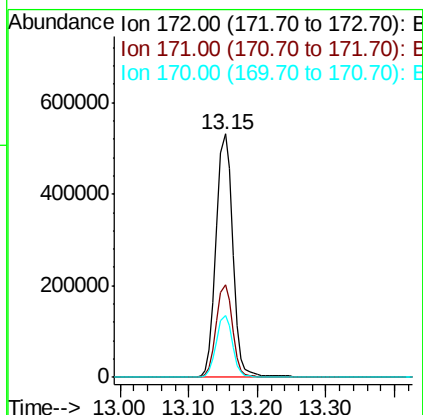
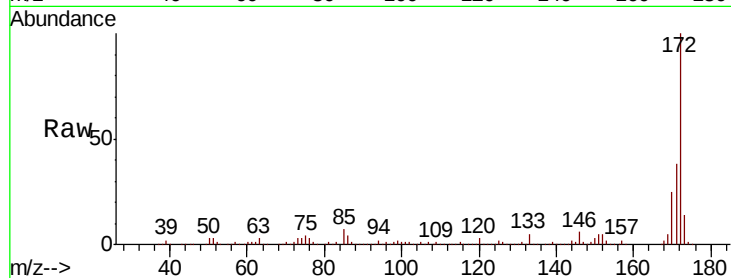




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044490.D
 Acq: 19 Feb 2020 14:49

Instrument :
 BNA_G
 ClientSampleId :
 PB126885BL

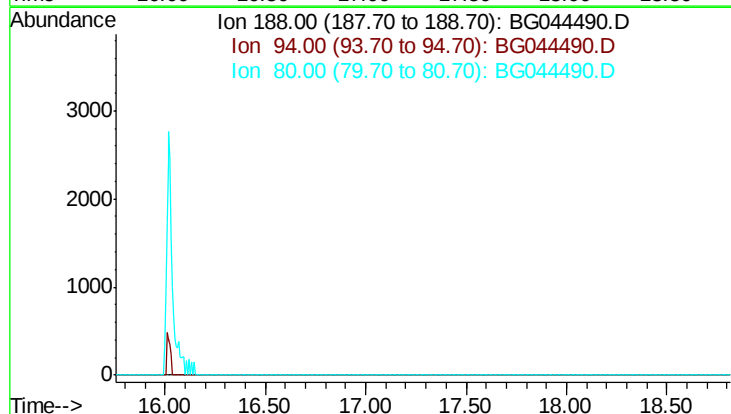
Tot Ion:172 Resp: 900613
 Ion Ratio Lower Upper
 172 100
 171 37.9 32.9 49.3
 170 25.4 22.0 33.0

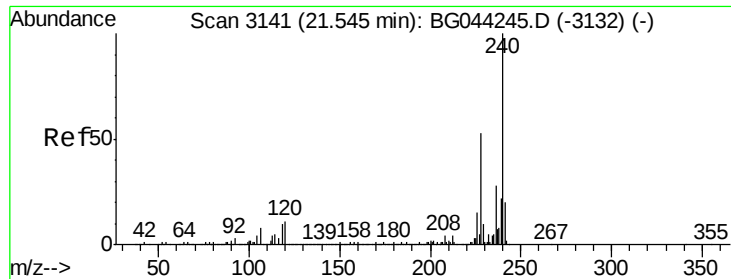


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.29 min

Lab File: BG044490.D
 Acq: 19 Feb 2020 14:49

Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 9.3
 80 9.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

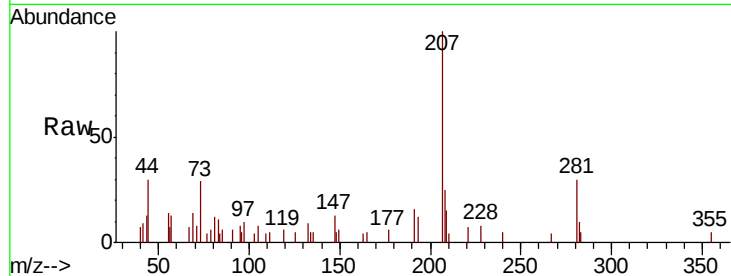
Tot Ion:240 Resp: 235

Ion Ratio Lower Upper

240 100

120 0.0 8.4 12.6#

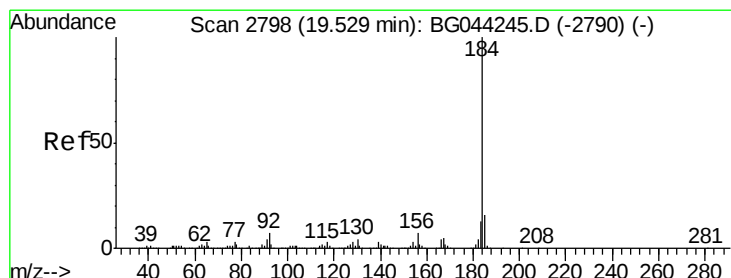
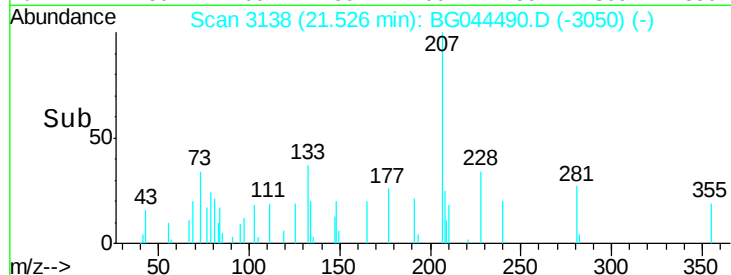
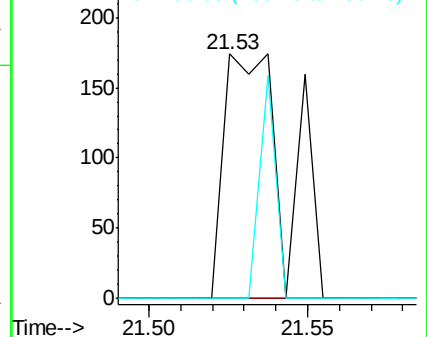
236 0.0 22.1 33.1#



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: 3722.118 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.37 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

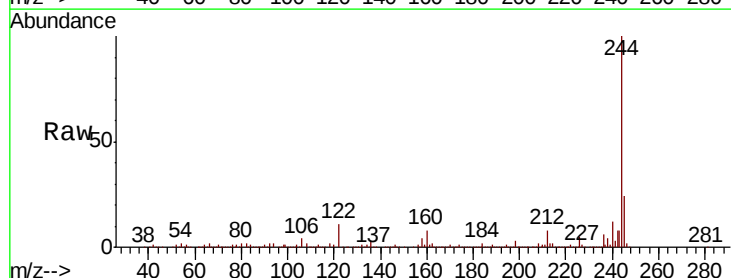
Tgt Ion:184 Resp: 24262

Ion Ratio Lower Upper

184 100

185 14.8 12.9 19.3

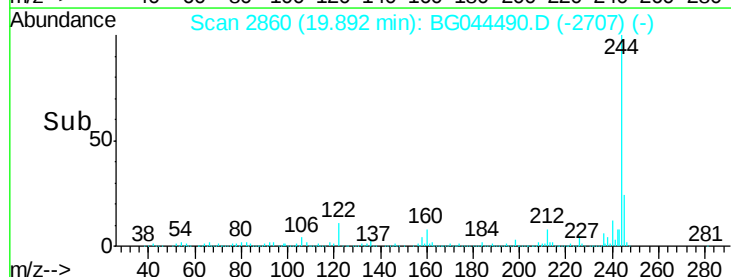
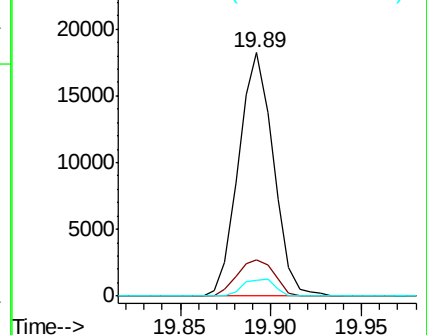
183 6.6 10.8 16.2#

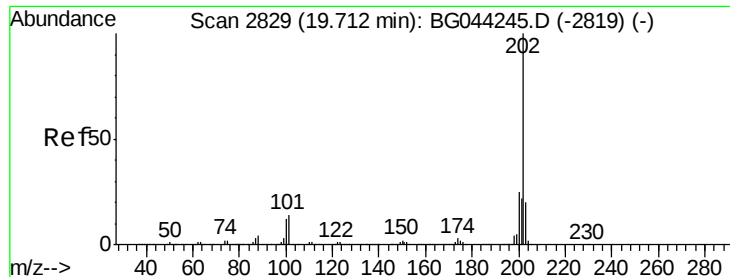


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 14.312 ng

RT: 19.69 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

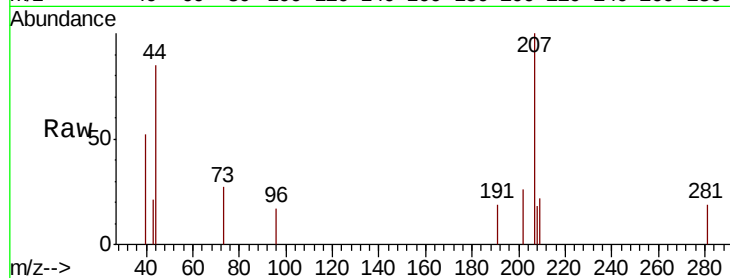
Tot Ion:202 Resp: 216

Ion Ratio Lower Upper

202 100

200 0.0 20.0 30.0#

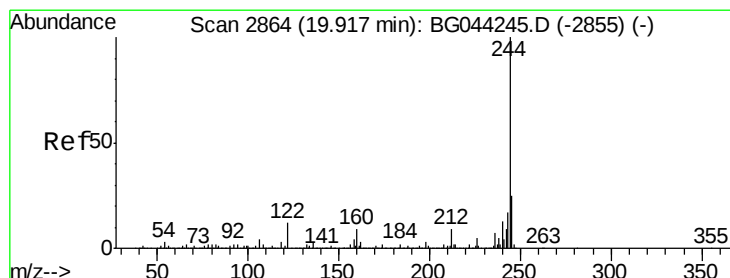
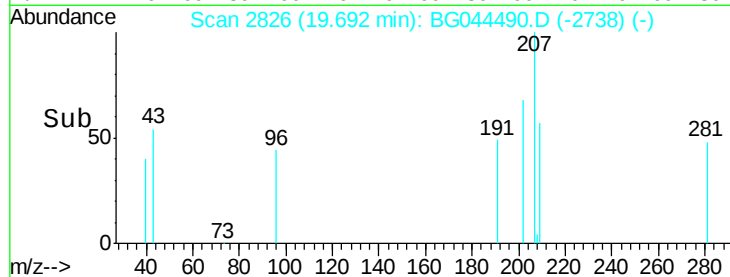
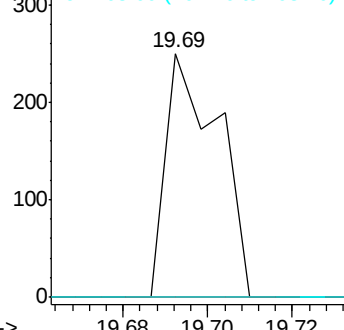
203 0.0 16.2 24.2#



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: 137154.513 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

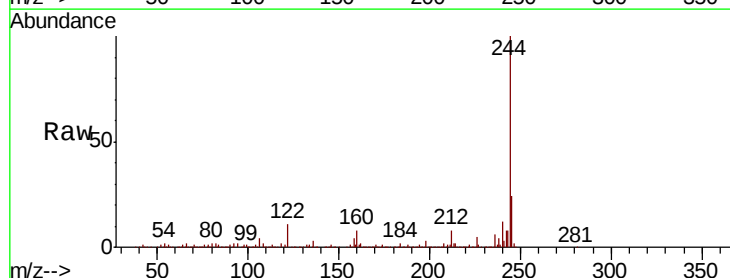
Tgt Ion:244 Resp: 1567007

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

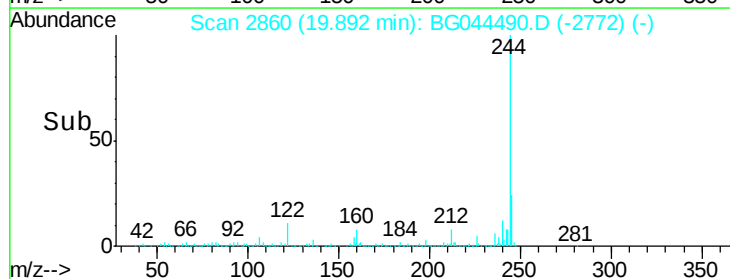
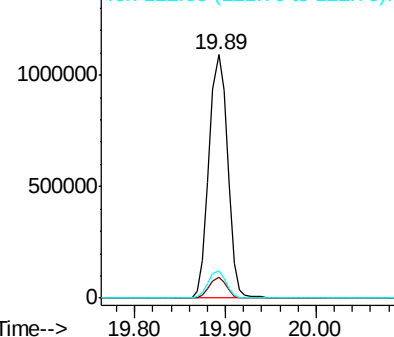
122 11.3 9.8 14.6

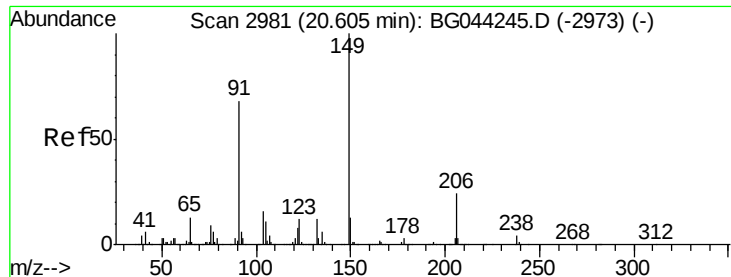


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

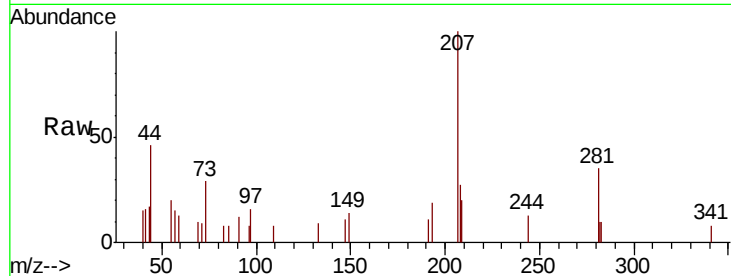




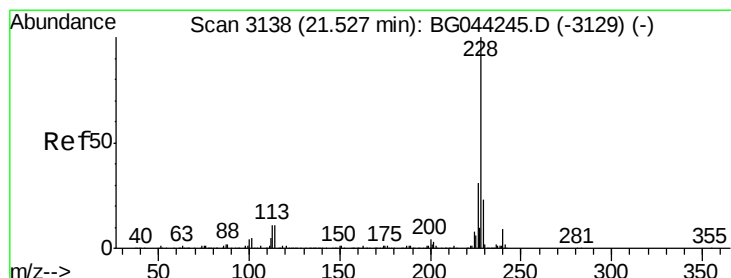
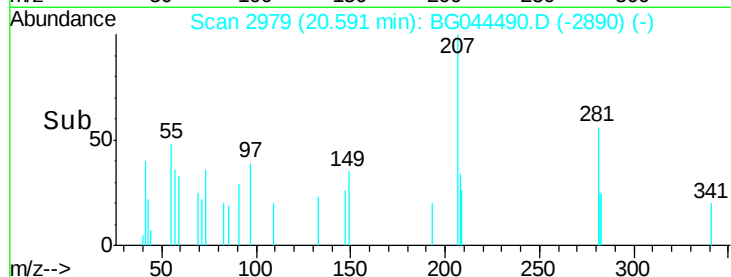
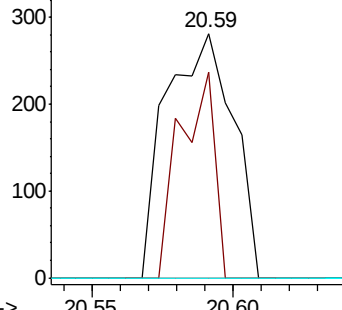
#80
 Butylbenzylphthalate
 Concen: 67.176 ng
 RT: 20.59 min Scan# 2979
 Delta R.T. -0.01 min
 Lab File: BG044490.D
 Acq: 19 Feb 2020 14:49

Instrument :
 BNA_G
 ClientSampleId :
 PB126885BL

Tot Ion:149 Resp: 462
 Ion Ratio Lower Upper
 149 100
 91 84.3 54.5 81.7#
 206 0.0 19.1 28.7#

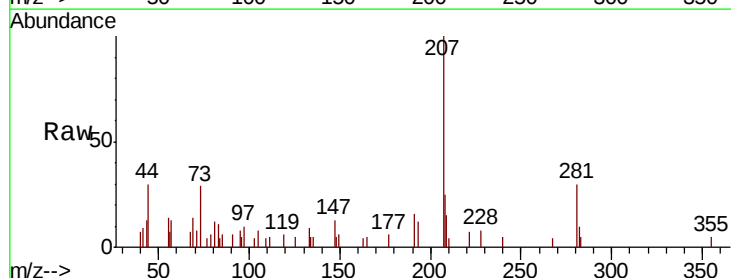


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BGC
 Ion 206.00 (205.70 to 206.70): E

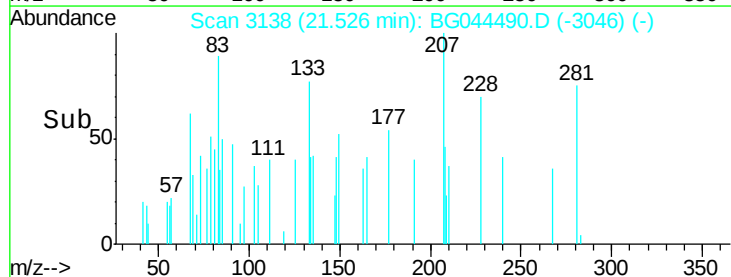
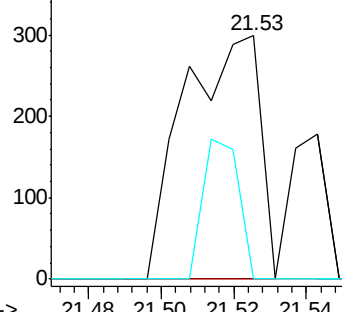


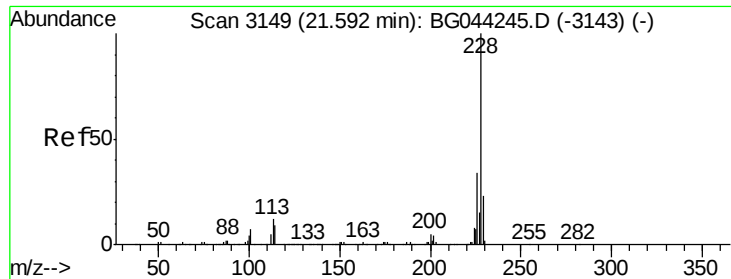
#81
 Benzo(a)anthracene
 Concen: 30.173 ng
 RT: 21.53 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BG044490.D
 Acq: 19 Feb 2020 14:49

Tgt Ion:228 Resp: 437
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.7 37.1#
 229 0.0 18.2 27.4#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 50.645 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

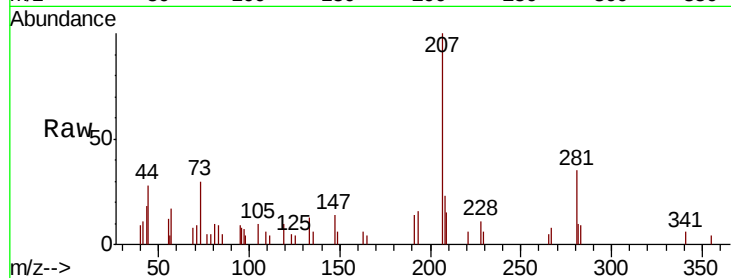
Tot Ion:228 Resp: 709

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

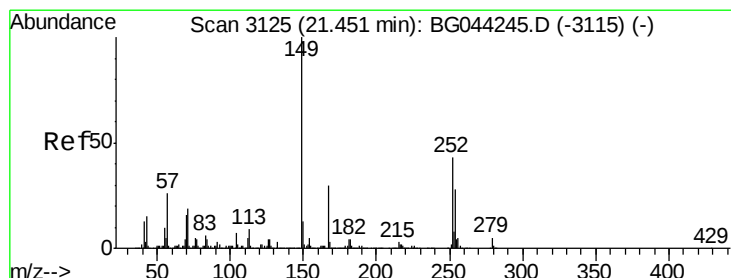
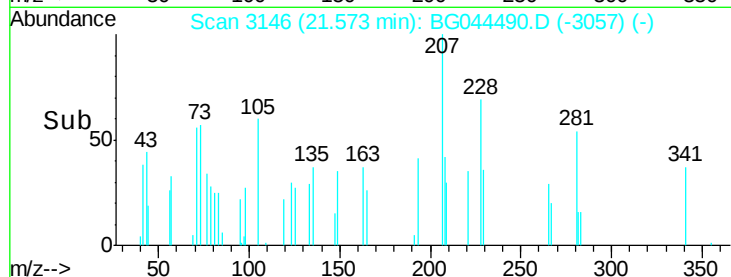
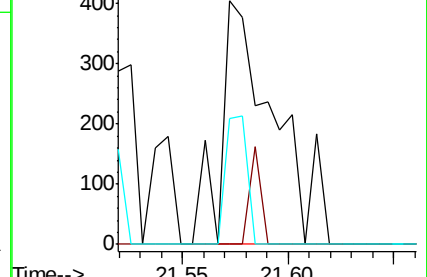
229 51.7 17.9 26.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 72.996 ng

RT: 21.41 min Scan# 3119

Delta R.T. -0.02 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

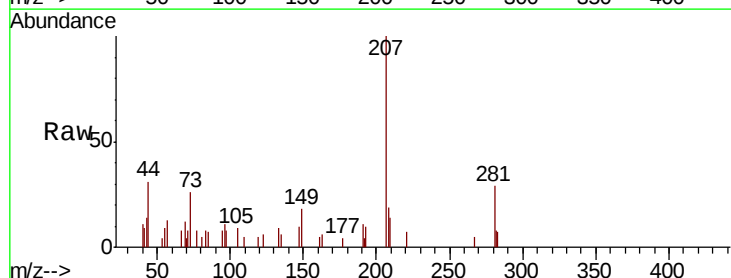
Tgt Ion:149 Resp: 691

Ion Ratio Lower Upper

149 100

167 0.0 24.0 36.0#

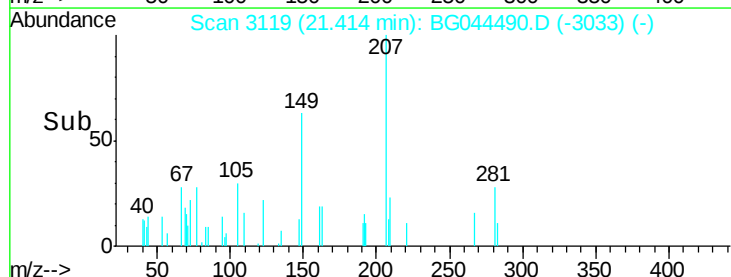
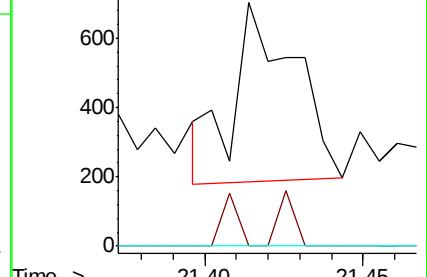
279 0.0 3.8 5.8#

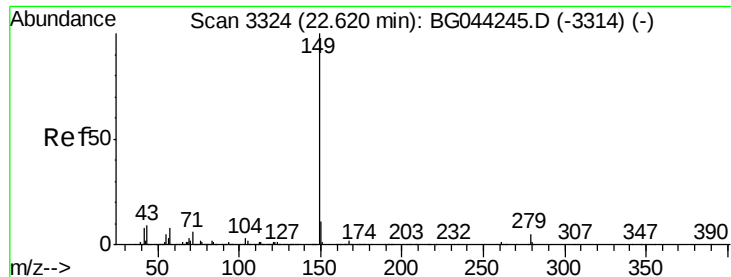


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 40.479 ng

RT: 22.58 min Scan# 3317

Delta R.T. -0.03 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Instrument :

BNA_G

ClientSampleId :

PB126885BL

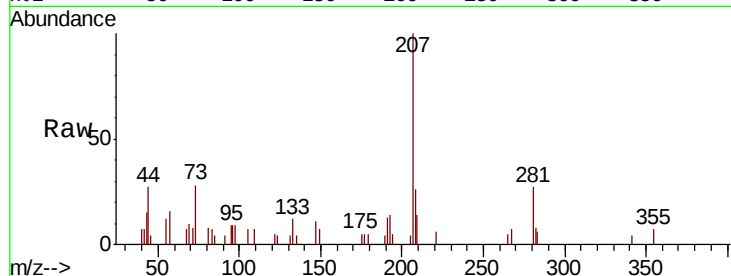
Tot Ion:149 Resp: 663

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

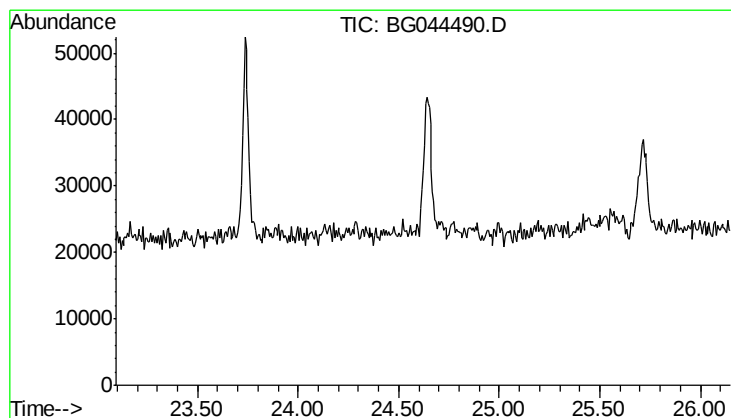
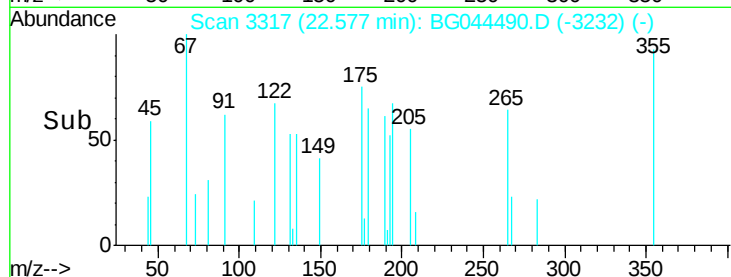
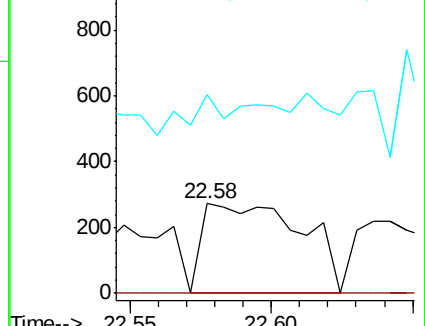
43 0.0 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#87

Perylene-d12

Concen: 0.000 ng

Expected RT: 24.62 min

Lab File: BG044490.D

Acq: 19 Feb 2020 14:49

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.3

265 20.9

