

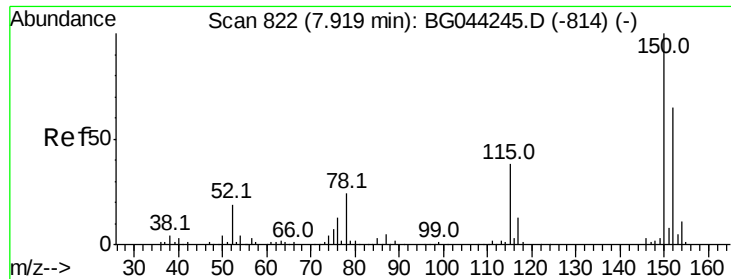
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044394.D
 Acq On : 11 Feb 2020 18:34
 Operator : CG/JU
 Sample : PB126699TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126699TB

Quant Time: Feb 12 03:07:08 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	7.91	152	85182	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	329538	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	202117	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	457577	20.00	ng	0.00
76) Chrysene-d12	21.53	240	449658	20.00	ng	0.00
87) Perylene-d12	24.62	264	456760	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	675878	140.03	ng	0.00
7) Phenol-d6	7.08	99	795130	122.68	ng	0.00
23) Nitrobenzene-d5	9.06	82	592313	101.47	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	366689	154.54	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1230600	101.96	ng	0.00
79) Terphenyl-d14	19.90	244	2051966	93.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	76712	17.759	ng	# 76
51) 2,6-Dinitrotoluene	14.54	165	26158	8.075	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	26158	5.761	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	25319	5.079	ng	# 1
77) Benzidine	19.90	184	35215	2.823	ng	# 91

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

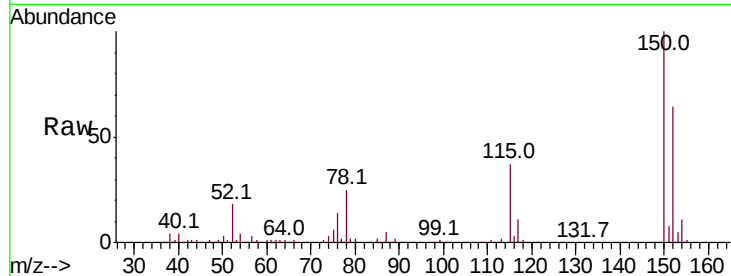


#1

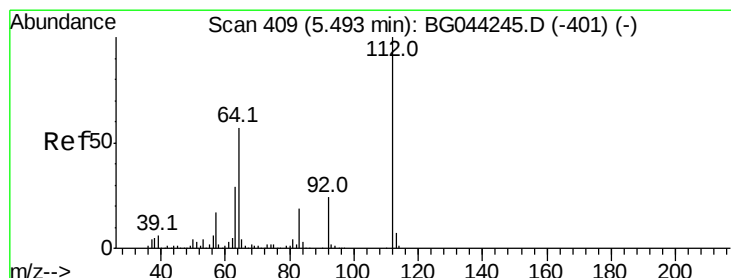
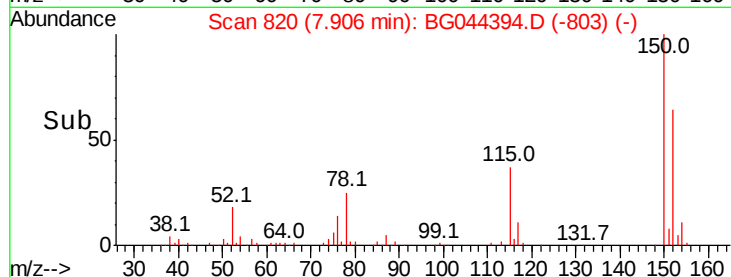
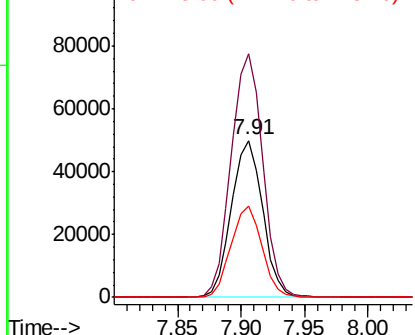
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
PB126699TB

Tot Ion:152 Resp: 85182
Ion Ratio Lower Upper
152 100
150 155.4 122.6 183.8
115 58.0 46.0 69.0



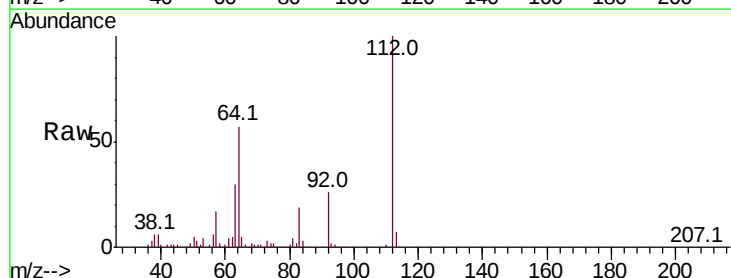
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



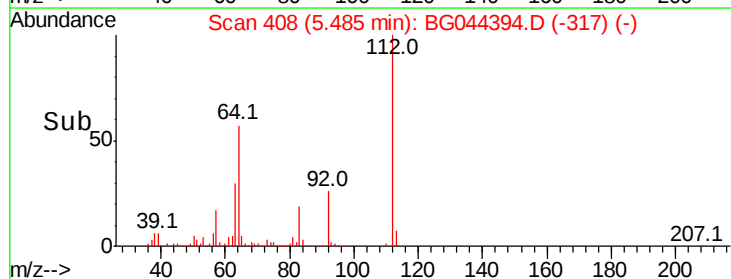
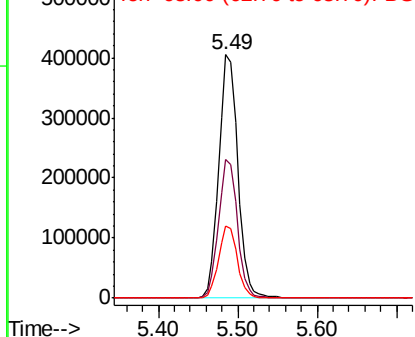
#5

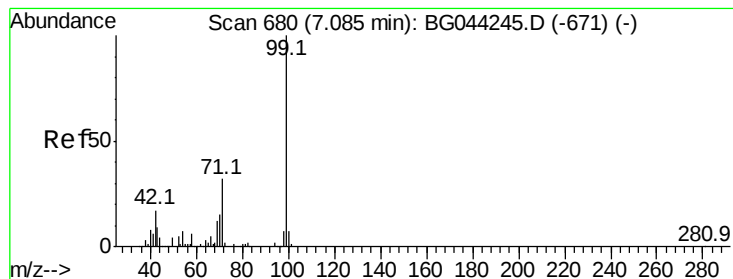
2-Fluorophenol
Concen: 140.032 ng
RT: 5.49 min Scan# 408
Delta R.T. 0.01 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Tgt Ion:112 Resp: 675878
Ion Ratio Lower Upper
112 100
64 57.1 45.4 68.2
63 29.7 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 122.679 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

PB126699TB

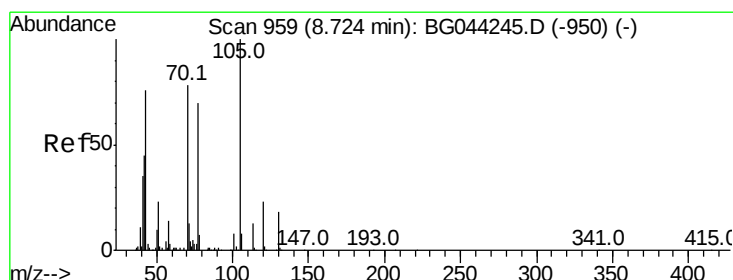
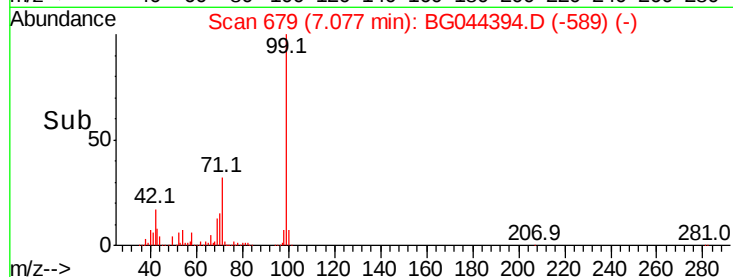
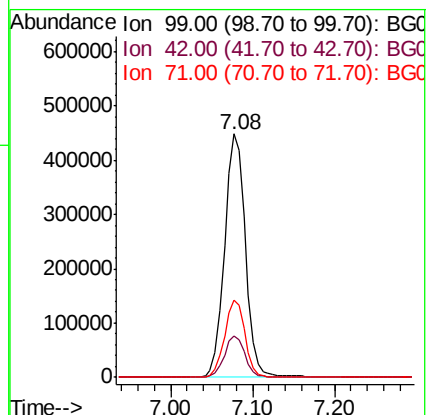
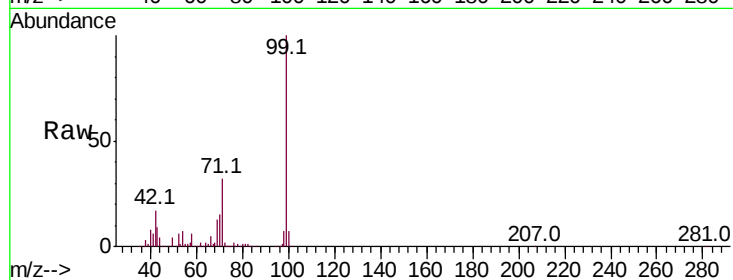
Tot Ion: 99 Resp: 795130

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.6

71 31.8 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.759 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

Tgt Ion: 70 Resp: 76712

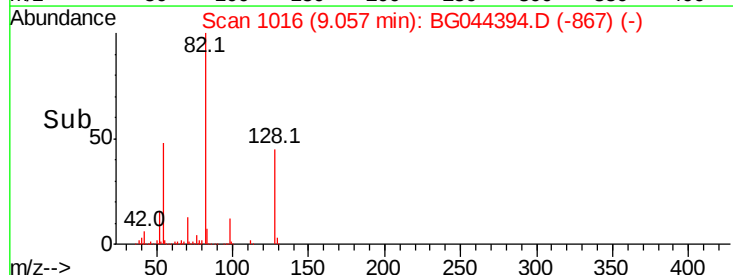
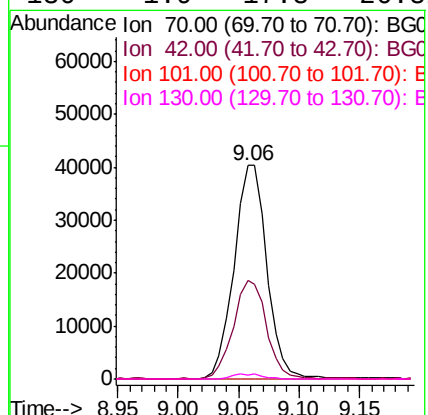
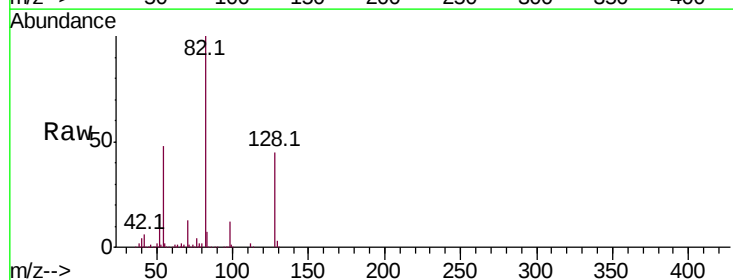
Ion Ratio Lower Upper

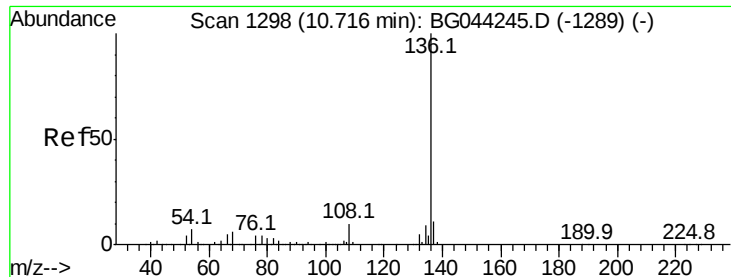
70 100

42 46.0 46.2 69.2#

101 0.0 8.4 12.6#

130 1.9 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.70 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

PB126699TB

Tot Ion:136 Resp: 329538

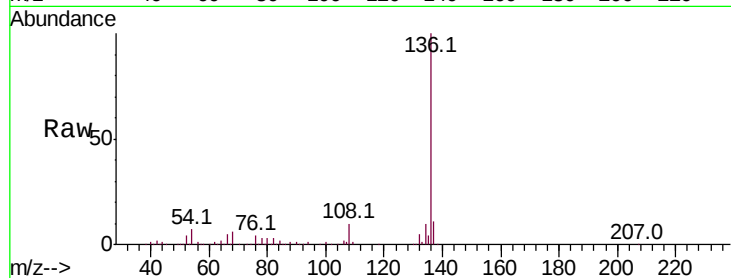
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.0 5.8 8.8

68 5.6 4.6 6.8

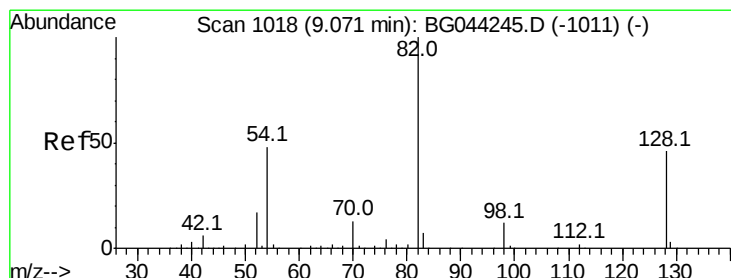
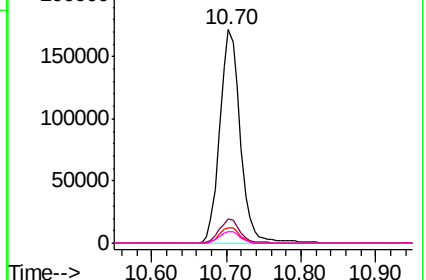
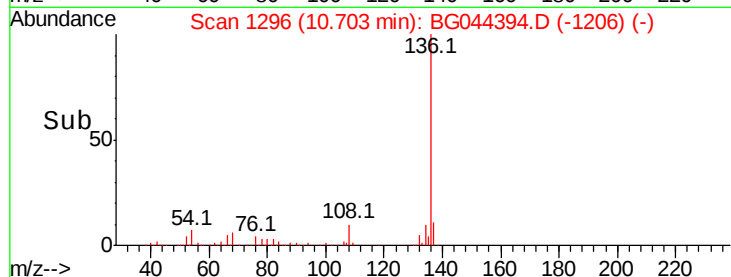


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 101.475 ng

RT: 9.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

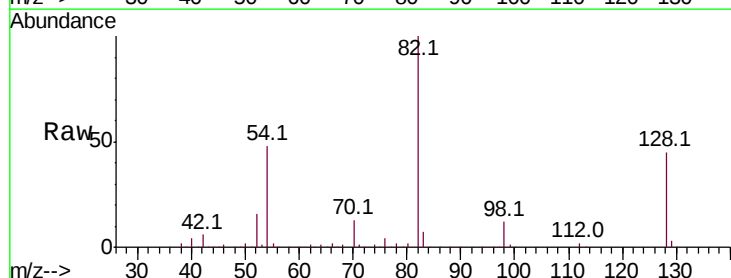
Tgt Ion: 82 Resp: 592313

Ion Ratio Lower Upper

82 100

128 45.3 36.5 54.7

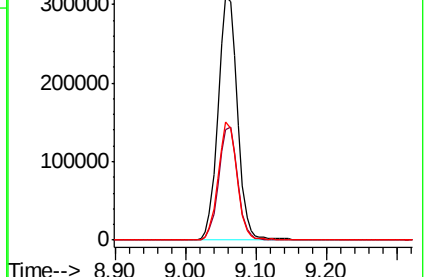
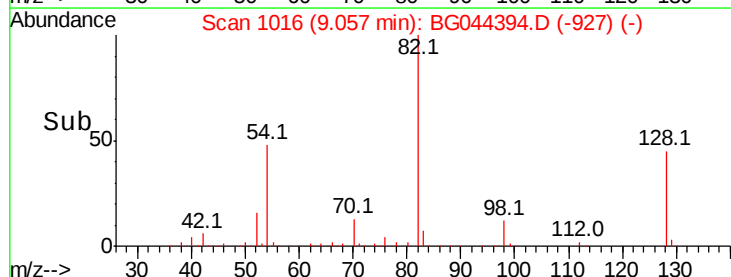
54 48.4 38.6 58.0

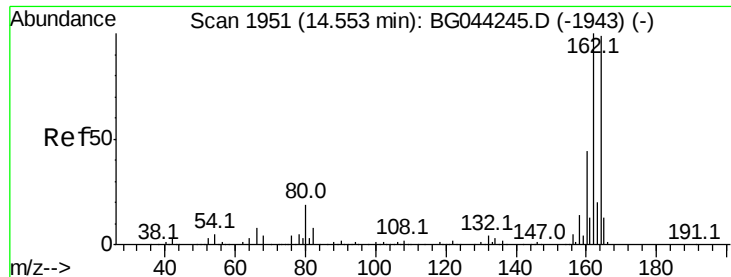


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

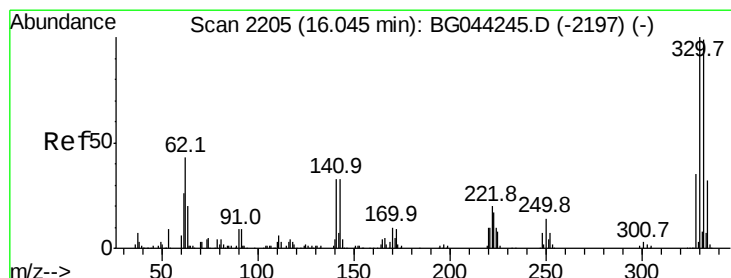
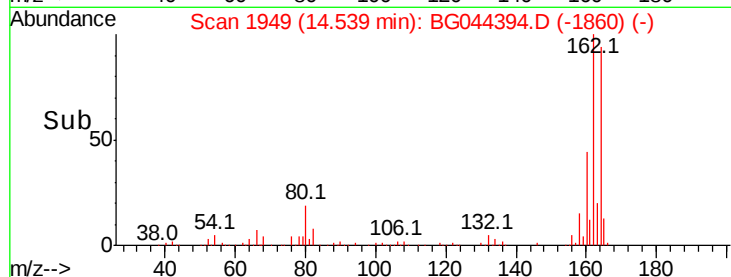
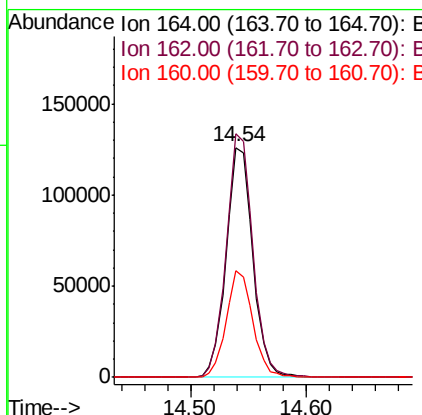
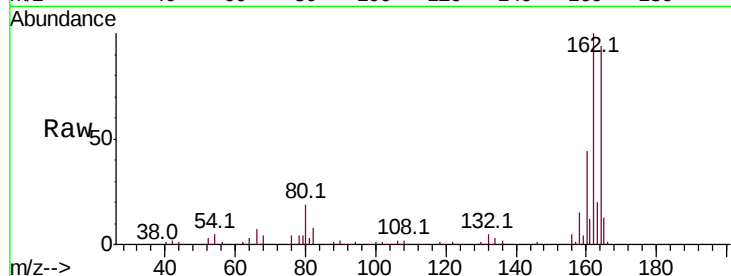




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

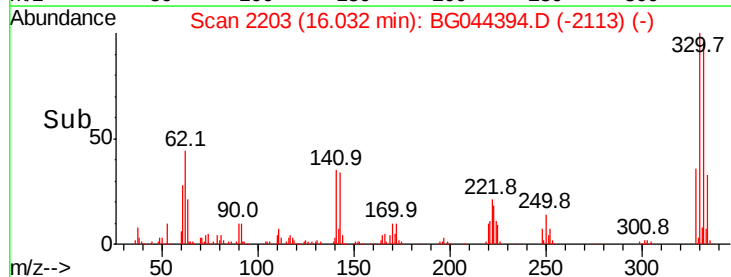
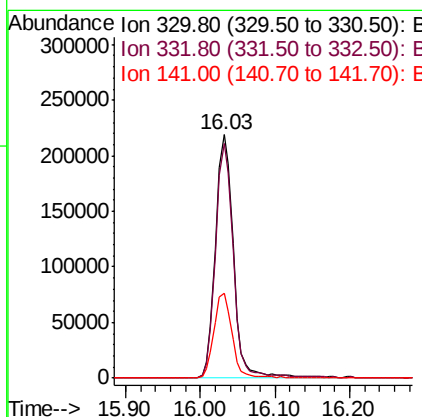
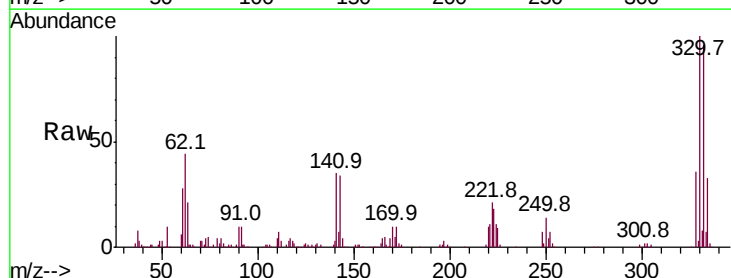
Instrument :
BNA_G
ClientSampleId :
PB126699TB

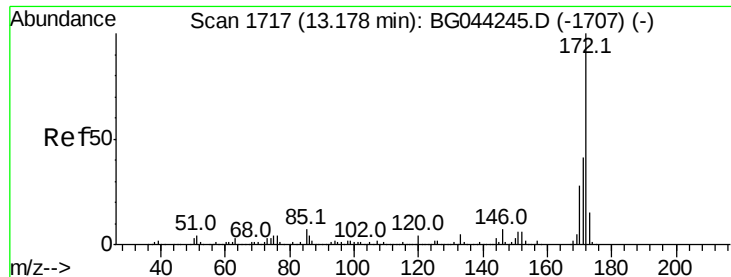
Tot Ion:164 Resp: 202117
Ion Ratio Lower Upper
164 100
162 106.0 80.7 121.1
160 46.3 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 154.543 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Tgt Ion:330 Resp: 366689
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 35.4 28.3 42.5

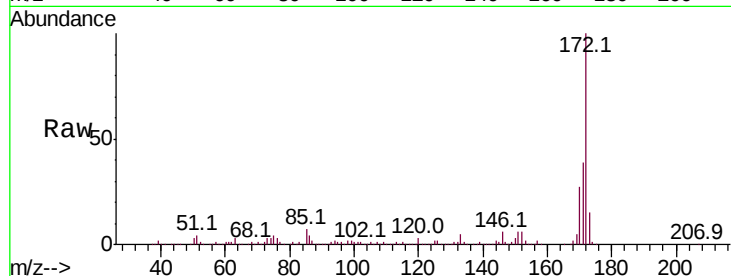




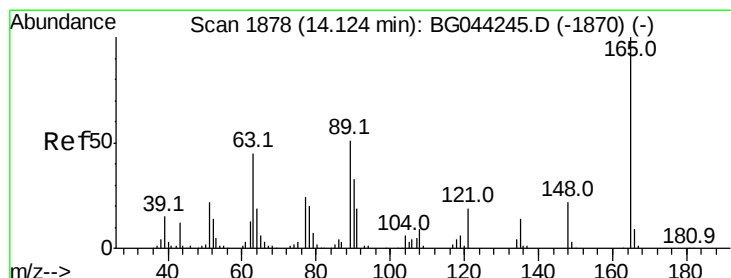
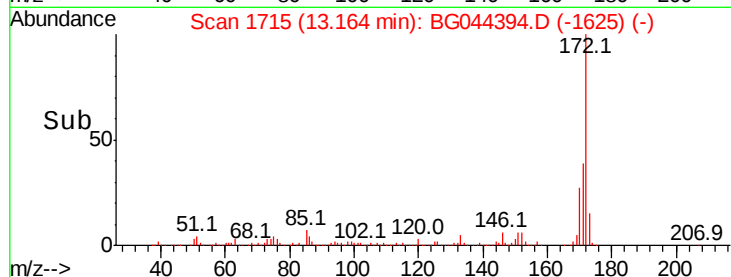
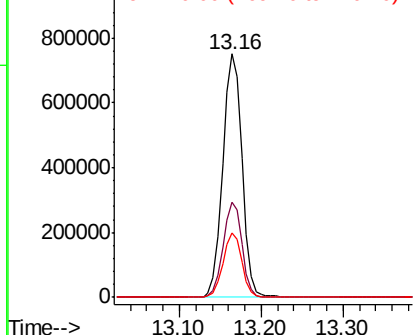
#45
2-Fluorobiphenyl
Concen: 101.956 ng
RT: 13.16 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
PB126699TB

Tot Ion:172 Resp: 1230600
Ion Ratio Lower Upper
172 100
171 38.9 32.9 49.3
170 26.5 22.0 33.0

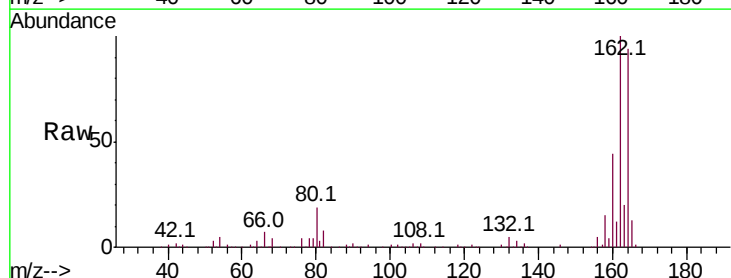


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

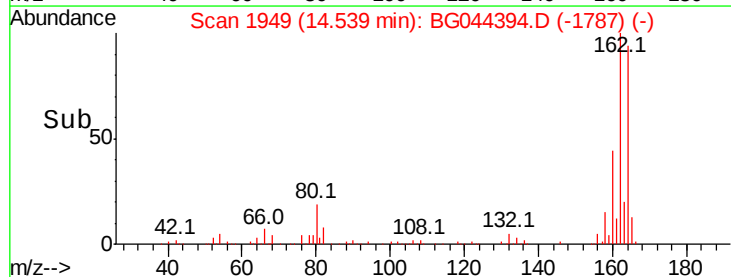
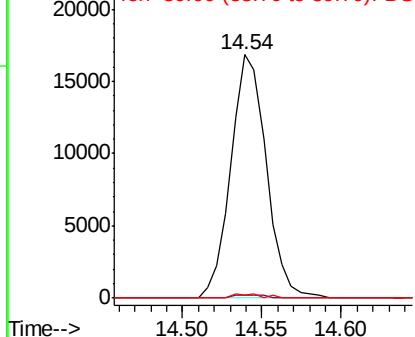


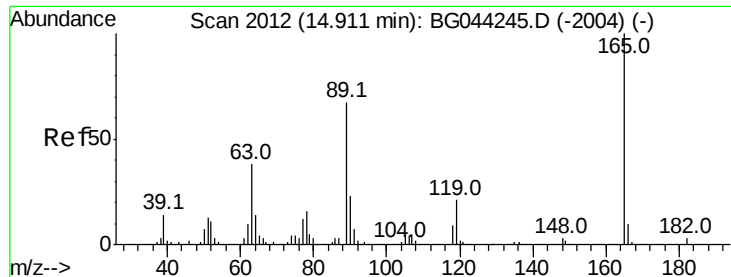
#51
2,6-Dinitrotoluene
Concen: 8.075 ng
RT: 14.54 min Scan# 1949
Delta R.T. 0.42 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Tgt Ion:165 Resp: 26158
Ion Ratio Lower Upper
165 100
63 1.4 38.7 58.1#
89 1.2 40.4 60.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

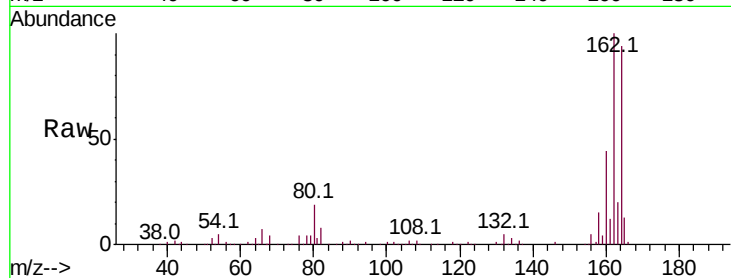




#57
 2,4-Dinitrotoluene
 Concen: 5.761 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044394.D
 Acq: 11 Feb 2020 18:34

Instrument :
 BNA_G
 ClientSampleId :
 PB126699TB

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	30.3	45.5#
89	1.2	53.4	80.2#
182	0.0	2.1	3.1#



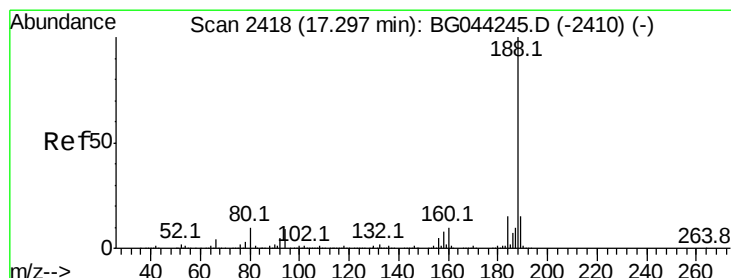
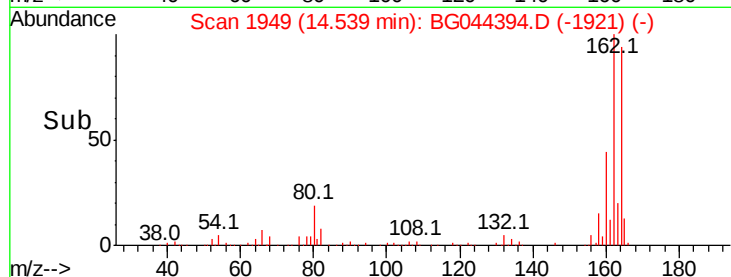
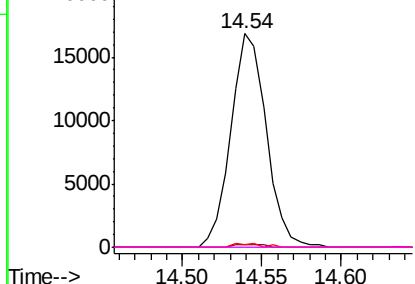
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

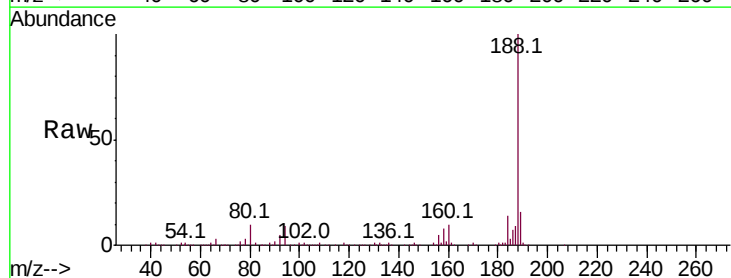
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. -0.01 min
 Lab File: BG044394.D
 Acq: 11 Feb 2020 18:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.2
80	9.6	7.7	11.5

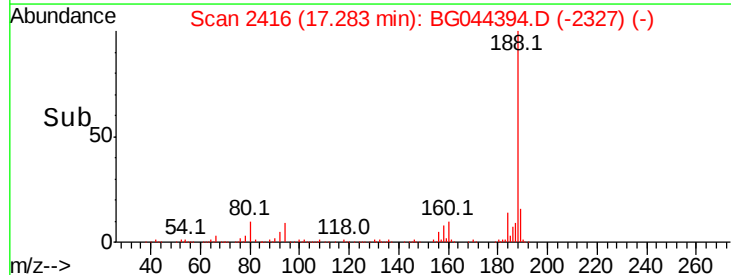
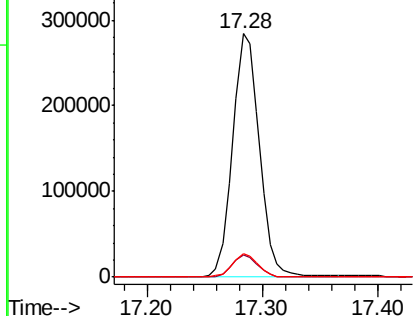


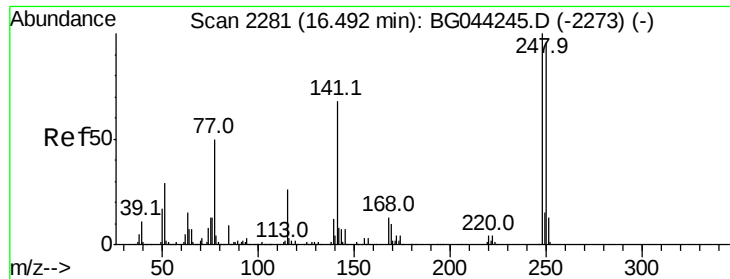
Abundance

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

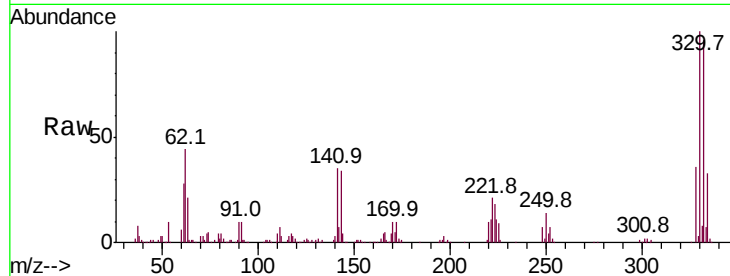




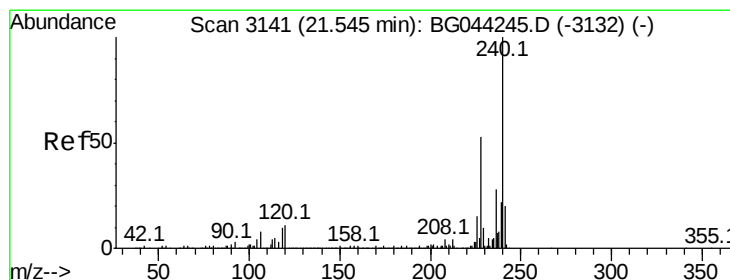
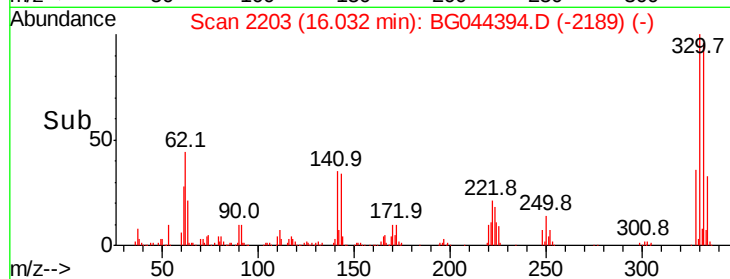
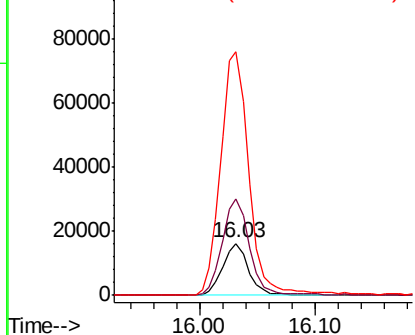
#67
 4-Bromophenyl-phenylether
 Concen: 5.079 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044394.D
 Acq: 11 Feb 2020 18:34

Instrument :
 BNA_G
 ClientSampleID :
 PB126699TB

Tot Ion:248 Resp: 25319
 Ion Ratio Lower Upper
 248 100
 250 185.8 76.6 114.8#
 141 466.2 54.7 82.1#

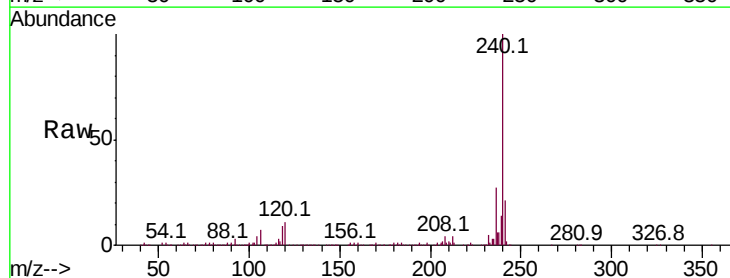


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

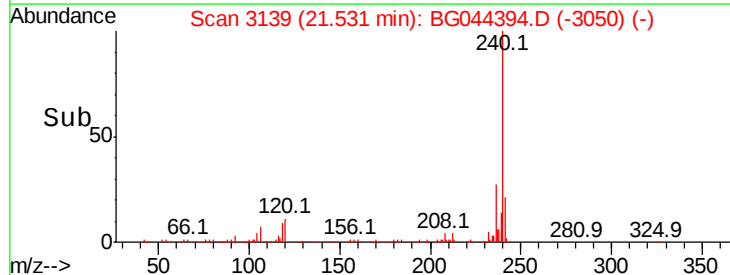
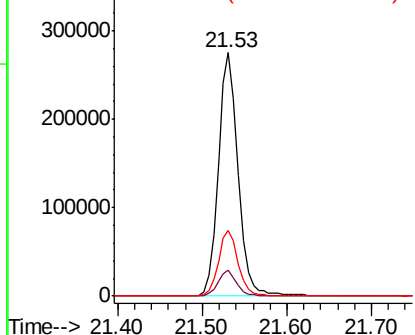


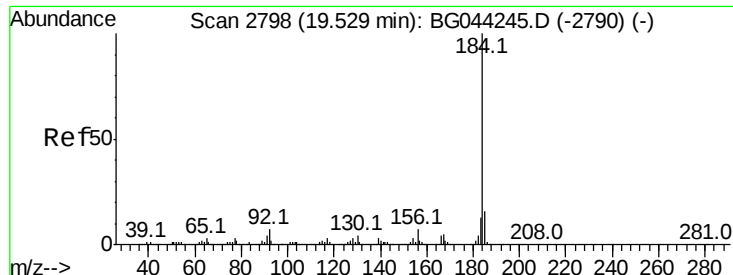
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG044394.D
 Acq: 11 Feb 2020 18:34

Tgt Ion:240 Resp: 449658
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.4 12.6
 236 26.8 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: 2.823 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

Instrument :

BNA_G

ClientSampleId :

PB126699TB

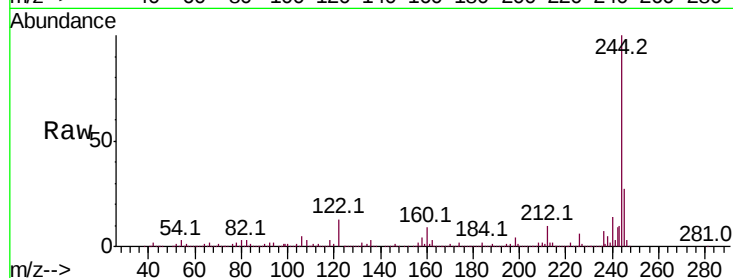
Tot Ion:184 Resp: 35215

Ion Ratio Lower Upper

184 100

185 15.9 12.9 19.3

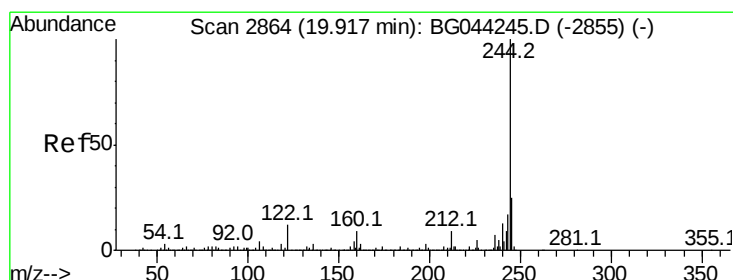
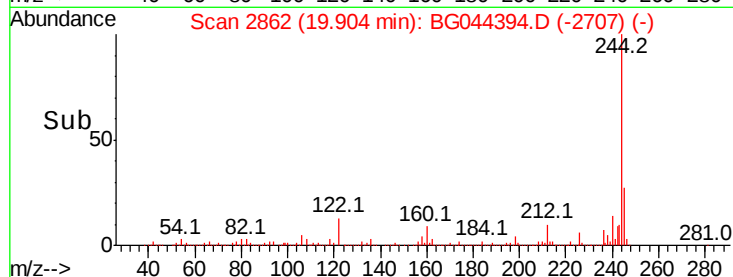
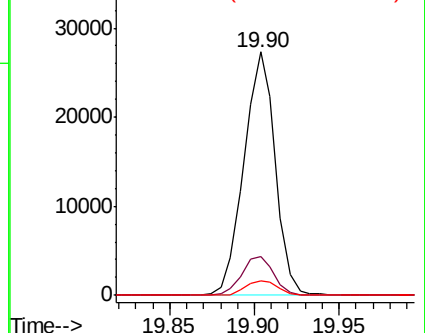
183 5.9 10.8 16.2#



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



#79

Terphenyl-d14

Concen: 93.863 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044394.D

Acq: 11 Feb 2020 18:34

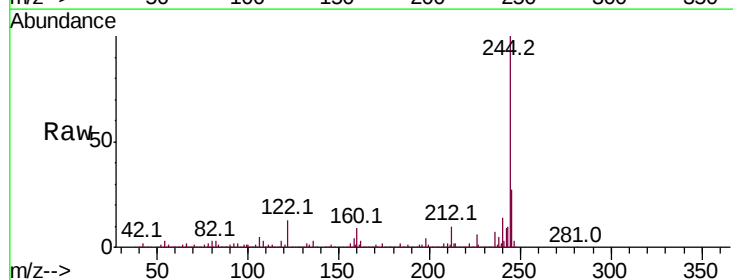
Tgt Ion:244 Resp: 2051966

Ion Ratio Lower Upper

244 100

212 9.6 7.4 11.2

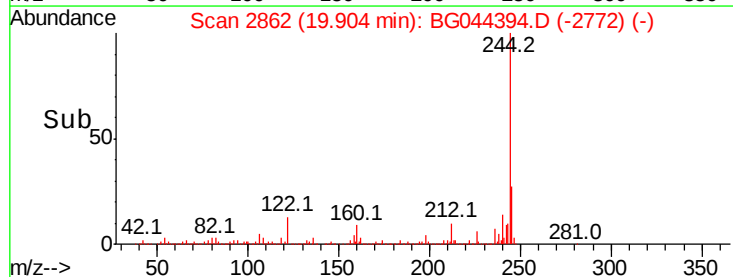
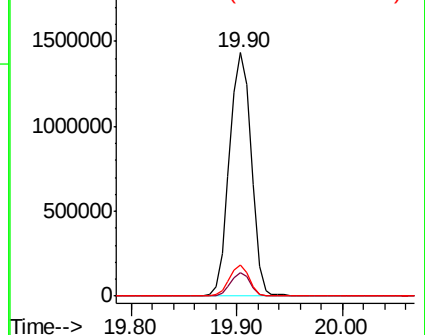
122 13.0 9.8 14.6

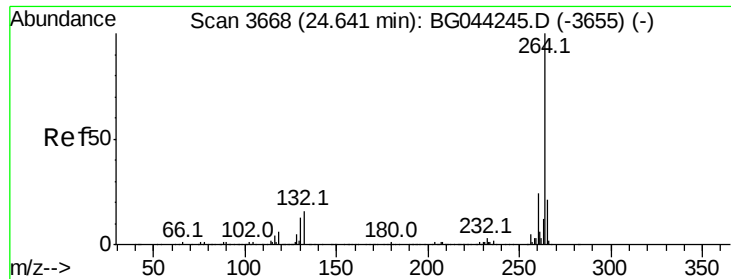


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.01 min
Lab File: BG044394.D
Acq: 11 Feb 2020 18:34

Instrument :
BNA_G
ClientSampleId :
PB126699TB

Tot Ion:264 Resp: 456760

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.7	16.7	25.1

