

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046496.D
 Acq On : 1 Sep 2020 22:50
 Operator : CG/JU
 Sample : L3850-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 228

Quant Time: Sep 02 00:29:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	65025	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	254247	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	184892	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	454293	20.00	ng	0.00
76) Chrysene-d12	21.55	240	534882	20.00	ng	-0.01
86) Perylene-d12	24.65	264	554144	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	383942	104.58	ng	0.00
7) Phenol-d6	7.10	99	463638	89.09	ng	0.00
23) Nitrobenzene-d5	9.09	82	372741	83.79	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	300036	119.77	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	955275	78.87	ng	0.00
79) Terphenyl-d14	19.92	244	1857869	73.92	ng	0.00

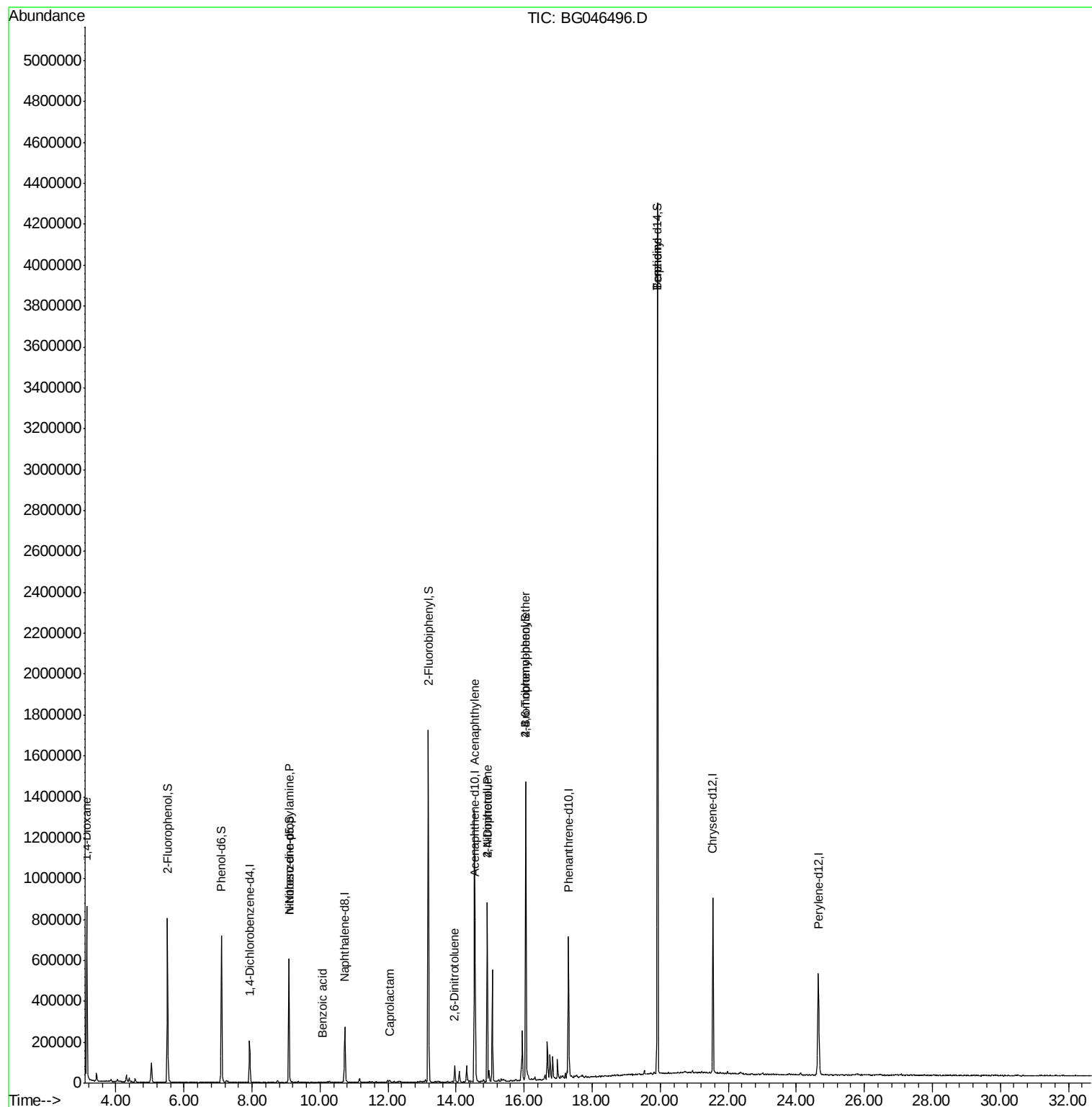
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	7582	4.964	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	48367	15.537	ng	# 76
32) Benzoic acid	10.06	122	63	4.501	ng	# 1
35) Caprolactam	12.05	113	3465	2.180	ng	# 1
49) Acenaphthylene	14.54	152	99327	6.004	ng	# 87
51) 2,6-Dinitrotoluene	13.96	165	10251	3.251	ng	# 57
56) 4-Nitrophenol	14.91	139	7140	2.840	ng	# 1
57) 2,4-Dinitrotoluene	14.91	165	115852	25.768	ng	# 45
67) 4-Bromophenyl-phenylether	16.05	248	23510	4.436	ng	# 1
77) Benzidine	19.92	184	30051	2.418	ng	# 91

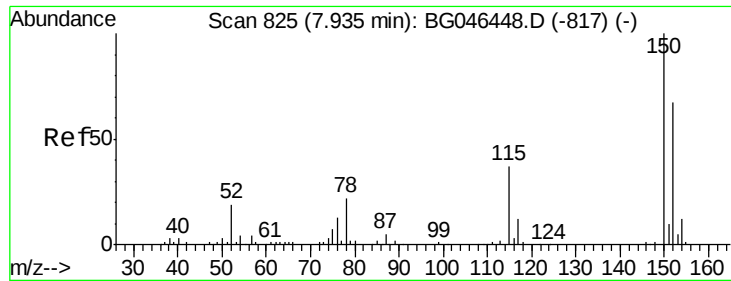
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
Data File : BG046496.D
Acq On : 1 Sep 2020 22:50
Operator : CG/JU
Sample : L3850-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
228

Quant Time: Sep 02 00:29:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 31 16:05:33 2020
Response via : Initial Calibration



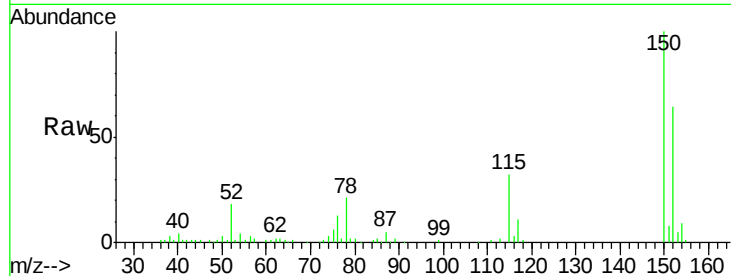


#1

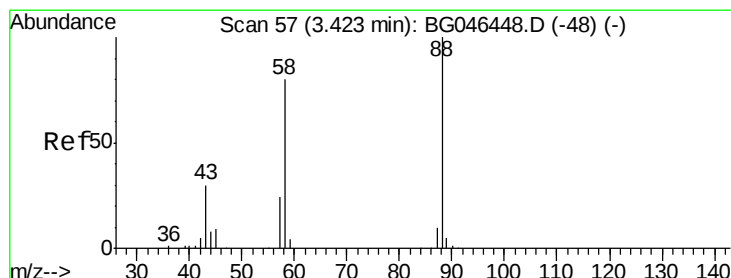
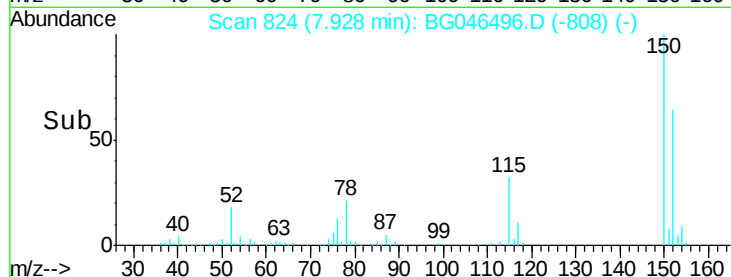
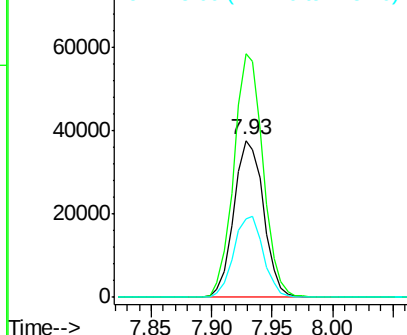
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

Instrument :
BNA_G
ClientSampleId :
228

Tot Ion:152 Resp: 65025
Ion Ratio Lower Upper
152 100
150 155.2 119.5 179.3
115 50.3 44.3 66.5



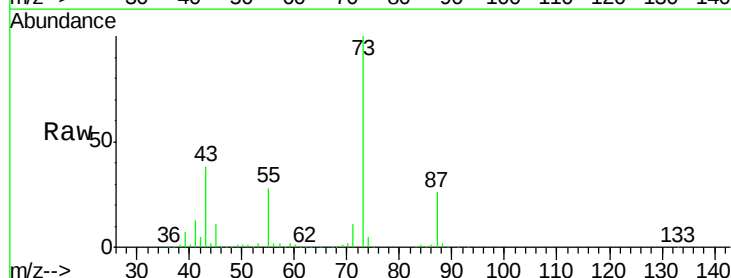
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



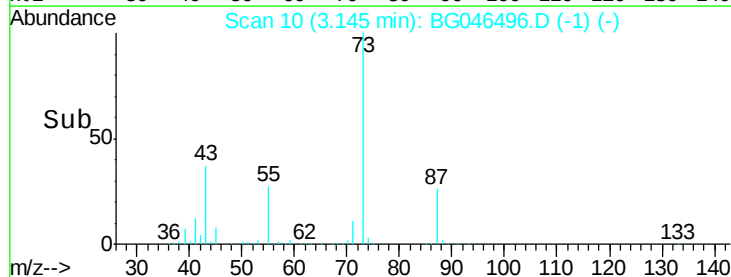
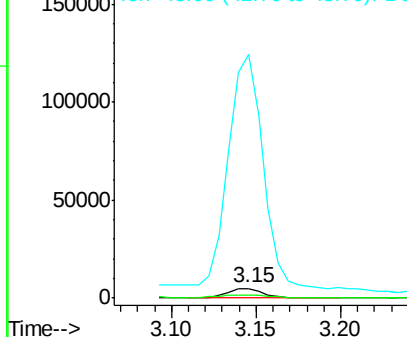
#2

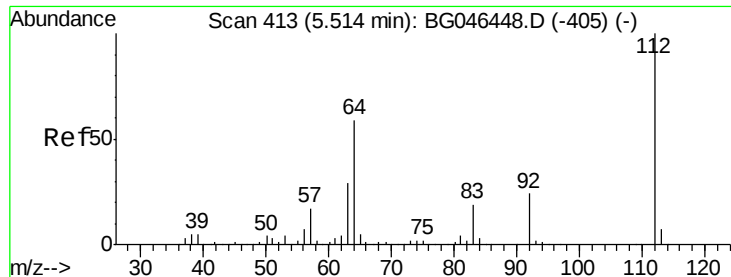
1,4-Dioxane
Concen: 4.964 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

Tgt Ion: 88 Resp: 7582
Ion Ratio Lower Upper
88 100
58 29.6 61.4 92.2#
43 2395.7 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

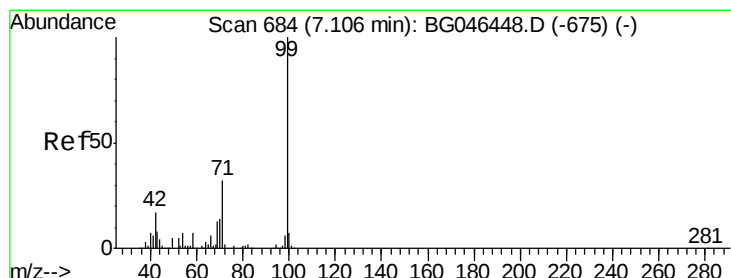
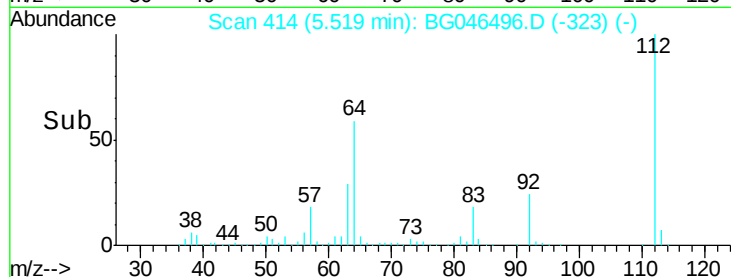
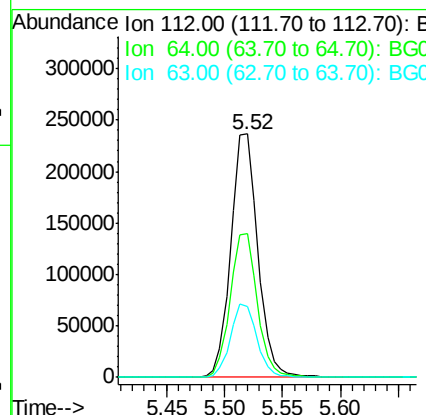
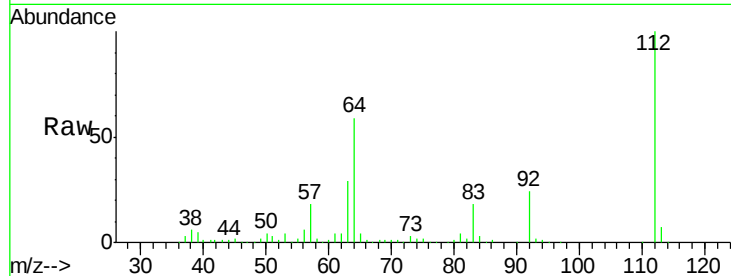




#5
 2-Fluorophenol
 Concen: 104.580 ng
 RT: 5.52 min Scan# 414
 Delta R.T. 0.01 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

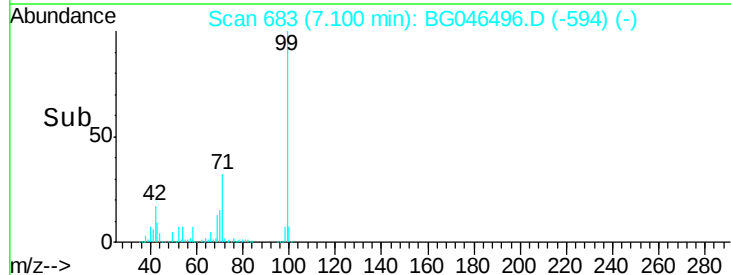
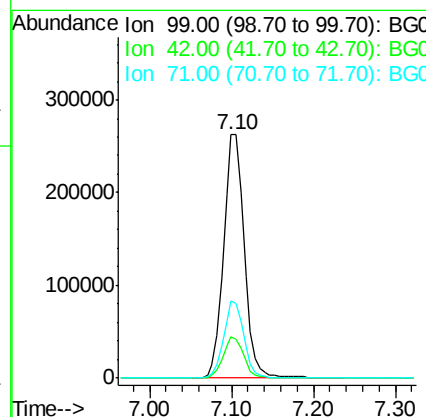
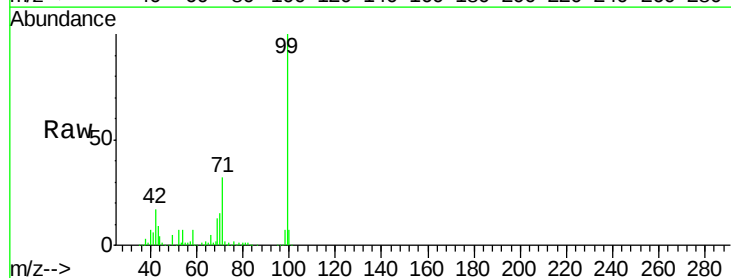
Instrument :
 BNA_G
 ClientSampleId :
 228

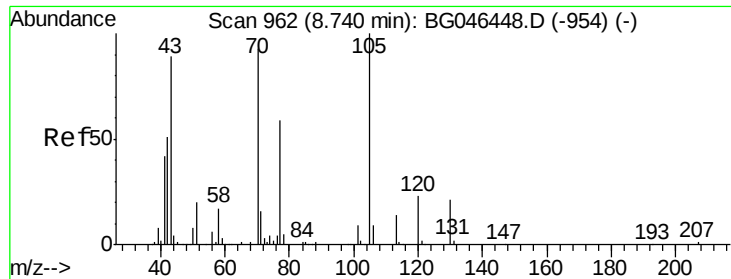
Tot Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.6
63	28.9	23.5	35.3



#7
 Phenol-d6
 Concen: 89.086 ng
 RT: 7.10 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.3	19.9
71	31.5	25.3	37.9

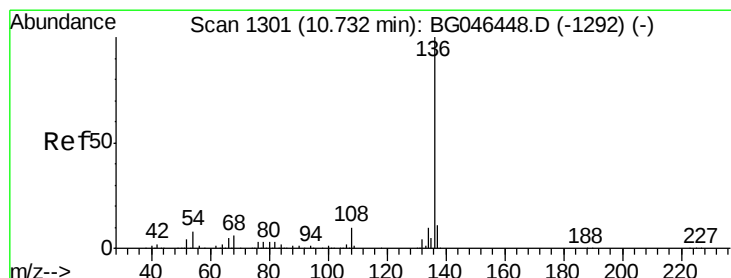
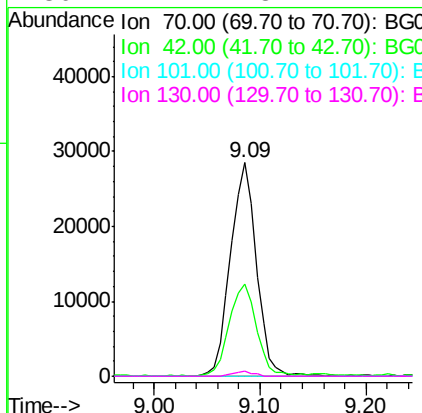
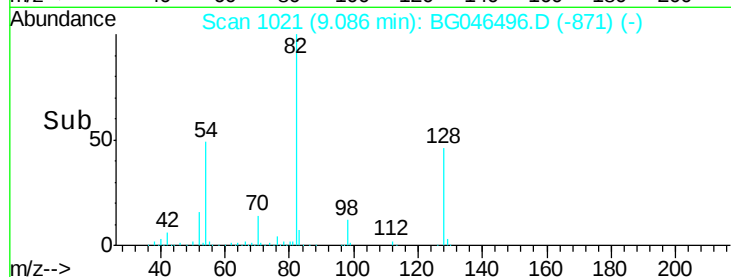
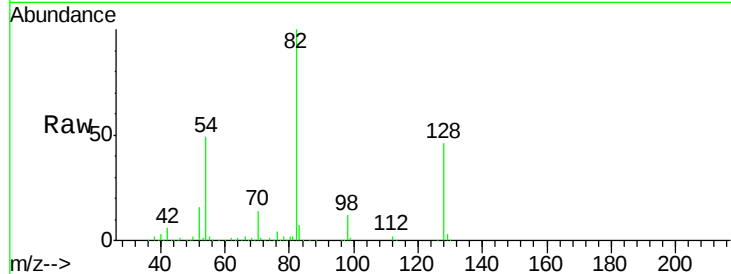




#19
n-Nitroso-di-n-propylamine
Concen: 15.537 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.35 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

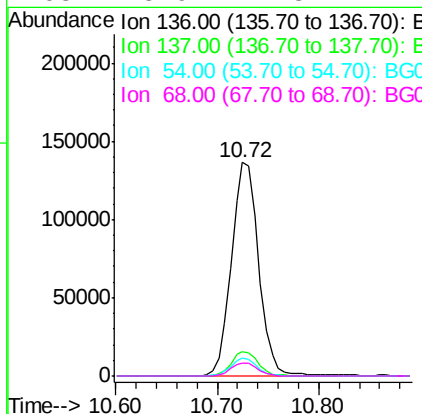
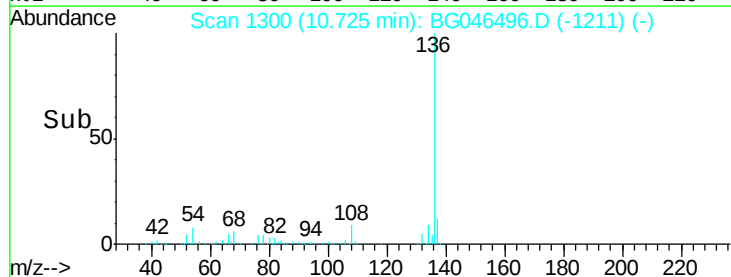
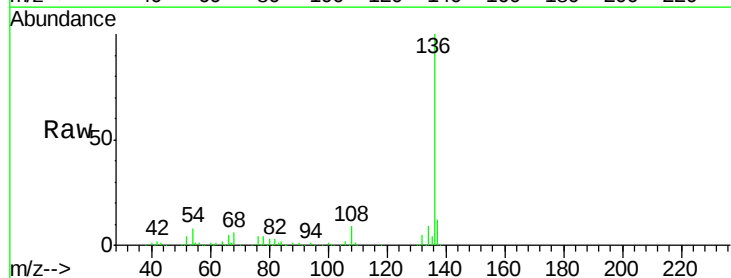
Instrument :
BNA_G
ClientSampleId :
228

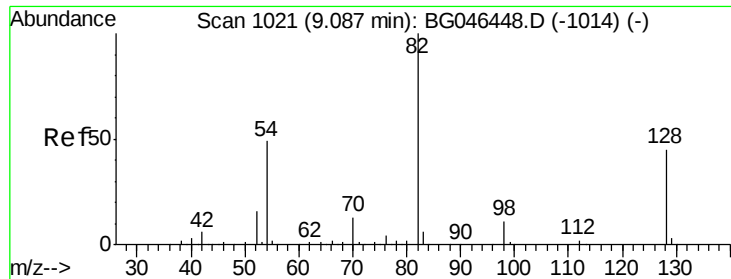
Tot Ion: 70 Resp: 48367
Ion Ratio Lower Upper
70 100
42 43.1 44.2 66.2#
101 0.0 7.8 11.8#
130 2.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

Tgt Ion:136 Resp: 254247
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 8.3 6.1 9.1
68 5.9 4.8 7.2

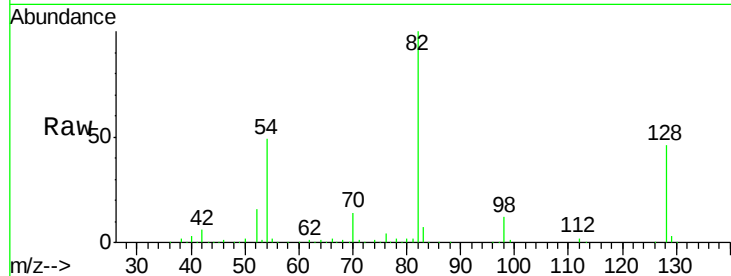




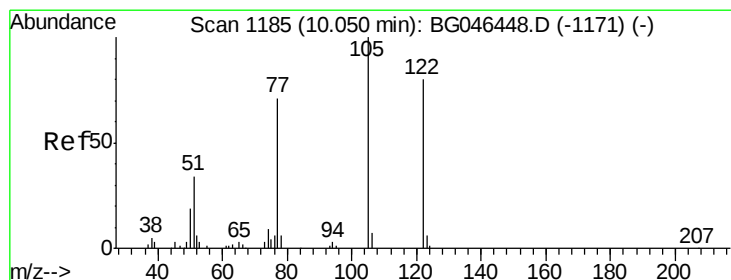
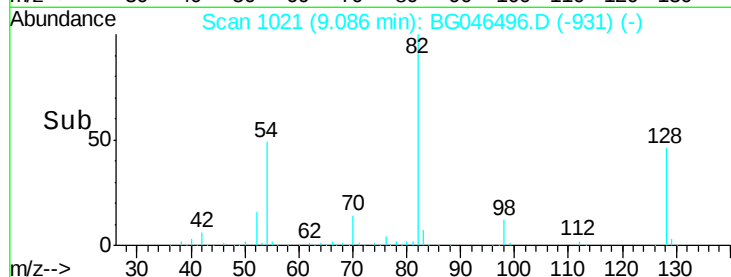
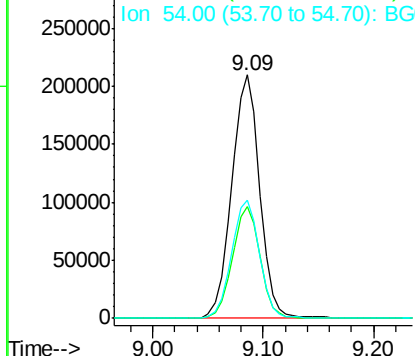
#23
 Nitrobenzene-d5
 Concen: 83.793 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

Instrument :
 BNA_G
 ClientSampleId :
 228

Tot Ion: 82 Resp: 372741
 Ion Ratio Lower Upper
 82 100
 128 46.0 35.7 53.5
 54 48.5 39.4 59.0

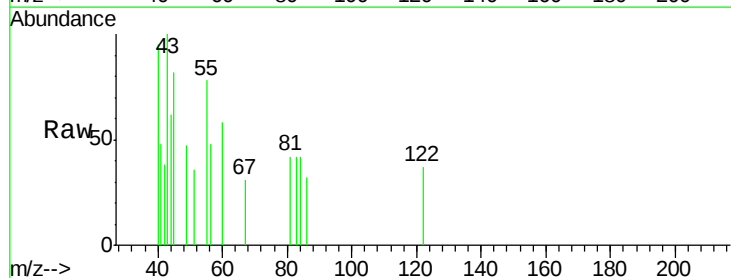


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

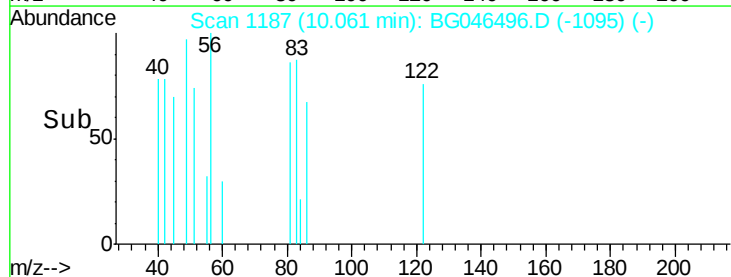
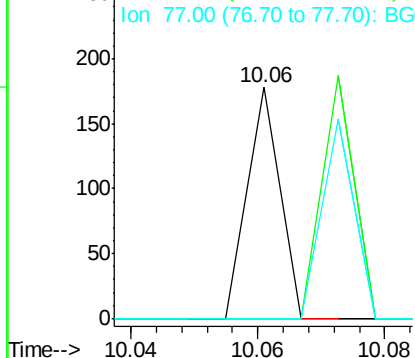


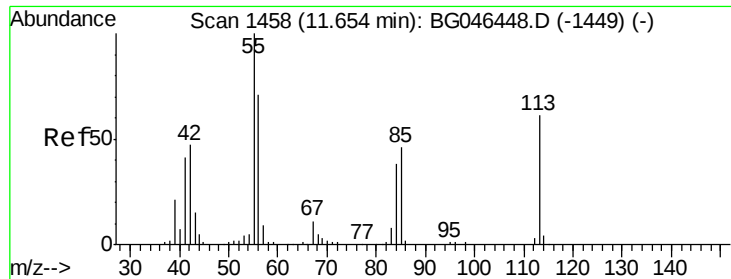
#32
 Benzoic acid
 Concen: 4.501 ng
 RT: 10.06 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

Tgt Ion: 122 Resp: 63
 Ion Ratio Lower Upper
 122 100
 105 0.0 102.5 142.5#
 77 0.0 68.2 108.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#35

Caprolactam

Concen: 2.180 ng

RT: 12.05 min Scan# 1525

Delta R.T. 0.40 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA_G

ClientSampleId :

228

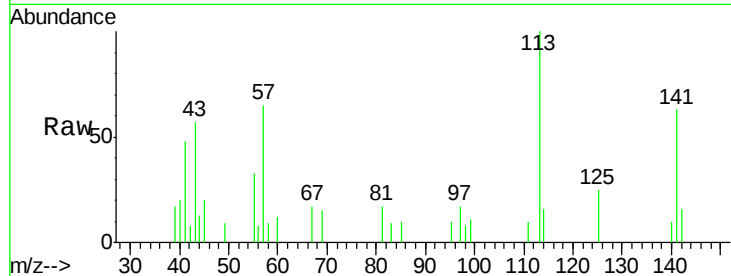
Tot Ion:113 Resp: 3465

Ion Ratio Lower Upper

113 100

55 32.8 144.2 184.2#

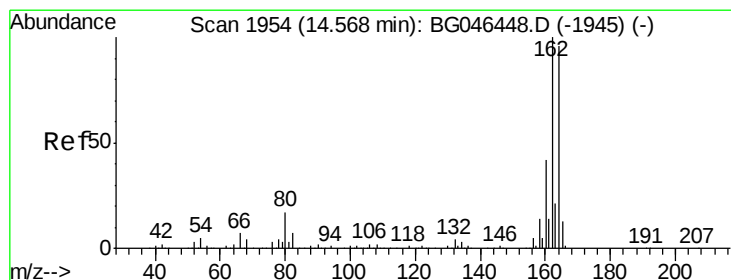
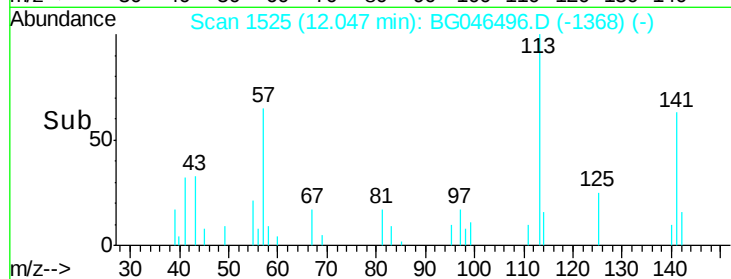
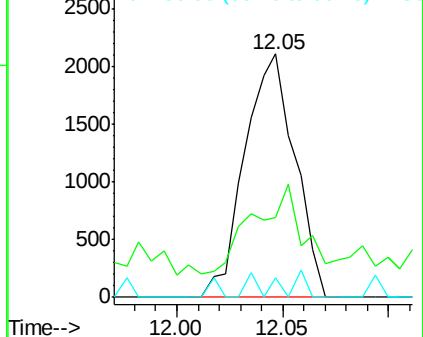
56 8.2 97.0 137.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

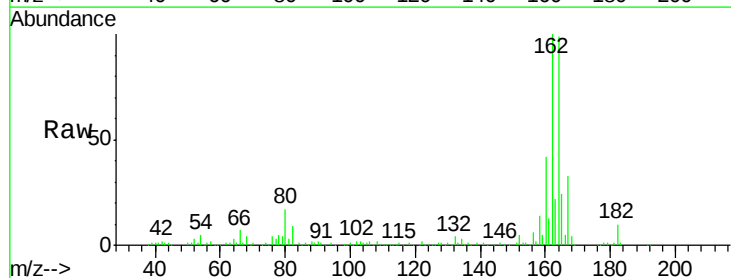
Tgt Ion:164 Resp: 184892

Ion Ratio Lower Upper

164 100

162 100.9 83.3 124.9

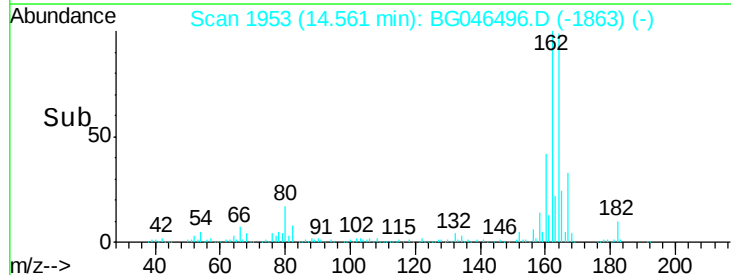
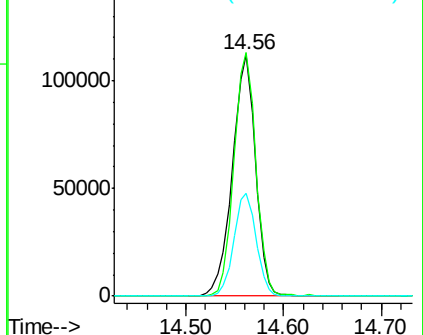
160 42.7 35.0 52.6

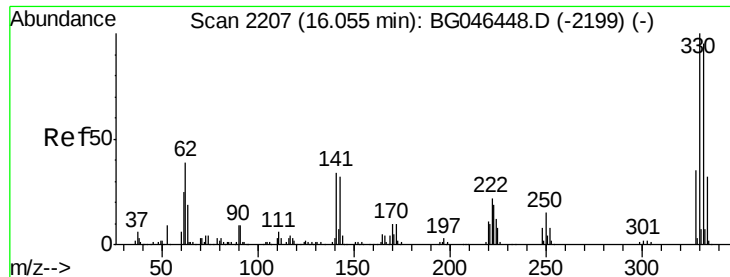


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

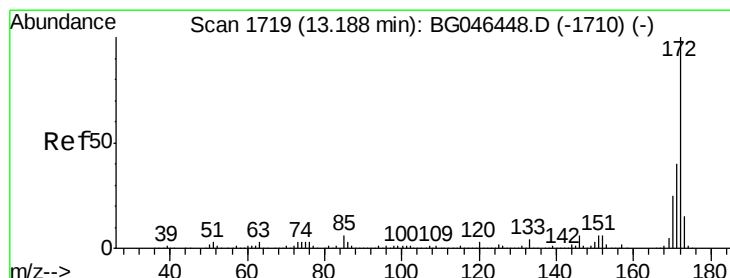
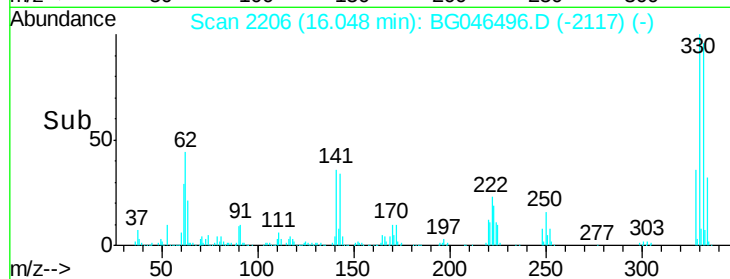
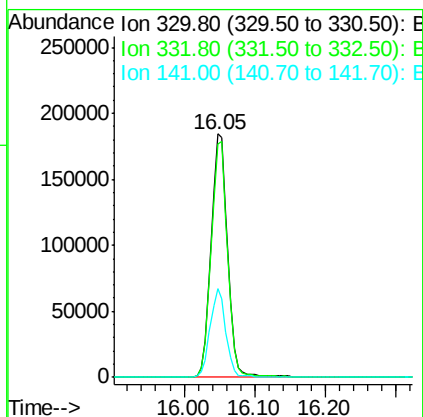
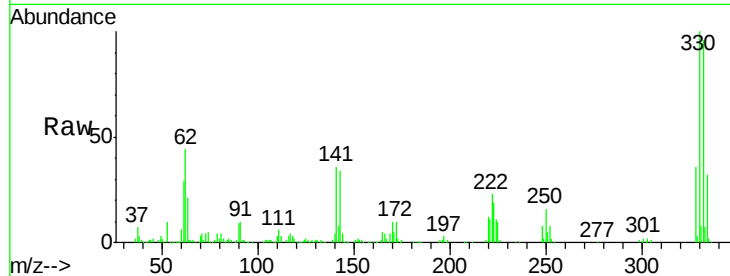




#42
 2,4,6-Tribromophenol
 Concen: 119.767 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

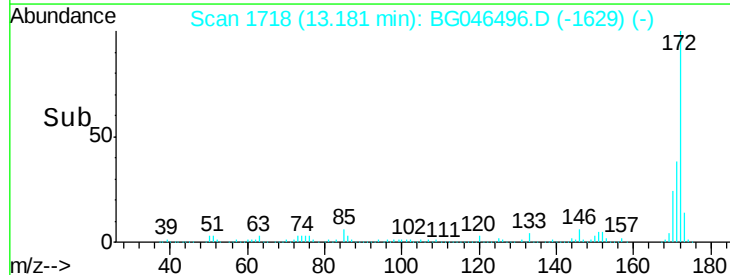
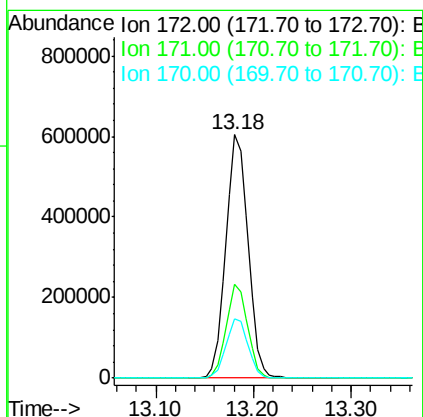
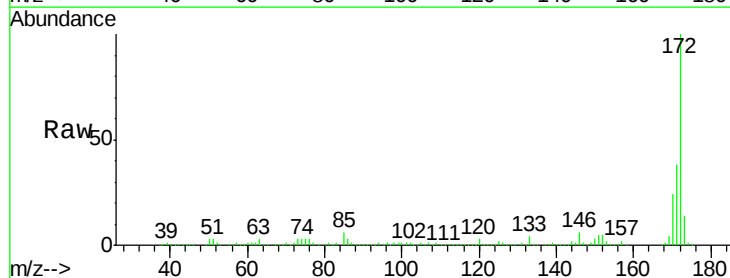
Instrument :
 BNA_G
 ClientSampleId :
 228

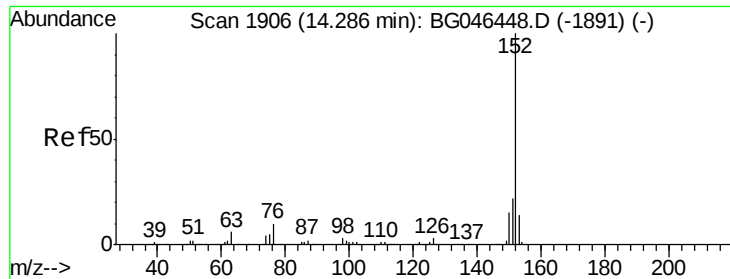
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	34.6	26.1	39.1



#45
 2-Fluorobiphenyl
 Concen: 78.872 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046496.D
 Acq: 1 Sep 2020 22:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.8	47.6
170	24.3	20.3	30.5





#49

Acenaphthylene

Concen: 6.004 ng

RT: 14.54 min Scan# 1950

Delta R.T. 0.26 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA_G

ClientSampleId :

228

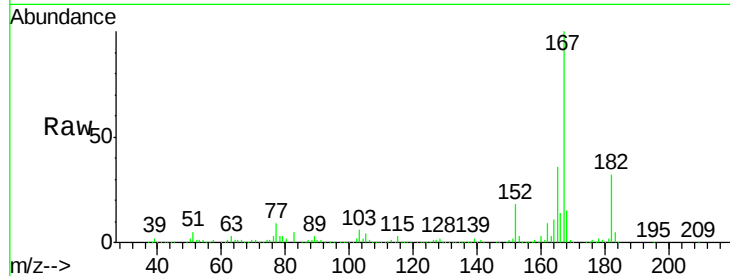
Tot Ion:152 Resp: 99327

Ion Ratio Lower Upper

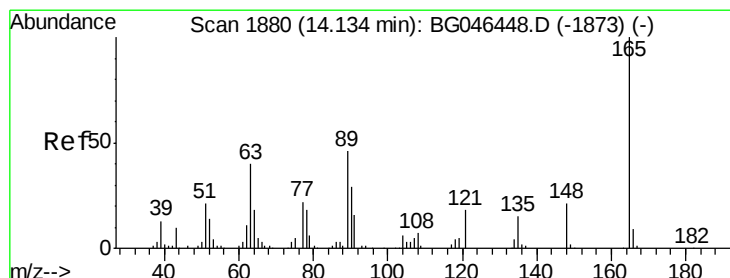
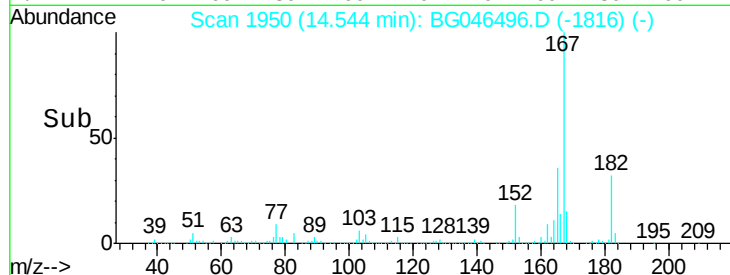
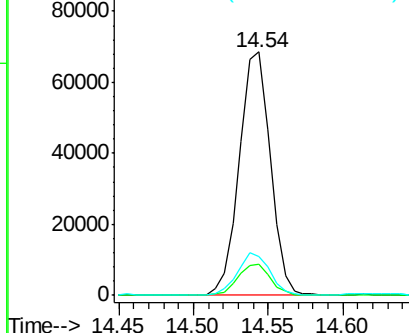
152 100

151 13.0 17.7 26.5#

153 16.0 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 3.251 ng

RT: 13.96 min Scan# 1850

Delta R.T. -0.17 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

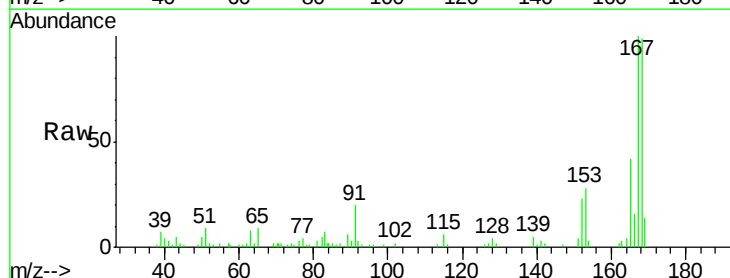
Tgt Ion:165 Resp: 10251

Ion Ratio Lower Upper

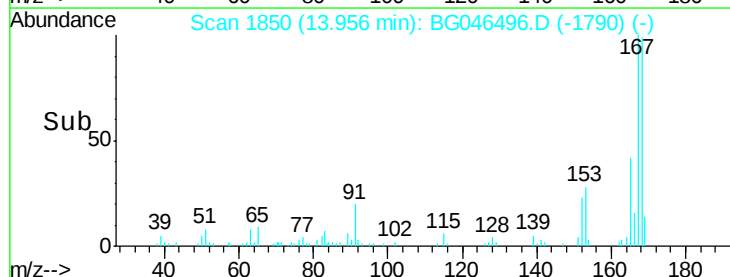
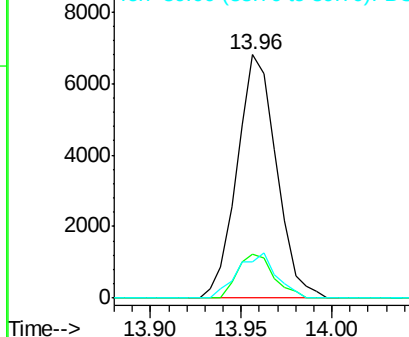
165 100

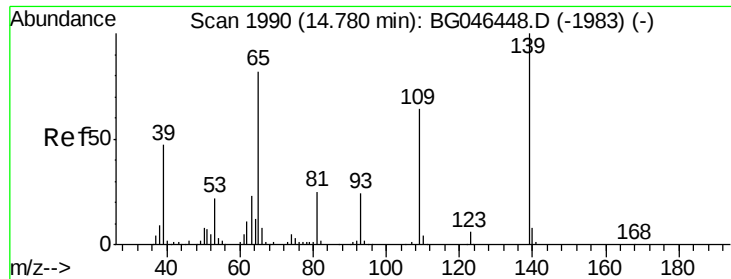
63 18.0 34.2 51.4#

89 14.7 37.0 55.4#



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





#56

4-Nitrophenol

Concen: 2.840 ng

RT: 14.91 min Scan# 2013

Delta R.T. 0.14 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA_G

ClientSampleId :

228

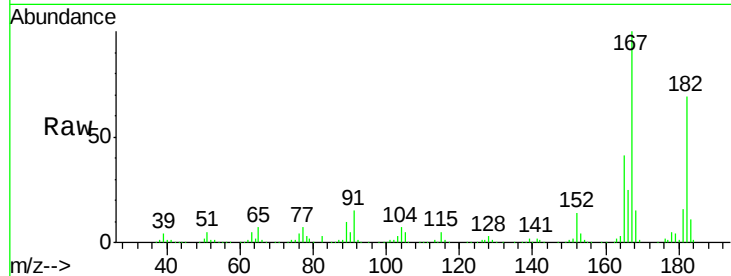
Tot Ion:139 Resp: 7140

Ion Ratio Lower Upper

139 100

109 4.8 44.3 84.3#

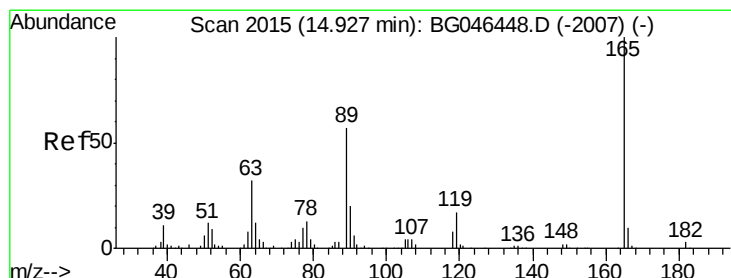
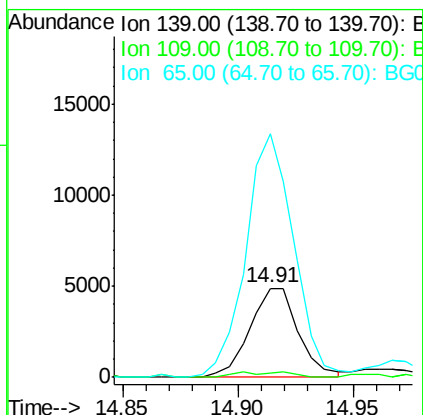
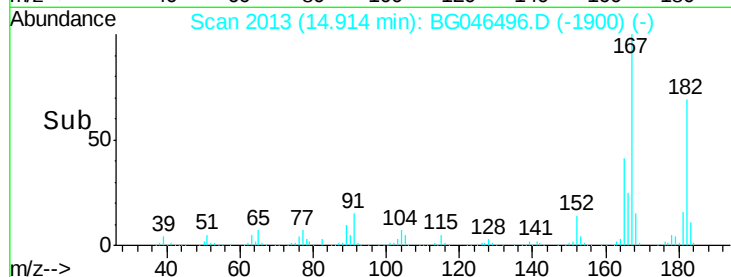
65 273.2 61.5 101.5#



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): BGC



#57

2,4-Dinitrotoluene

Concen: 25.768 ng

RT: 14.91 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Tgt Ion:165 Resp: 115852

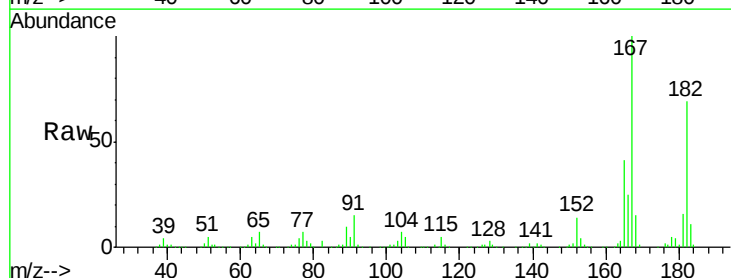
Ion Ratio Lower Upper

165 100

63 12.4 25.4 38.0#

89 24.4 45.9 68.9#

182 167.5 2.3 3.5#

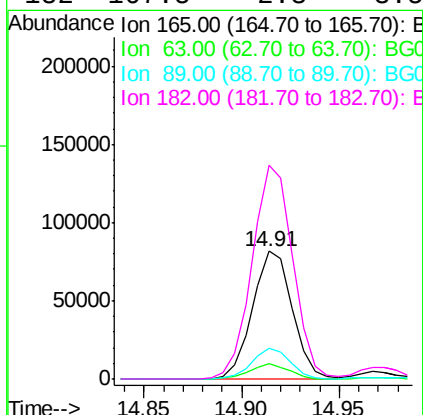
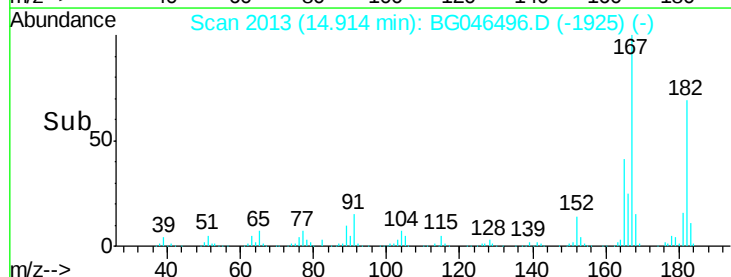


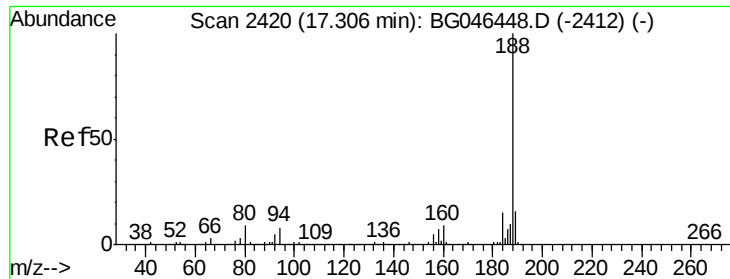
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA_G

ClientSampleId :

228

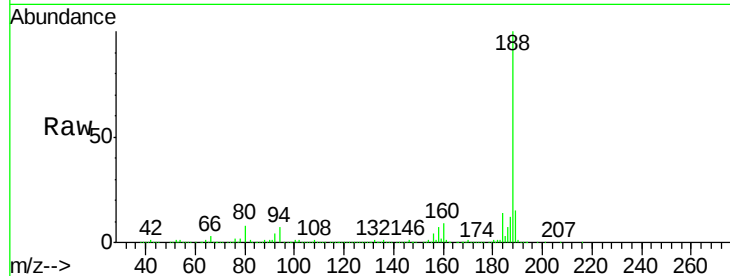
Tot Ion:188 Resp: 454293

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

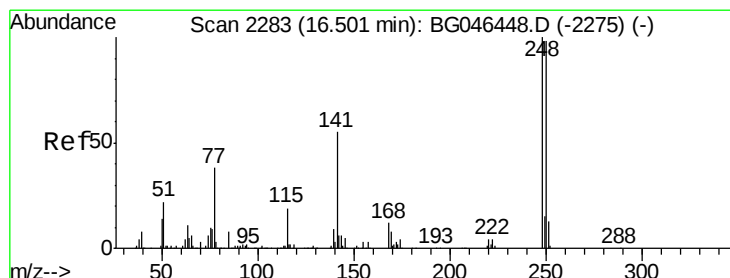
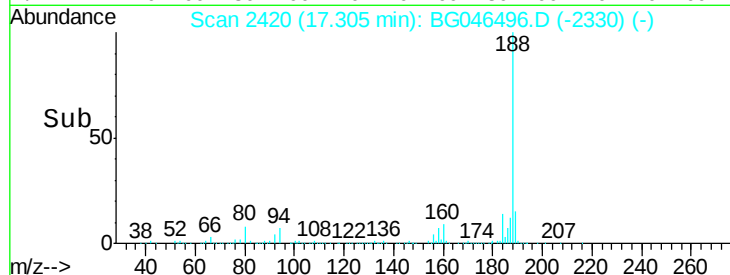
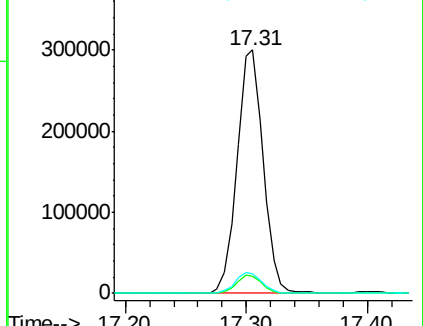
80 8.3 6.9 10.3



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: 4.436 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

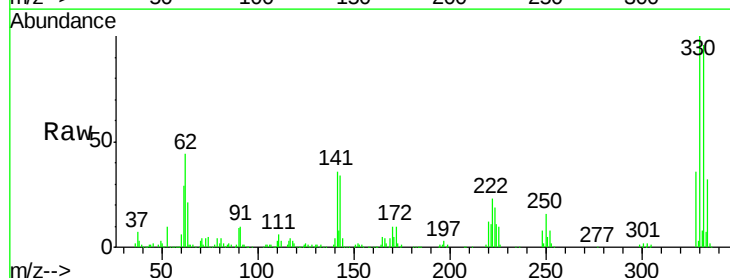
Tgt Ion:248 Resp: 23510

Ion Ratio Lower Upper

248 100

250 195.4 78.6 118.0#

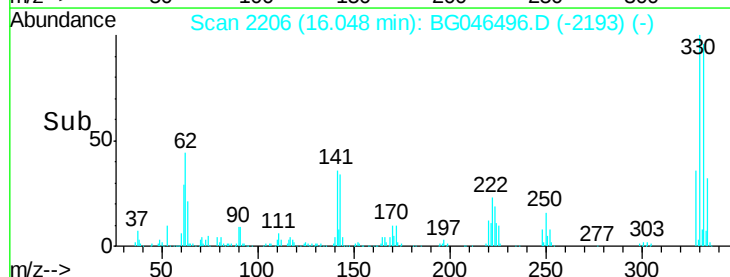
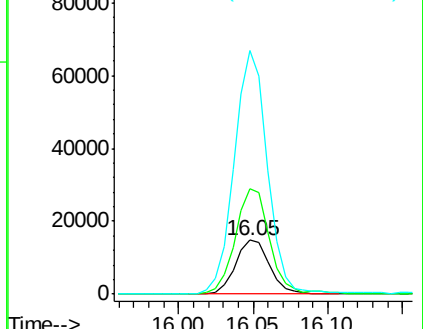
141 452.1 43.9 65.9#

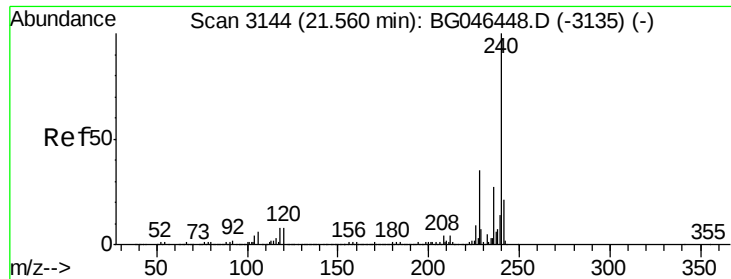


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

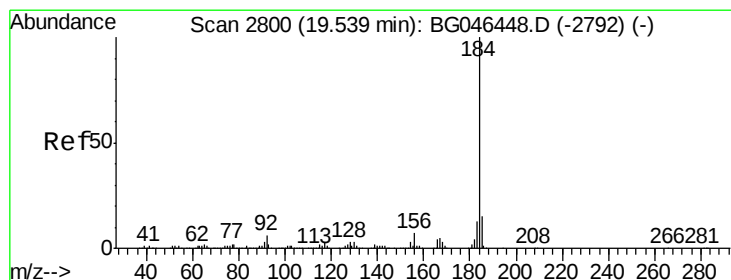
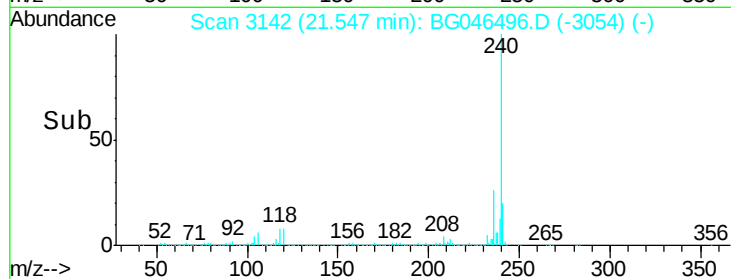
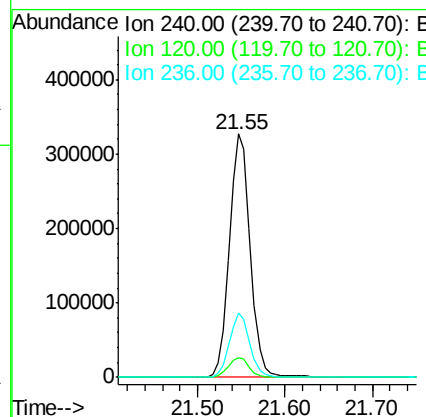
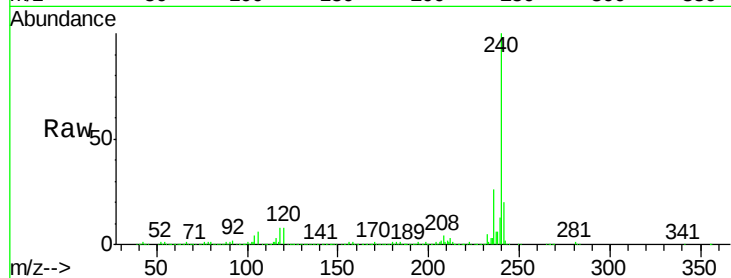




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

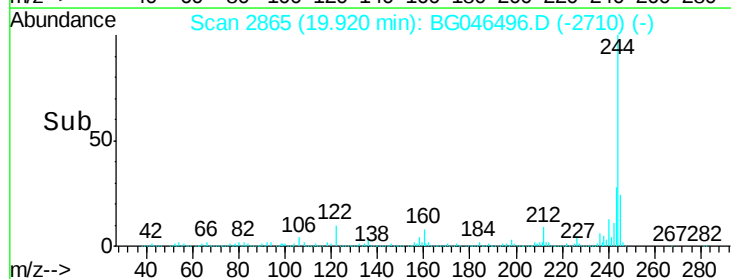
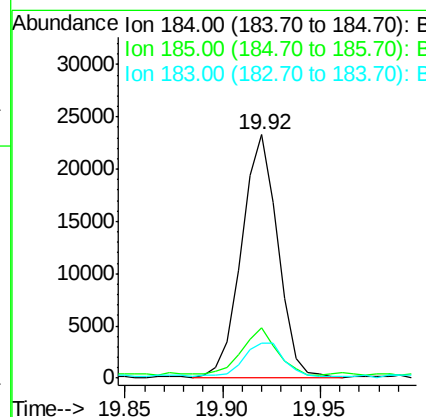
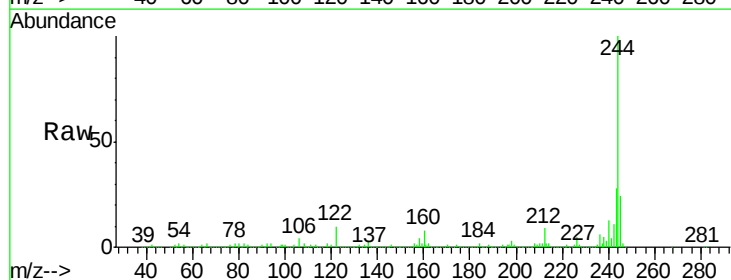
Instrument :
BNA_G
ClientSampleId :
228

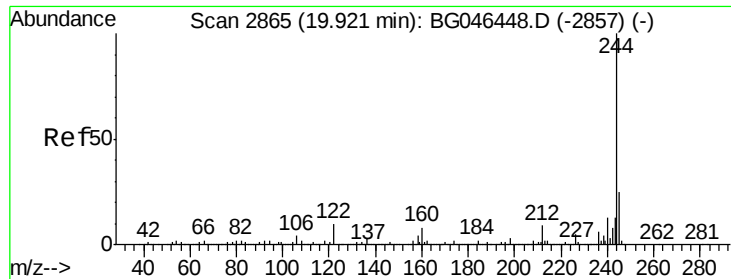
Tot Ion:240 Resp: 534882
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 26.4 21.4 32.2



#77
Benzidine
Concen: 2.418 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.38 min
Lab File: BG046496.D
Acq: 1 Sep 2020 22:50

Tgt Ion:184 Resp: 30051
Ion Ratio Lower Upper
184 100
185 20.9 11.8 17.8#
183 14.4 10.7 16.1





#79

Terphenyl-d14

Concen: 73.921 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA_G

ClientSampleId :

228

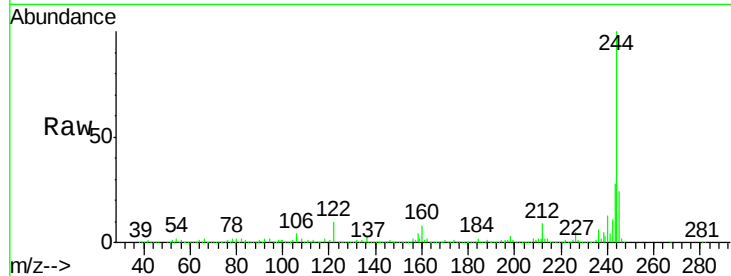
Tot Ion:244 Resp: 1857869

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.9	10.3
122	10.1	8.2	12.4

244 100

212 9.2 6.9 10.3

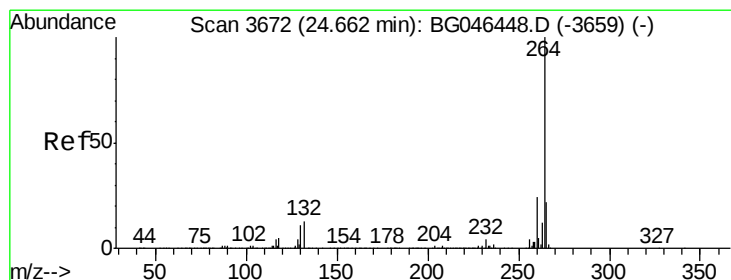
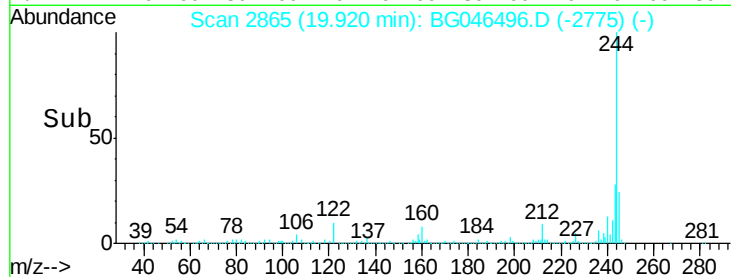
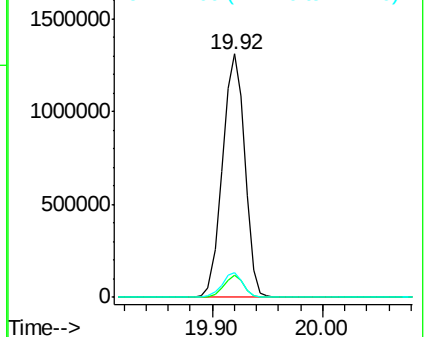
122 10.1 8.2 12.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

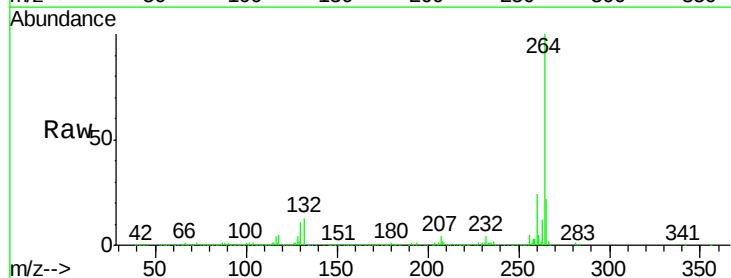
Tgt Ion:264 Resp: 554144

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.9	26.9

264 100

260 24.0 19.2 28.8

265 21.6 17.9 26.9



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

