

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046281.D
 Acq On : 14 Aug 2020 18:40
 Operator : CG/JU
 Sample : L3501-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-081220

Quant Time: Aug 17 00:45:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

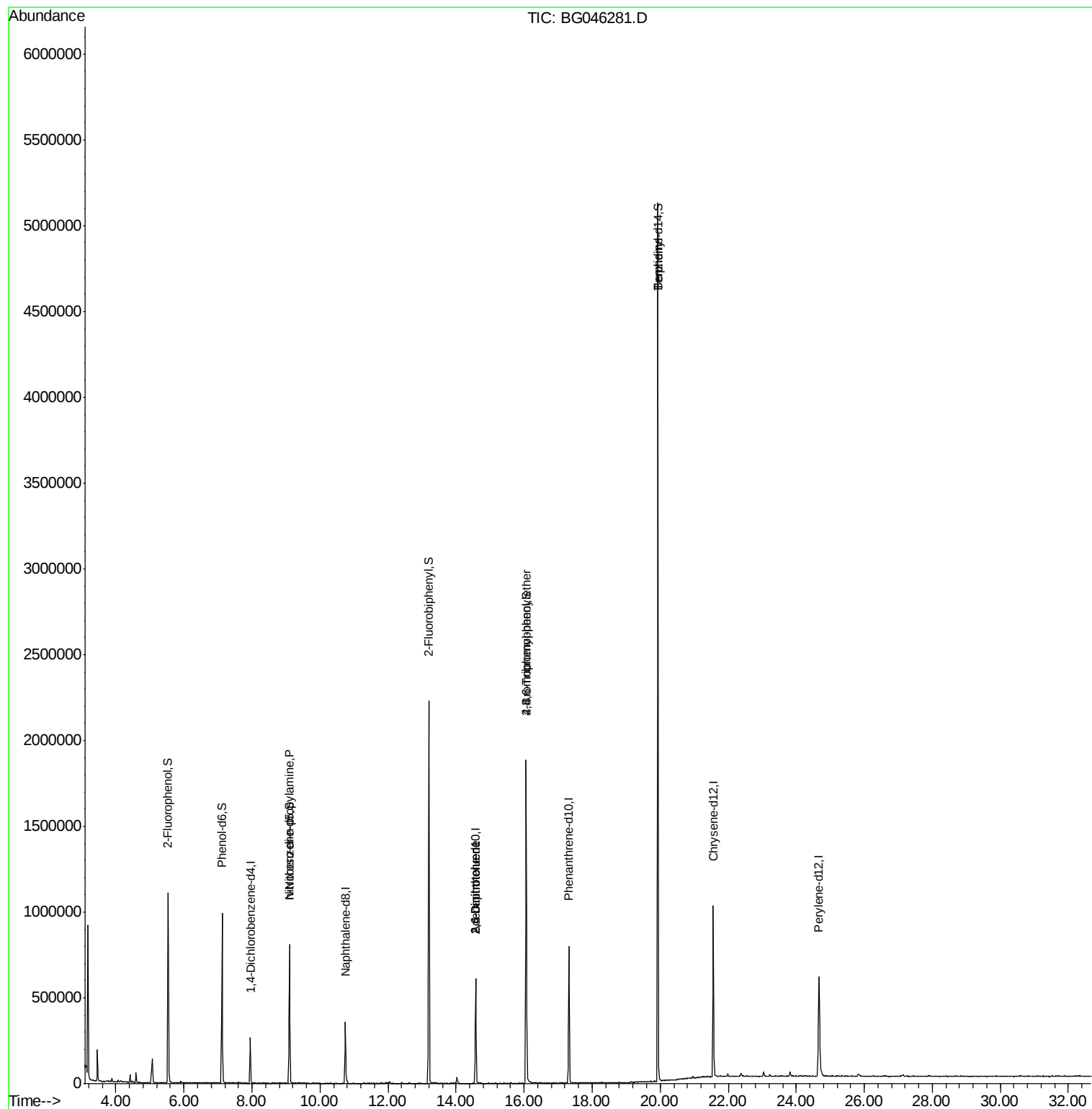
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	82121	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	329009	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	218230	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	538153	20.00	ng	0.00
76) Chrysene-d12	21.56	240	625218	20.00	ng	-0.01
86) Perylene-d12	24.67	264	628547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	519279	109.92	ng	0.00
7) Phenol-d6	7.12	99	605824	94.10	ng	0.00
23) Nitrobenzene-d5	9.10	82	501215	82.48	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	435596	129.95	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1208248	80.43	ng	0.00
79) Terphenyl-d14	19.93	244	2155102	70.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	63789	15.224	ng	# 76
51) 2,6-Dinitrotoluene	14.57	165	28773	7.381	ng	# 28
57) 2,4-Dinitrotoluene	14.57	165	28773	5.368	ng	# 28
67) 4-Bromophenyl-phenylether	16.06	248	26422	3.974	ng	# 1
77) Benzidine	19.93	184	35519	2.006	ng	97

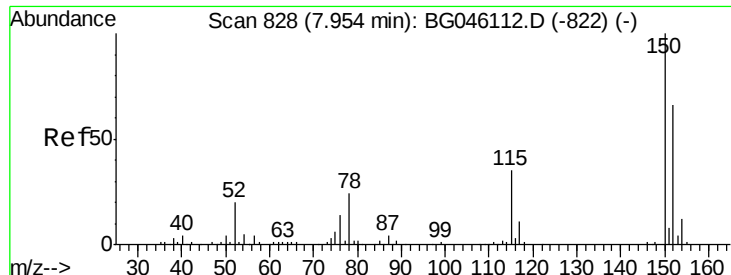
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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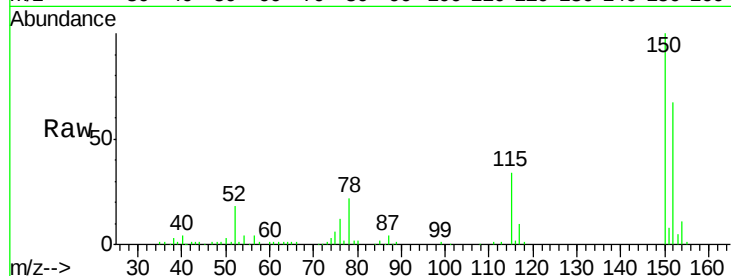


#1

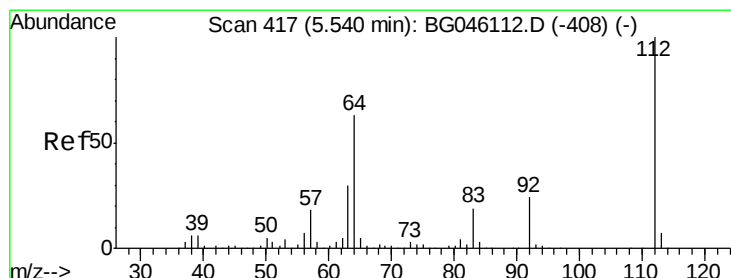
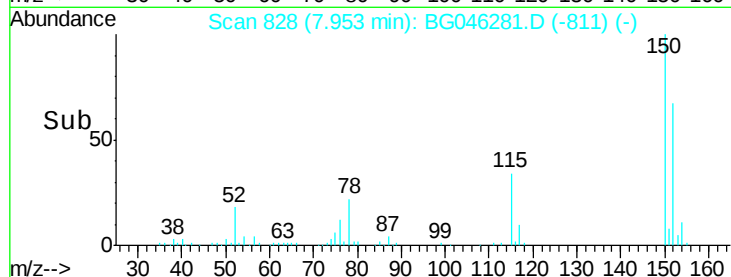
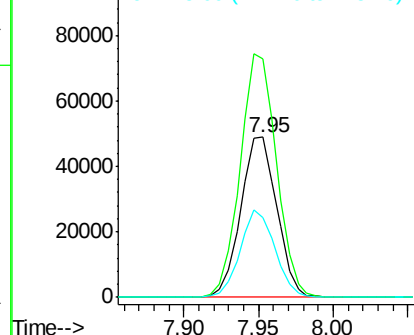
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046281.D
Acq: 14 Aug 2020 18:40

Instrument :
BNA_G
ClientSampleId :
NB-08-081220

Tot Ion:152 Resp: 82121
Ion Ratio Lower Upper
152 100
150 148.9 122.1 183.1
115 50.0 43.2 64.8



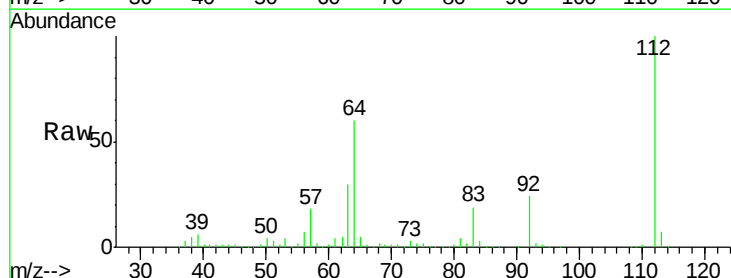
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



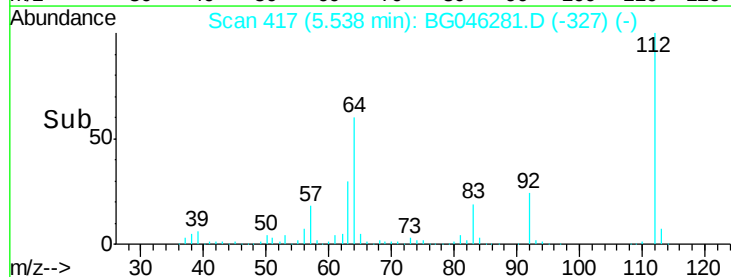
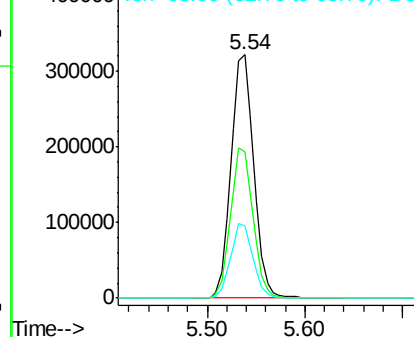
#5

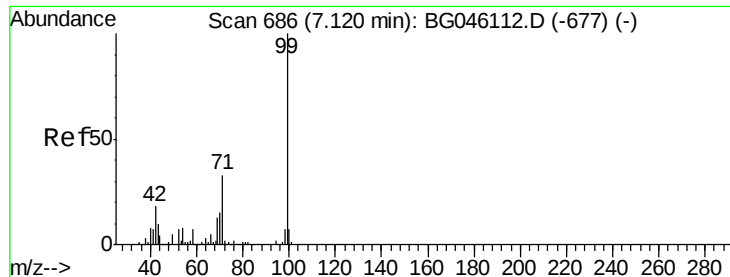
2-Fluorophenol
Concen: 109.923 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046281.D
Acq: 14 Aug 2020 18:40

Tgt Ion:112 Resp: 519279
Ion Ratio Lower Upper
112 100
64 60.3 50.2 75.2
63 29.8 24.2 36.4



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





#7

Phenol-d6

Concen: 94.098 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Instrument :

BNA_G

ClientSampleId :

NB-08-081220

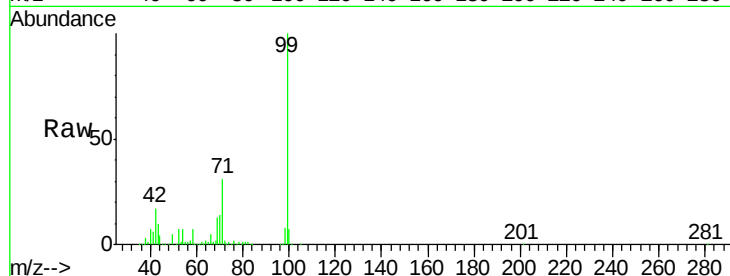
Tot Ion: 99 Resp: 605824

Ion Ratio Lower Upper

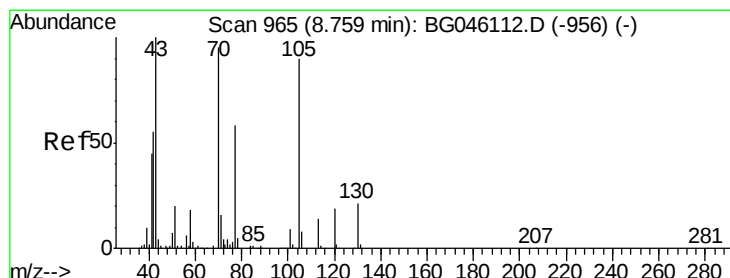
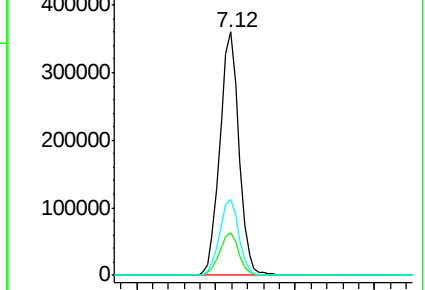
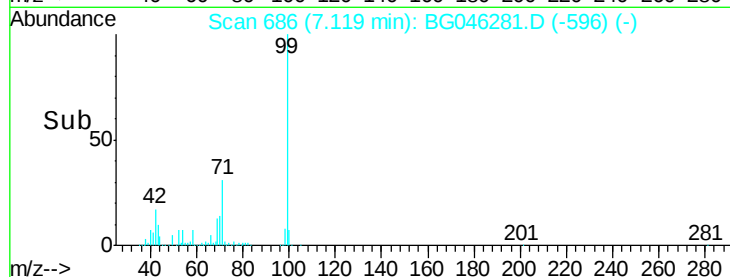
99 100

42 17.4 14.7 22.1

71 31.4 26.5 39.7



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: 15.224 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Tgt Ion: 70 Resp: 63789

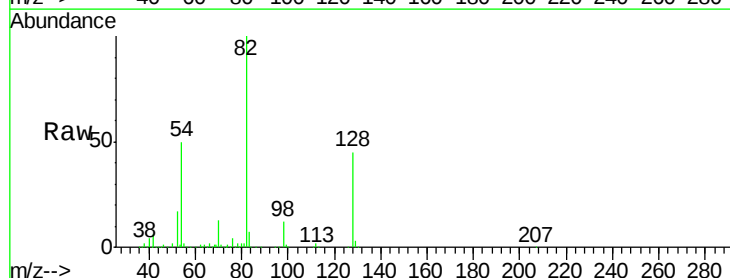
Ion Ratio Lower Upper

70 100

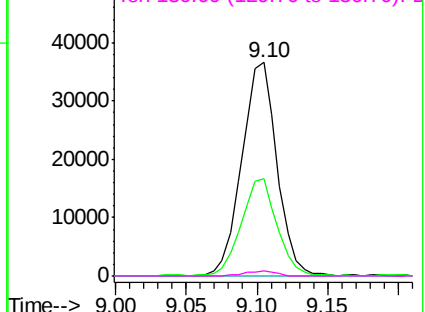
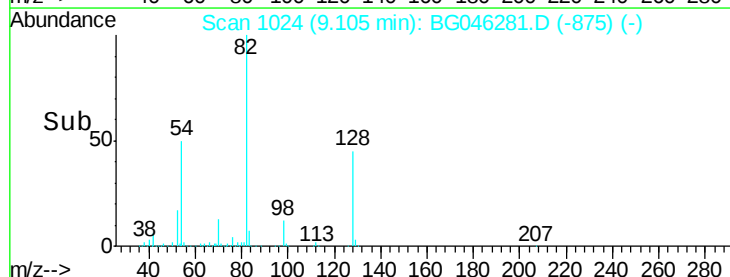
42 45.6 46.5 69.7#

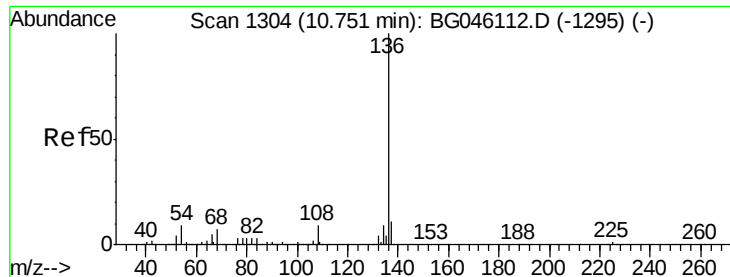
101 0.0 7.6 11.4#

130 2.2 17.3 25.9#



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: 10.74 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Instrument :

BNA_G

ClientSampleId :

NB-08-081220

Tot Ion:136 Resp: 329009

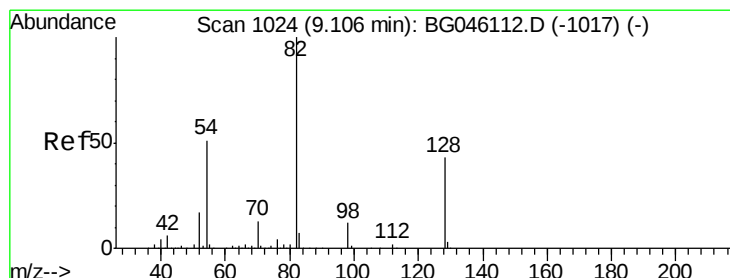
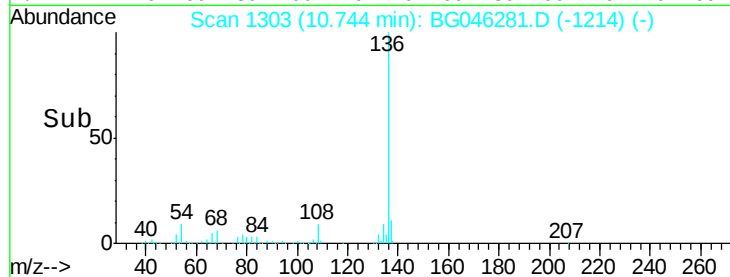
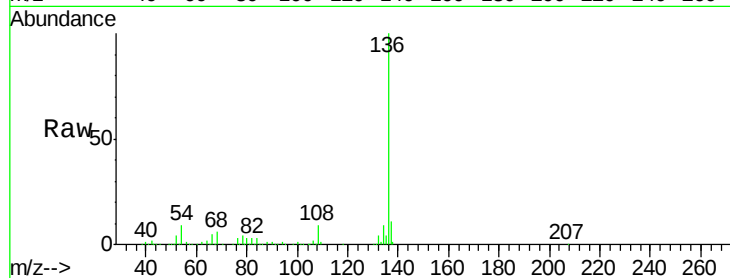
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.9	7.0	10.4
68	5.9	5.3	7.9

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: 82.482 ng

RT: 9.10 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

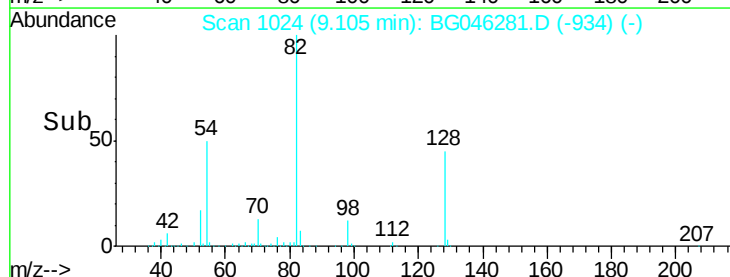
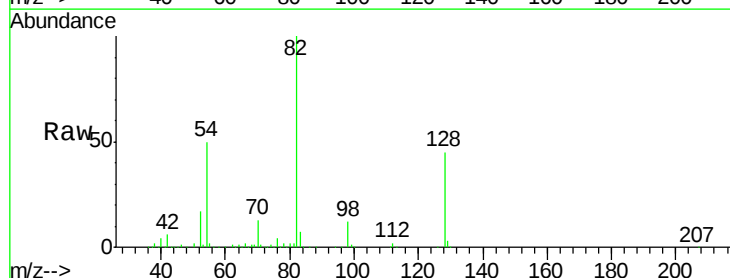
Tgt Ion: 82 Resp: 501215

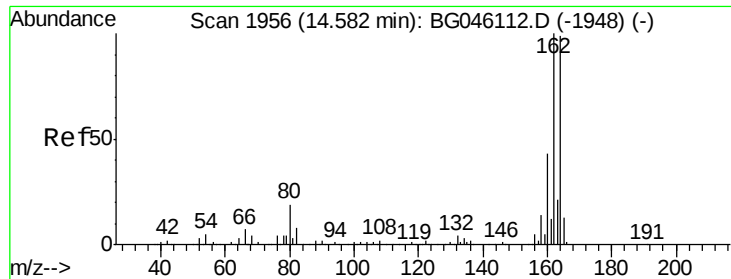
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.4	51.6
54	50.4	40.8	61.2

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: 14.57 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Instrument :

BNA_G

ClientSampleId :

NB-08-081220

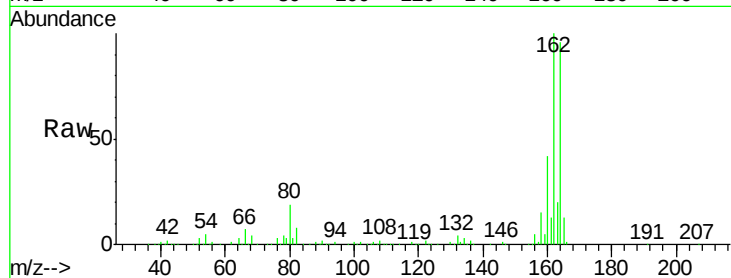
Tot Ion:164 Resp: 218230

Ion Ratio Lower Upper

164 100

162 103.9 80.6 121.0

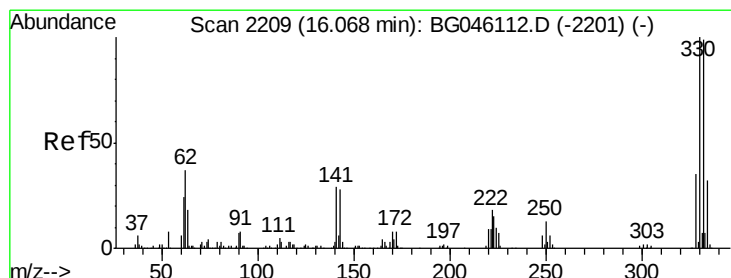
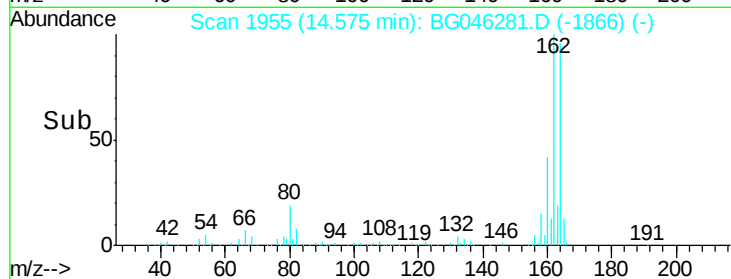
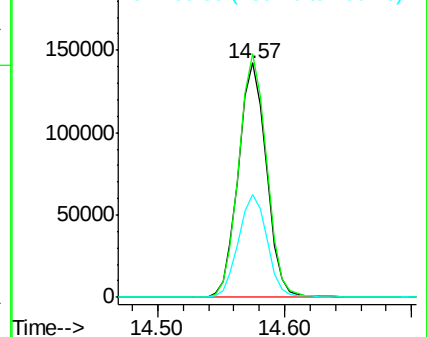
160 44.0 34.9 52.3



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: 129.952 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

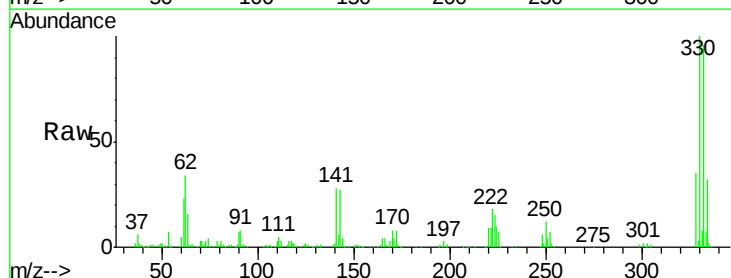
Tgt Ion:330 Resp: 435596

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

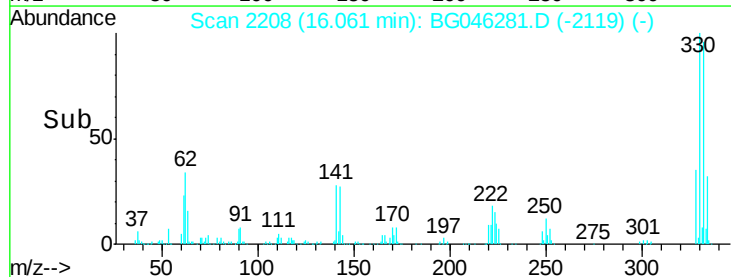
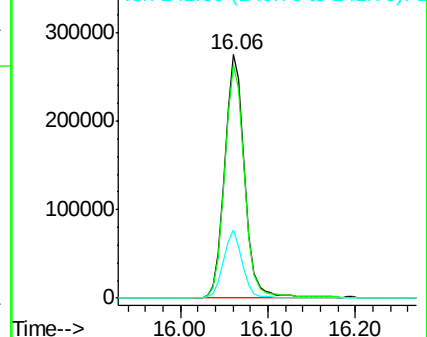
141 26.8 23.4 35.0

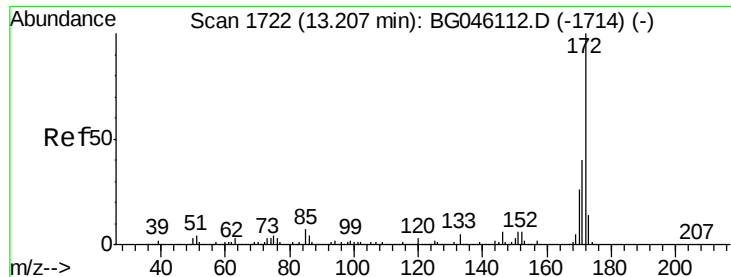


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



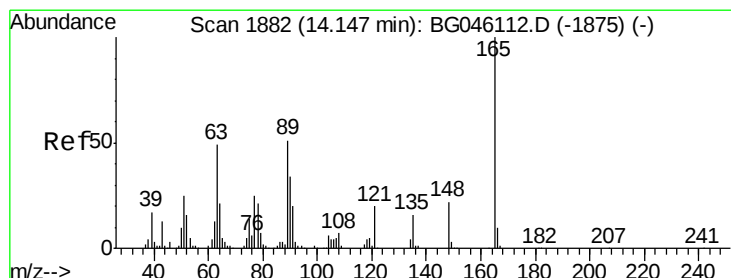
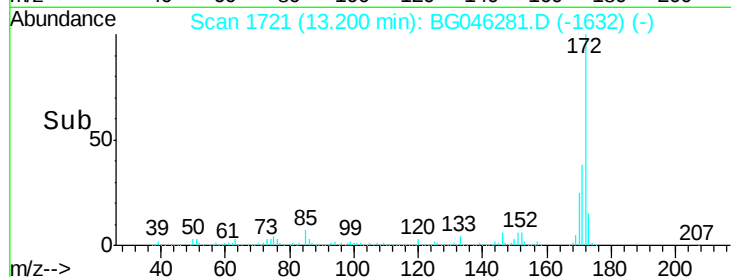
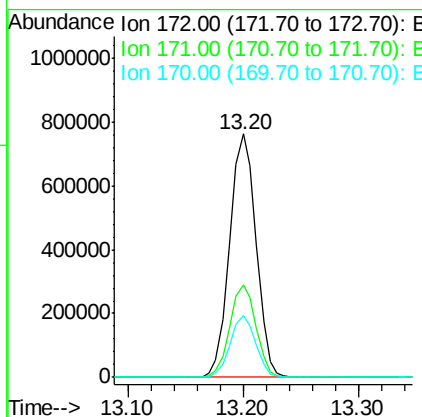
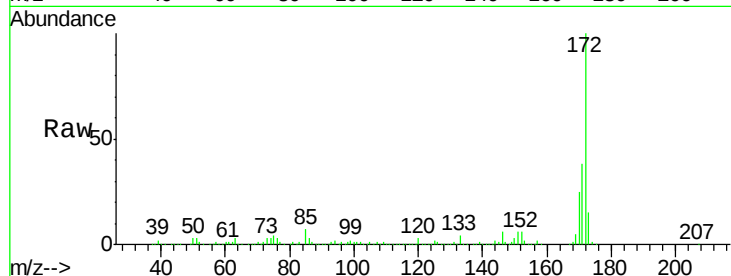


#45
 2-Fluorobiphenyl
 Concen: 80.426 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG046281.D
 Acq: 14 Aug 2020 18:40

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-081220

Tot Ion:172 Resp: 1208248

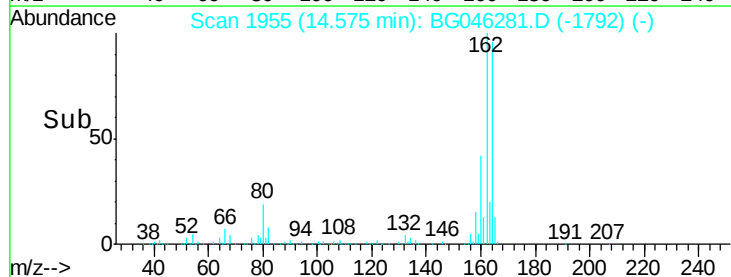
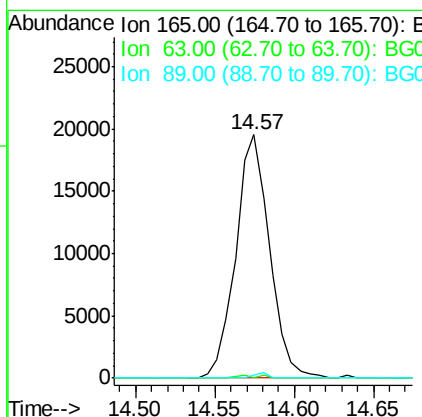
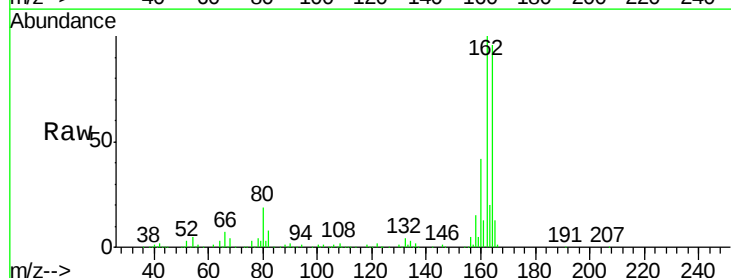
Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.7	47.5
170	25.5	20.9	31.3

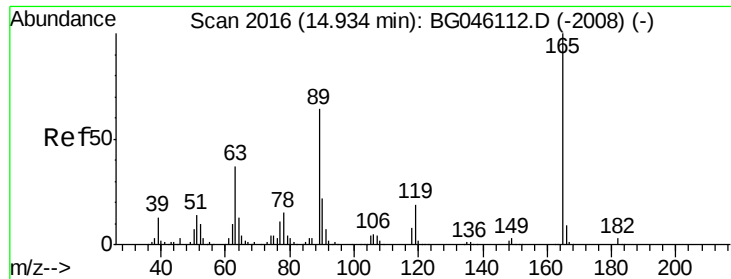


#51
 2,6-Dinitrotoluene
 Concen: 7.381 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. 0.43 min
 Lab File: BG046281.D
 Acq: 14 Aug 2020 18:40

Tgt Ion:165 Resp: 28773

Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.7	59.5#
89	1.2	41.0	61.6#





#57

2,4-Dinitrotoluene

Concen: 5.368 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.36 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Instrument :

BNA_G

ClientSampleId :

NB-08-081220

Tot Ion:165 Resp: 28773

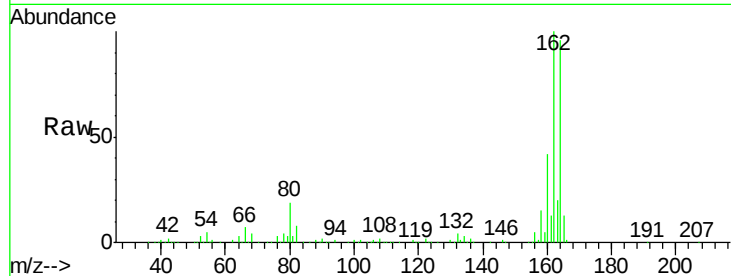
Ion Ratio Lower Upper

165 100

63 0.0 30.1 45.1#

89 1.2 51.4 77.2#

182 0.0 2.3 3.5#

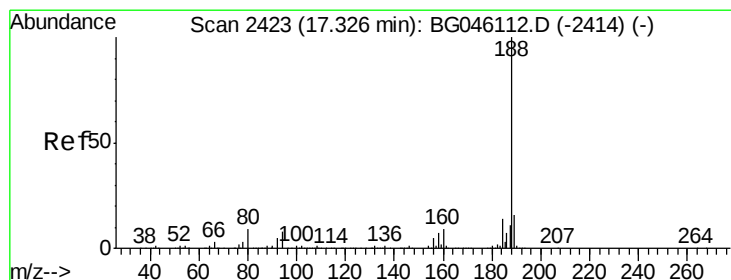
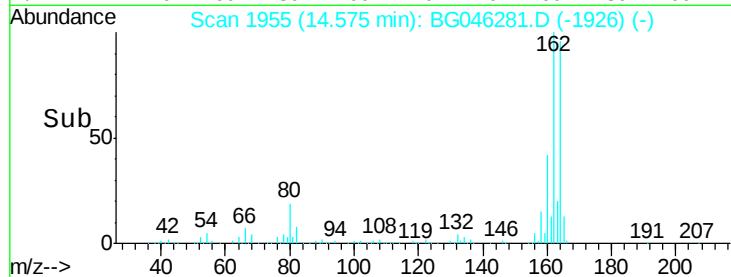
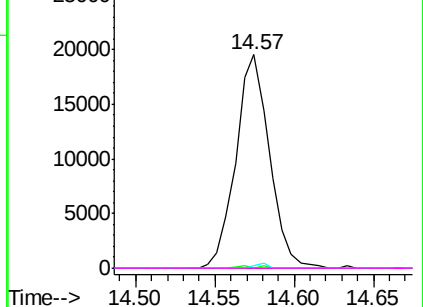


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

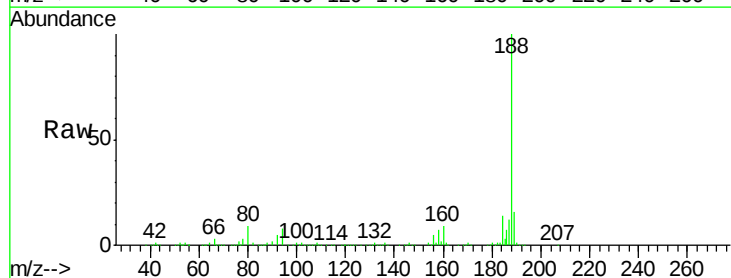
Tgt Ion:188 Resp: 538153

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

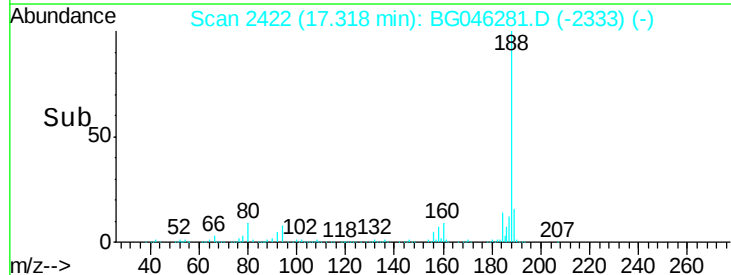
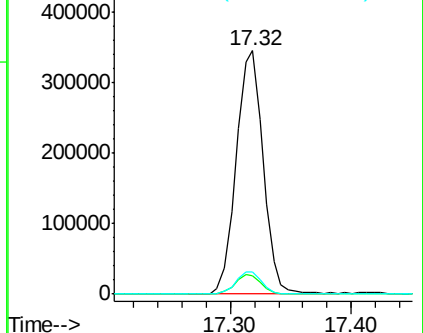
80 9.1 7.4 11.0

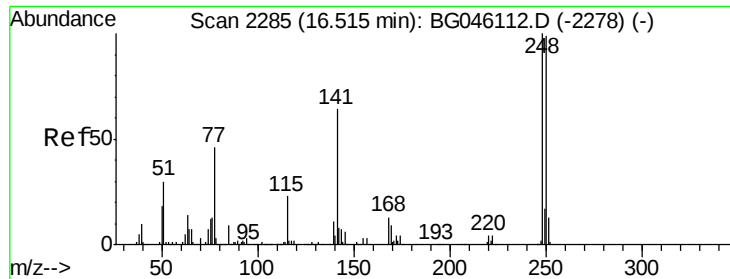


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

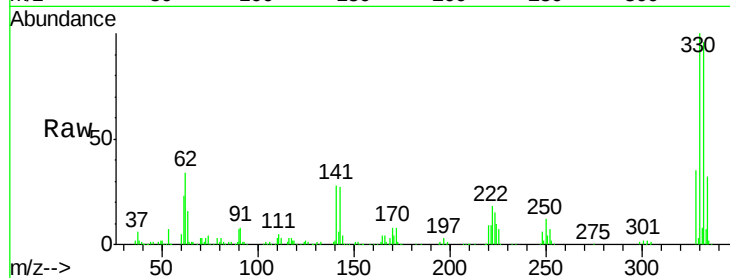




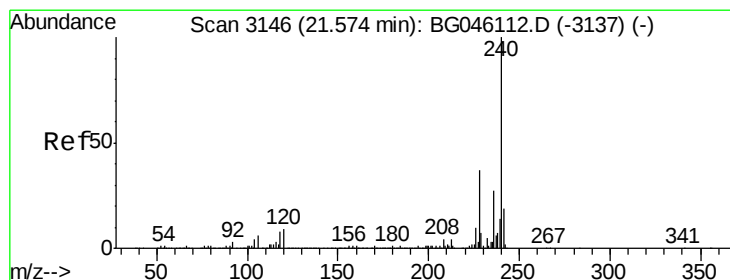
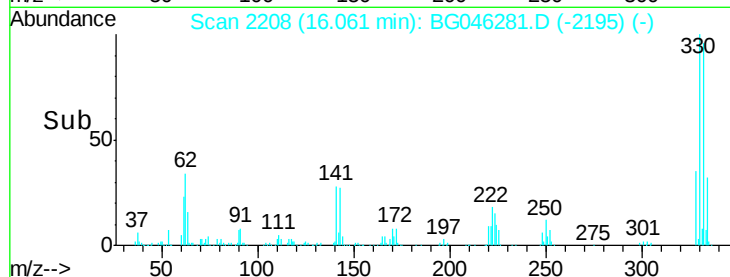
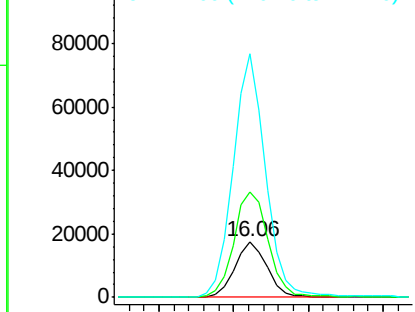
#67
 4-Bromophenyl-phenylether
 Concen: 3.974 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.45 min
 Lab File: BG046281.D
 Acq: 14 Aug 2020 18:40

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-081220

Tot Ion:248 Resp: 26422
 Ion Ratio Lower Upper
 248 100
 250 189.1 79.4 119.0#
 141 434.7 50.9 76.3#

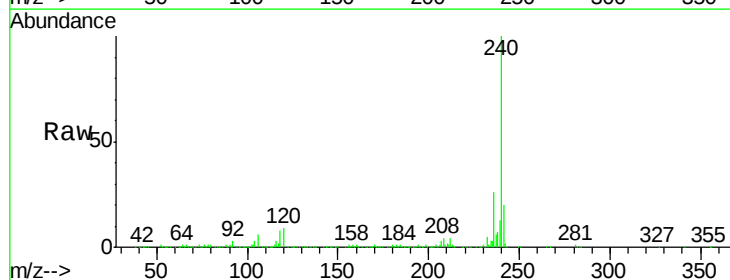


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

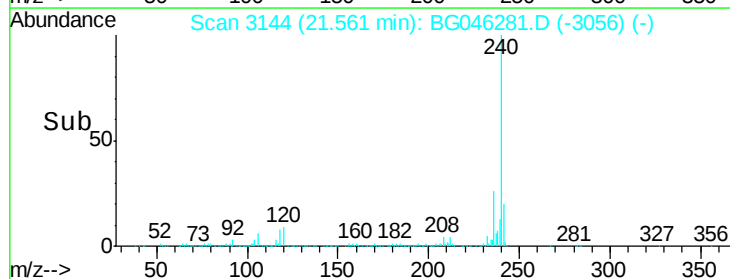
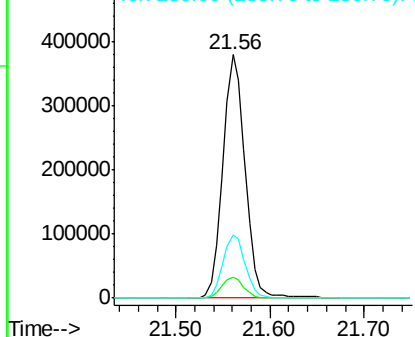


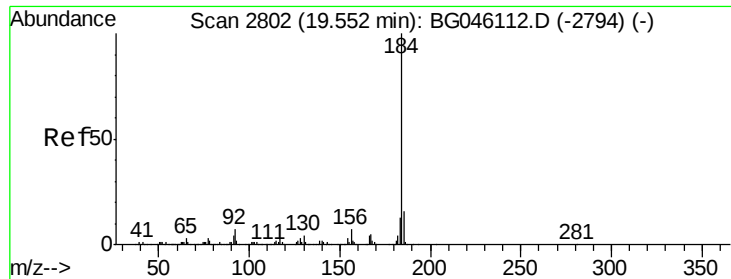
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG046281.D
 Acq: 14 Aug 2020 18:40

Tgt Ion:240 Resp: 625218
 Ion Ratio Lower Upper
 240 100
 120 8.8 7.1 10.7
 236 26.0 21.7 32.5



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: 2.006 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

Instrument :

BNA_G

ClientSampleId :

NB-08-081220

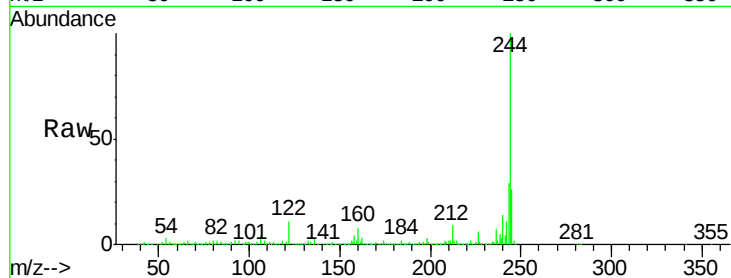
Tot Ion:184 Resp: 35519

Ion Ratio Lower Upper

184 100

185 15.9 13.0 19.4

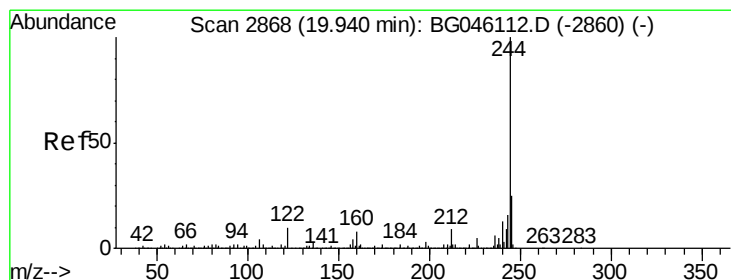
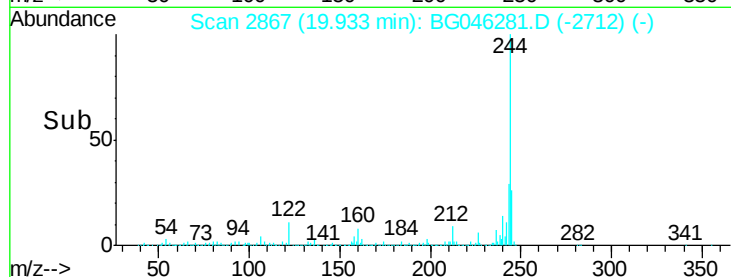
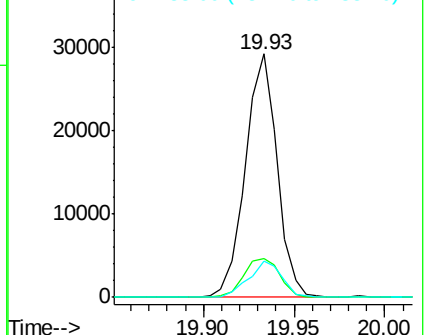
183 15.1 10.5 15.7



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: 70.202 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046281.D

Acq: 14 Aug 2020 18:40

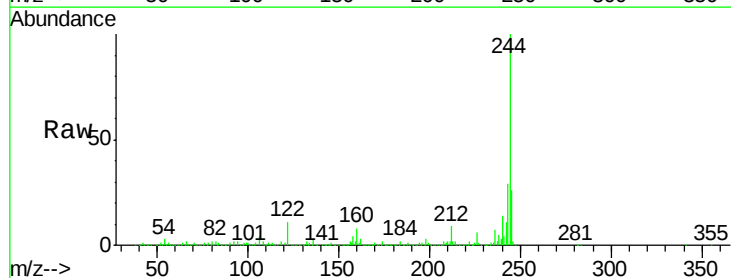
Tgt Ion:244 Resp: 2155102

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

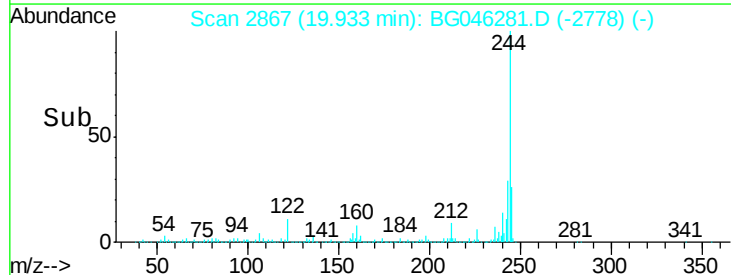
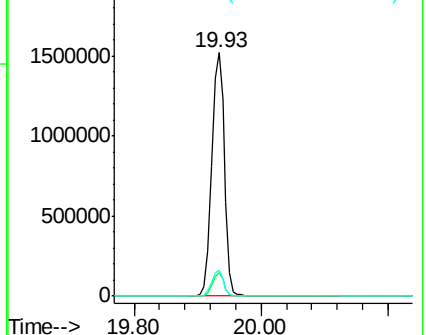
122 10.6 8.3 12.5

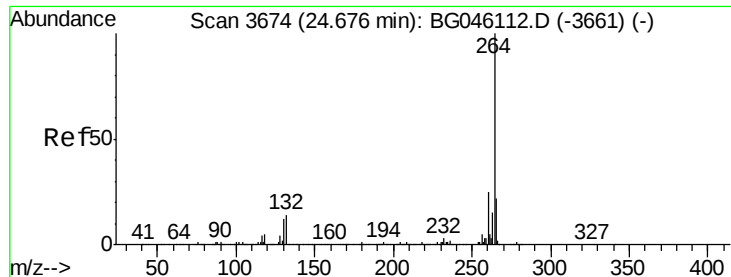


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.01 min
Lab File: BG046281.D
Acq: 14 Aug 2020 18:40

Instrument :
BNA_G
ClientSampleId :
NB-08-081220

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	21.3	17.6	26.4

