

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046520.D
 Acq On : 3 Sep 2020 17:27
 Operator : CG/JU
 Sample : PB131406BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131406BL

Quant Time: Sep 04 01:20:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

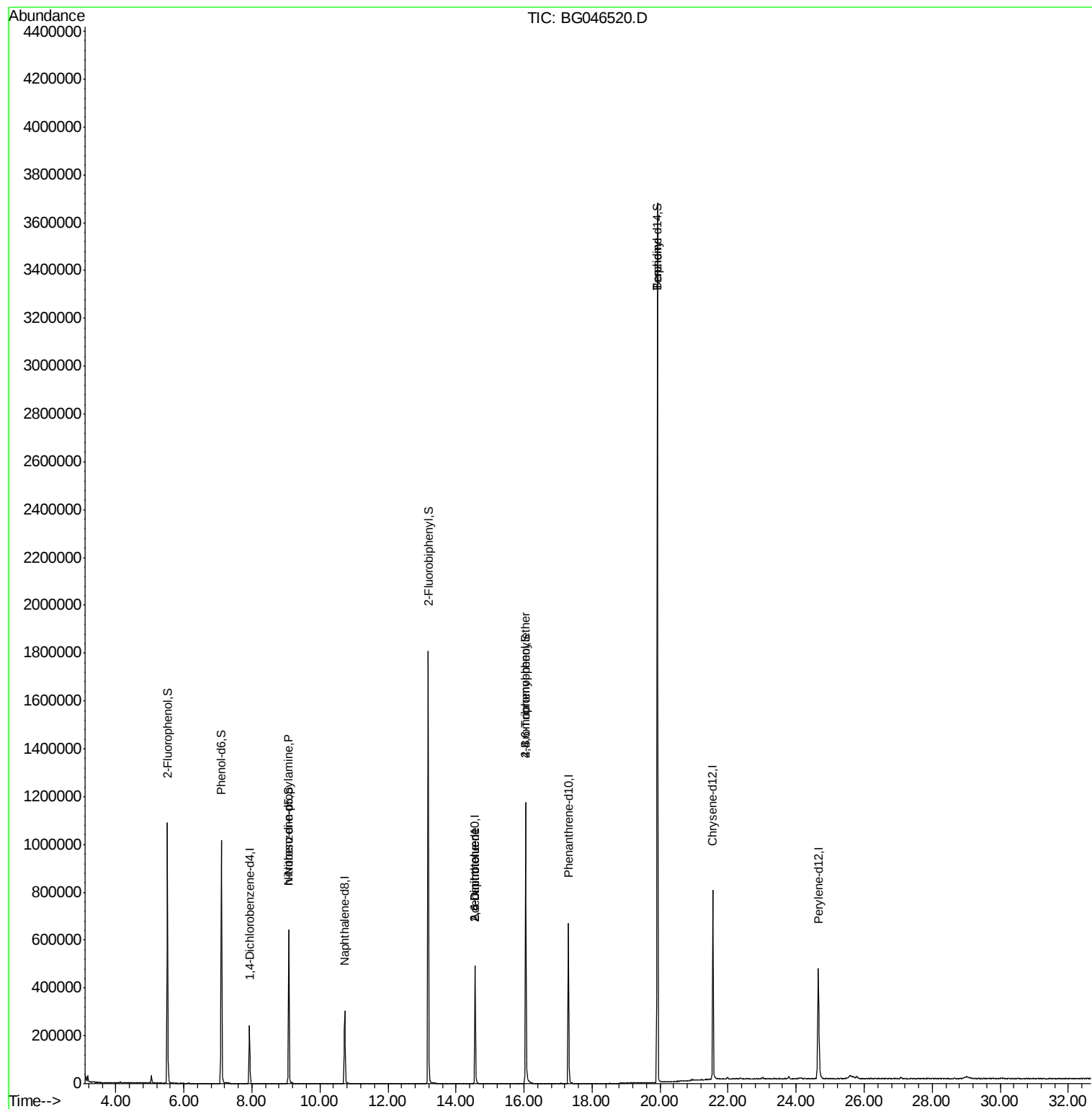
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	77705	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	296813	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	194737	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	463818	20.00	ng	0.00
76) Chrysene-d12	21.55	240	514165	20.00	ng	0.00
86) Perylene-d12	24.65	264	500534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	501897	114.40	ng	0.00
7) Phenol-d6	7.10	99	628073	100.99	ng	0.00
23) Nitrobenzene-d5	9.08	82	410978	79.14	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	258556	97.99	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1025927	80.42	ng	0.00
79) Terphenyl-d14	19.92	244	1663420	68.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	52319	14.064	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	25894	7.797	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	25894	5.468	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	19427	3.590	ng	# 1
77) Benzidine	19.92	184	25241	2.113	ng	95

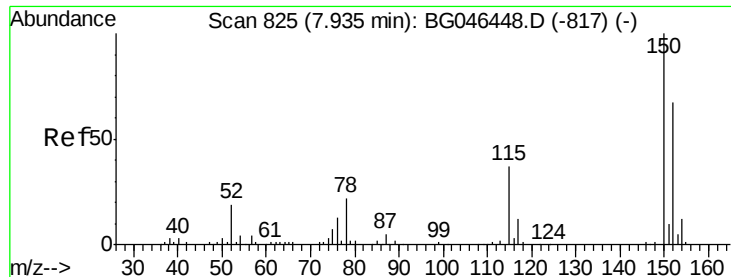
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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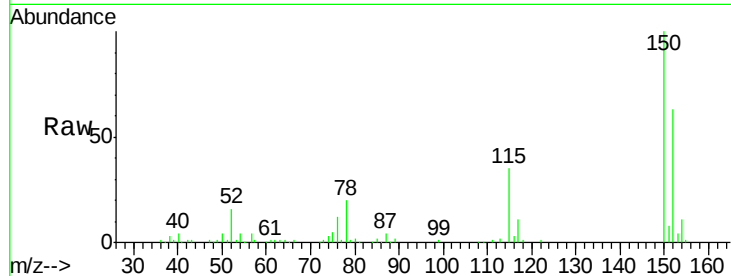


#1

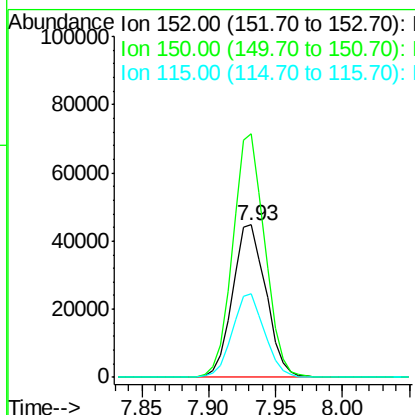
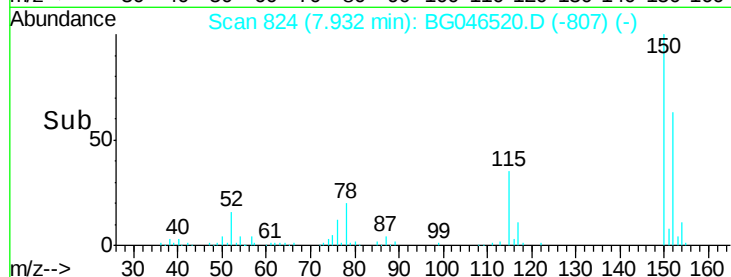
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Instrument :
 BNA_G
 ClientSampleId :
 PB131406BL

Tot Ion:152 Resp: 77705
 Ion Ratio Lower Upper
 152 100
 150 159.5 119.5 179.3
 115 55.0 44.3 66.5



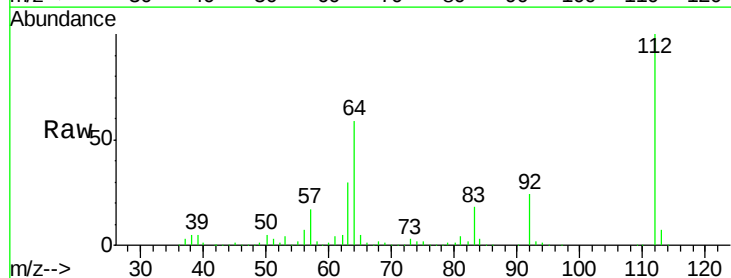
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



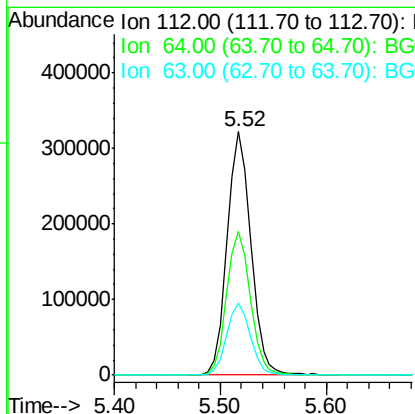
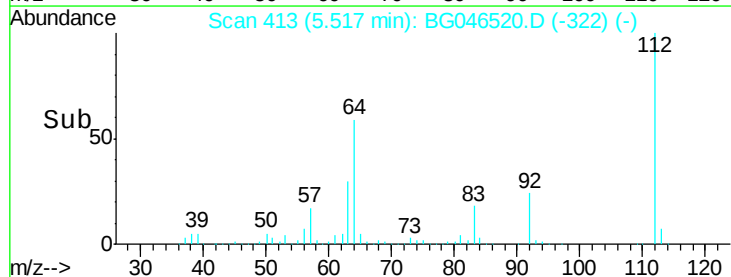
#5

2-Fluorophenol
 Concen: 114.401 ng
 RT: 5.52 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Tgt Ion:112 Resp: 501897
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.0 70.6
 63 29.6 23.5 35.3



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: 100.988 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

Instrument :

BNA_G

ClientSampleId :

PB131406BL

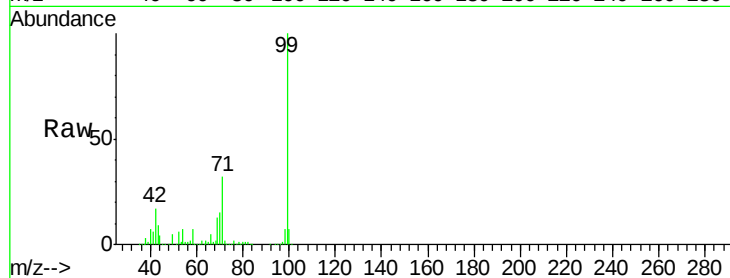
Tot Ion: 99 Resp: 628073

Ion Ratio Lower Upper

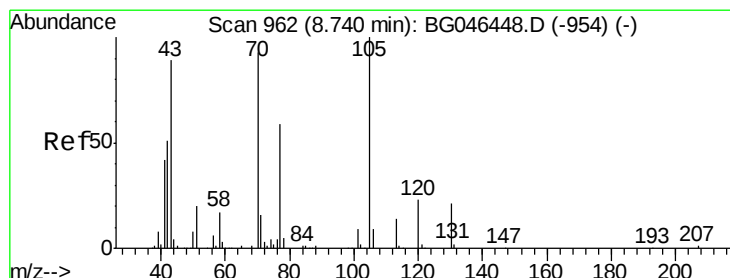
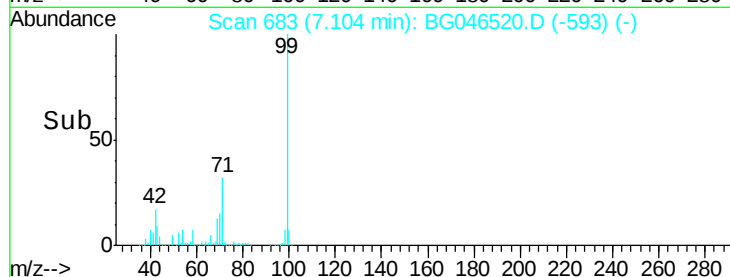
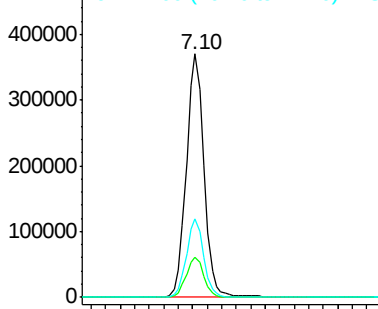
99 100

42 16.7 13.3 19.9

71 32.3 25.3 37.9



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: 14.064 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

Tgt Ion: 70 Resp: 52319

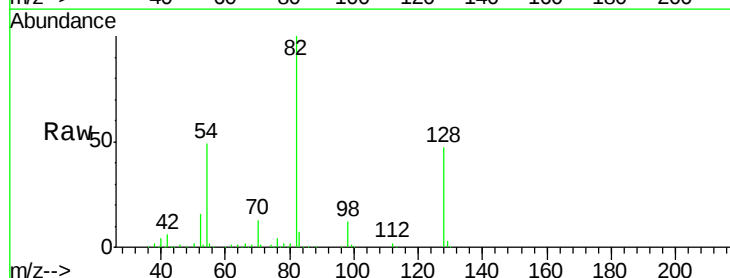
Ion Ratio Lower Upper

70 100

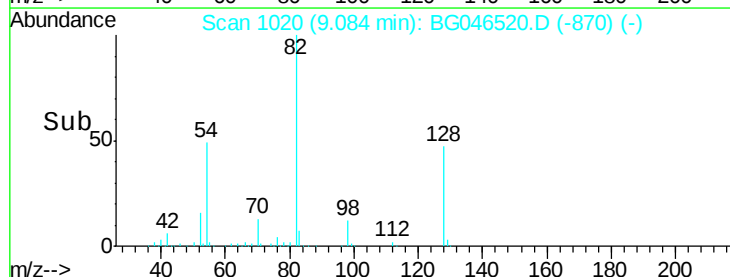
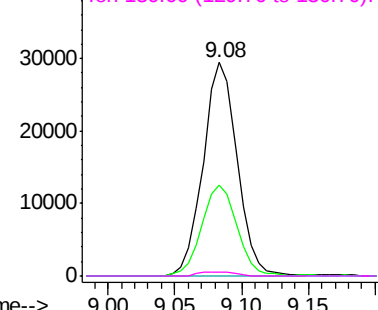
42 42.7 44.2 66.2#

101 0.0 7.8 11.8#

130 2.0 18.2 27.4#



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

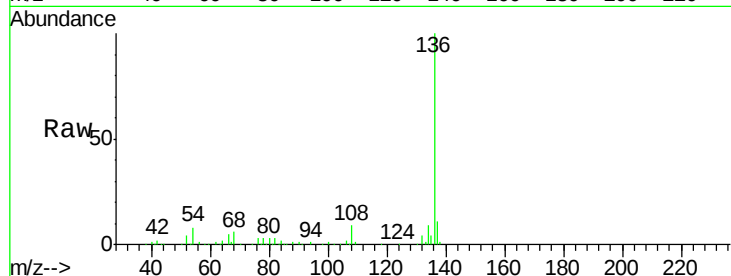




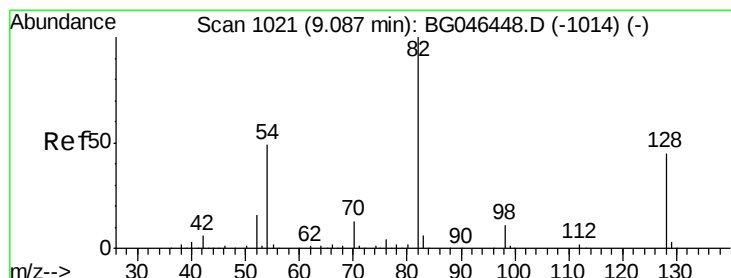
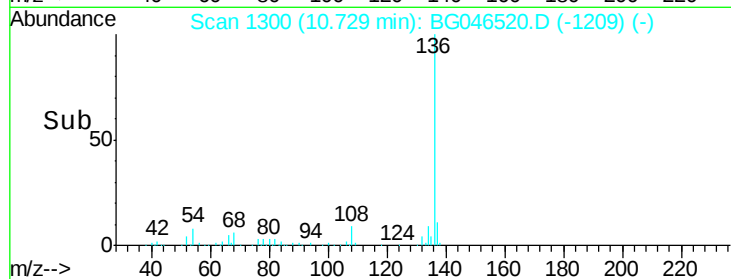
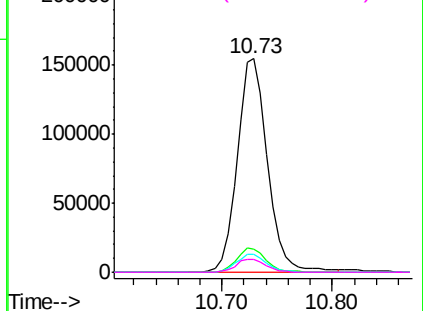
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046520.D
Acq: 3 Sep 2020 17:27

Instrument :
BNA_G
ClientSampleId :
PB131406BL

Tot Ion:136	Resp:	296813	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.8	13.2	
54 8.5	6.1	9.1	
68 6.2	4.8	7.2	

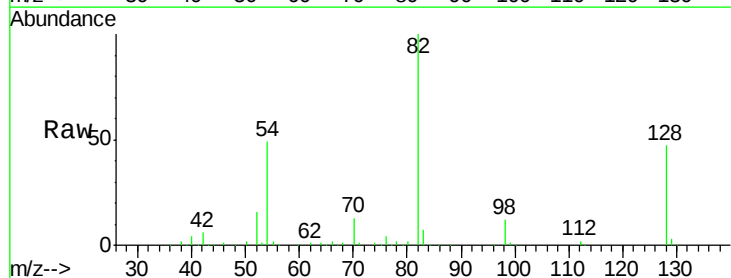


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

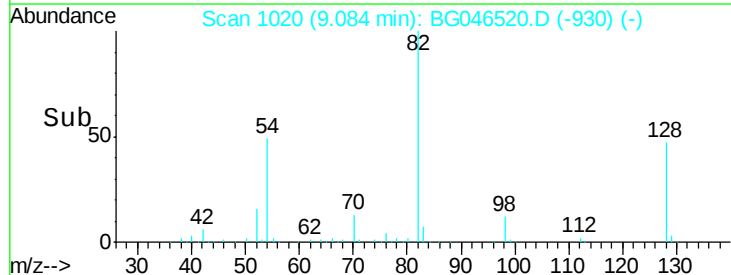
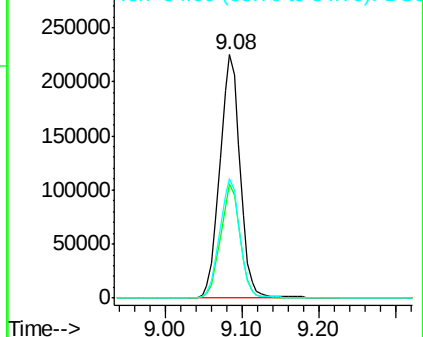


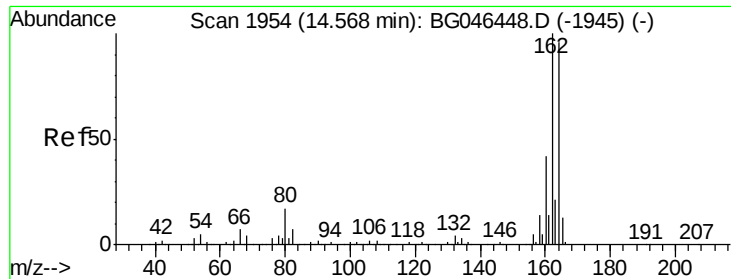
#23
Nitrobenzene-d5
Concen: 79.139 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046520.D
Acq: 3 Sep 2020 17:27

Tgt	Ion: 82	Resp:	410978
Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.7	53.5
54	48.8	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

Instrument :

BNA_G

ClientSampleId :

PB131406BL

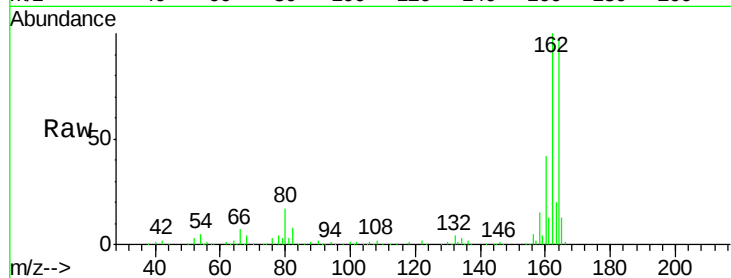
Tot Ion:164 Resp: 194737

Ion Ratio Lower Upper

164 100

162 103.5 83.3 124.9

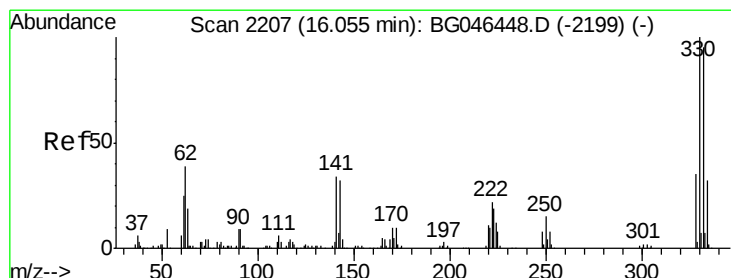
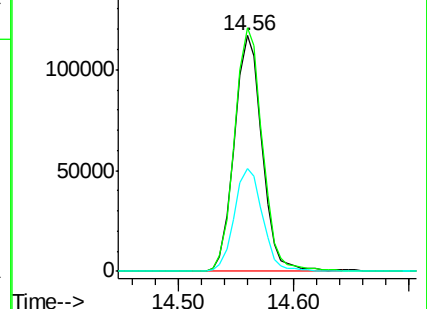
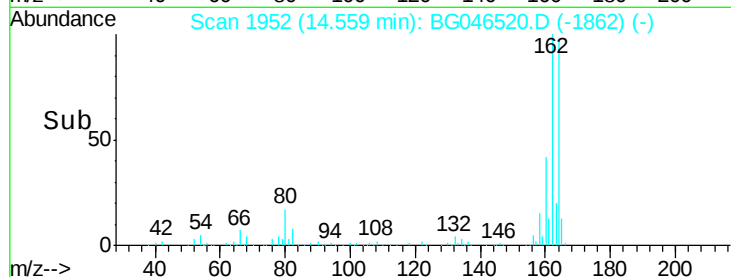
160 43.7 35.0 52.6



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: 97.992 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

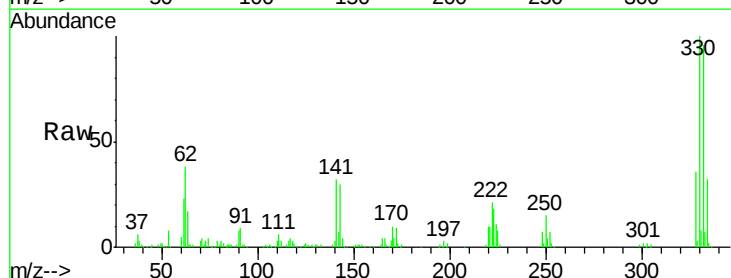
Tgt Ion:330 Resp: 258556

Ion Ratio Lower Upper

330 100

332 98.1 76.1 114.1

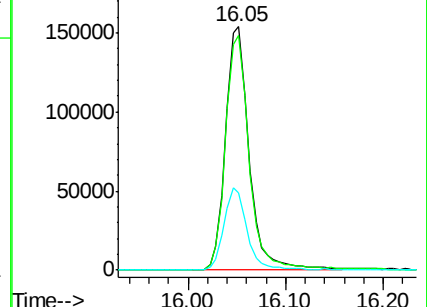
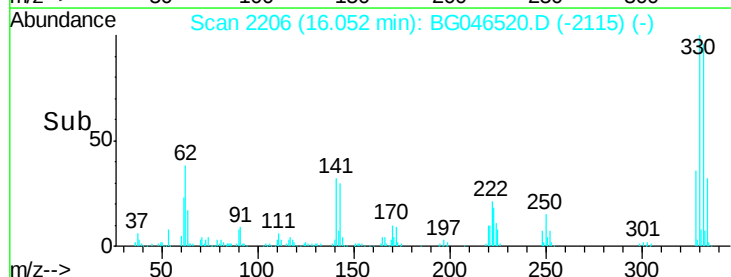
141 33.3 26.1 39.1

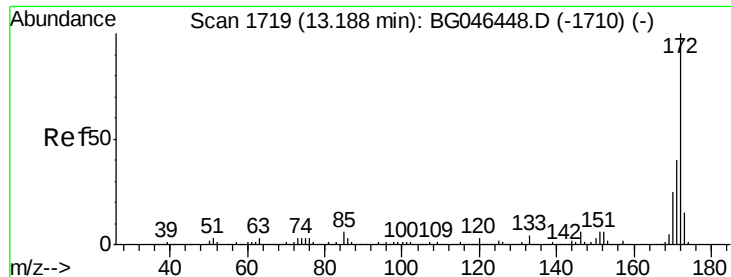


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

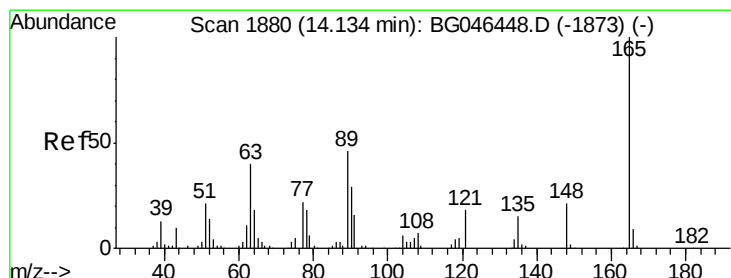
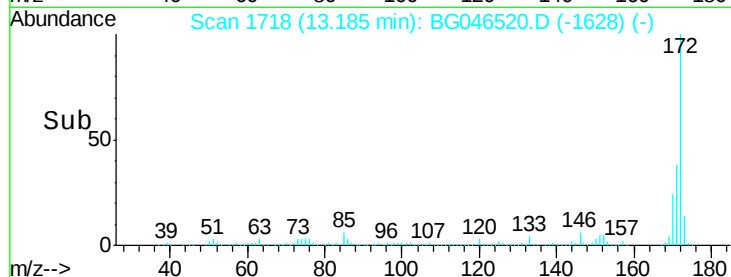
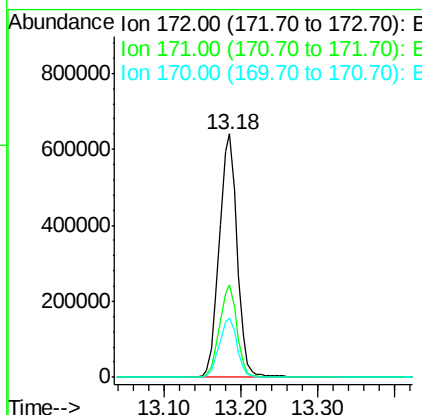
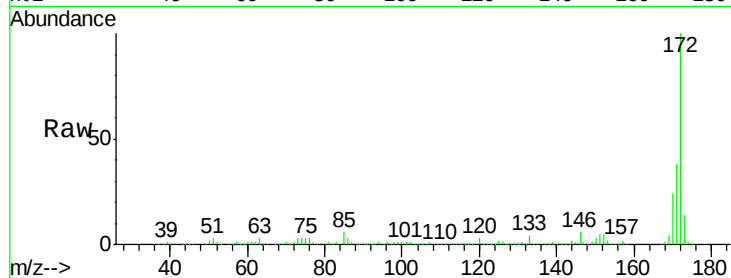




#45
2-Fluorobiphenyl
Concen: 80.423 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG046520.D
Acq: 3 Sep 2020 17:27

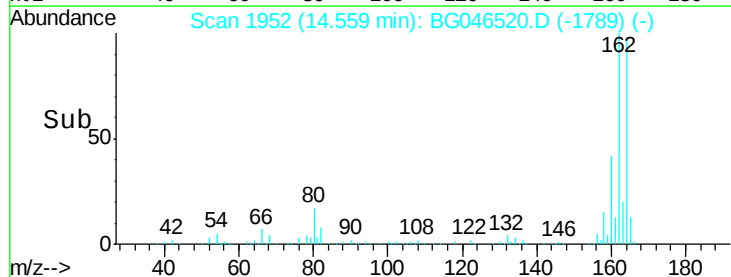
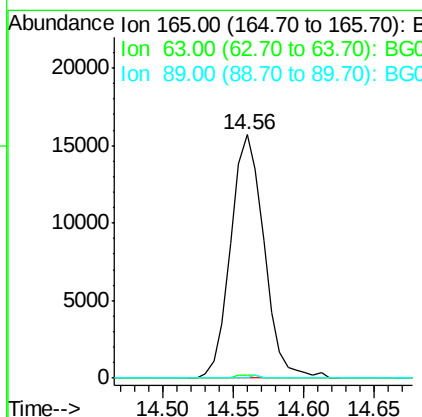
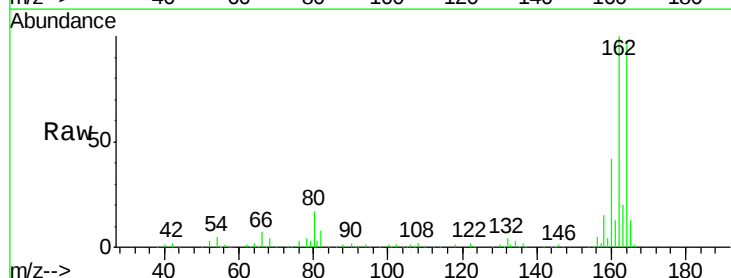
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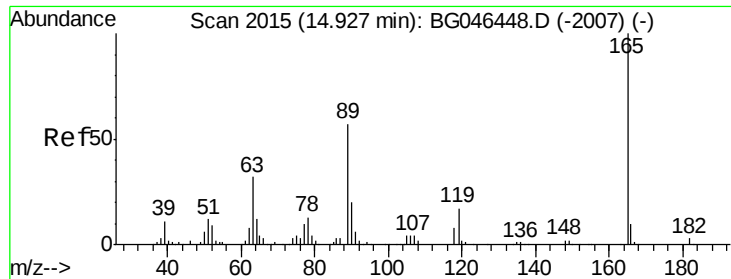
Tot Ion:172 Resp: 1025927
Ion Ratio Lower Upper
172 100
171 37.8 31.8 47.6
170 24.4 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 7.797 ng
RT: 14.56 min Scan# 1952
Delta R.T. 0.43 min
Lab File: BG046520.D
Acq: 3 Sep 2020 17:27

Tgt Ion:165 Resp: 25894
Ion Ratio Lower Upper
165 100
63 1.4 34.2 51.4#
89 0.0 37.0 55.4#

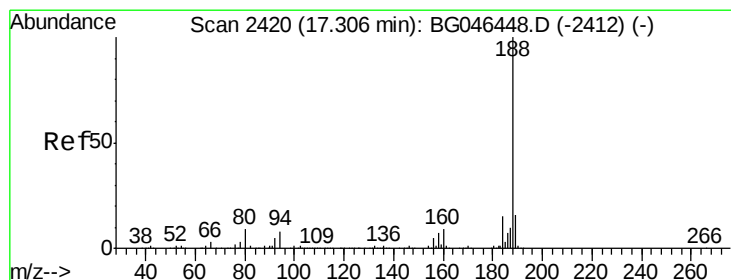
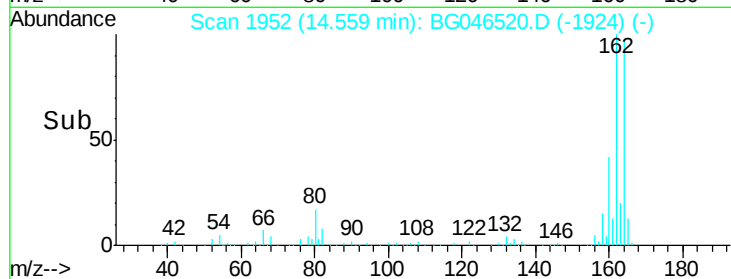
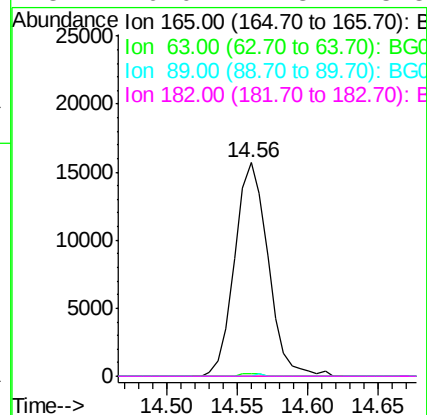
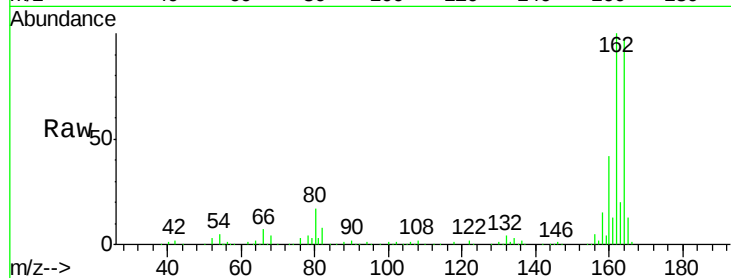




#57
 2,4-Dinitrotoluene
 Concen: 5.468 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

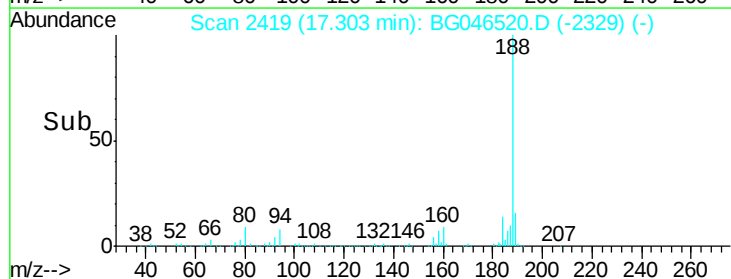
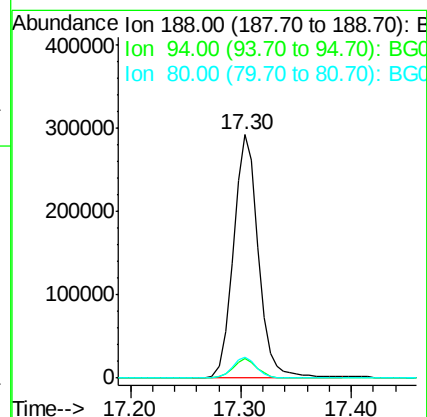
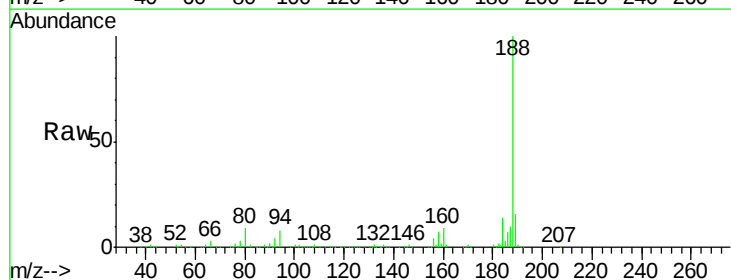
Instrument :
 BNA_G
 ClientSampleID :
 PB131406BL

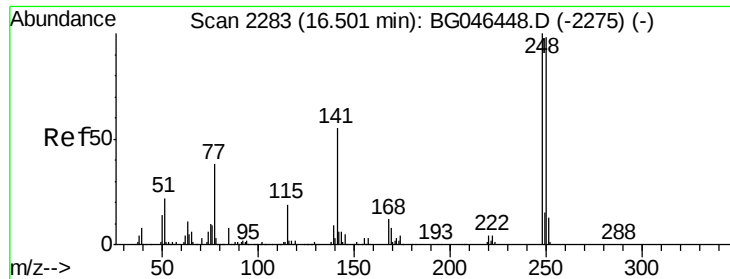
Tot Ion:165	Resp:	25894
Ion Ratio	Lower	Upper
165	100	
63	1.4	25.4 38.0#
89	0.0	45.9 68.9#
182	0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Tgt Ion:188	Resp:	463818
Ion Ratio	Lower	Upper
188	100	
94	7.9	6.3 9.5
80	8.6	6.9 10.3

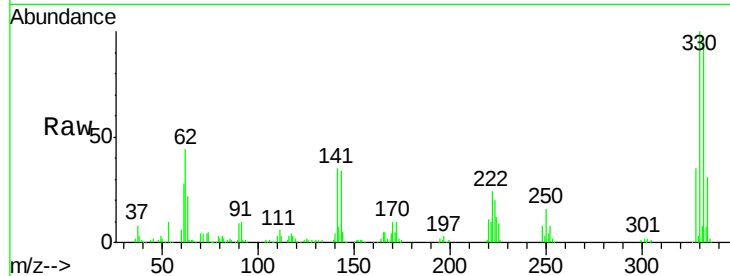




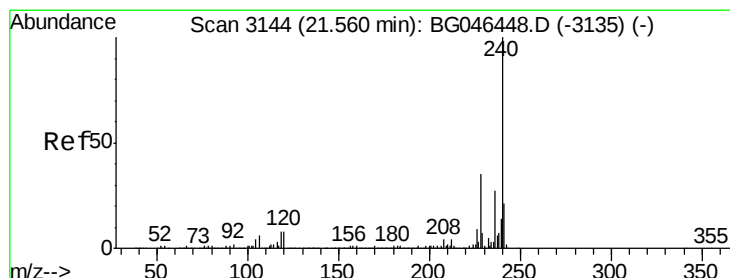
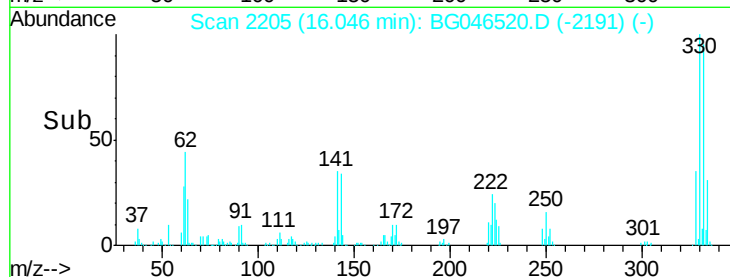
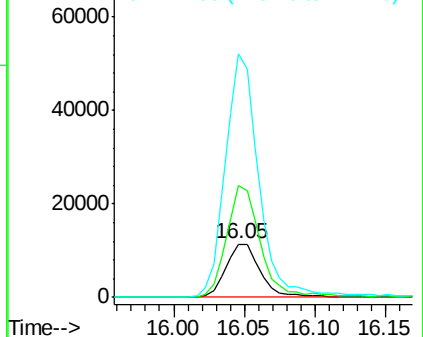
#67
 4-Bromophenyl-phenylether
 Concen: 3.590 ng
 RT: 16.05 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Instrument :
 BNA_G
 ClientSampleId :
 PB131406BL

Tot Ion:248 Resp: 19427
 Ion Ratio Lower Upper
 248 100
 250 209.9 78.6 118.0#
 141 458.8 43.9 65.9#

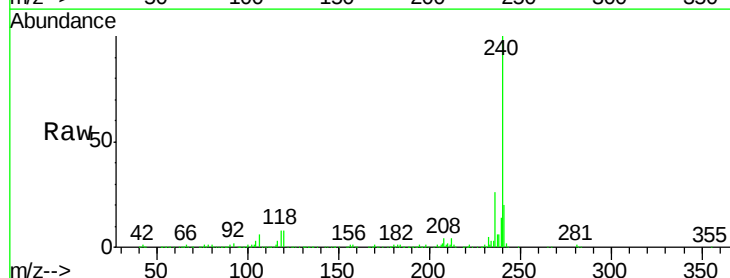


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

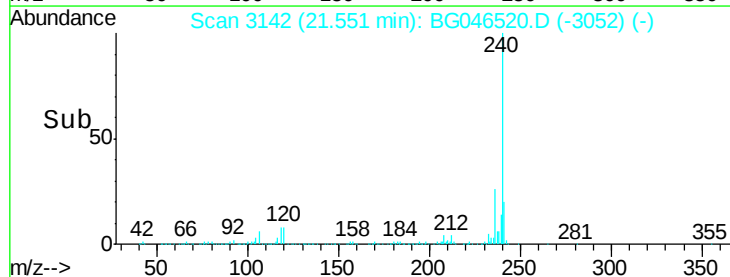
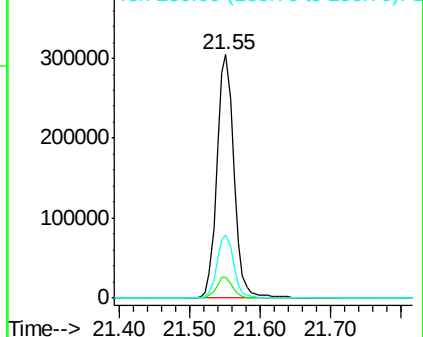


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Tgt Ion:240 Resp: 514165
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.6 10.0
 236 26.0 21.4 32.2



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: 2.113 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

Instrument :

BNA_G

ClientSampleId :

PB131406BL

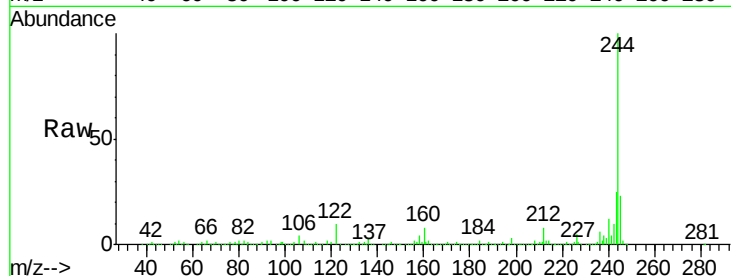
Tot Ion:184 Resp: 25241

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8

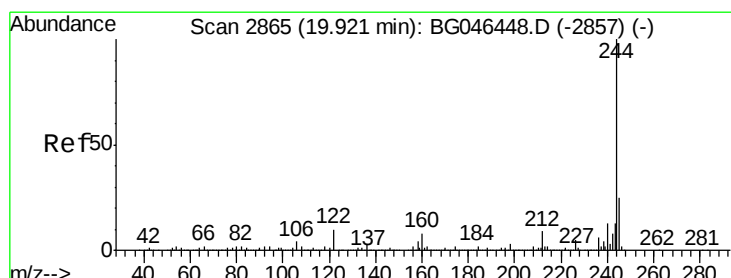
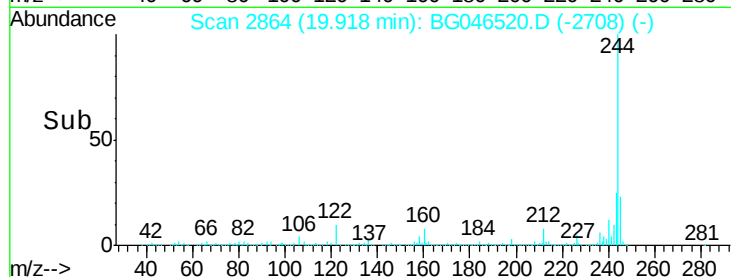
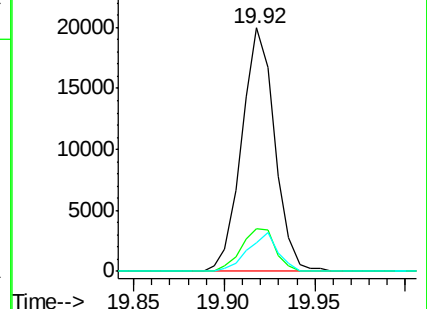
183 12.0 10.7 16.1



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: 68.851 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046520.D

Acq: 3 Sep 2020 17:27

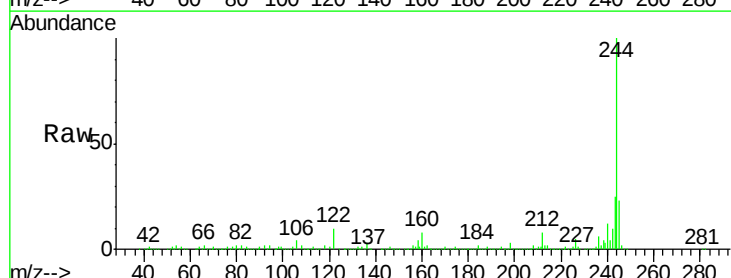
Tgt Ion:244 Resp: 1663420

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

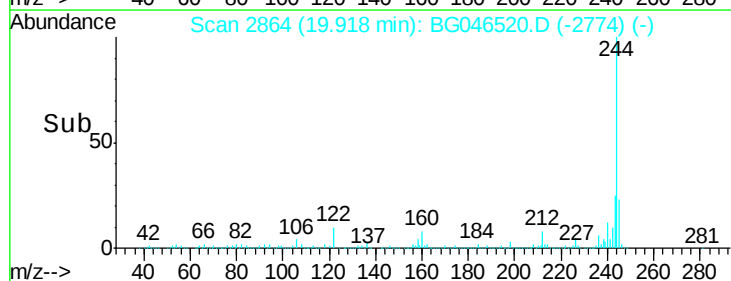
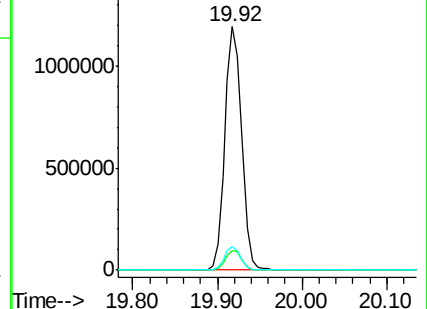
122 9.9 8.2 12.4

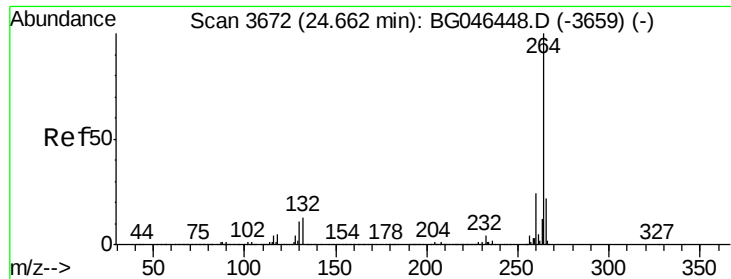


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

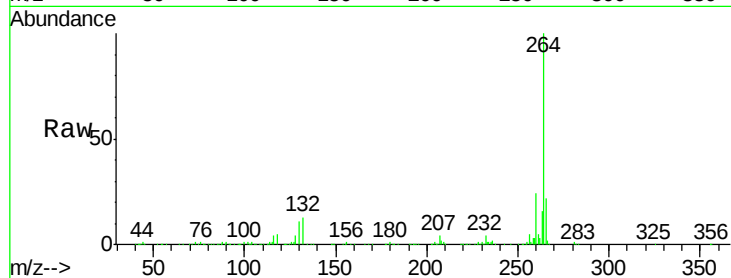




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.65 min Scan# 3670
 Delta R.T. -0.00 min
 Lab File: BG046520.D
 Acq: 3 Sep 2020 17:27

Instrument :
 BNA_G
 ClientSampleId :
 PB131406BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	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

