

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082520\
 Data File : BG046453.D
 Acq On : 25 Aug 2020 18:11
 Operator : CG/JU
 Sample : PB131184BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131184BL

Quant Time: Aug 25 18:52:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 18:00:34 2020
 Response via : Initial Calibration

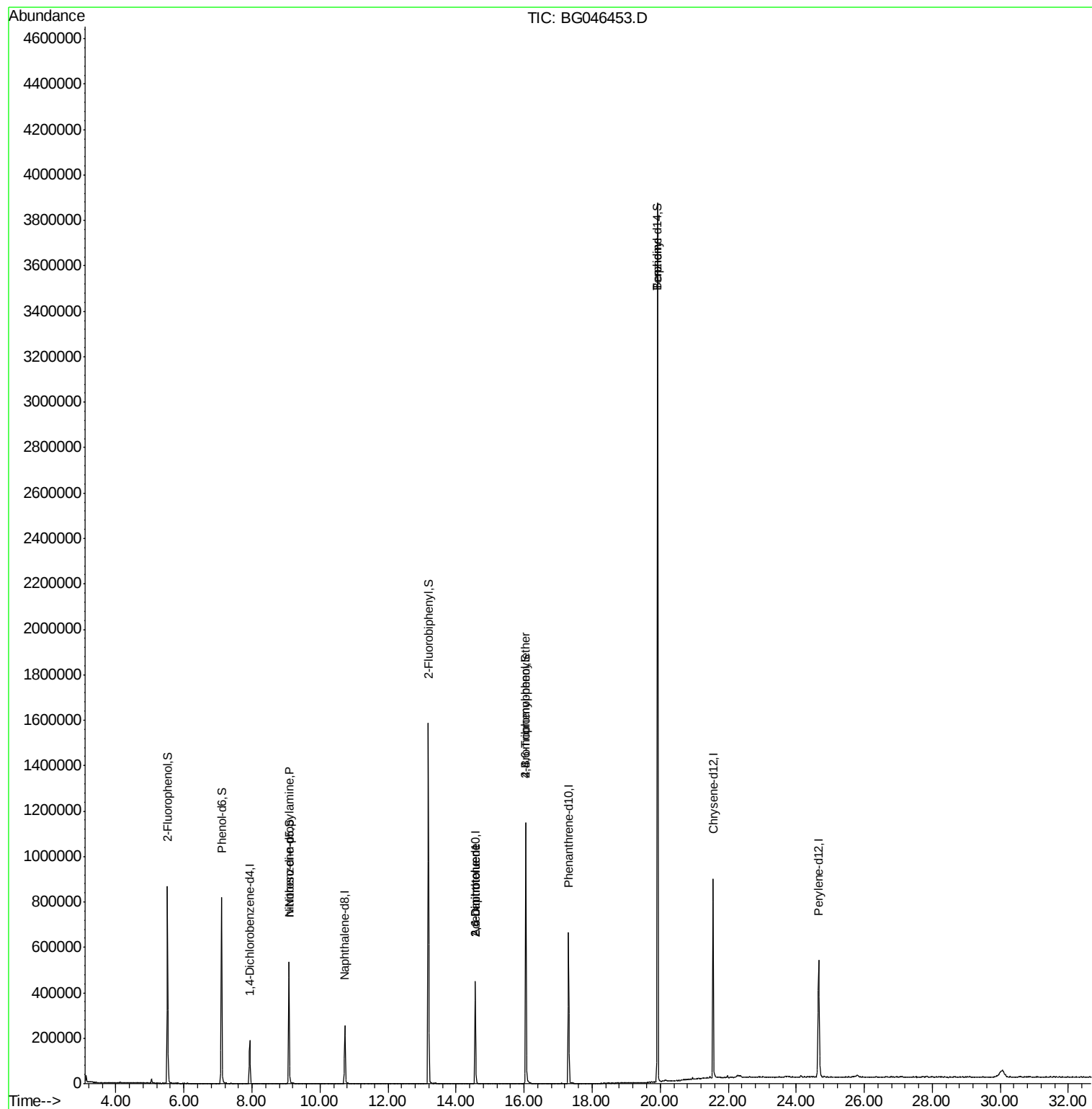
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	62092	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	249011	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	166313	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	436885	20.00	ng	0.00
76) Chrysene-d12	21.55	240	547087	20.00	ng	0.00
86) Perylene-d12	24.66	264	550758	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	420738	120.02	ng	0.00
7) Phenol-d6	7.11	99	531012	106.85	ng	0.00
23) Nitrobenzene-d5	9.09	82	343382	78.82	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	245211	108.82	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	884841	81.22	ng	0.00
79) Terphenyl-d14	19.92	244	1778552	69.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	43735	14.712	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	22546	7.949	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	22546	5.575	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	18656	3.660	ng	# 1
77) Benzidine	19.92	184	27280	2.146	ng	# 95

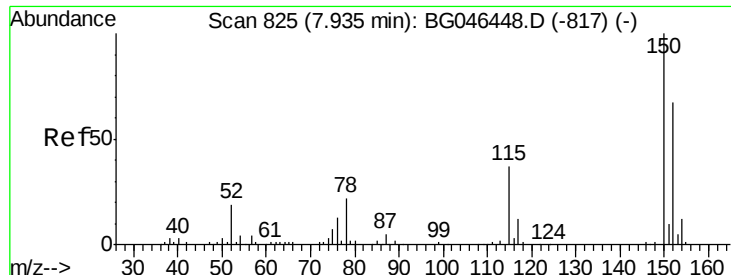
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082520\
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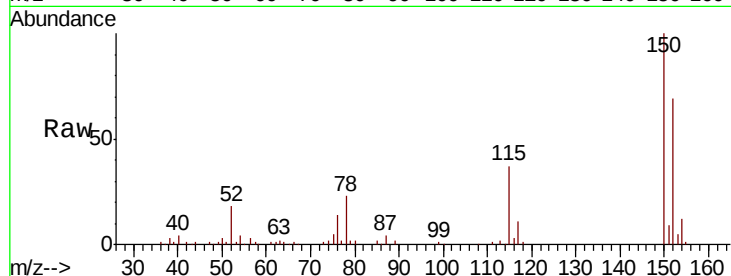


#1

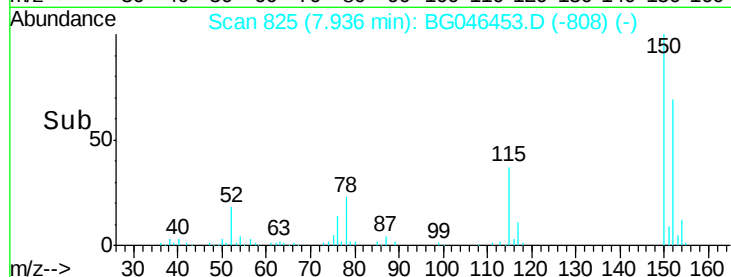
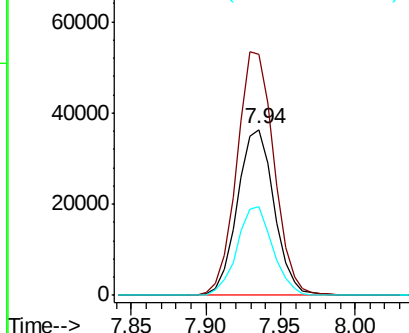
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 825
Delta R.T. 0.00 min
Lab File: BG046453.D
Acq: 25 Aug 2020 18:11

Instrument :
BNA_G
ClientSampleId :
PB131184BL

Tot Ion:152 Resp: 62092
Ion Ratio Lower Upper
152 100
150 145.2 119.5 179.3
115 53.7 44.3 66.5



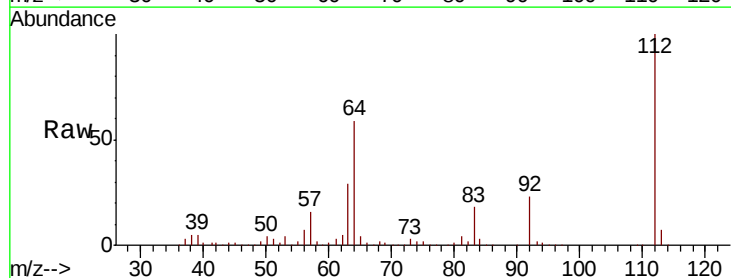
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



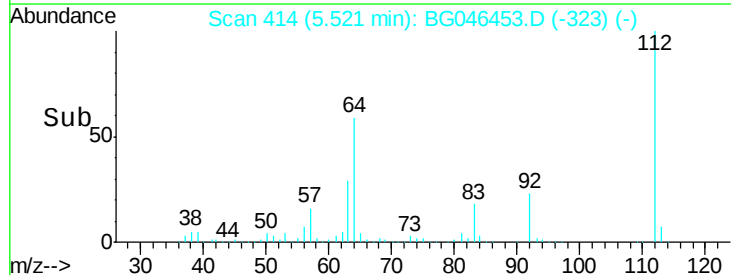
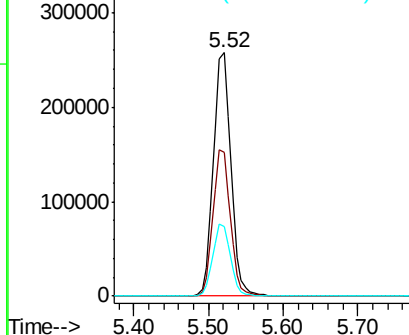
#5

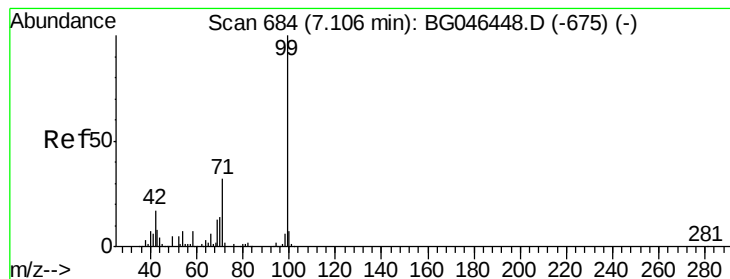
2-Fluorophenol
Concen: 120.016 ng
RT: 5.52 min Scan# 414
Delta R.T. 0.01 min
Lab File: BG046453.D
Acq: 25 Aug 2020 18:11

Tgt Ion:112 Resp: 420738
Ion Ratio Lower Upper
112 100
64 58.9 47.0 70.6
63 28.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.851 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

Instrument :

BNA_G

ClientSampleId :

PB131184BL

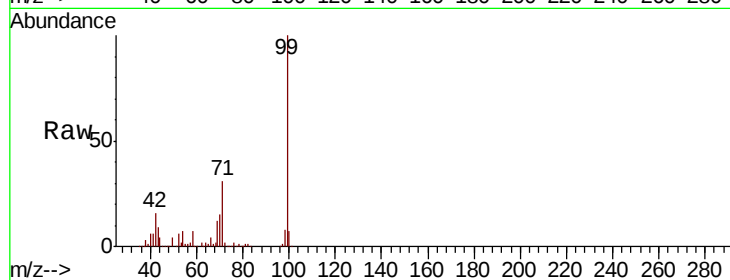
Tot Ion: 99 Resp: 531012

Ion Ratio Lower Upper

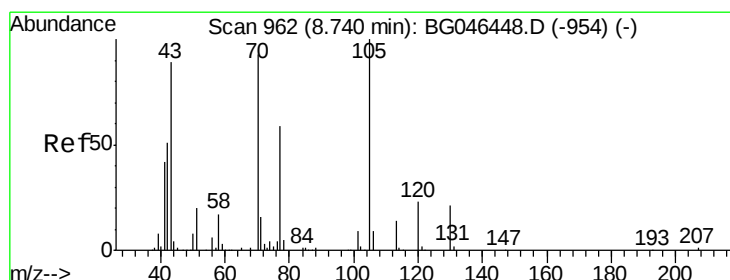
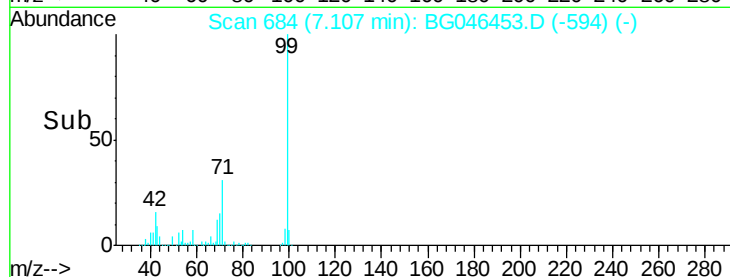
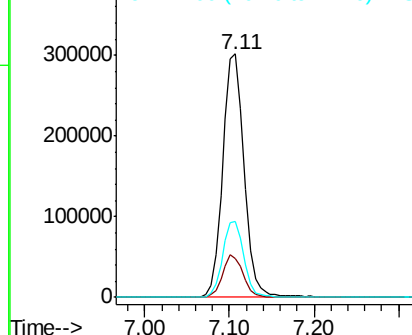
99 100

42 16.2 13.3 19.9

71 31.0 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: 14.712 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

Tgt Ion: 70 Resp: 43735

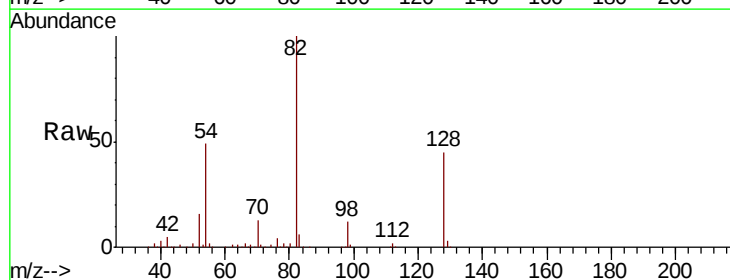
Ion Ratio Lower Upper

70 100

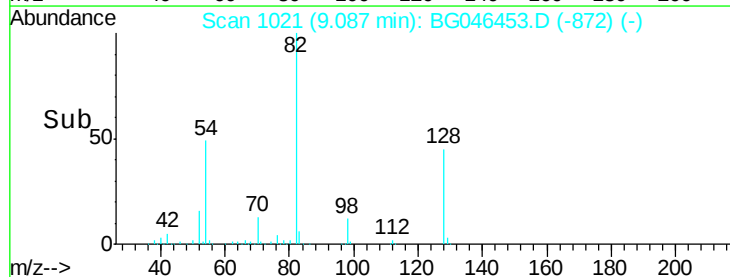
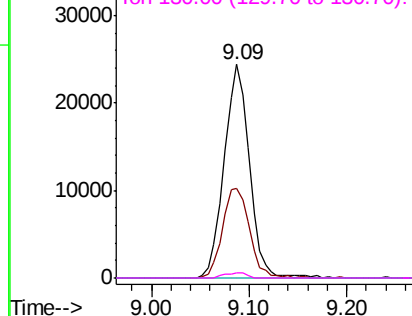
42 41.8 44.2 66.2#

101 0.0 7.8 11.8#

130 2.3 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

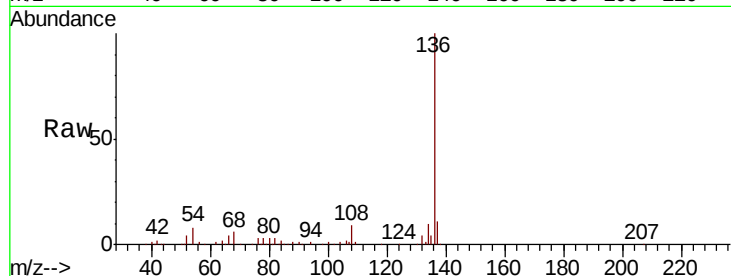




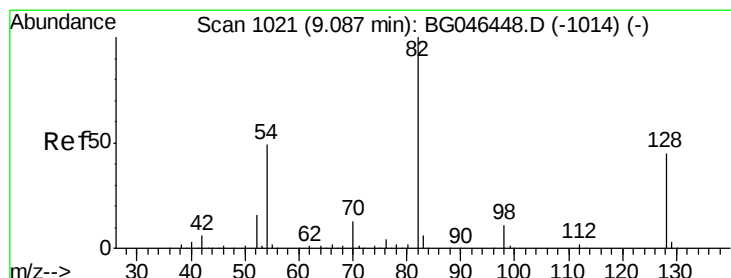
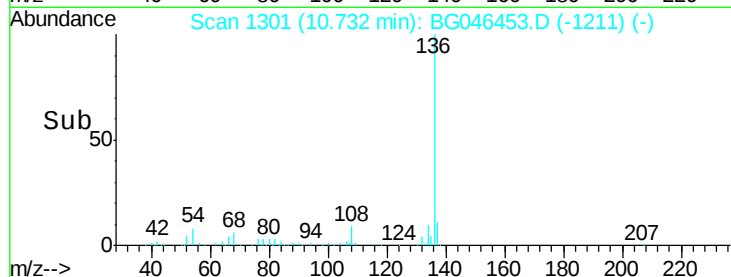
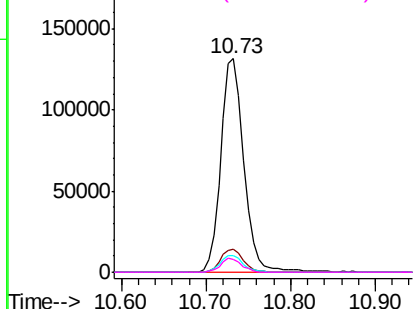
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG046453.D
Acq: 25 Aug 2020 18:11

Instrument :
BNA_G
ClientSampleId :
PB131184BL

Tot Ion:136	Resp:	249011
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	7.8	6.1 9.1
68	6.0	4.8 7.2

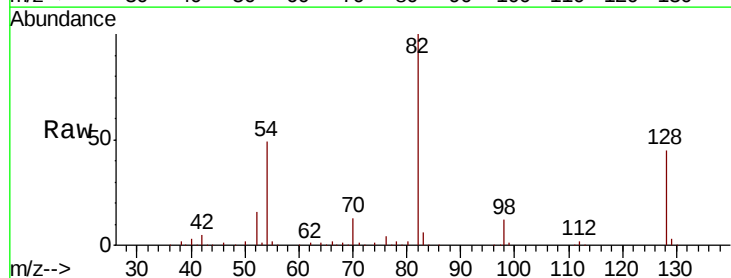


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

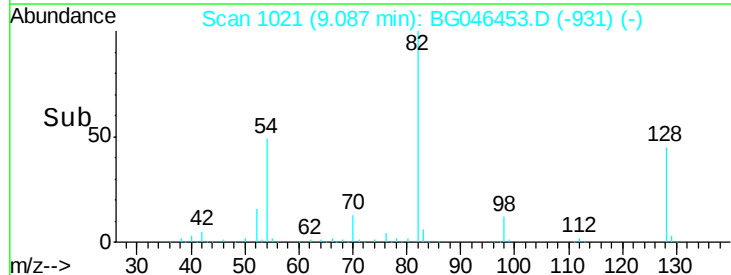
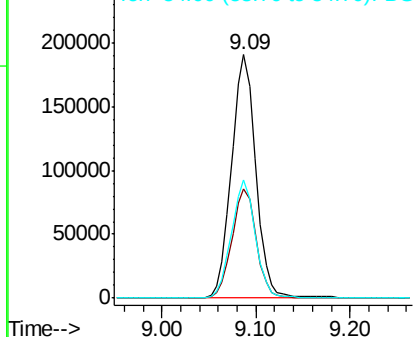


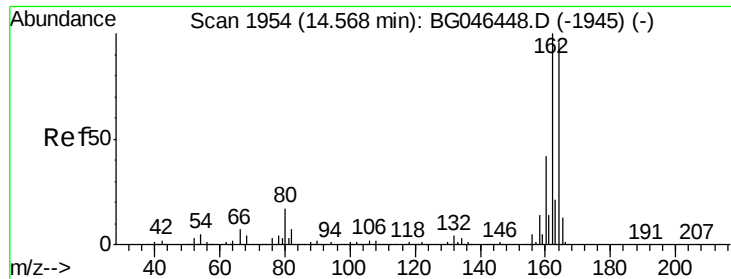
#23
Nitrobenzene-d5
Concen: 78.816 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046453.D
Acq: 25 Aug 2020 18:11

Tgt Ion: 82	Resp:	343382
Ion	Ratio	Lower Upper
82	100	
128	44.7	35.7 53.5
54	48.6	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# 1953

Delta R.T. -0.01 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

Instrument :

BNA_G

ClientSampleId :

PB131184BL

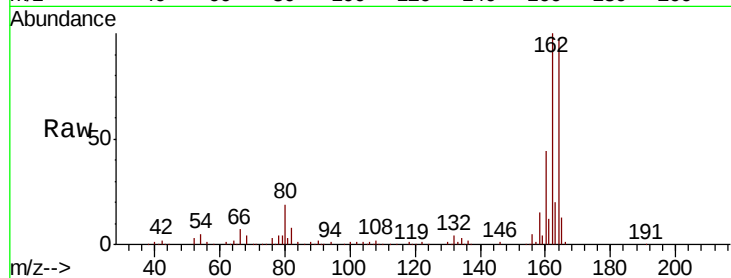
Tot Ion:164 Resp: 166313

Ion Ratio Lower Upper

164 100

162 102.6 83.3 124.9

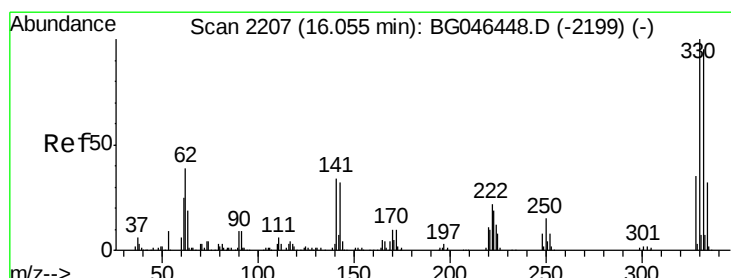
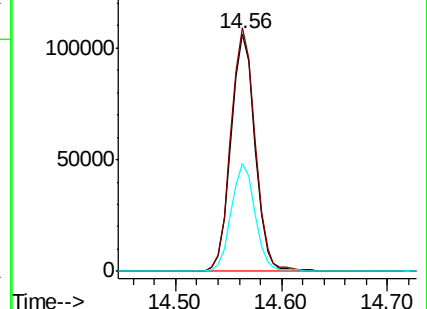
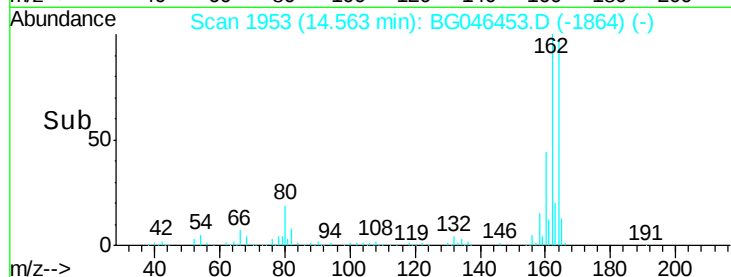
160 45.3 35.0 52.6



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: 108.817 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

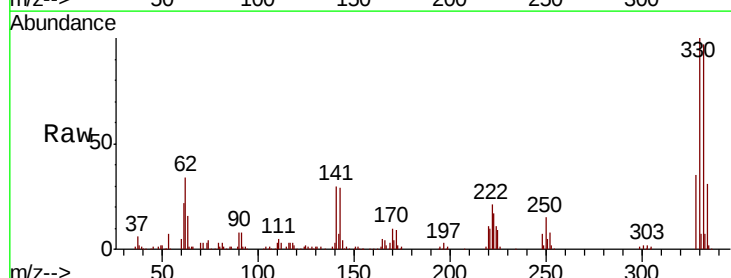
Tgt Ion:330 Resp: 245211

Ion Ratio Lower Upper

330 100

332 97.1 76.1 114.1

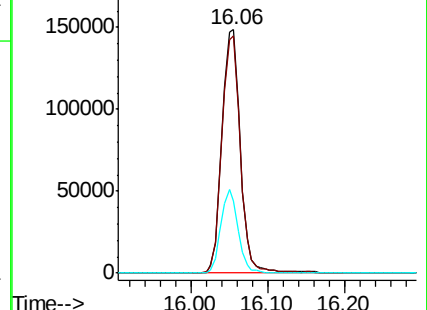
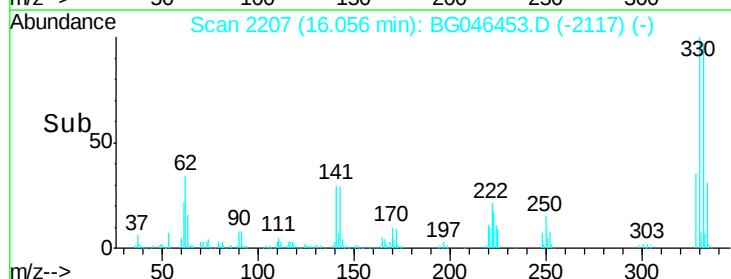
141 32.2 26.1 39.1

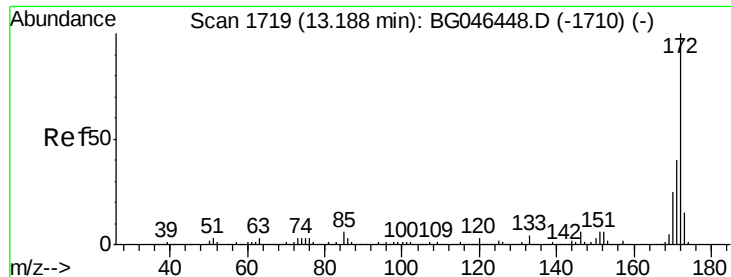


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

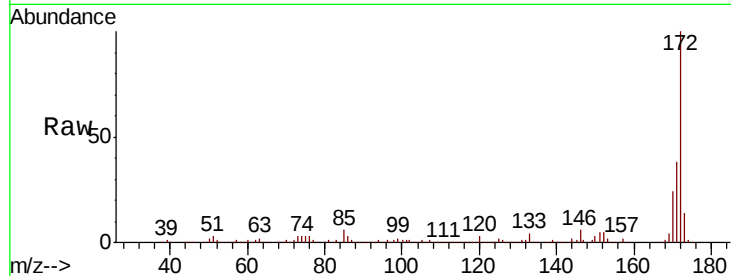




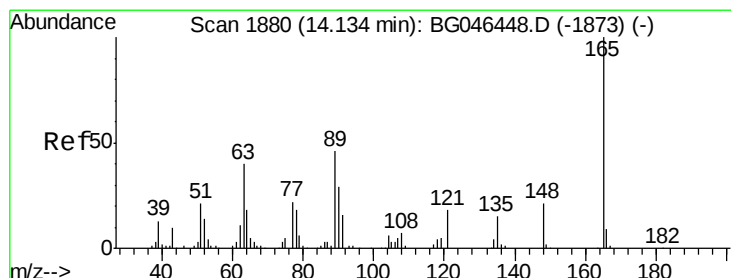
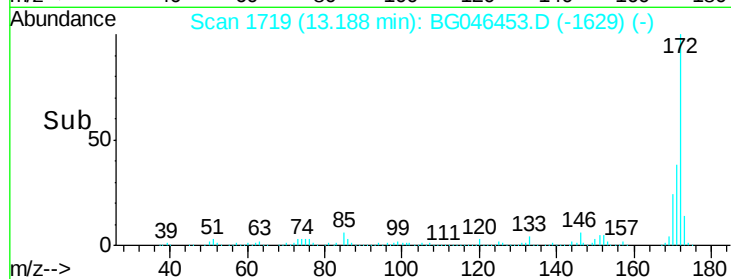
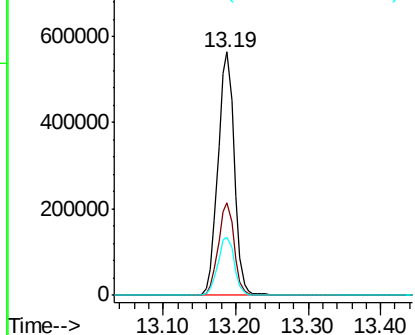
#45
 2-Fluorobiphenyl
 Concen: 81.218 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB131184BL

Tot Ion:172 Resp: 884841
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.8 47.6
 170 23.9 20.3 30.5

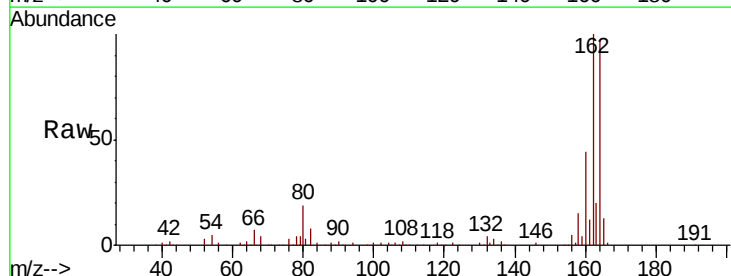


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

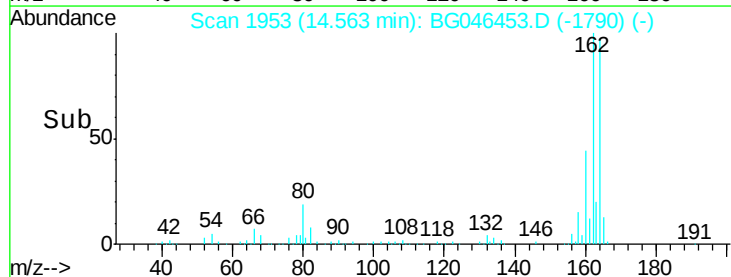
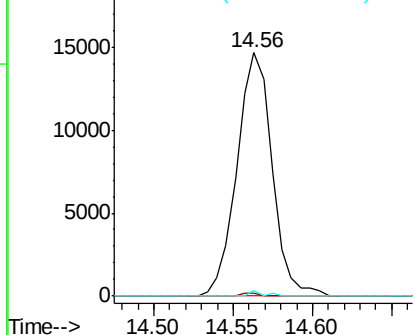


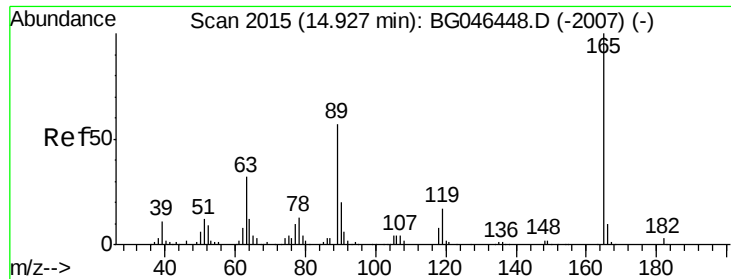
#51
 2,6-Dinitrotoluene
 Concen: 7.949 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

Tgt Ion:165 Resp: 22546
 Ion Ratio Lower Upper
 165 100
 63 1.2 34.2 51.4#
 89 2.2 37.0 55.4#



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

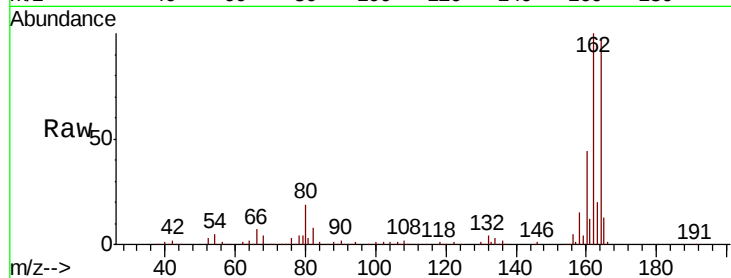




#57
 2,4-Dinitrotoluene
 Concen: 5.575 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB131184BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	2.2	45.9	68.9#
182	0.0	2.3	3.5#

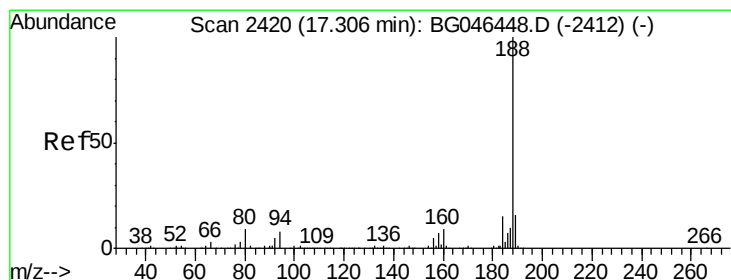
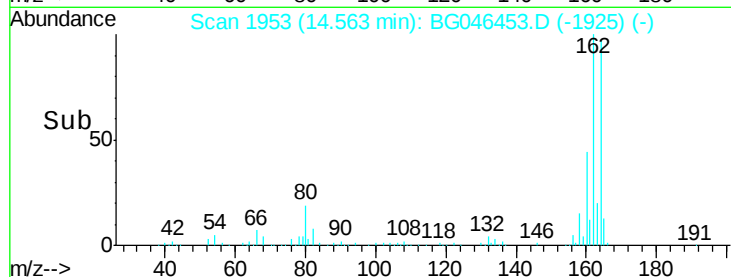
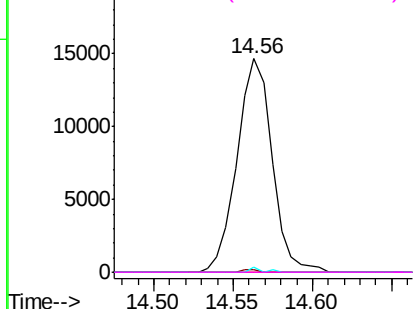


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

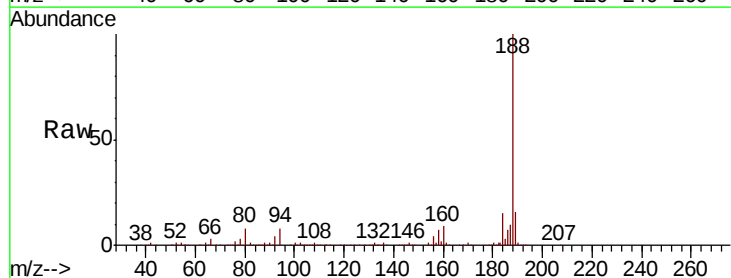
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

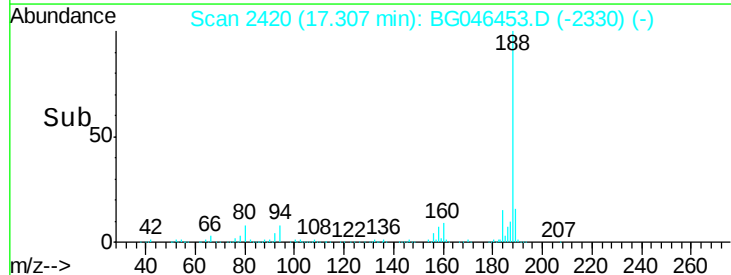
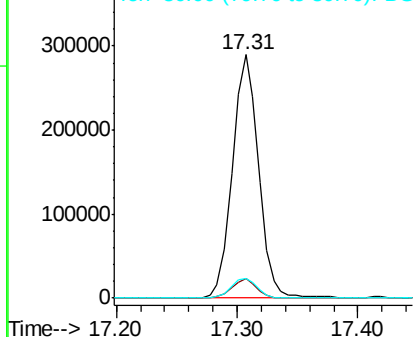
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.3	9.5
80	8.0	6.9	10.3

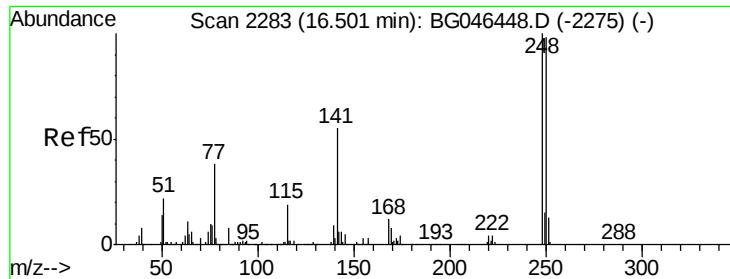


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

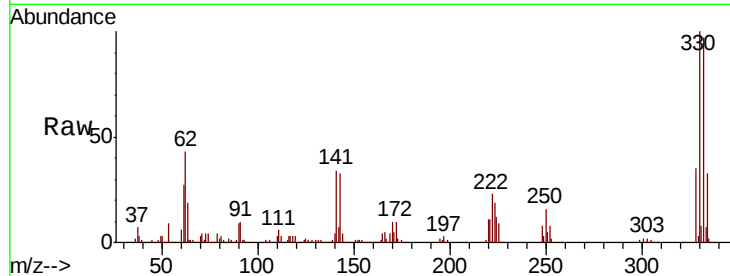




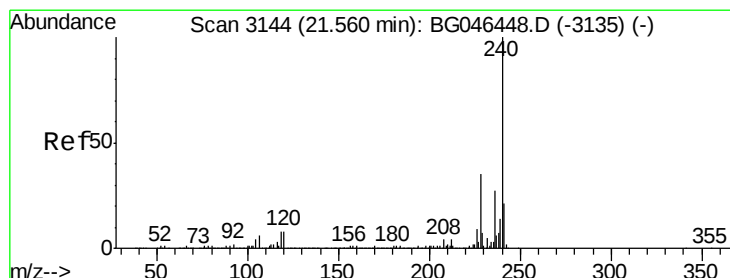
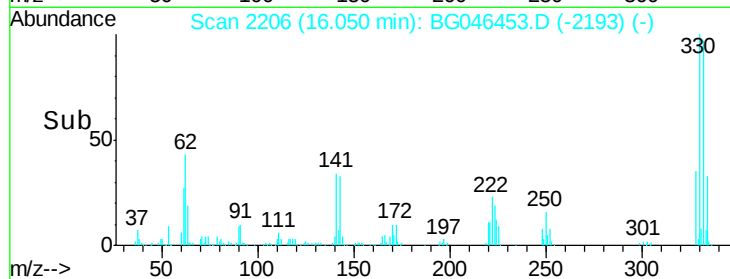
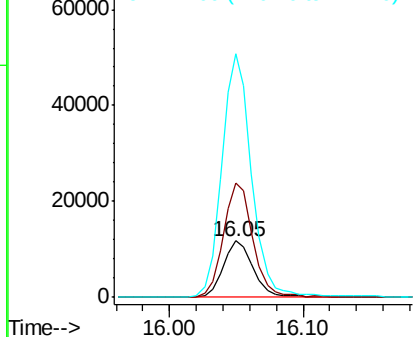
#67
 4-Bromophenyl-phenylether
 Concen: 3.660 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.45 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB131184BL

Tot Ion:248 Resp: 18656
 Ion Ratio Lower Upper
 248 100
 250 202.0 78.6 118.0#
 141 430.2 43.9 65.9#

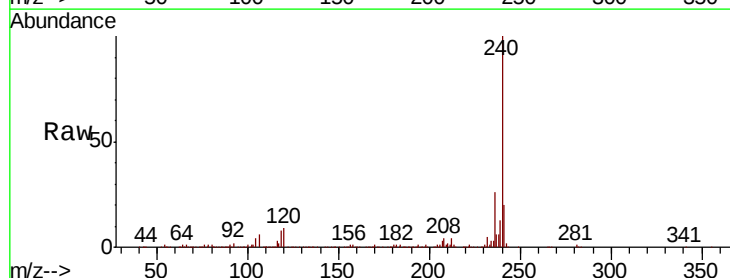


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

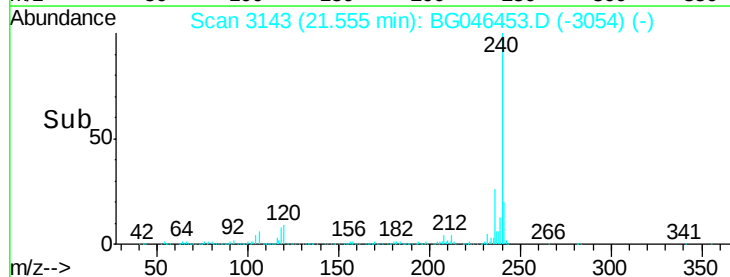
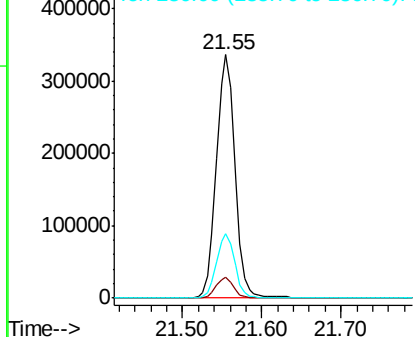


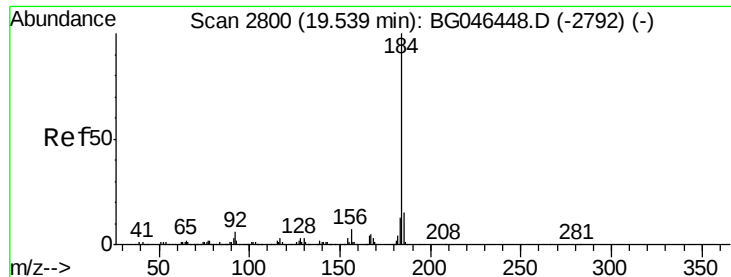
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BG046453.D
 Acq: 25 Aug 2020 18:11

Tgt Ion:240 Resp: 547087
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.6 10.0
 236 26.2 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: 2.146 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

Instrument :

BNA_G

ClientSampleId :

PB131184BL

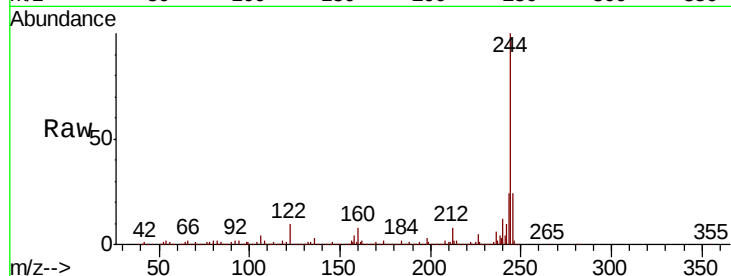
Tot Ion:184 Resp: 27280

Ion Ratio Lower Upper

184 100

185 18.2 11.8 17.8#

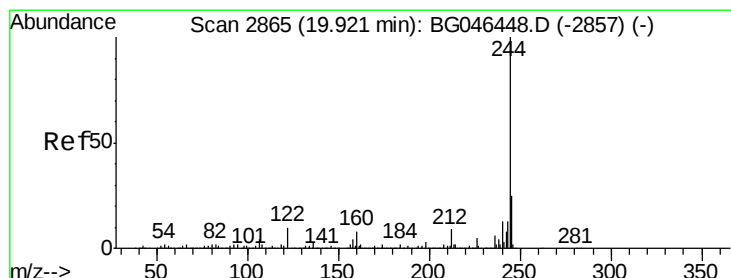
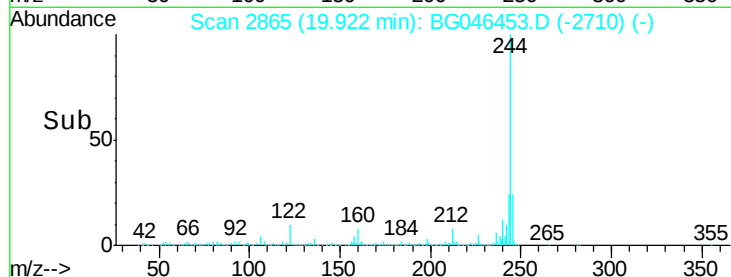
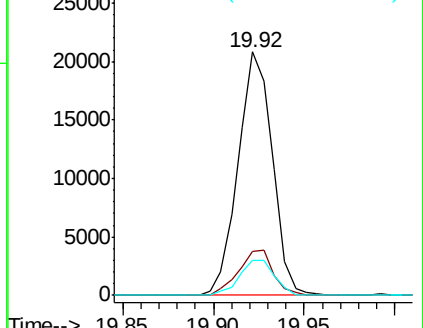
183 14.2 10.7 16.1



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: 69.186 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046453.D

Acq: 25 Aug 2020 18:11

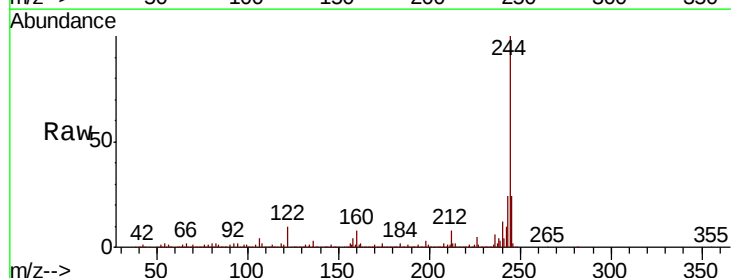
Tgt Ion:244 Resp: 1778552

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

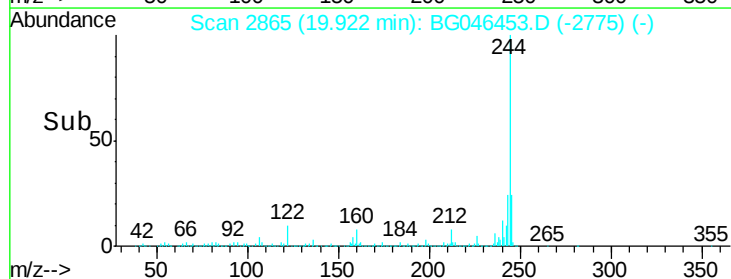
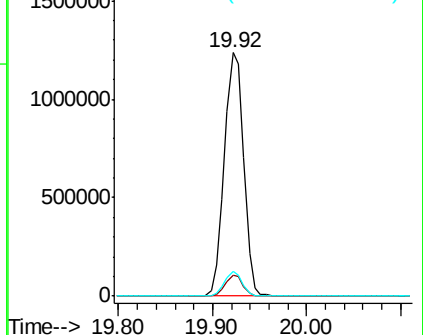
122 10.3 8.2 12.4

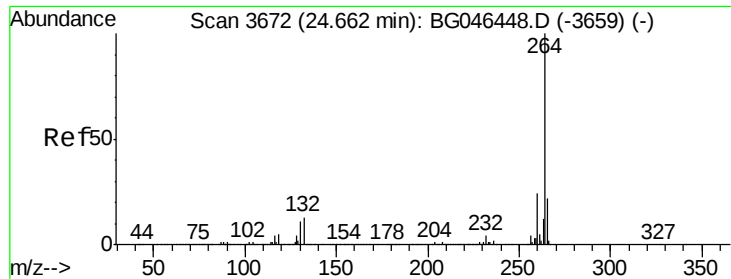


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG046453.D
Acq: 25 Aug 2020 18:11

Instrument :
BNA_G
ClientSampleId :
PB131184BL

Tot Ion:264 Resp: 550758
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.0 17.9 26.9

