

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\
 Data File : BG046457.D
 Acq On : 26 Aug 2020 17:10
 Operator : CG/JU
 Sample : PB131215TB
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131215TB

Quant Time: Aug 26 17:49:31 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

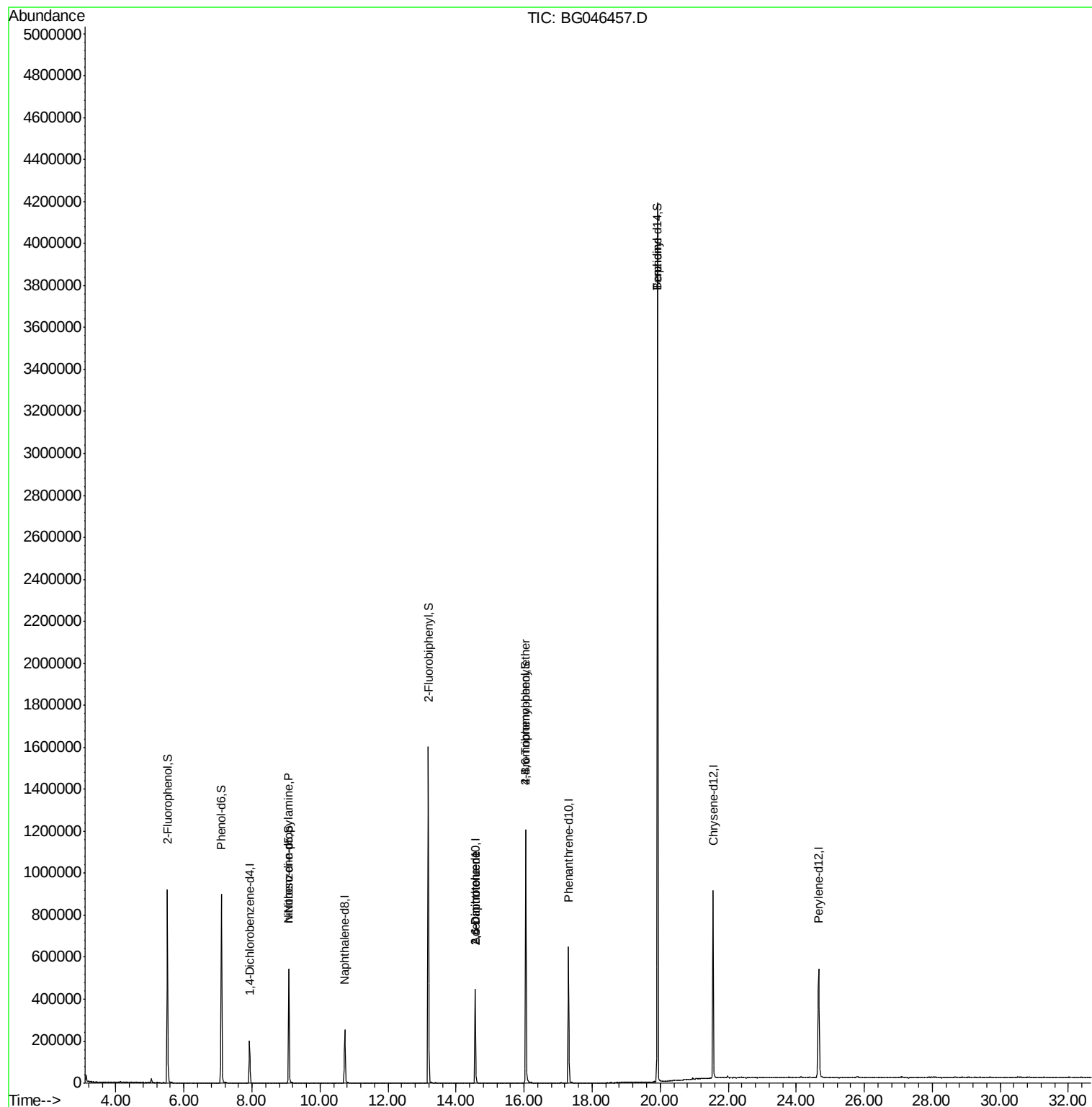
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	62859	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	252167	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	167356	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	436510	20.00	ng	0.00
76) Chrysene-d12	21.55	240	570800	20.00	ng	0.00
86) Perylene-d12	24.66	264	571046	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	435801	122.80	ng	0.00
7) Phenol-d6	7.10	99	555275	110.37	ng	0.00
23) Nitrobenzene-d5	9.08	82	353510	80.13	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	249085	109.85	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	920205	83.94	ng	0.00
79) Terphenyl-d14	19.92	244	1829929	68.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	43745	14.536	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	22522	7.891	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	22522	5.534	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	19177	3.766	ng	# 1
77) Benzidine	19.92	184	28197	2.126	ng	# 91

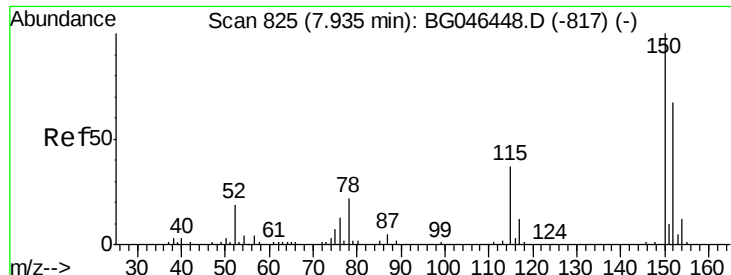
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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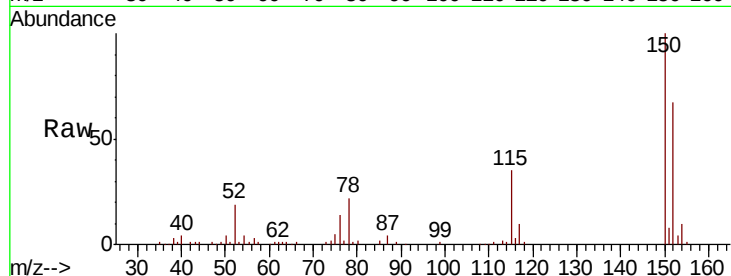


#1

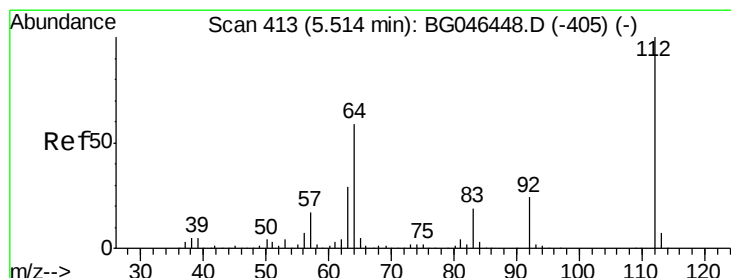
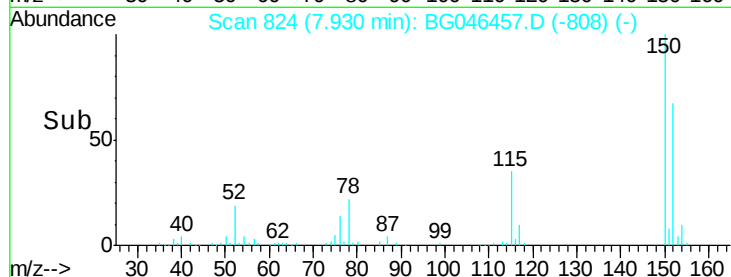
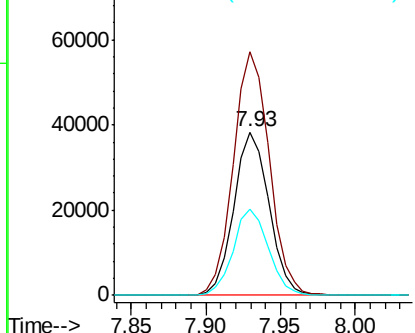
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Instrument :
BNA_G
ClientSampleId :
PB131215TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	119.5	179.3
115	52.5	44.3	66.5



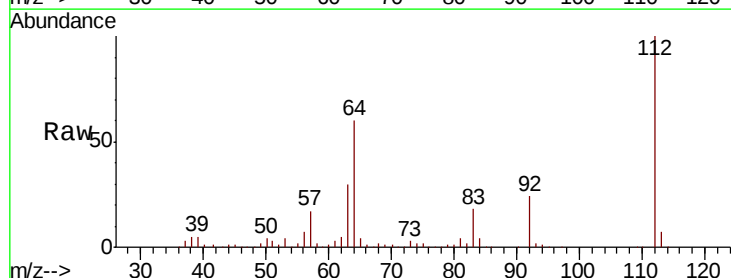
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



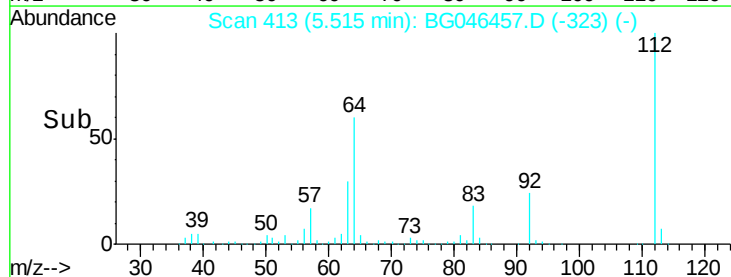
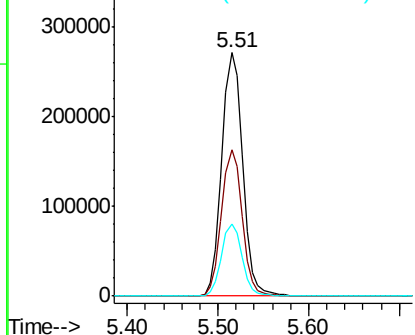
#5

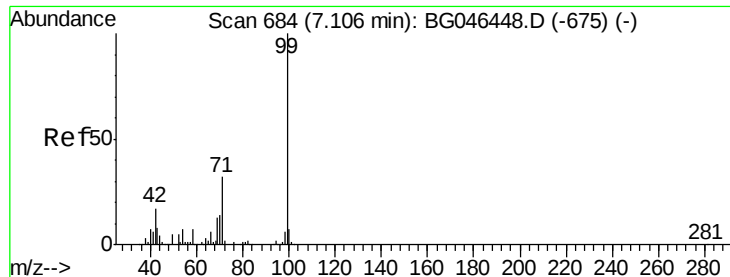
2-Fluorophenol
Concen: 122.796 ng
RT: 5.51 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.0	70.6
63	29.7	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: 110.370 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

Instrument :

BNA_G

ClientSampleId :

PB131215TB

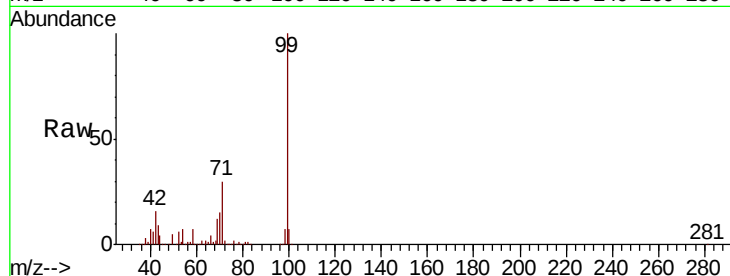
Tot Ion: 99 Resp: 555275

Ion Ratio Lower Upper

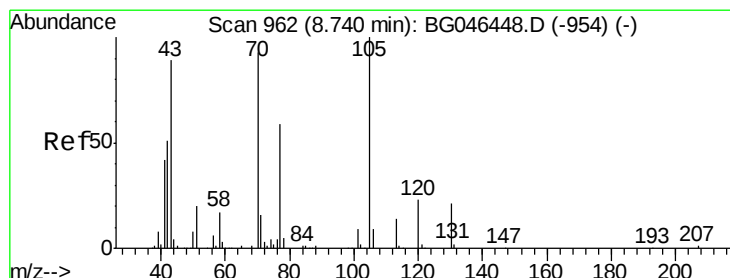
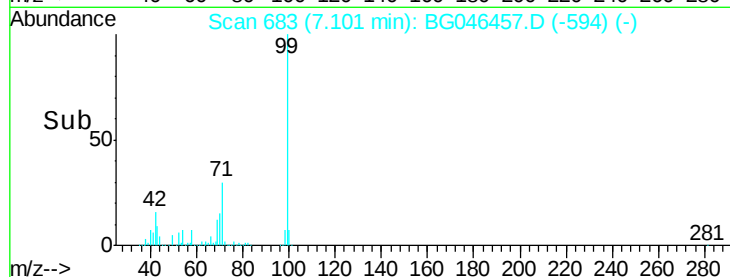
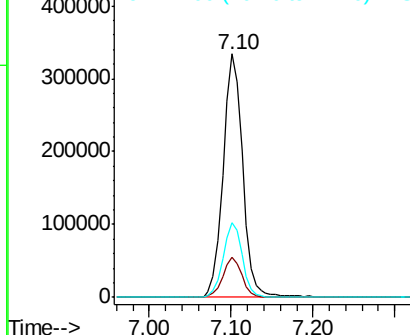
99 100

42 16.3 13.3 19.9

71 30.5 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: 14.536 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

Tgt Ion: 70 Resp: 43745

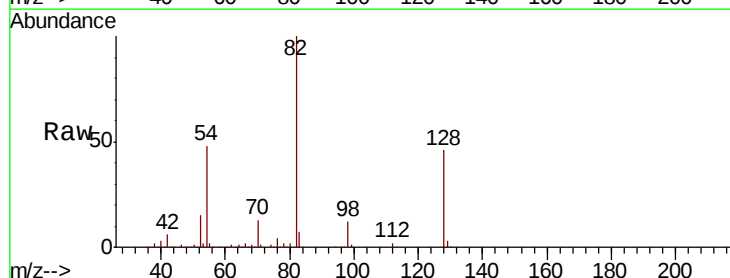
Ion Ratio Lower Upper

70 100

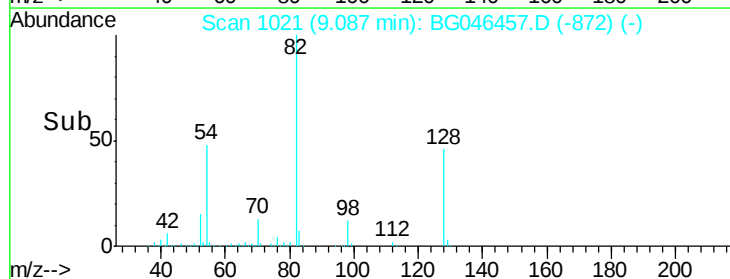
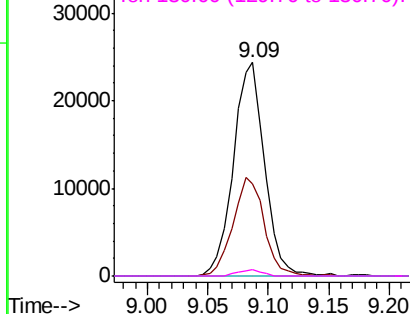
42 43.4 44.2 66.2#

101 0.0 7.8 11.8#

130 3.0 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

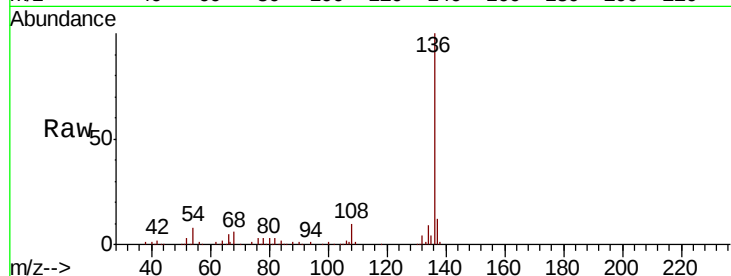




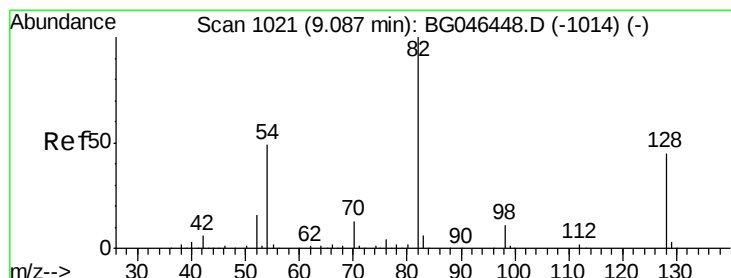
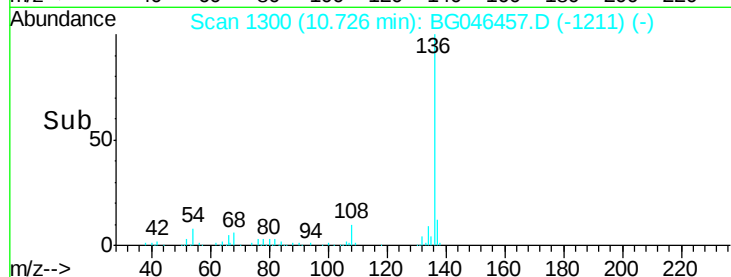
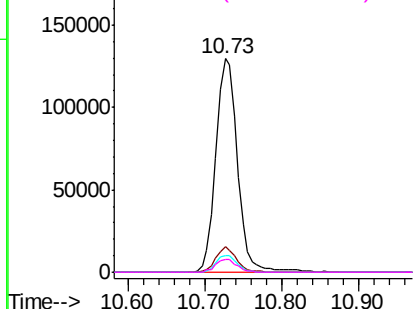
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Instrument :
BNA_G
ClientSampleId :
PB131215TB

Tot Ion:136	Resp:	252167
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.8	13.2
54 8.0	6.1	9.1
68 5.8	4.8	7.2

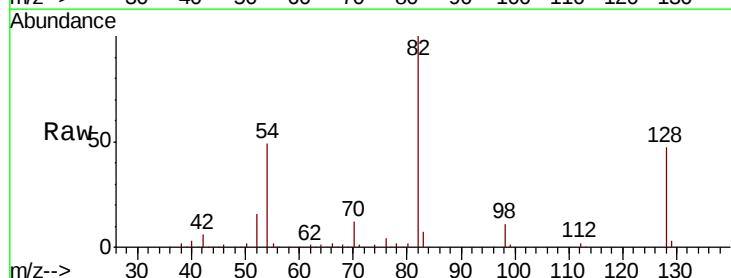


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

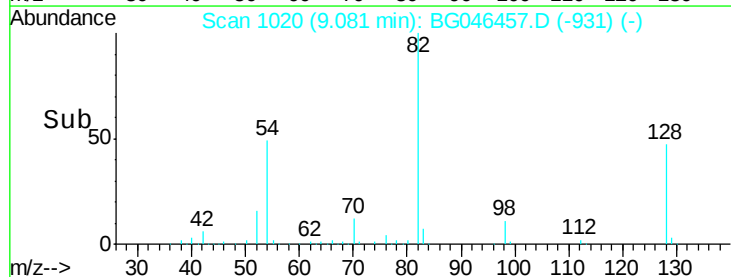
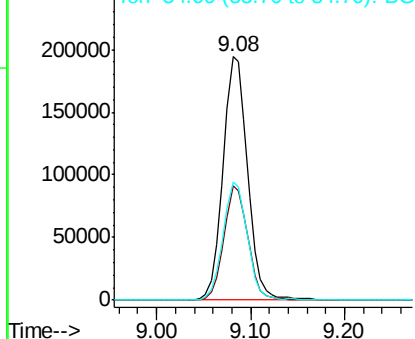


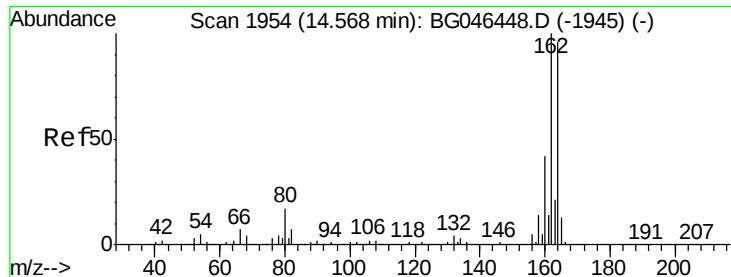
#23
Nitrobenzene-d5
Concen: 80.125 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Tgt Ion: 82	Resp: 353510
Ion Ratio	Lower Upper
82 100	
128 46.8	35.7 53.5
54 48.5	39.4 59.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
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: 14.56 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

Instrument :

BNA_G

ClientSampleId :

PB131215TB

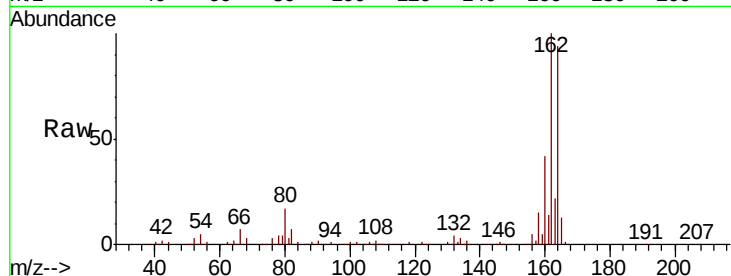
Tot Ion:164 Resp: 167356

Ion Ratio Lower Upper

164 100

162 106.9 83.3 124.9

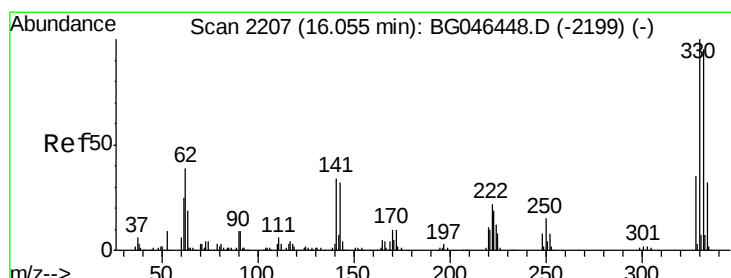
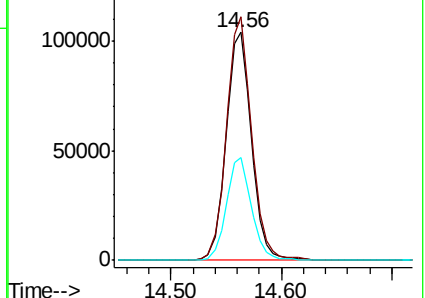
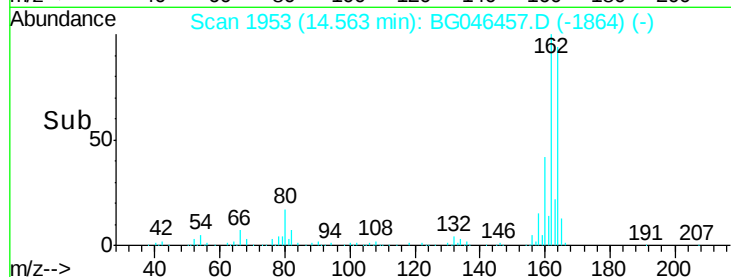
160 45.4 35.0 52.6



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: 109.847 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

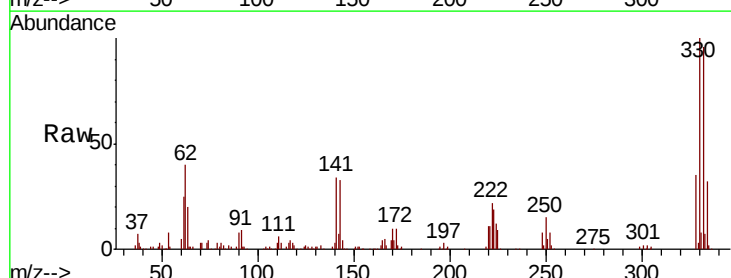
Tgt Ion:330 Resp: 249085

Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

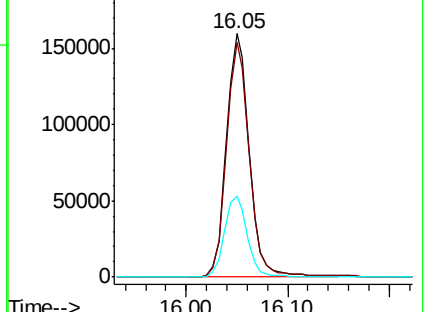
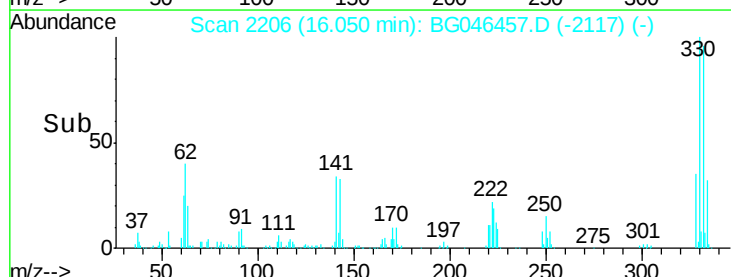
141 33.7 26.1 39.1

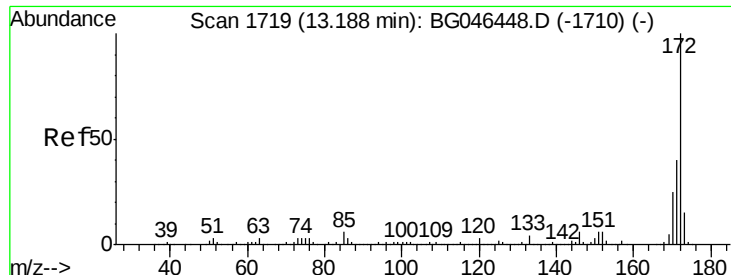


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

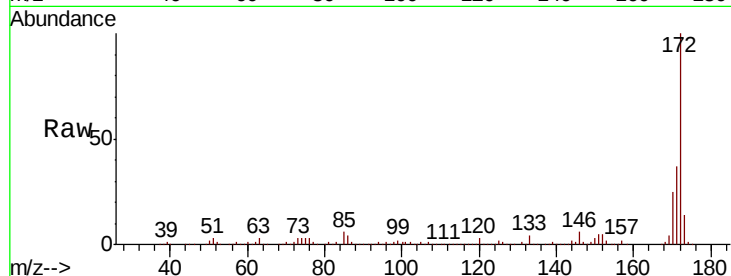




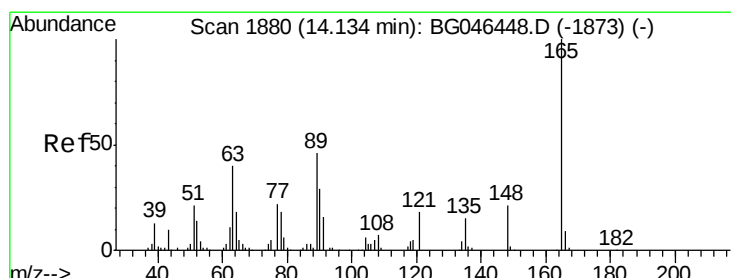
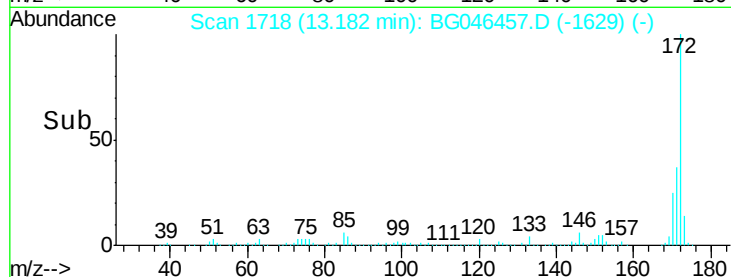
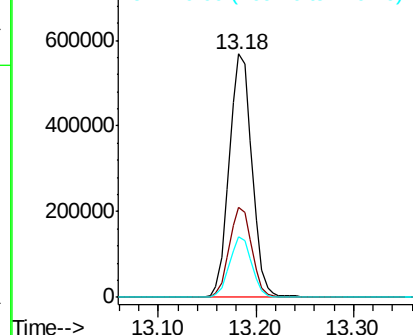
#45
 2-Fluorobiphenyl
 Concen: 83.938 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG046457.D
 Acq: 26 Aug 2020 17:10

Instrument :
 BNA_G
 ClientSampleId :
 PB131215TB

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.8	47.6
170	24.9	20.3	30.5

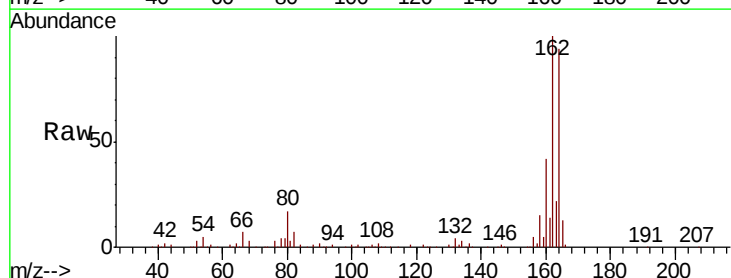


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

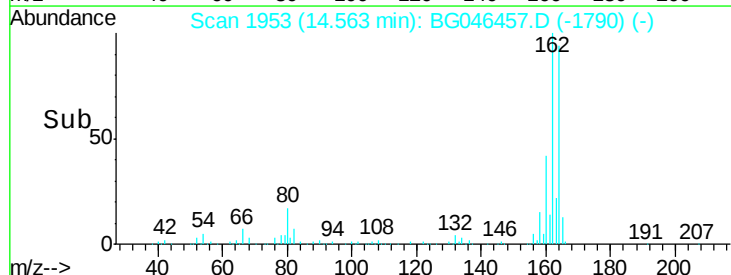
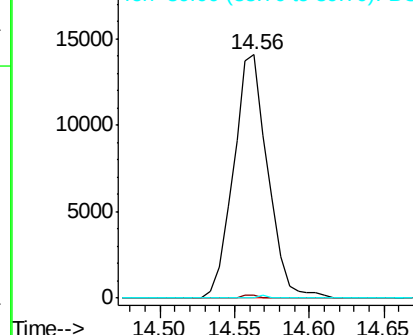


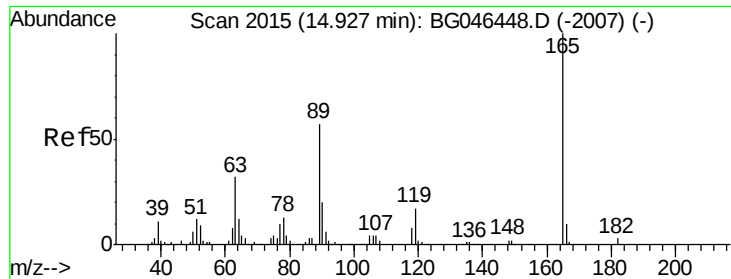
#51
 2,6-Dinitrotoluene
 Concen: 7.891 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046457.D
 Acq: 26 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.2	51.4#
89	0.0	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

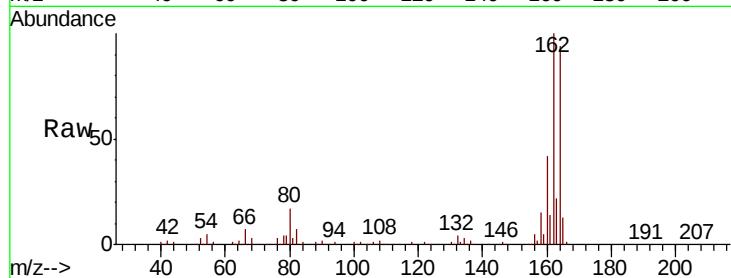




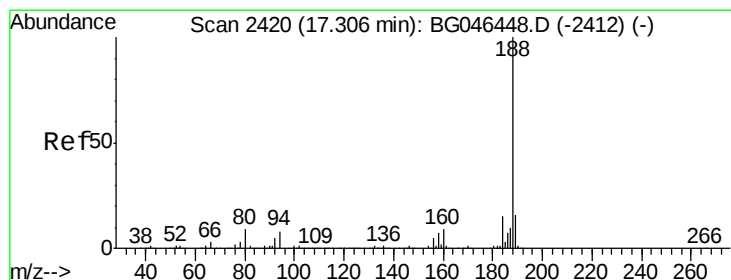
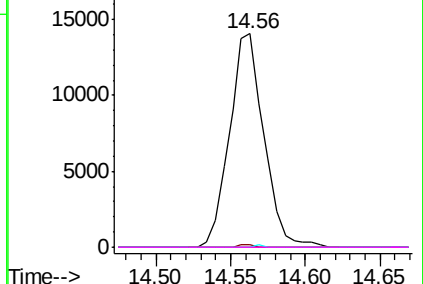
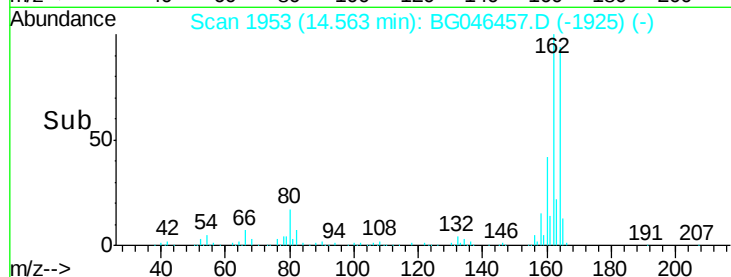
#57
 2,4-Dinitrotoluene
 Concen: 5.534 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046457.D
 Acq: 26 Aug 2020 17:10

Instrument :
 BNA_G
 ClientSampleId :
 PB131215TB

Tot Ion:165 Resp: 22522
 Ion Ratio Lower Upper
 165 100
 63 1.2 25.4 38.0#
 89 0.0 45.9 68.9#
 182 0.0 2.3 3.5#

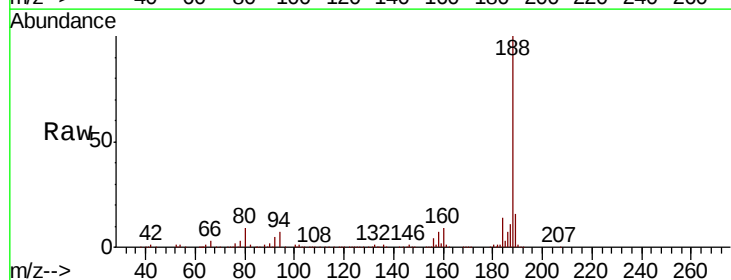


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

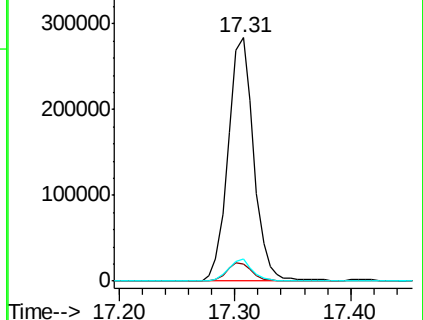
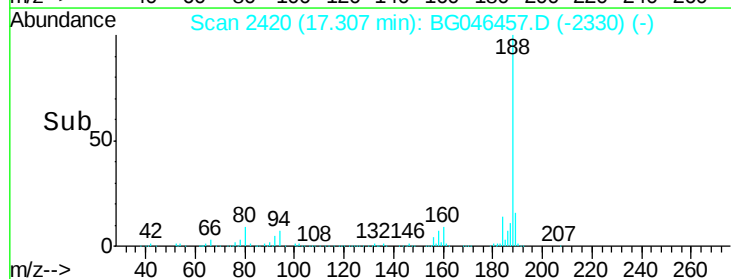


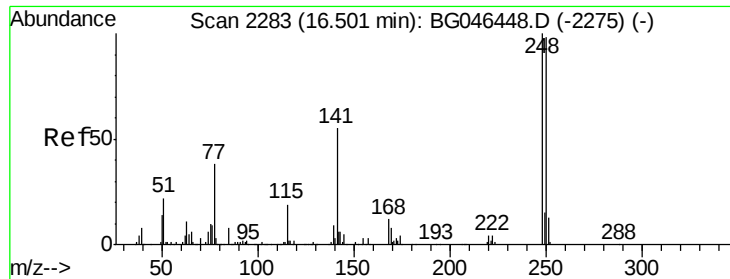
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BG046457.D
 Acq: 26 Aug 2020 17:10

Tgt Ion:188 Resp: 436510
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.3 9.5
 80 8.9 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

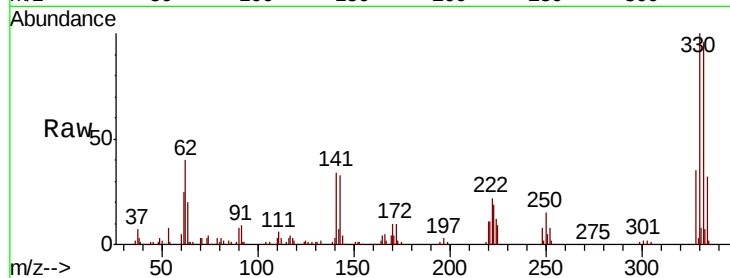




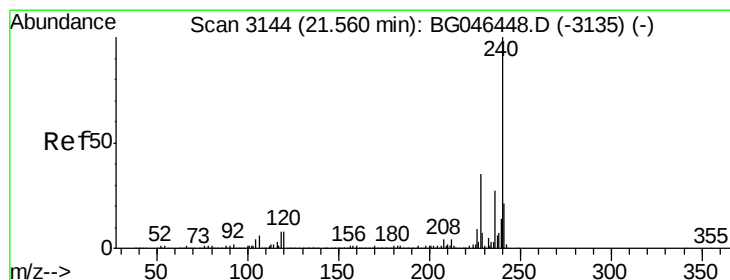
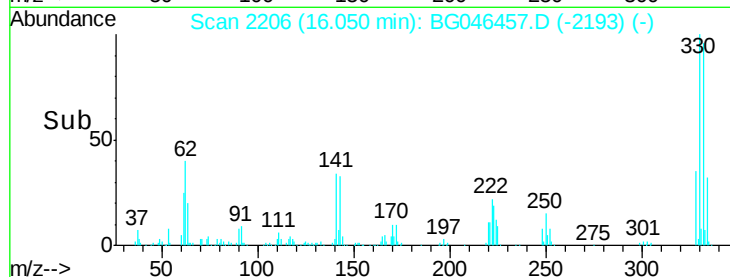
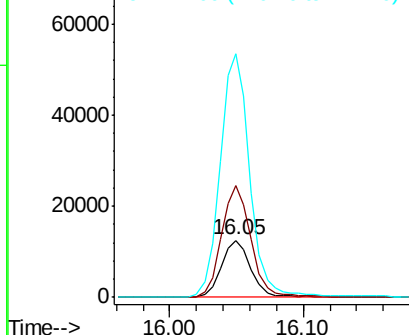
#67
4-Bromophenyl-phenylether
Concen: 3.766 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Instrument :
BNA_G
ClientSampleId :
PB131215TB

Tot Ion:248 Resp: 19177
Ion Ratio Lower Upper
248 100
250 197.6 78.6 118.0#
141 428.8 43.9 65.9#

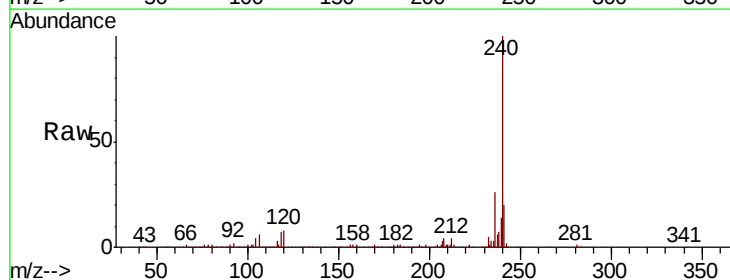


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

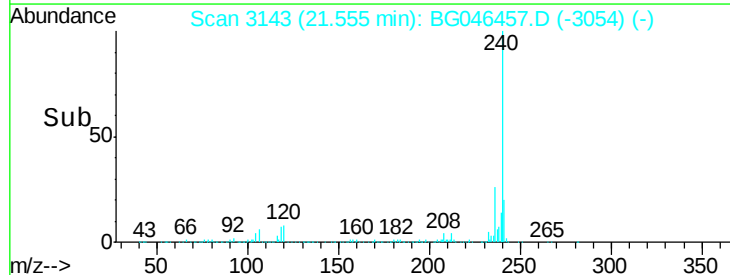
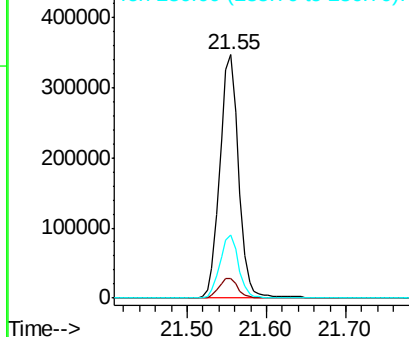


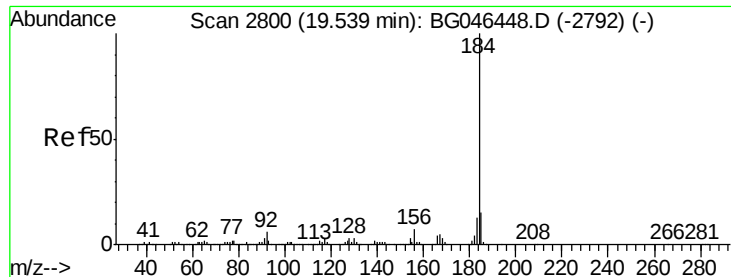
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG046457.D
Acq: 26 Aug 2020 17:10

Tgt Ion:240 Resp: 570800
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 25.8 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: 2.126 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

Instrument :

BNA_G

ClientSampleId :

PB131215TB

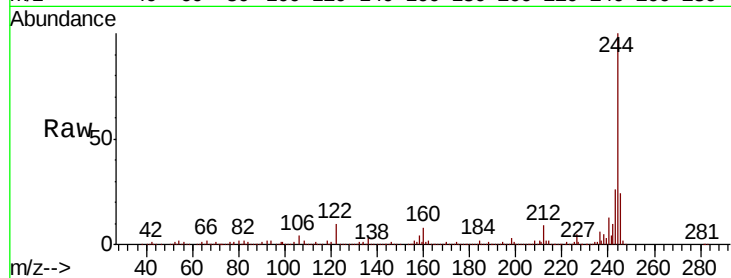
Tot Ion:184 Resp: 28197

Ion Ratio Lower Upper

184 100

185 19.5 11.8 17.8#

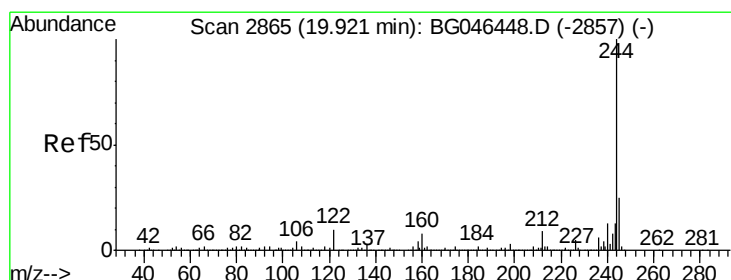
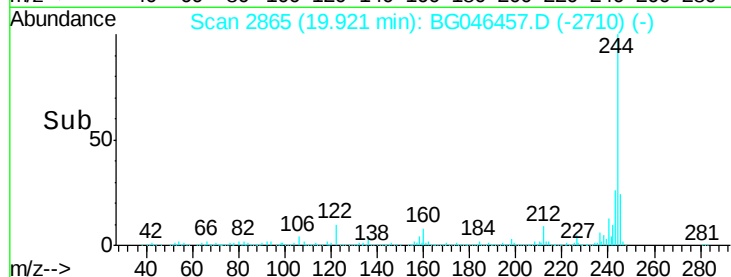
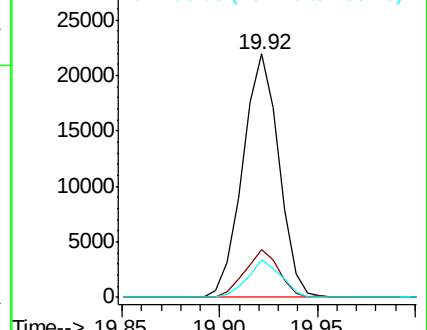
183 15.6 10.7 16.1



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: 68.227 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046457.D

Acq: 26 Aug 2020 17:10

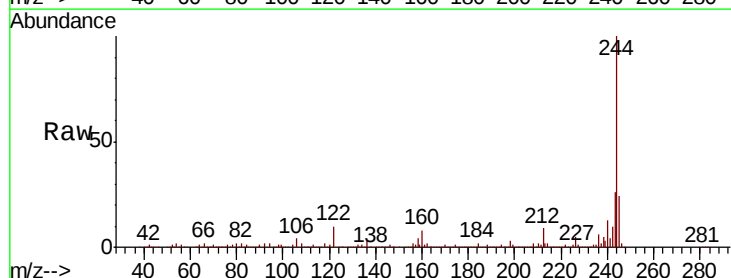
Tgt Ion:244 Resp: 1829929

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

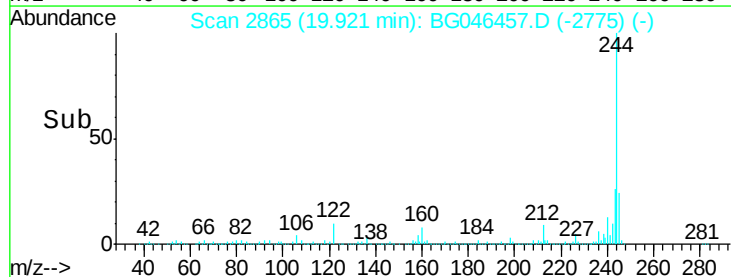
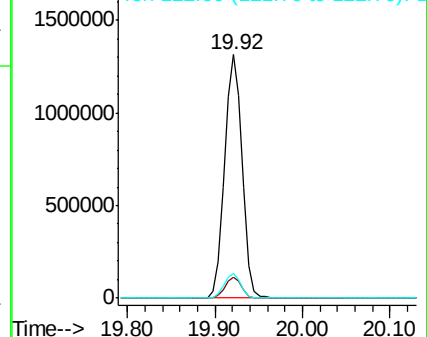
122 10.0 8.2 12.4

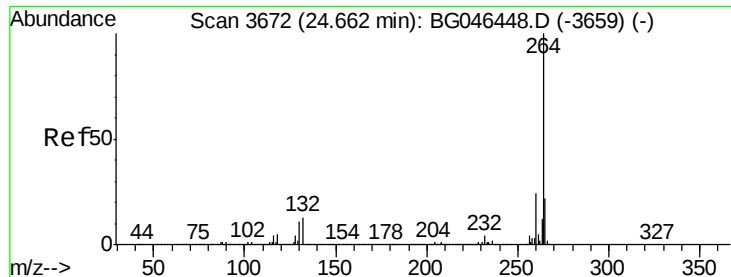


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046457.D
Acq: 26 Aug 2020 17:10

Instrument :
BNA_G
ClientSampleId :
PB131215TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.9	26.9

