

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046122.D
 Acq On : 31 Jul 2020 12:40
 Operator : CG/JU
 Sample : PB130584BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130584BL

Quant Time: Jul 31 13:57:40 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

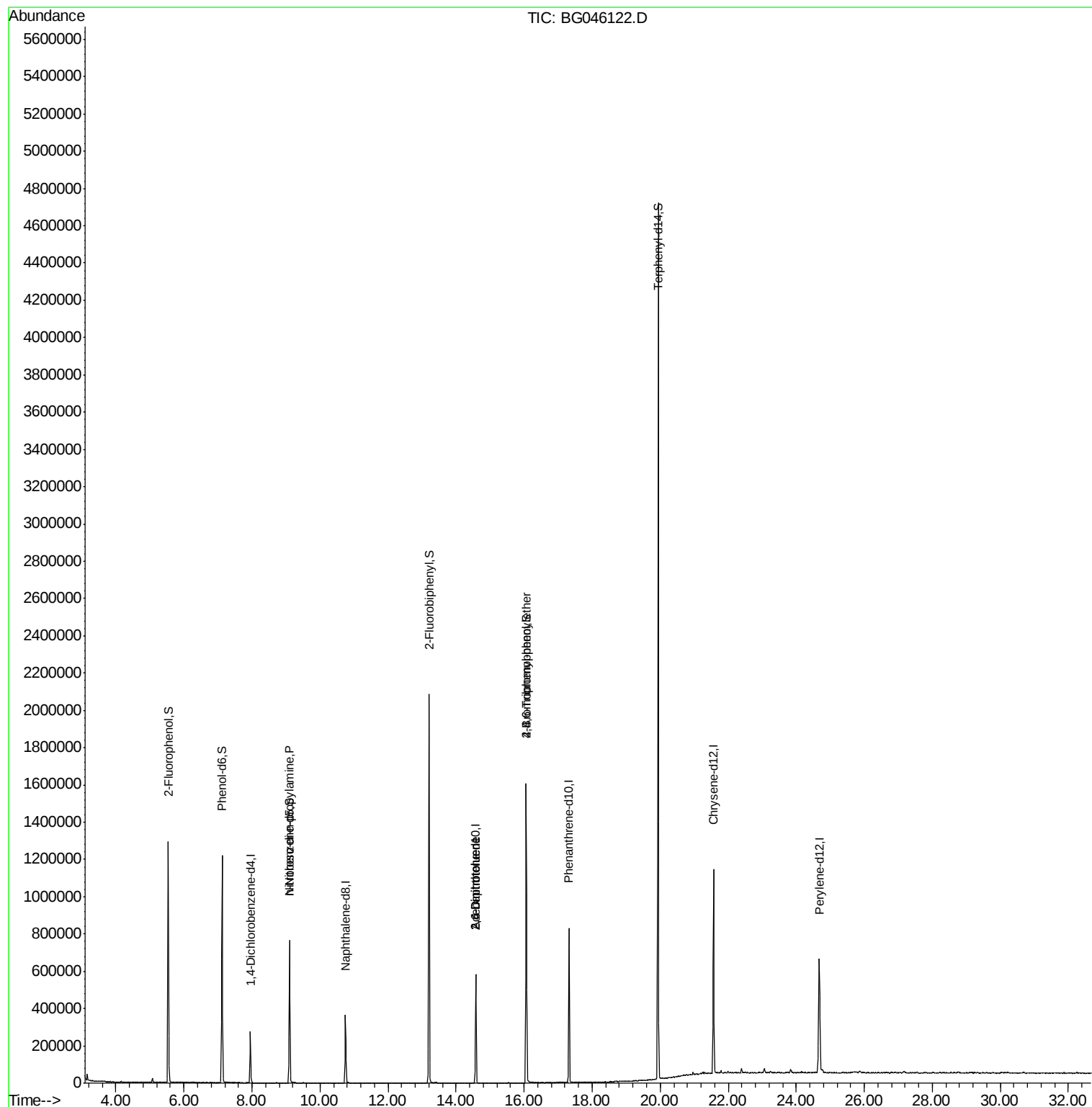
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	82640	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	321044	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	207584	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	510229	20.00	ng	0.00
76) Chrysene-d12	21.57	240	660218	20.00	ng	0.00
86) Perylene-d12	24.67	264	649431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	562550	118.33	ng	0.00
7) Phenol-d6	7.12	99	710745	109.70	ng	0.00
23) Nitrobenzene-d5	9.10	82	470102	79.28	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	341404	107.08	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1110479	77.71	ng	0.00
79) Terphenyl-d14	19.94	244	2066222	63.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	60345	14.311	ng	# 76
51) 2,6-Dinitrotoluene	14.58	165	27721	7.476	ng	# 29
57) 2,4-Dinitrotoluene	14.58	165	27721	5.437	ng	# 29
67) 4-Bromophenyl-phenylether	16.06	248	20813	3.302	ng	# 1

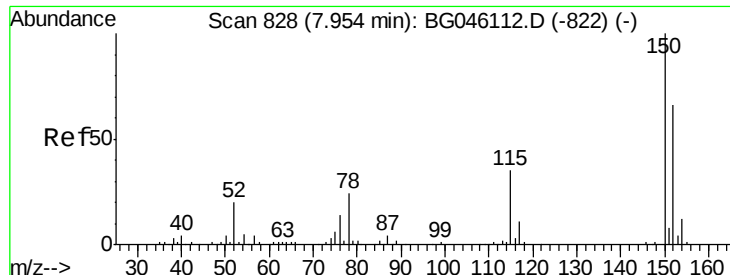
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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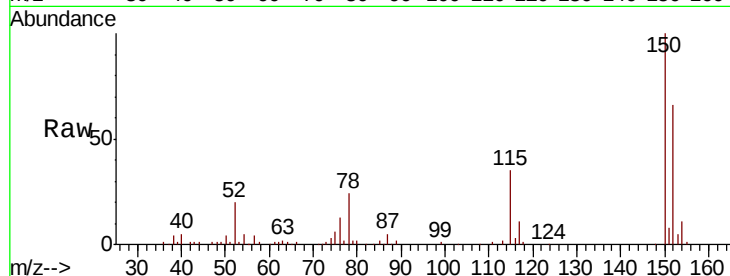


#1

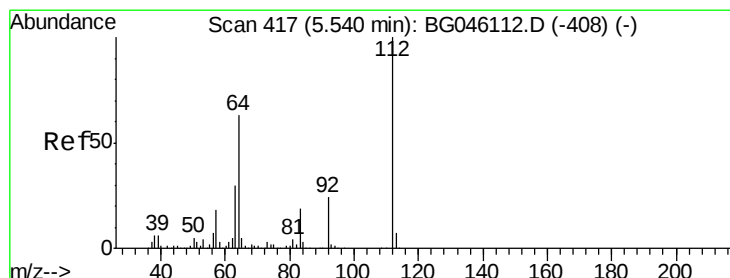
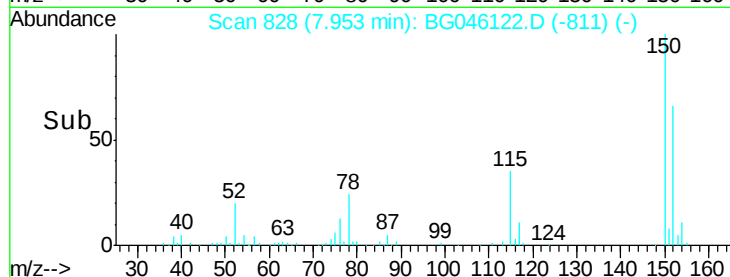
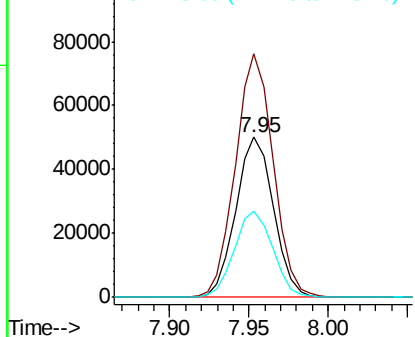
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046122.D
Acq: 31 Jul 2020 12:40

Instrument :
BNA_G
ClientSampleId :
PB130584BL

Tot Ion:152 Resp: 82640
Ion Ratio Lower Upper
152 100
150 152.0 122.1 183.1
115 53.5 43.2 64.8



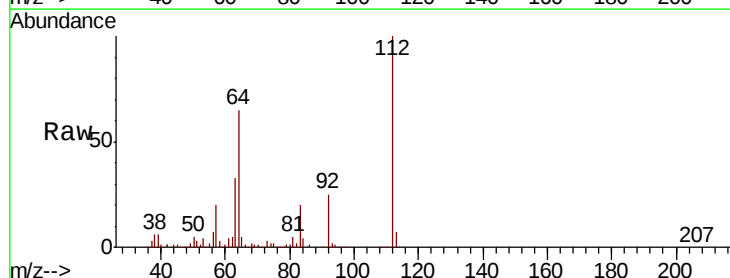
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



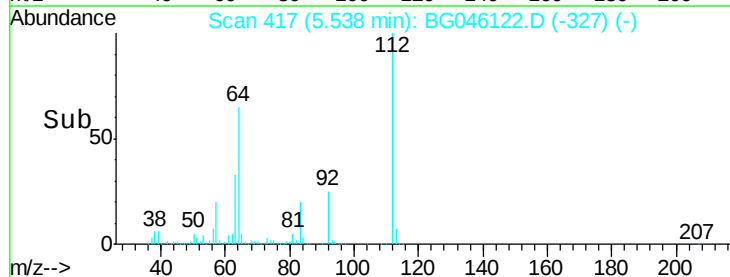
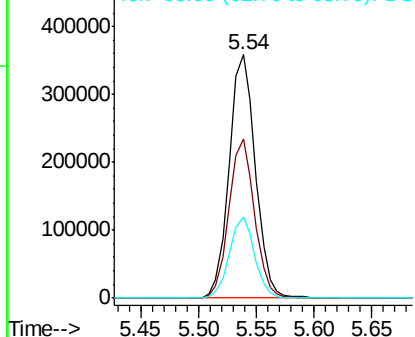
#5

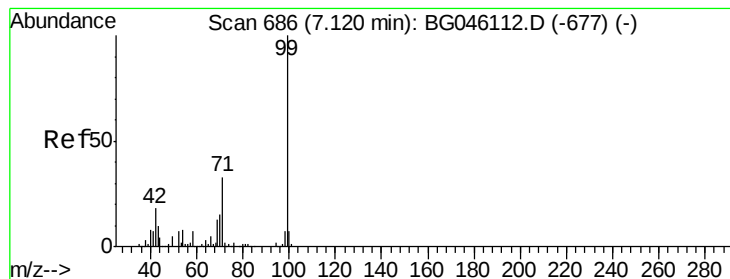
2-Fluorophenol
Concen: 118.335 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046122.D
Acq: 31 Jul 2020 12:40

Tgt Ion:112 Resp: 562550
Ion Ratio Lower Upper
112 100
64 65.3 50.2 75.2
63 33.4 24.2 36.4



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





#7

Phenol-d6

Concen: 109.702 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

Instrument :

BNA_G

ClientSampleId :

PB130584BL

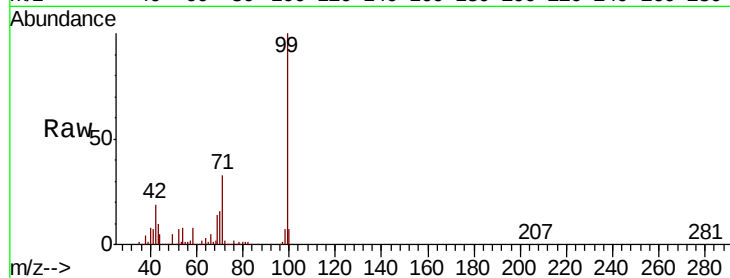
Tot Ion: 99 Resp: 710745

Ion Ratio Lower Upper

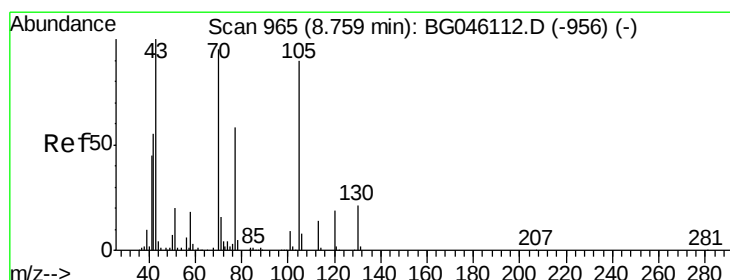
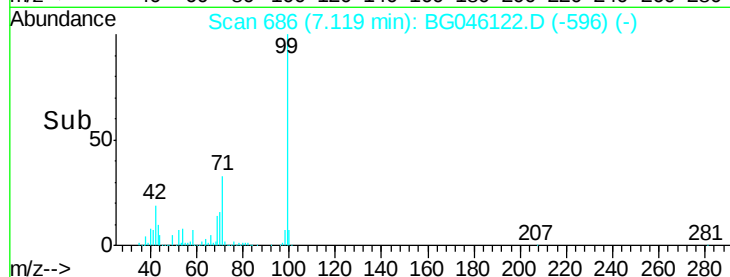
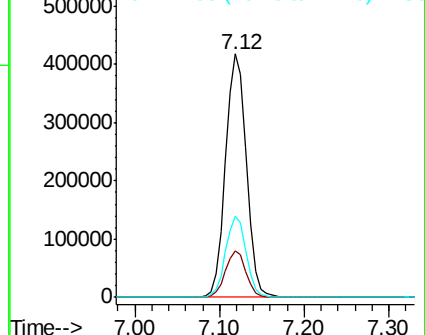
99 100

42 19.3 14.7 22.1

71 33.1 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: 14.311 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

Tgt Ion: 70 Resp: 60345

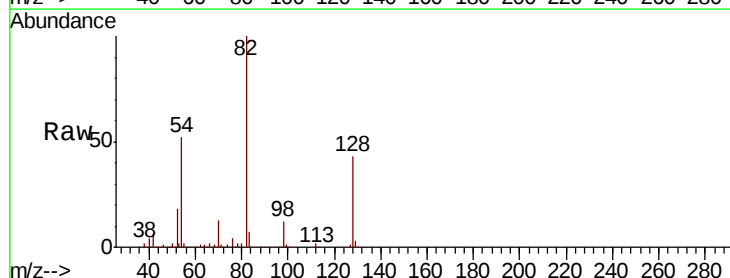
Ion Ratio Lower Upper

70 100

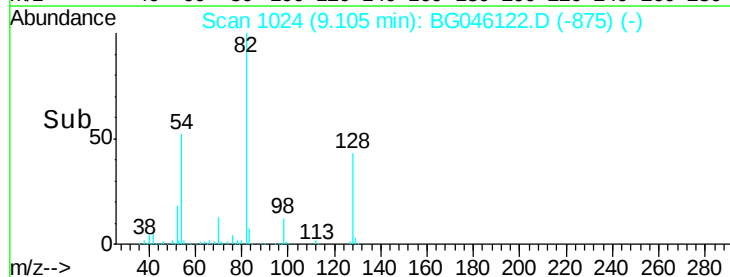
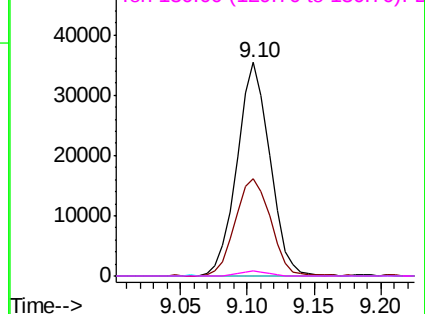
42 45.5 46.5 69.7#

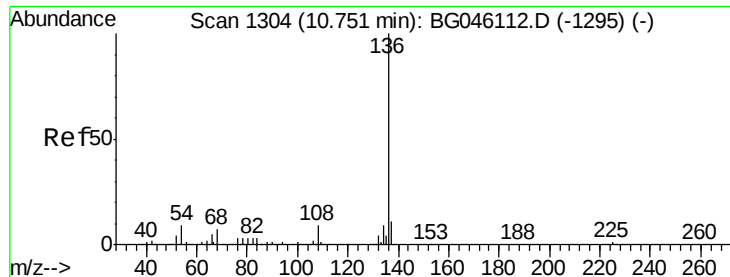
101 0.0 7.6 11.4#

130 2.6 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: 10.75 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

Instrument :

BNA_G

ClientSampleId :

PB130584BL

Tot Ion:136 Resp: 321044

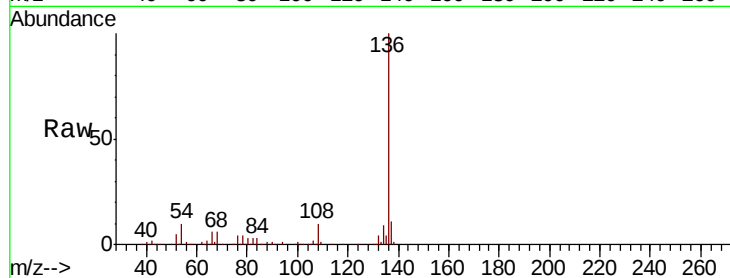
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.7 7.0 10.4

68 6.2 5.3 7.9

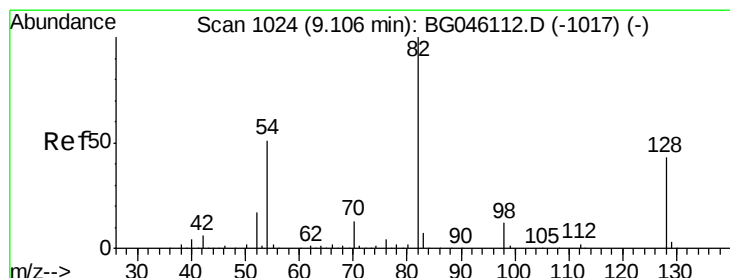
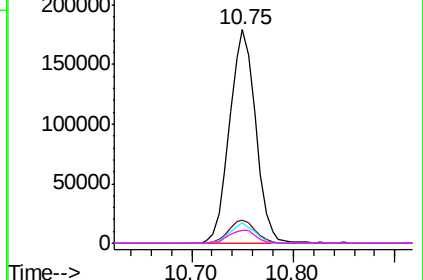
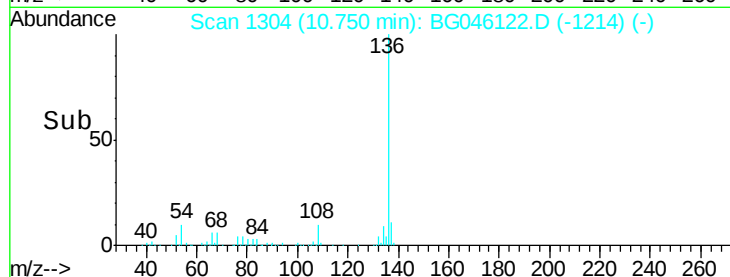


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.281 ng

RT: 9.10 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

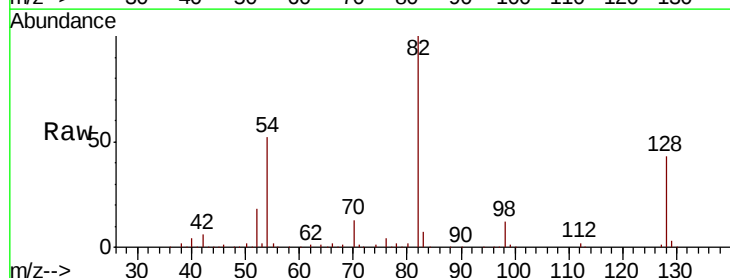
Tgt Ion: 82 Resp: 470102

Ion Ratio Lower Upper

82 100

128 42.7 34.4 51.6

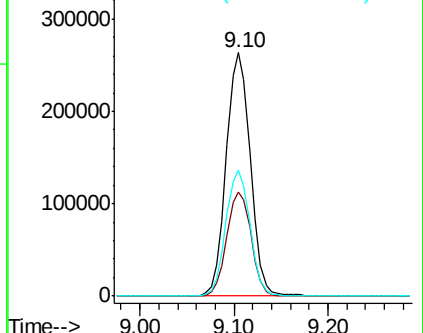
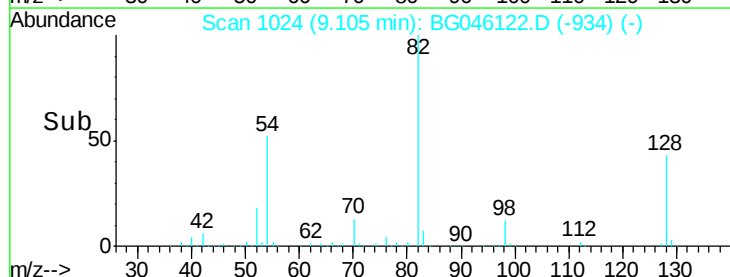
54 51.9 40.8 61.2

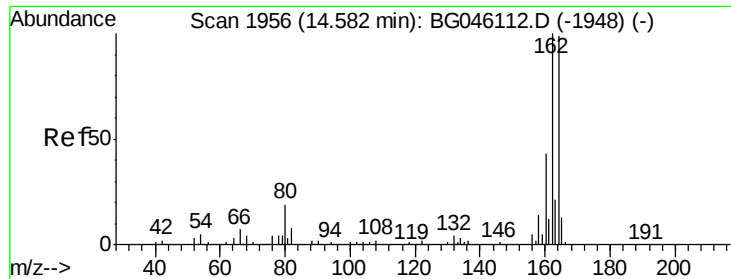


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.58 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

Instrument :

BNA_G

ClientSampleId :

PB130584BL

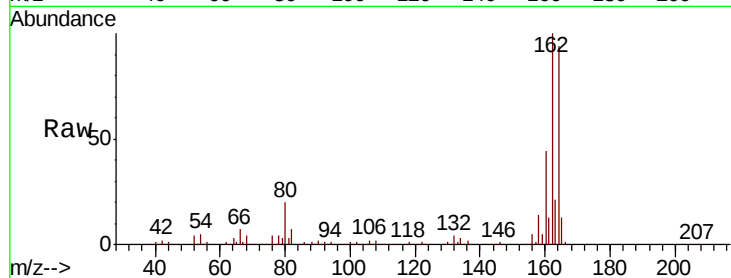
Tot Ion:164 Resp: 207584

Ion Ratio Lower Upper

164 100

162 106.0 80.6 121.0

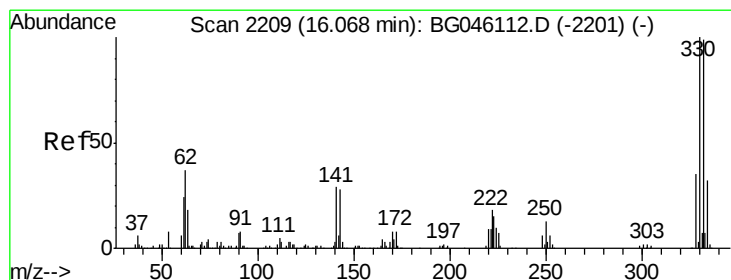
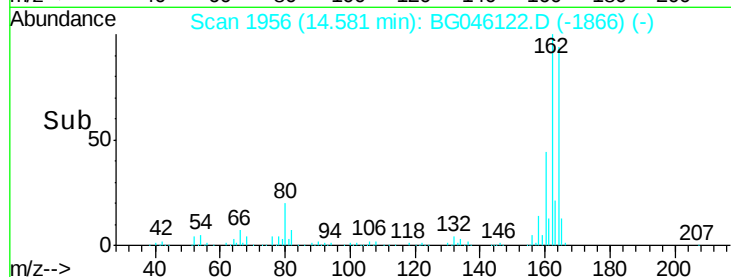
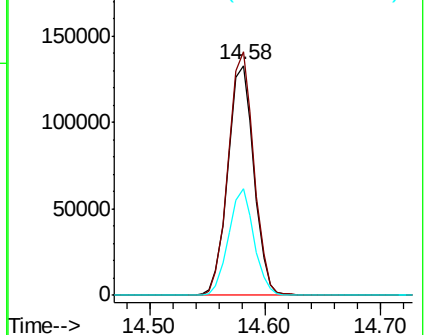
160 46.3 34.9 52.3



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: 107.075 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

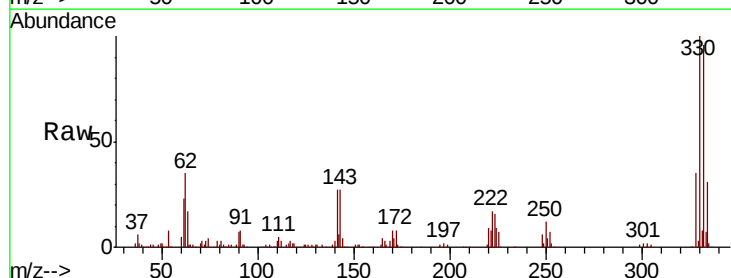
Tgt Ion:330 Resp: 341404

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

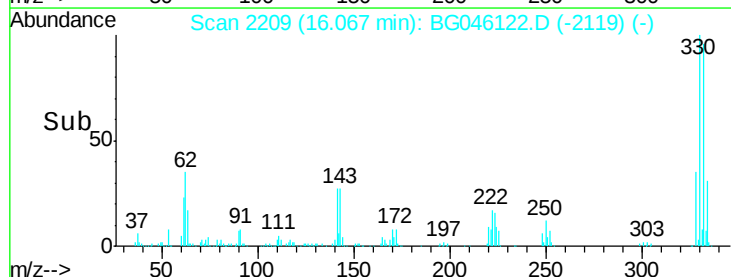
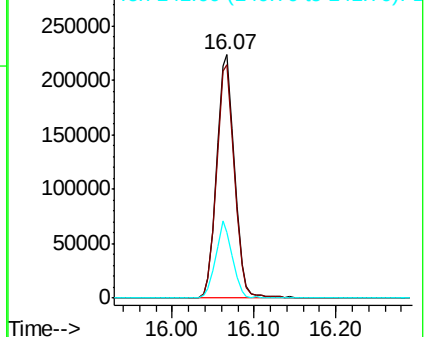
141 29.6 23.4 35.0

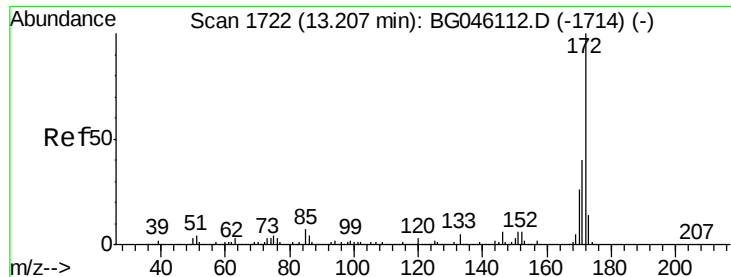


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

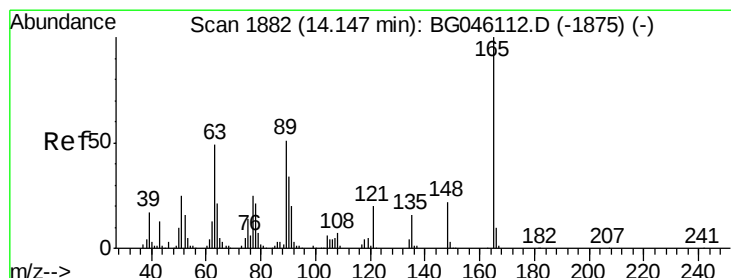
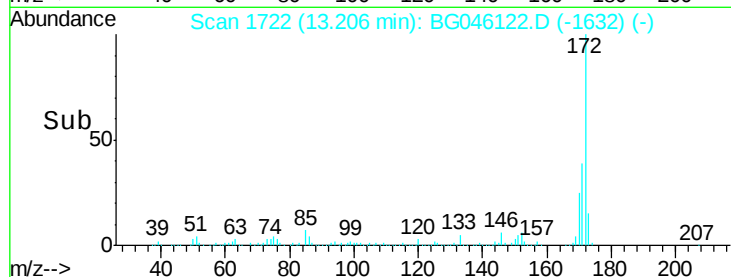
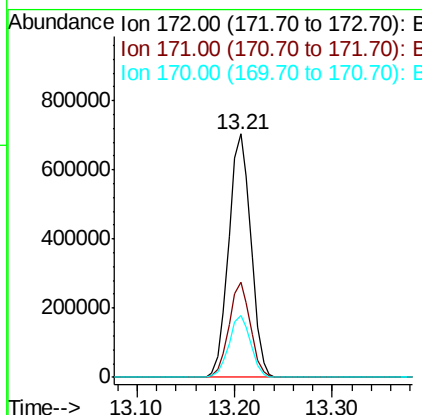
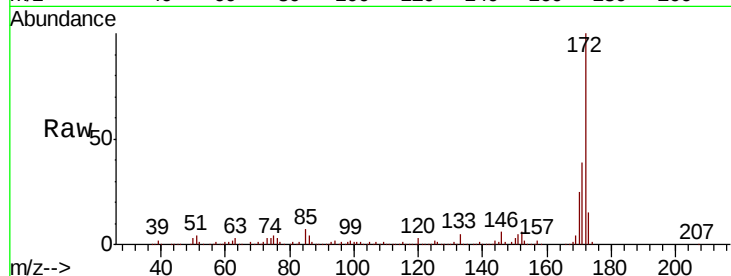




#45
2-Fluorobiphenyl
Concen: 77.709 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BG046122.D
Acq: 31 Jul 2020 12:40

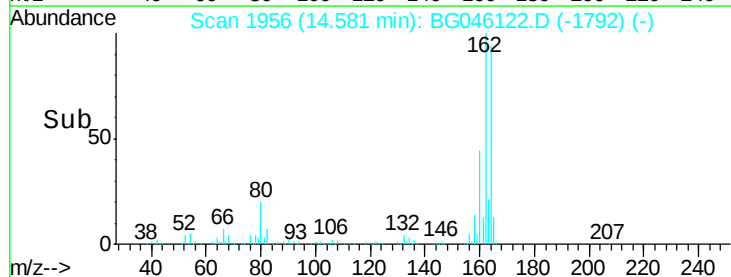
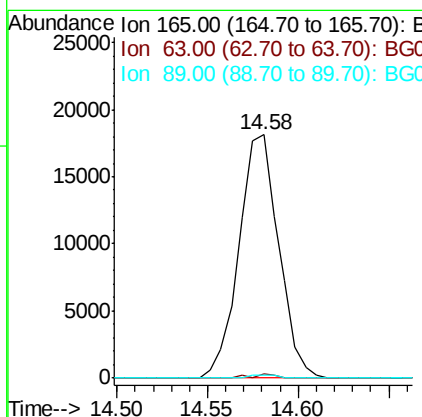
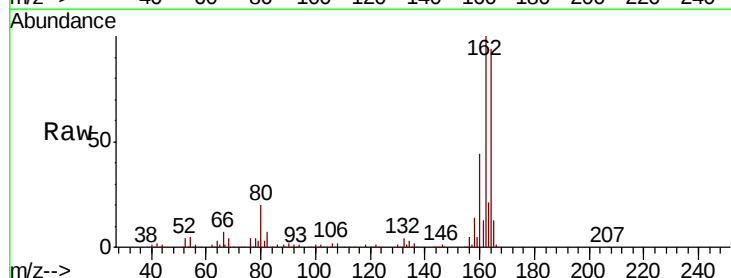
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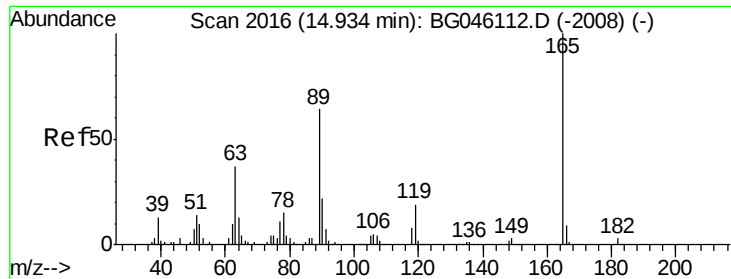
Tot Ion:172 Resp: 1110479
Ion Ratio Lower Upper
172 100
171 39.0 31.7 47.5
170 25.3 20.9 31.3



#51
2,6-Dinitrotoluene
Concen: 7.476 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.43 min
Lab File: BG046122.D
Acq: 31 Jul 2020 12:40

Tgt Ion:165 Resp: 27721
Ion Ratio Lower Upper
165 100
63 1.6 39.7 59.5#
89 1.4 41.0 61.6#

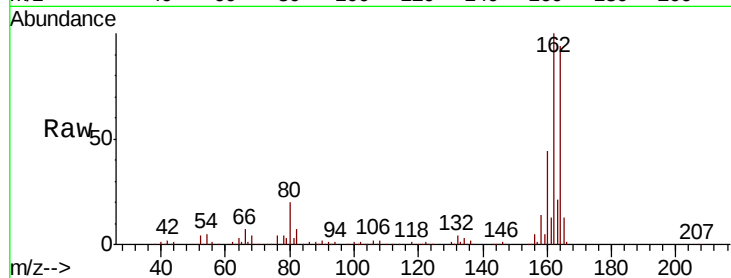




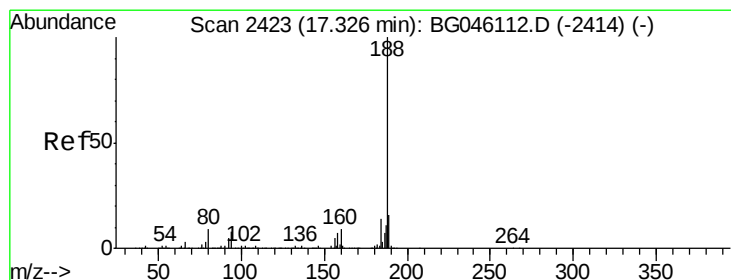
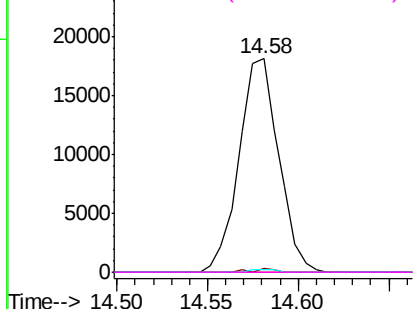
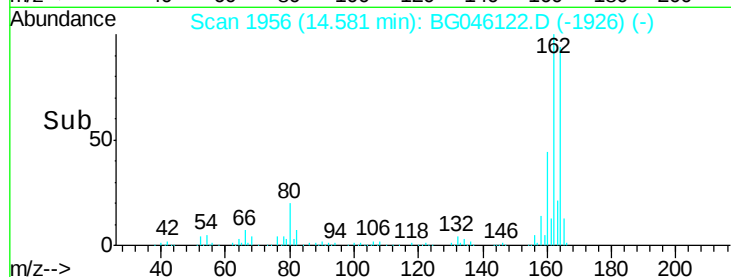
#57
 2,4-Dinitrotoluene
 Concen: 5.437 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.35 min
 Lab File: BG046122.D
 Acq: 31 Jul 2020 12:40

Instrument :
 BNA_G
 ClientSampleId :
 PB130584BL

Tot Ion:165 Resp: 27721
 Ion Ratio Lower Upper
 165 100
 63 1.6 30.1 45.1#
 89 1.4 51.4 77.2#
 182 0.0 2.3 3.5#

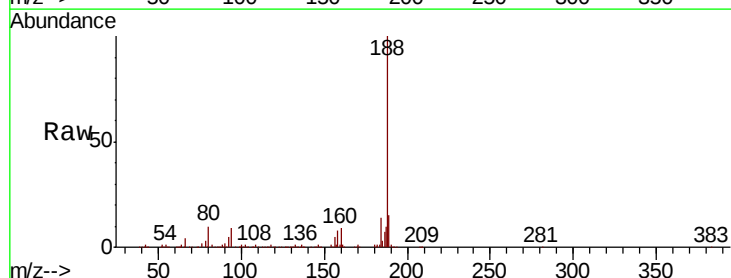


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

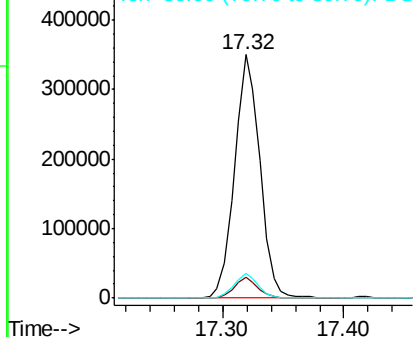
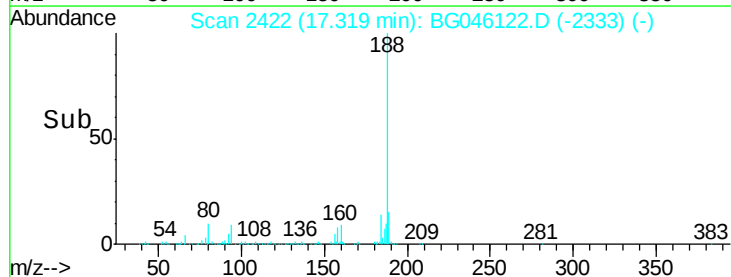


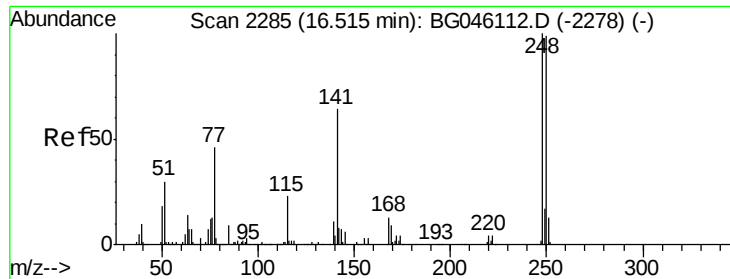
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046122.D
 Acq: 31 Jul 2020 12:40

Tgt Ion:188 Resp: 510229
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.4 9.6
 80 9.9 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

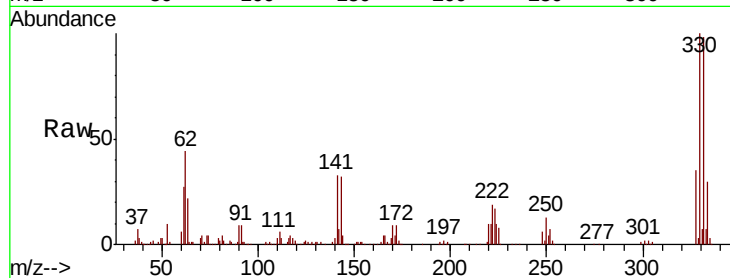




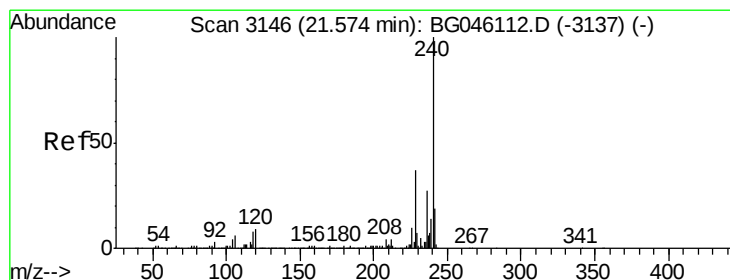
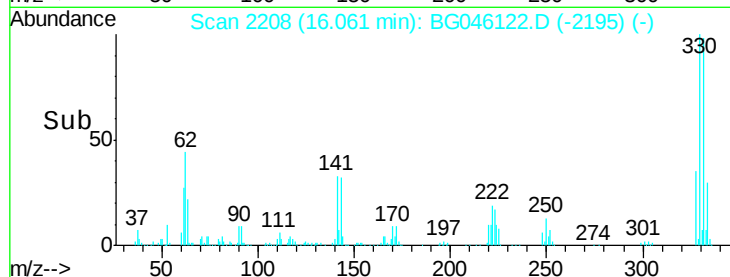
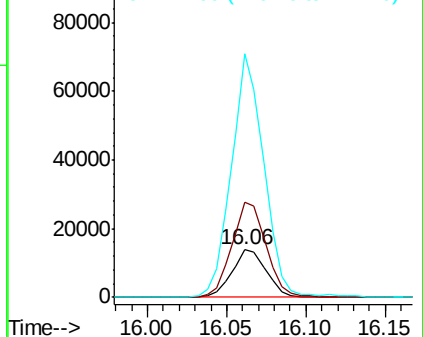
#67
 4-Bromophenyl-phenylether
 Concen: 3.302 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.45 min
 Lab File: BG046122.D
 Acq: 31 Jul 2020 12:40

Instrument :
 BNA_G
 ClientSampleId :
 PB130584BL

Tot Ion:248 Resp: 20813
 Ion Ratio Lower Upper
 248 100
 250 199.3 79.4 119.0#
 141 513.2 50.9 76.3#

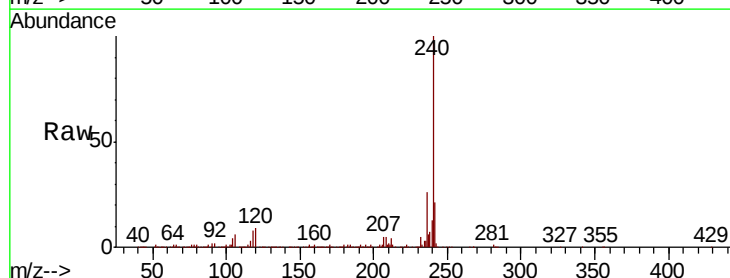


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

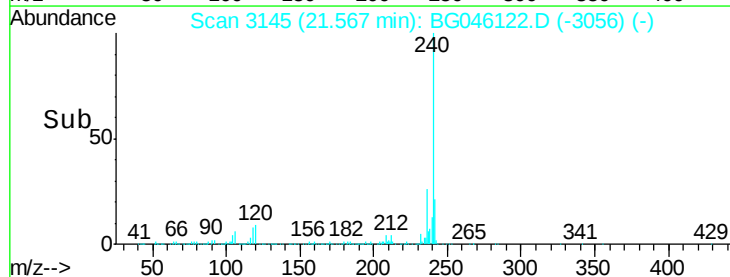
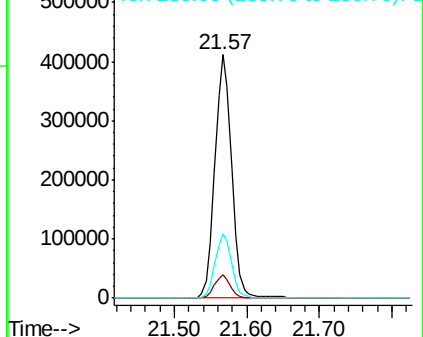


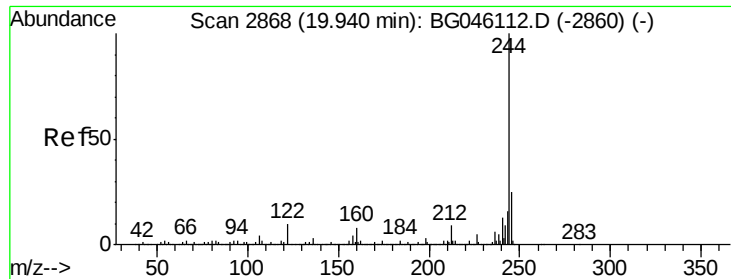
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG046122.D
 Acq: 31 Jul 2020 12:40

Tgt Ion:240 Resp: 660218
 Ion Ratio Lower Upper
 240 100
 120 9.4 7.1 10.7
 236 26.3 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





#79

Terphenyl-d14

Concen: 63.738 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

Instrument :

BNA_G

ClientSampleId :

PB130584BL

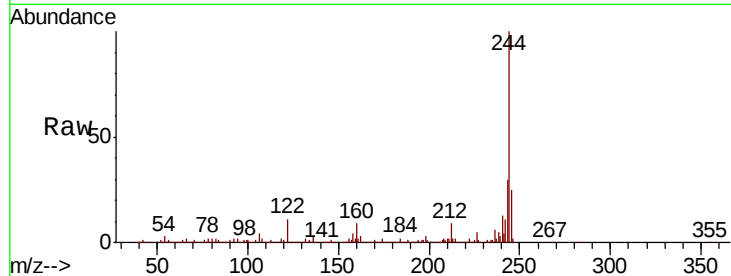
Tot Ion:244 Resp: 2066222

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

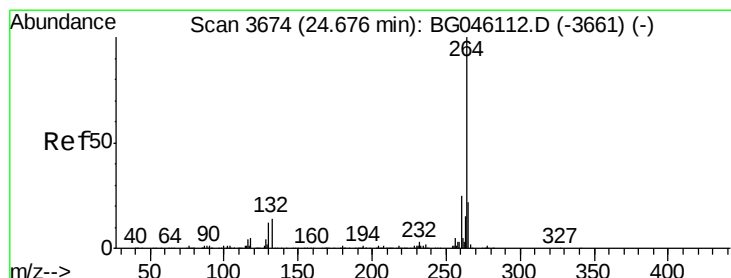
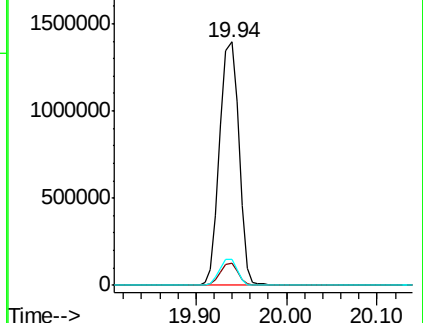
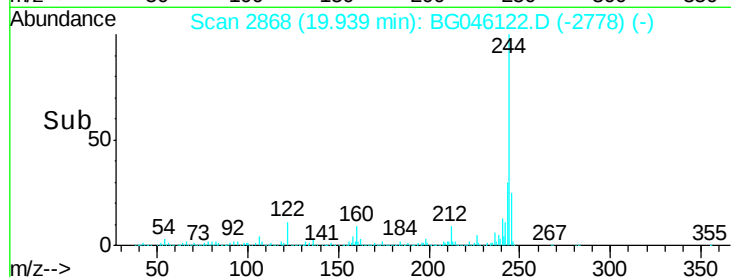
122 10.7 8.3 12.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG046122.D

Acq: 31 Jul 2020 12:40

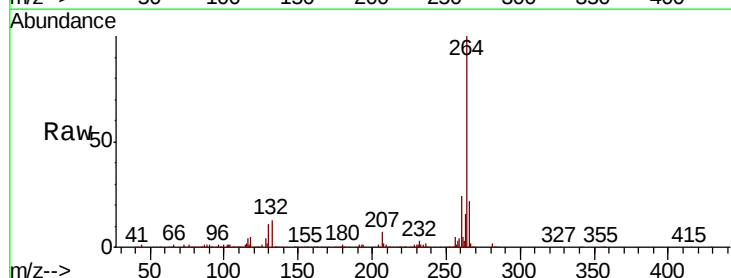
Tgt Ion:264 Resp: 649431

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 21.6 17.6 26.4



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

