

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046146.D
 Acq On : 1 Aug 2020 6:15
 Operator : CG/JU
 Sample : L3518-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Aug 01 07:08:58 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

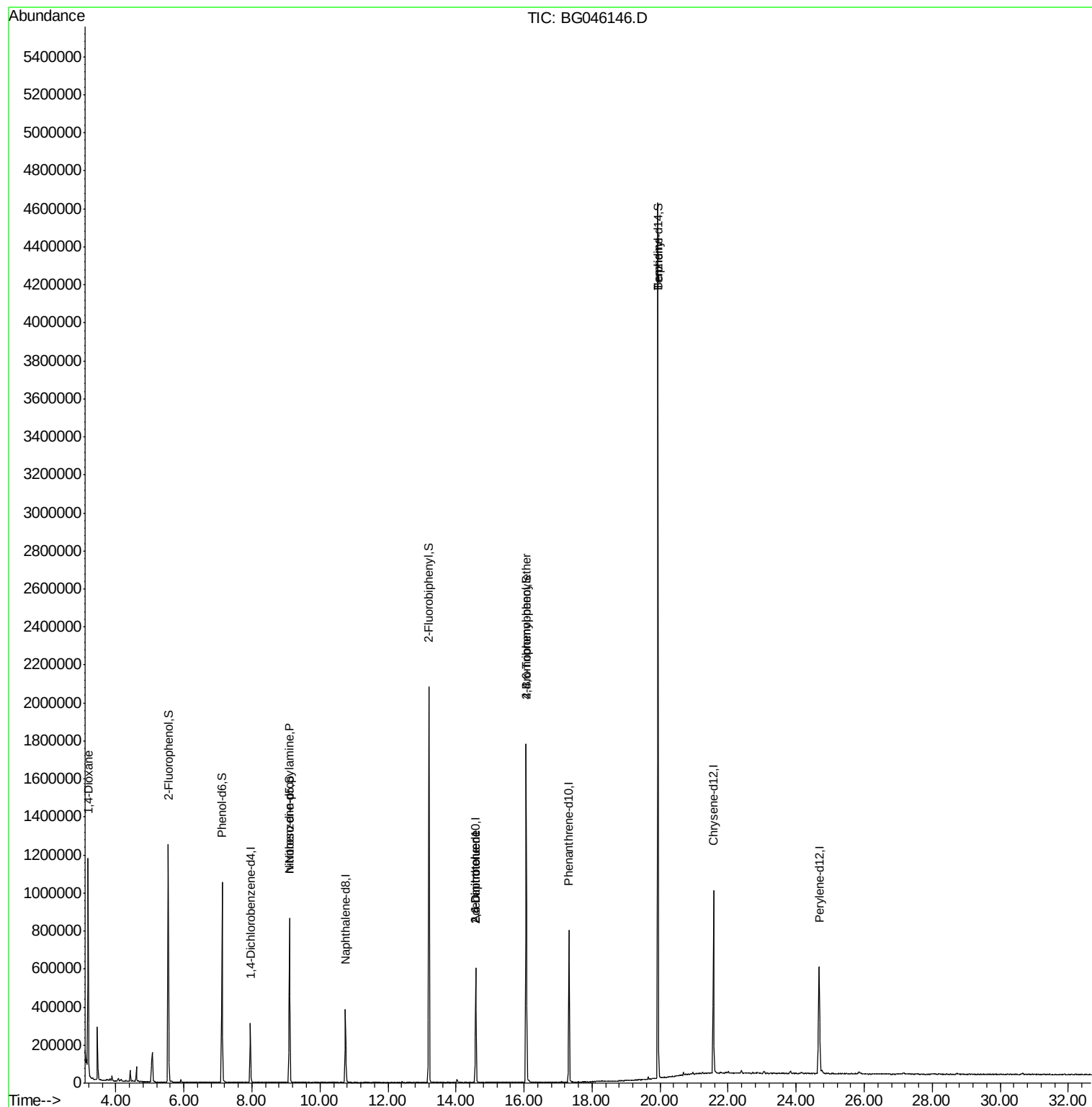
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	90435	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	348725	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	214136	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	496401	20.00	ng	0.00
76) Chrysene-d12	21.57	240	590845	20.00	ng	0.00
86) Perylene-d12	24.67	264	597481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	537948	103.41	ng	0.00
7) Phenol-d6	7.12	99	611794	86.29	ng	0.00
23) Nitrobenzene-d5	9.11	82	529175	82.16	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	362273	110.14	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1148760	77.93	ng	0.00
79) Terphenyl-d14	19.93	244	1969594	67.89	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.19	88	10938	4.619	ng	# 1
19) n-Nitroso-di-n-propylamine	9.11	70	69707	15.107	ng	# 78
51) 2,6-Dinitrotoluene	14.58	165	28780	7.524	ng	# 28
57) 2,4-Dinitrotoluene	14.58	165	28780	5.472	ng	# 28
67) 4-Bromophenyl-phenylether	16.06	248	22612	3.687	ng	# 1
77) Benzidine	19.93	184	33779	2.018	ng	98

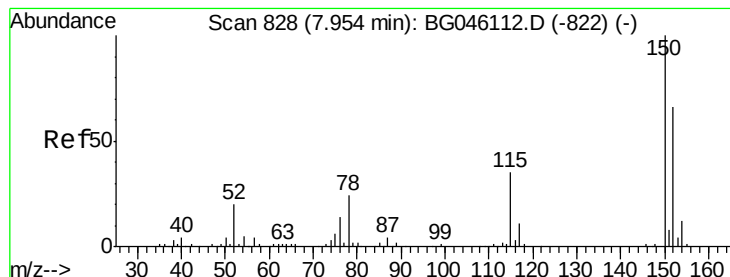
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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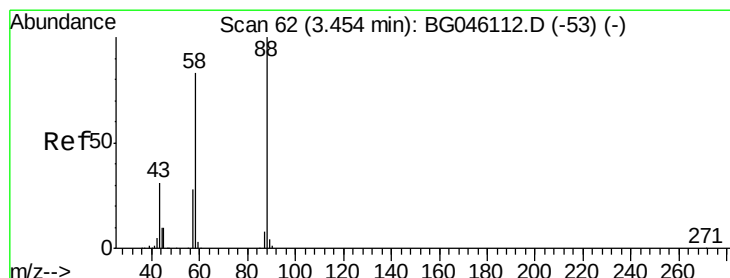
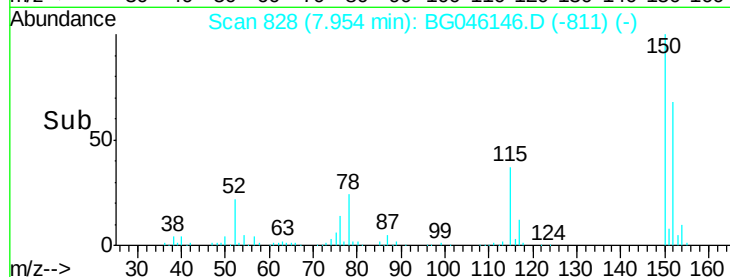
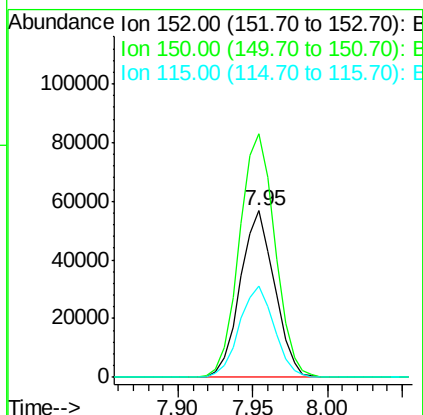
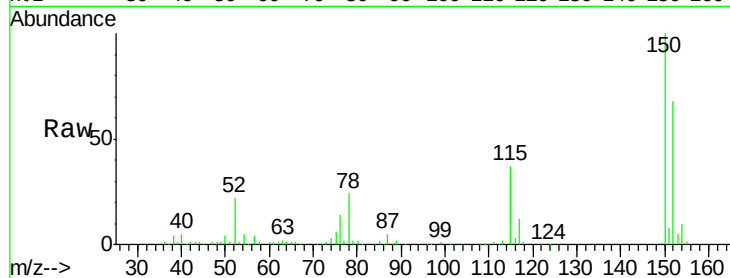


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

Instrument :
BNA_G
ClientSampled :
TP-4

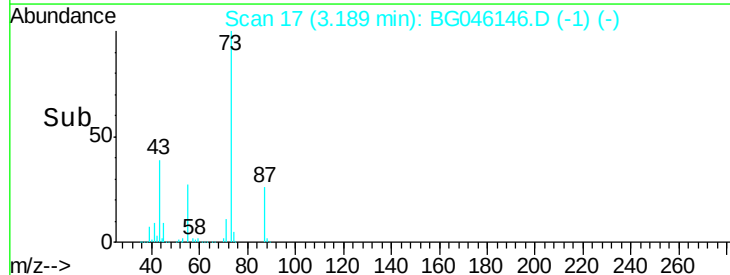
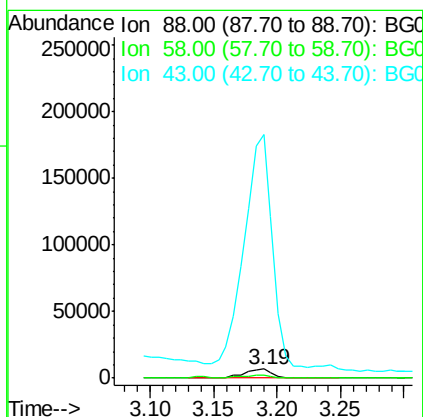
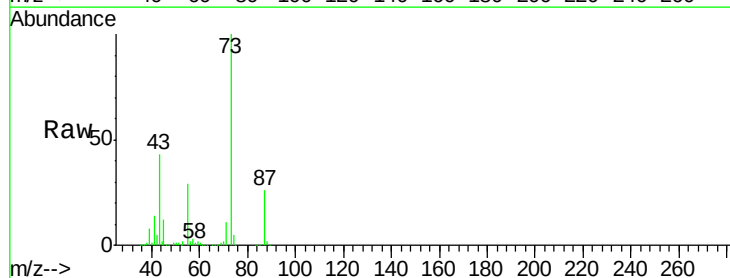
Tot Ion:152 Resp: 90435
Ion Ratio Lower Upper
152 100
150 146.3 122.1 183.1
115 54.6 43.2 64.8

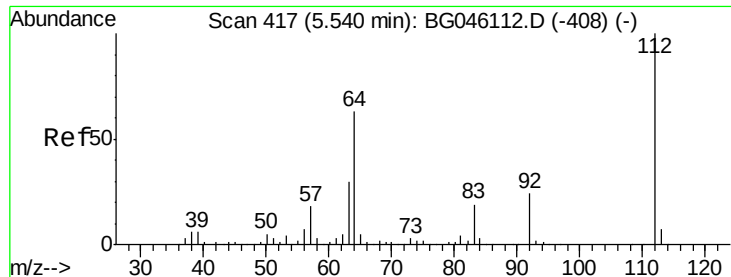


#2

1,4-Dioxane
Concen: 4.619 ng
RT: 3.19 min Scan# 17
Delta R.T. -0.26 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

Tgt Ion: 88 Resp: 10938
Ion Ratio Lower Upper
88 100
58 29.0 66.5 99.7#
43 2446.3 23.8 35.8#





#5

2-Fluorophenol

Concen: 103.406 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.00 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampled :

TP-4

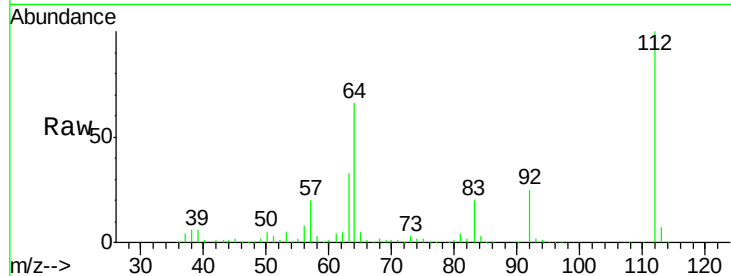
Tot Ion:112 Resp: 537948

Ion Ratio Lower Upper

112 100

64 65.6 50.2 75.2

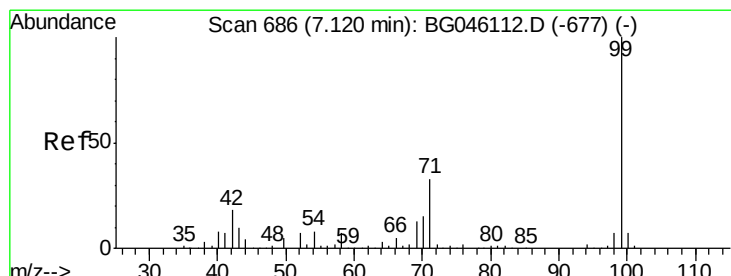
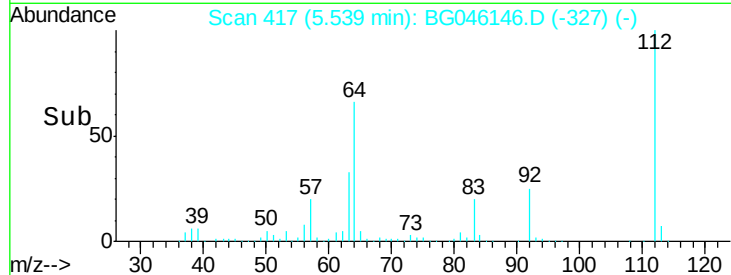
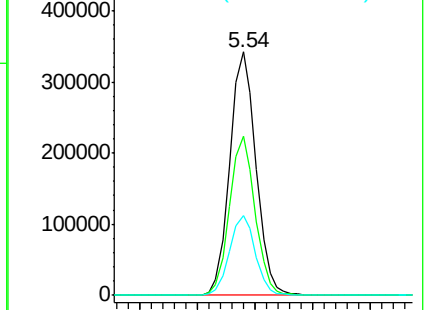
63 32.8 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 86.290 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

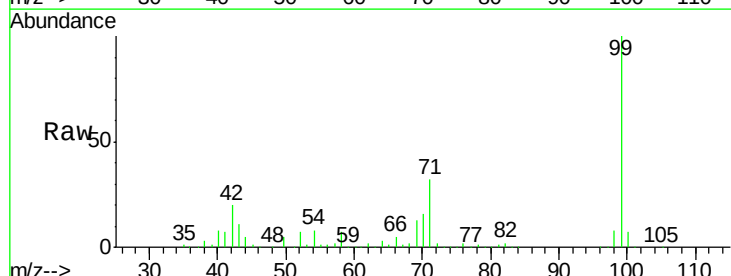
Tgt Ion: 99 Resp: 611794

Ion Ratio Lower Upper

99 100

42 19.7 14.7 22.1

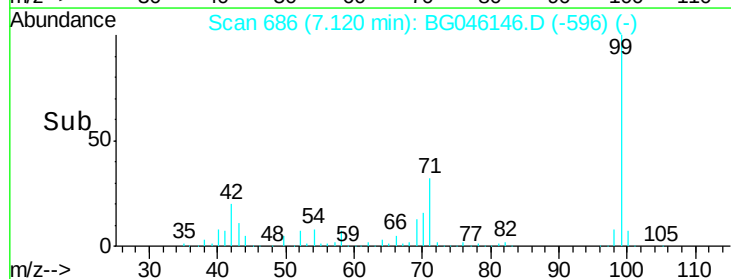
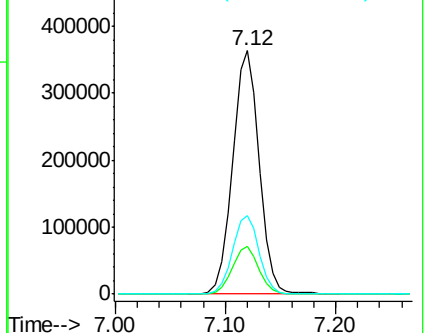
71 32.2 26.5 39.7

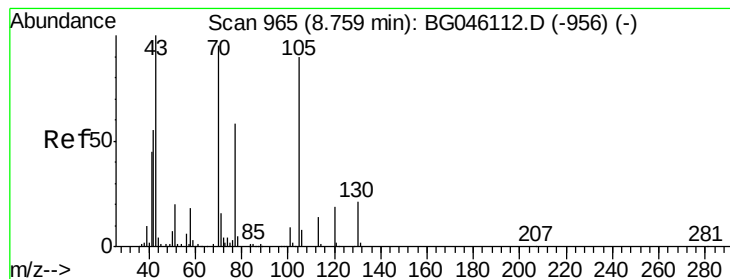


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 15.107 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampleId :

TP-4

Tot Ion: 70 Resp: 69707

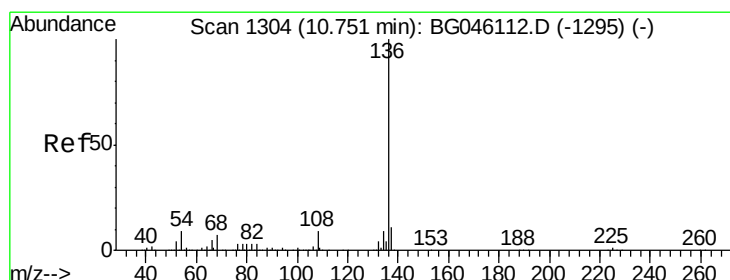
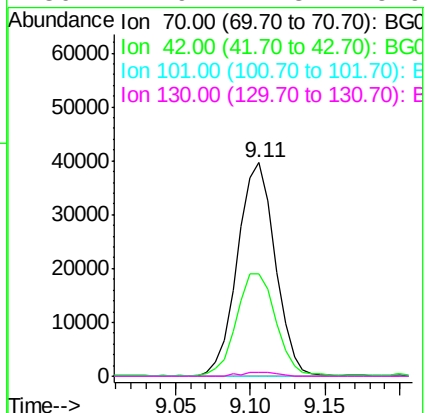
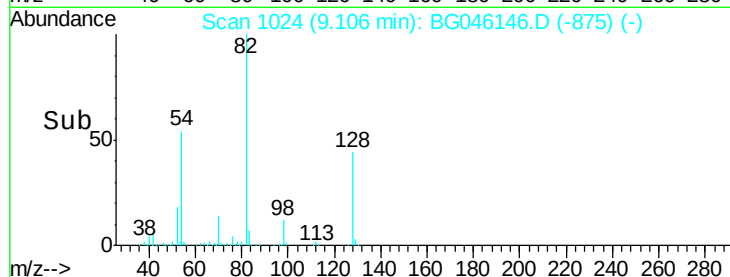
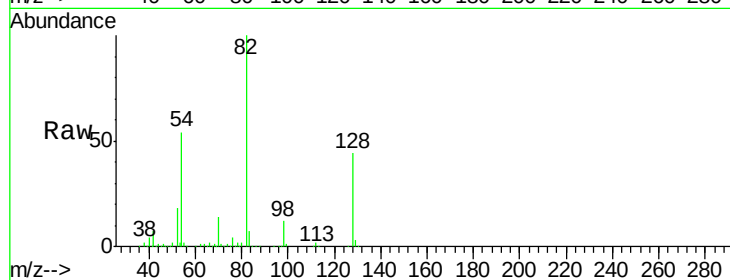
Ion Ratio Lower Upper

70 100

42 48.0 46.5 69.7

101 0.0 7.6 11.4#

130 1.9 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Tgt Ion: 136 Resp: 348725

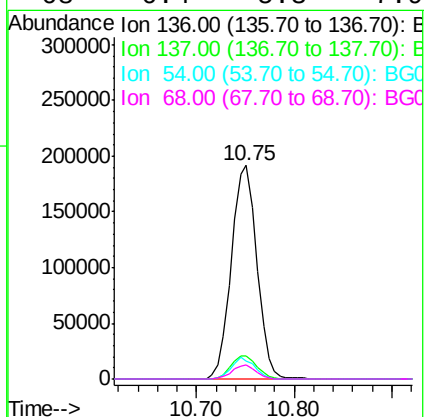
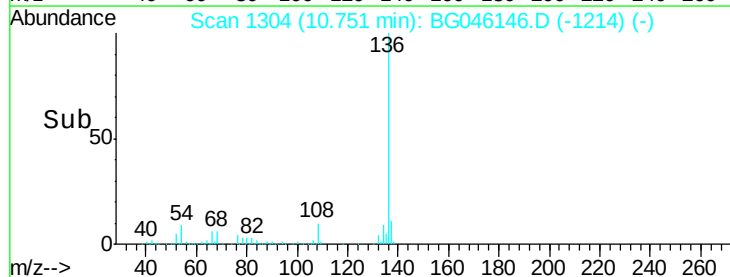
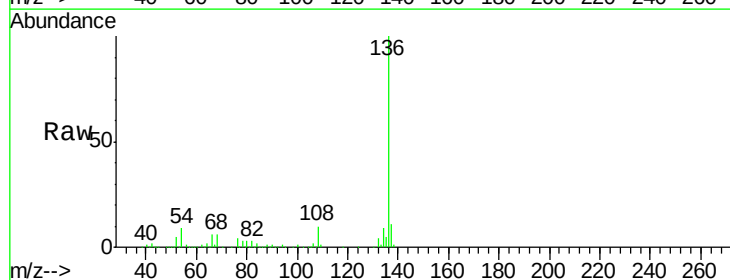
Ion Ratio Lower Upper

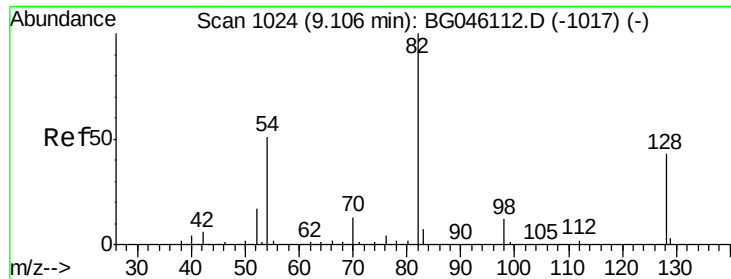
136 100

137 10.5 8.8 13.2

54 8.6 7.0 10.4

68 6.4 5.3 7.9

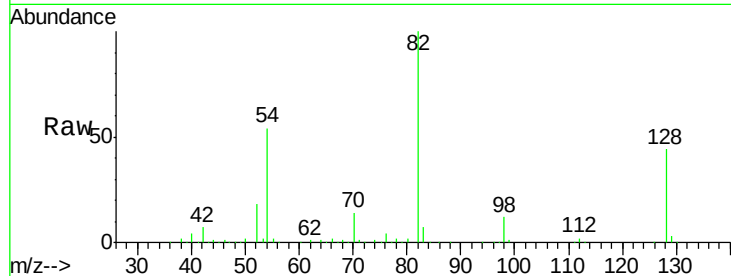




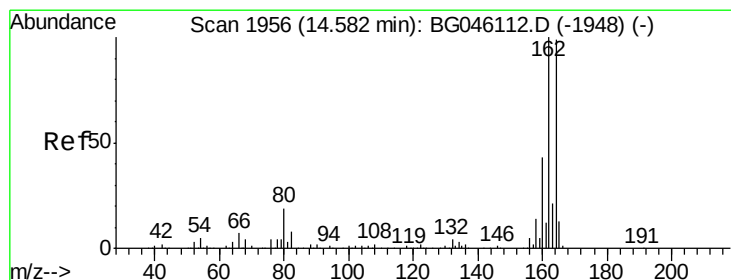
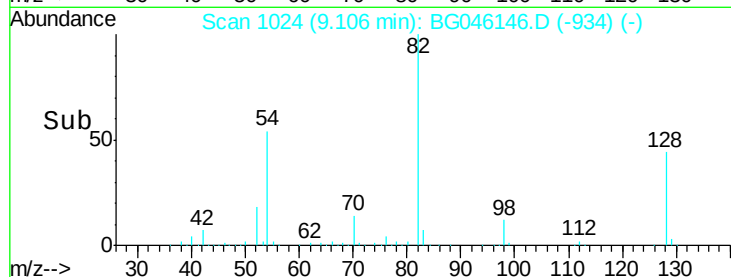
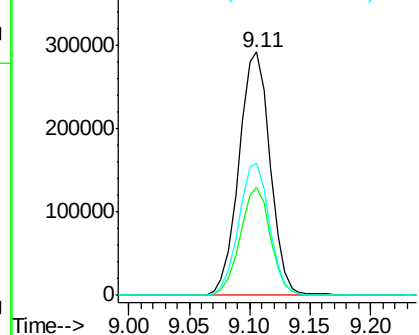
#23
Nitrobenzene-d5
Concen: 82.159 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

Instrument :
BNA_G
ClientSampled :
TP-4

Tot Ion	82	Resp	529175
Ion Ratio	100		
Lower	34.4		
Upper	51.6		
54	54.3	40.8	61.2

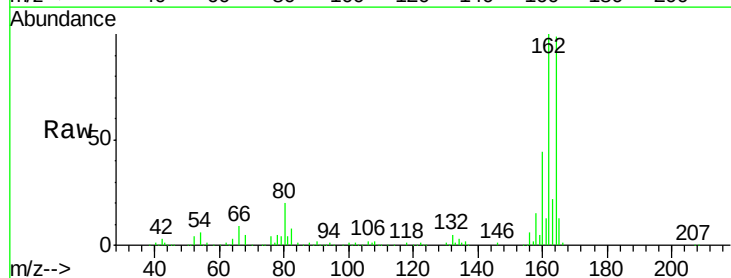


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

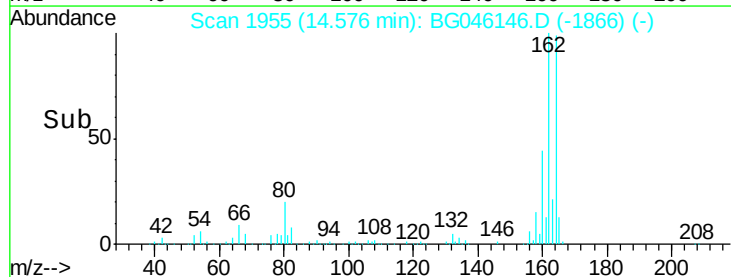
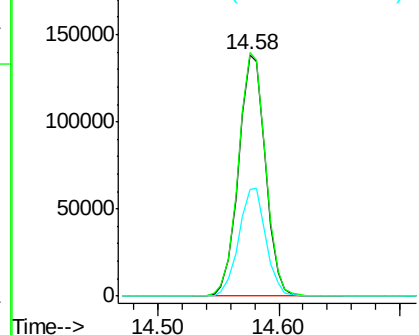


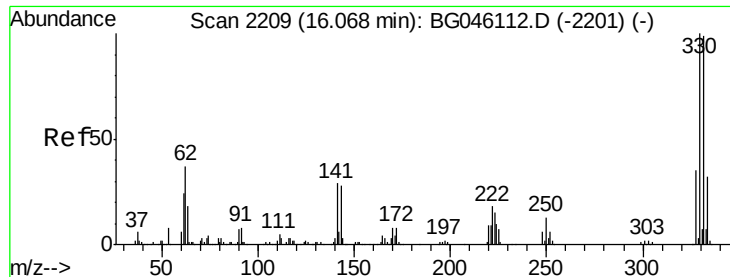
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

Tgt Ion	164	Resp	214136
Ion Ratio	100		
Lower	80.6		
Upper	121.0		
162	101.0	34.9	52.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 110.144 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampleId :

TP-4

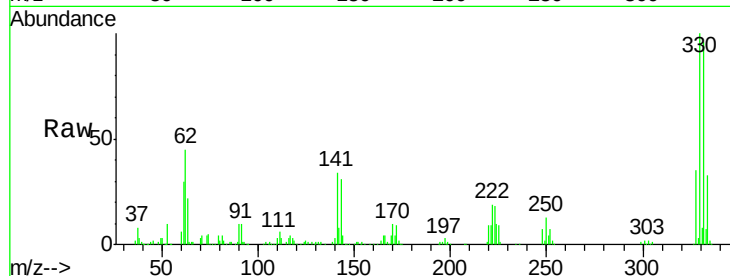
Tot Ion:330 Resp: 362273

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

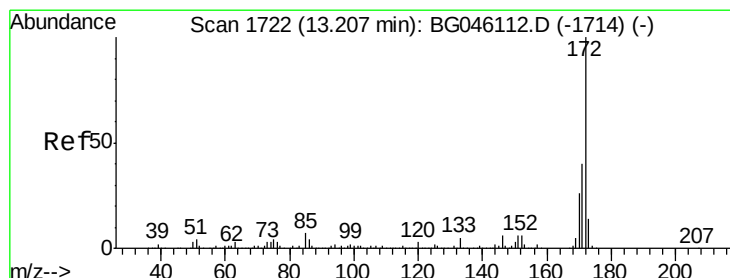
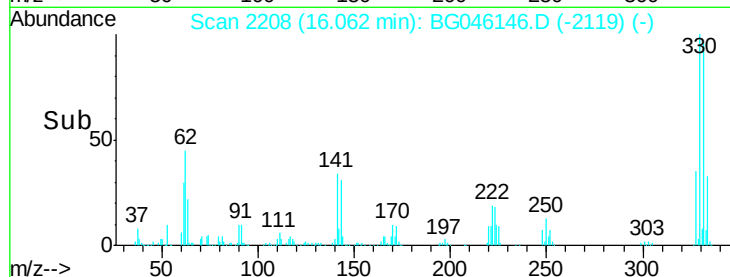
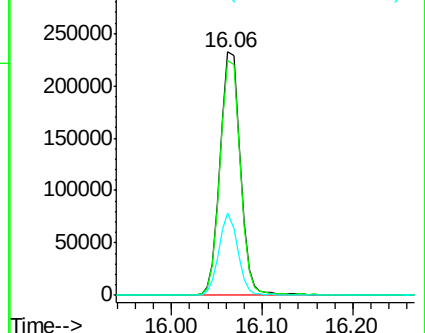
141 31.5 23.4 35.0



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: 77.928 ng

RT: 13.21 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

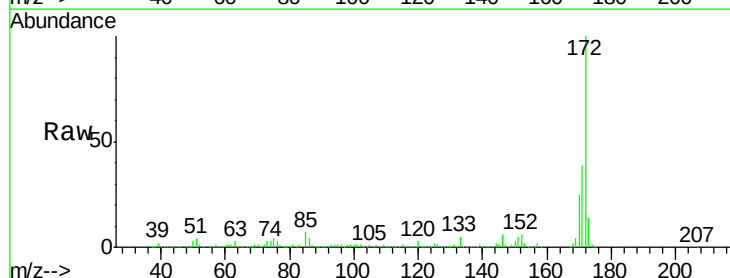
Tgt Ion:172 Resp: 1148760

Ion Ratio Lower Upper

172 100

171 38.5 31.7 47.5

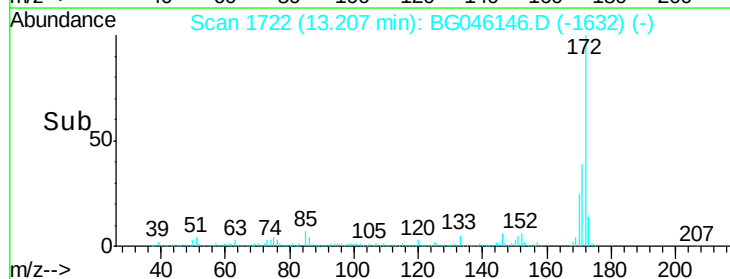
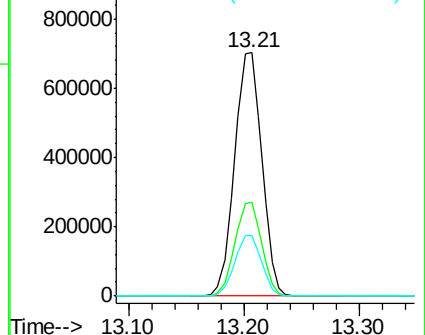
170 25.0 20.9 31.3

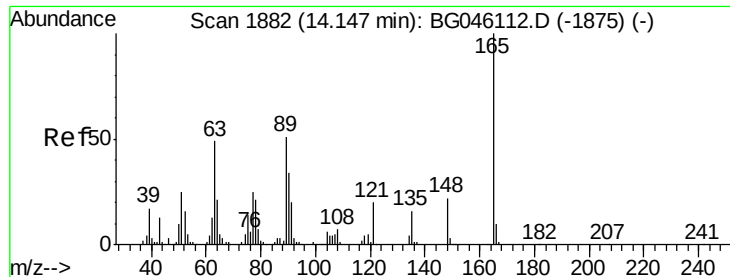


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.524 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.43 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampleId :

TP-4

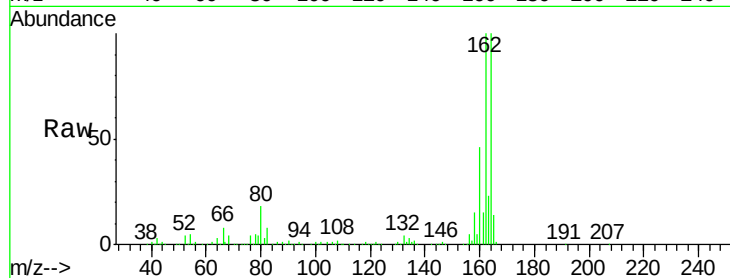
Tot Ion:165 Resp: 28780

Ion Ratio Lower Upper

165 100

63 0.0 39.7 59.5#

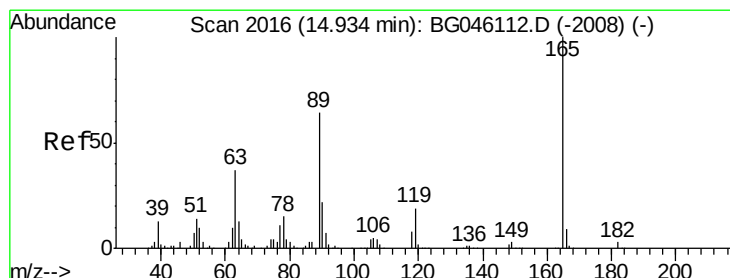
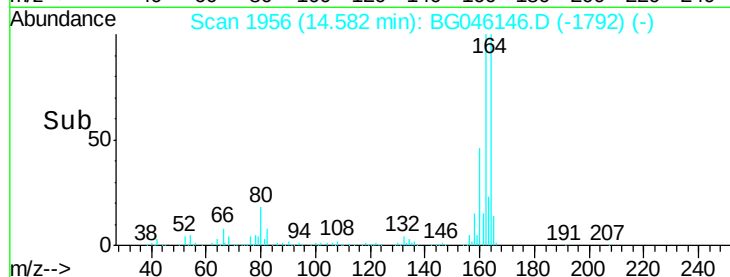
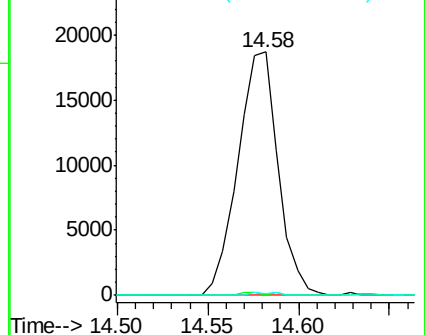
89 0.8 41.0 61.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.472 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.35 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Tgt Ion:165 Resp: 28780

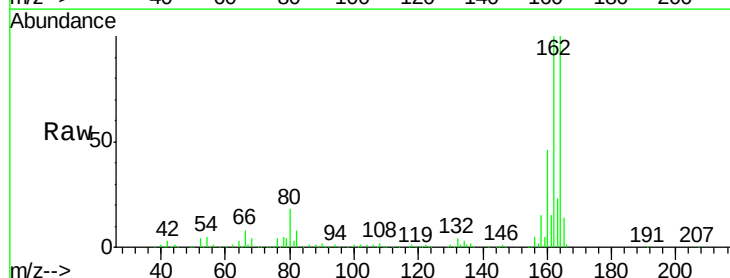
Ion Ratio Lower Upper

165 100

63 0.0 30.1 45.1#

89 0.8 51.4 77.2#

182 0.0 2.3 3.5#

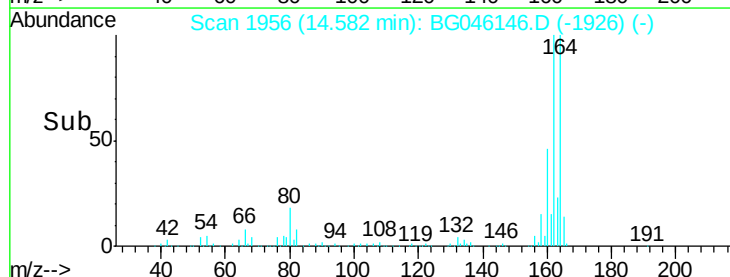
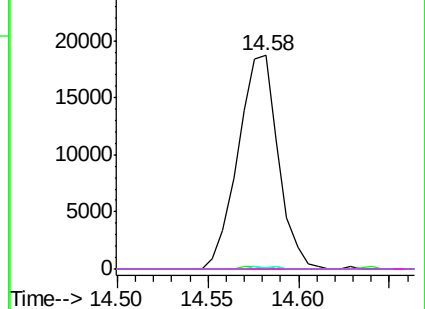


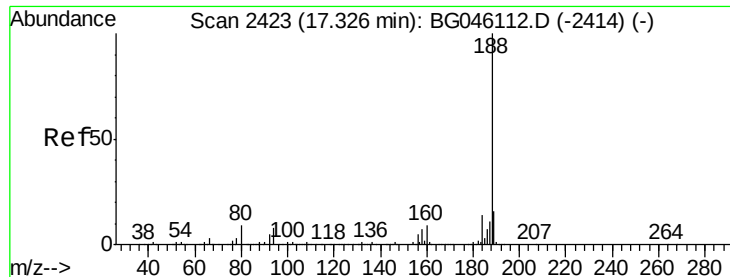
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampled :

TP-4

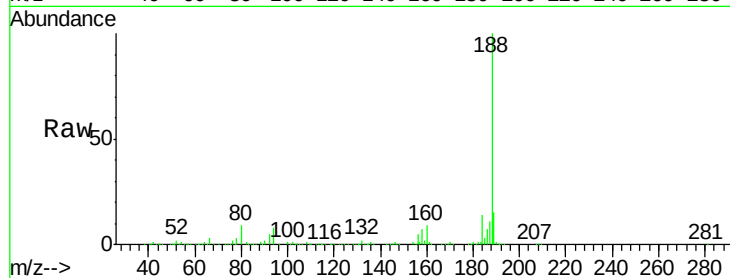
Tot Ion:188 Resp: 496401

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

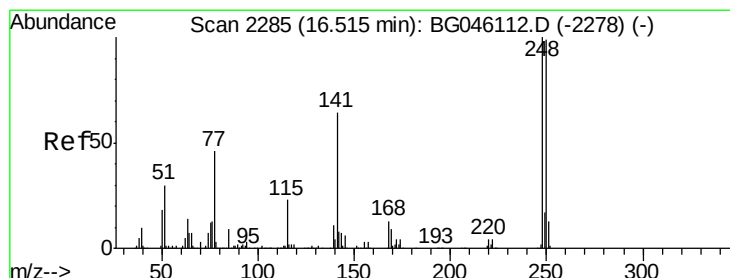
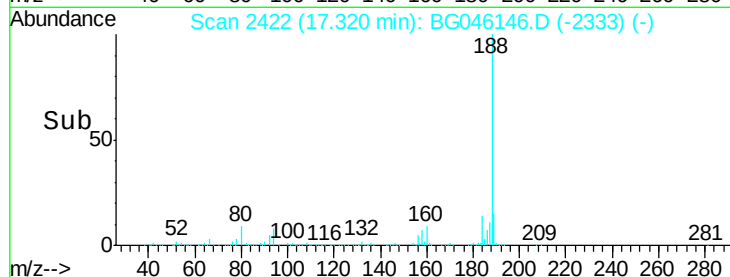
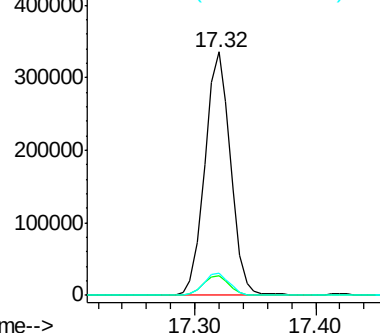
80 9.4 7.4 11.0



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: 3.687 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

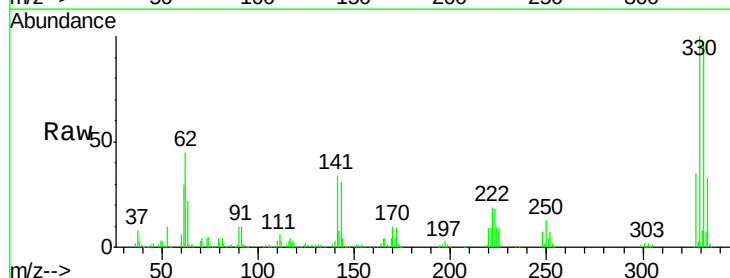
Tgt Ion:248 Resp: 22612

Ion Ratio Lower Upper

248 100

250 191.1 79.4 119.0#

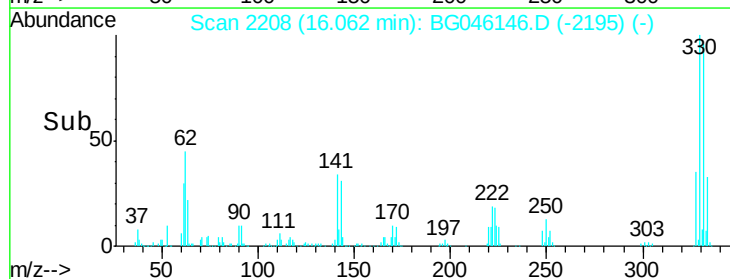
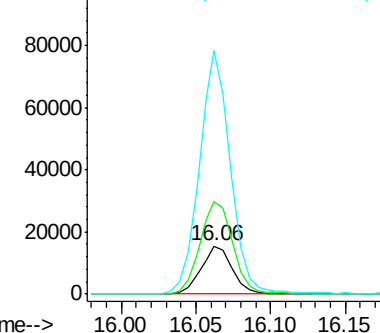
141 503.9 50.9 76.3#

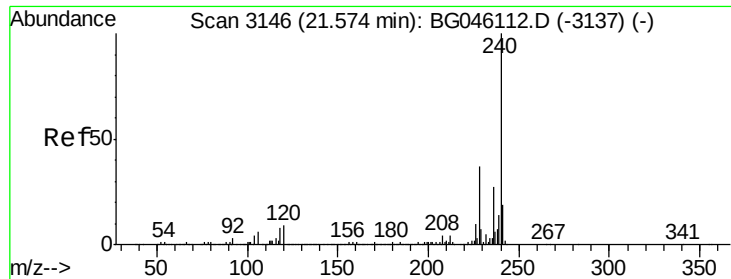


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

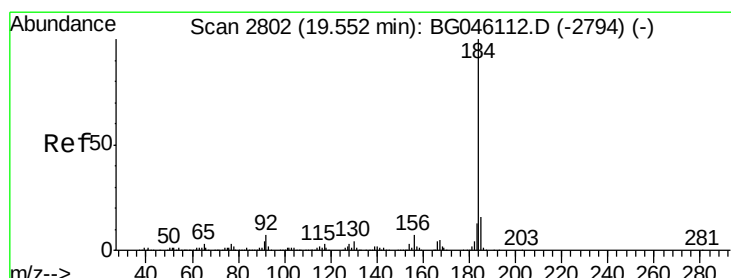
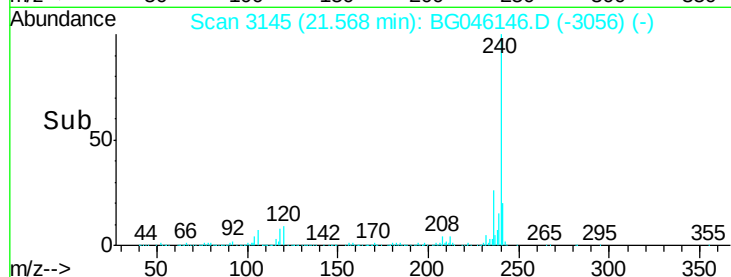
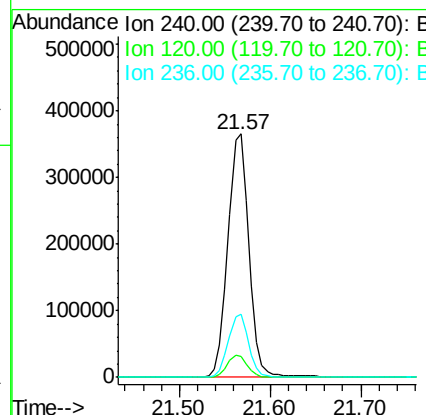
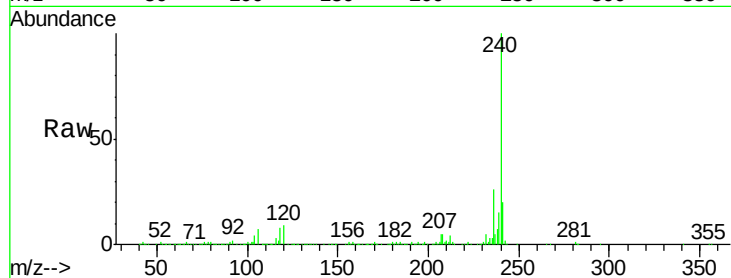




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

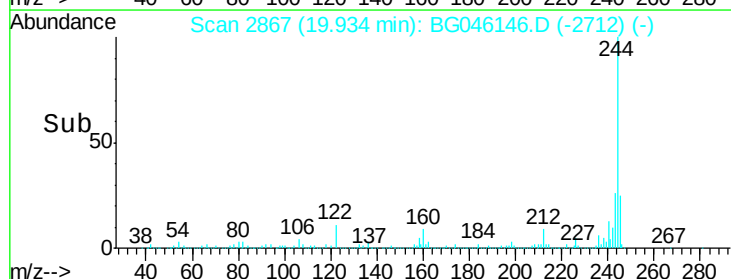
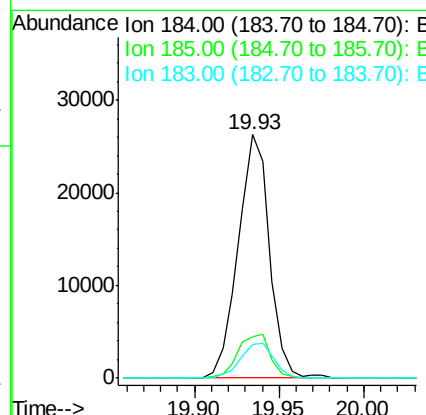
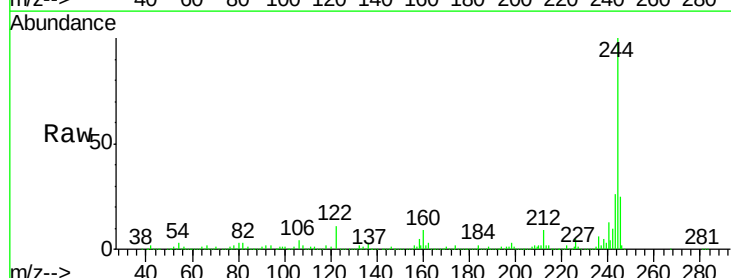
Instrument :
BNA_G
ClientSampled :
TP-4

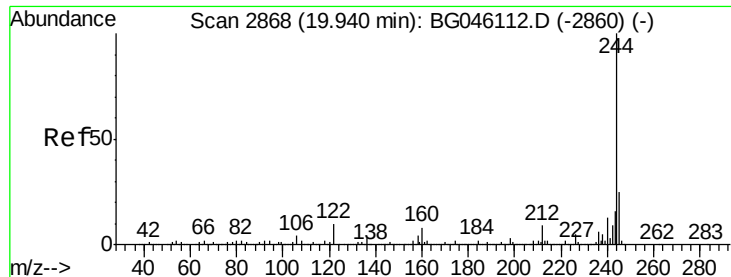
Tot Ion:240 Resp: 590845
Ion Ratio Lower Upper
240 100
120 8.8 7.1 10.7
236 25.7 21.7 32.5



#77
Benzidine
Concen: 2.018 ng
RT: 19.93 min Scan# 2867
Delta R.T. 0.38 min
Lab File: BG046146.D
Acq: 1 Aug 2020 6:15

Tgt Ion:184 Resp: 33779
Ion Ratio Lower Upper
184 100
185 17.0 13.0 19.4
183 13.9 10.5 15.7





#79

Terphenyl-d14

Concen: 67.891 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

Instrument :

BNA_G

ClientSampleId :

TP-4

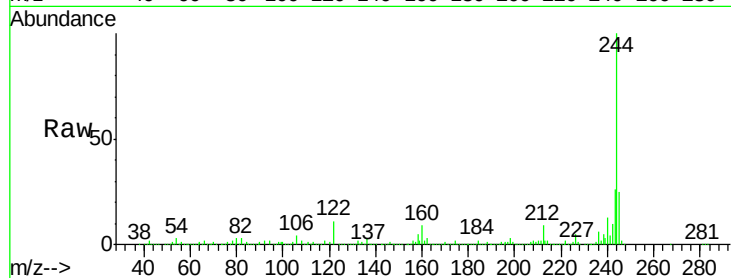
Tot Ion:244 Resp: 1969594

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

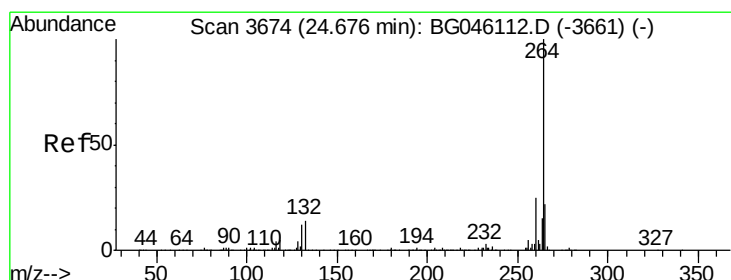
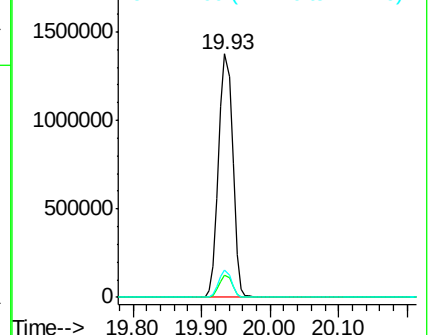
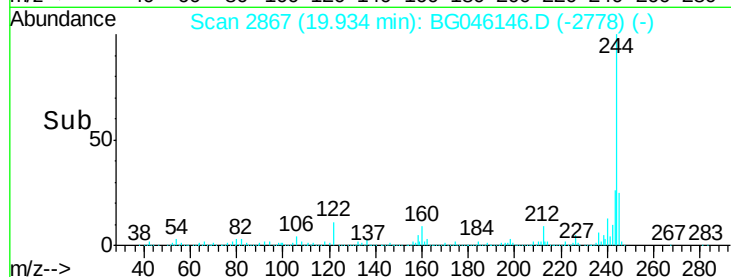
122 11.0 8.3 12.5



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# 3673

Delta R.T. -0.01 min

Lab File: BG046146.D

Acq: 1 Aug 2020 6:15

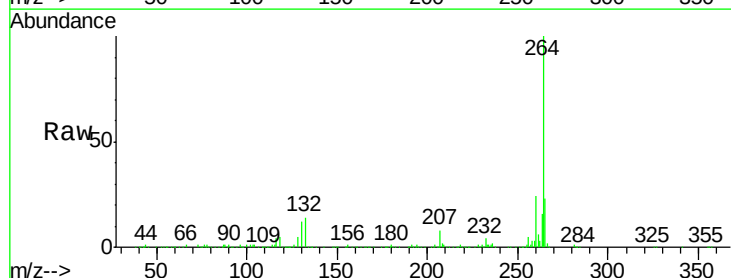
Tgt Ion:264 Resp: 597481

Ion Ratio Lower Upper

264 100

260 23.6 19.7 29.5

265 22.8 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

