

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046143.D
 Acq On : 1 Aug 2020 4:15
 Operator : CG/JU
 Sample : L3511-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Aug 01 05:32:37 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

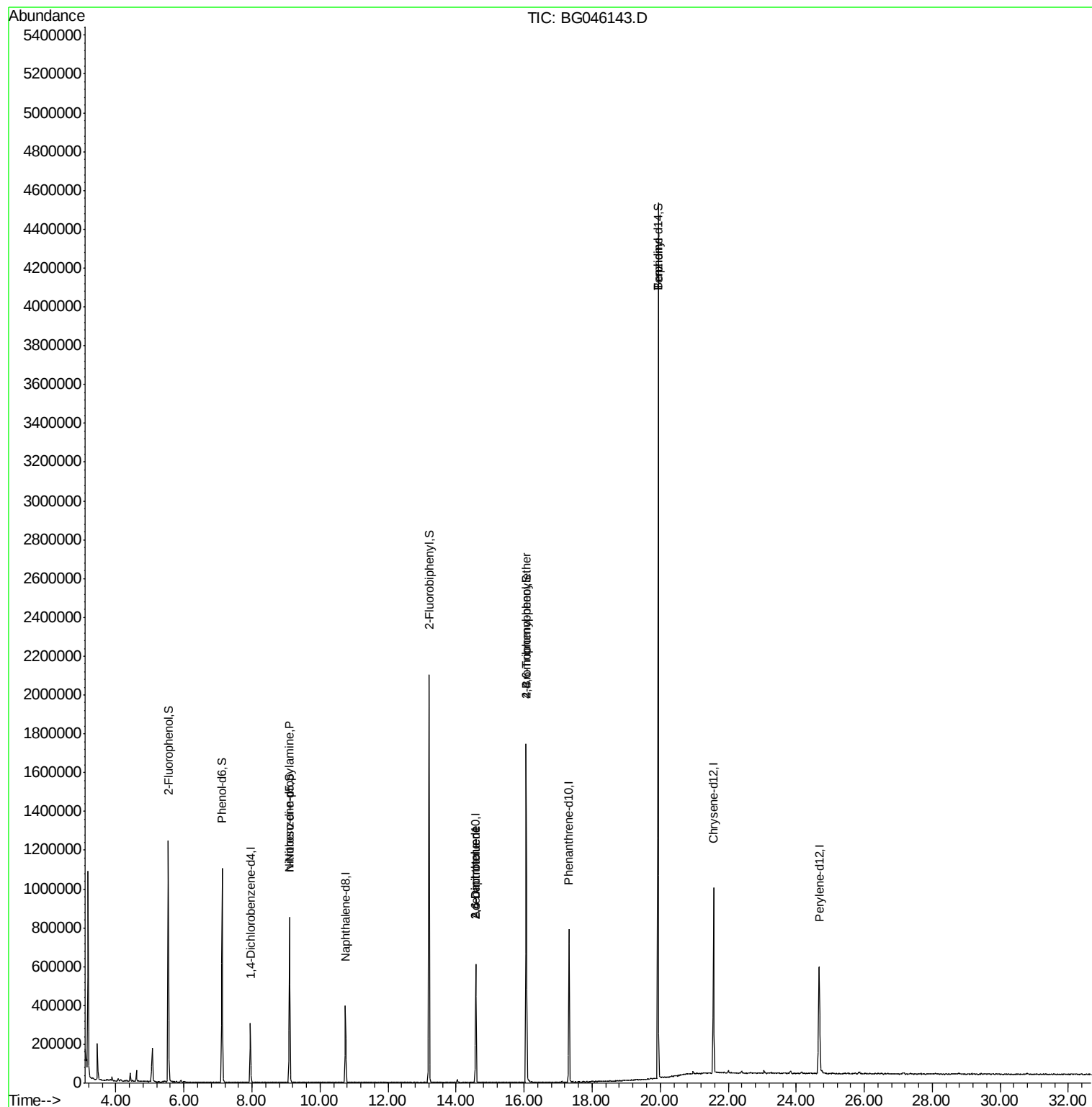
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	90003	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	345757	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	213356	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	501347	20.00	ng	0.00
76) Chrysene-d12	21.57	240	578688	20.00	ng	0.00
86) Perylene-d12	24.67	264	580859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	539392	104.18	ng	0.00
7) Phenol-d6	7.12	99	637140	90.30	ng	0.00
23) Nitrobenzene-d5	9.10	82	511935	80.16	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	363192	110.83	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1125971	76.66	ng	0.00
79) Terphenyl-d14	19.94	244	1957311	68.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	66926	14.574	ng	# 81
51) 2,6-Dinitrotoluene	14.58	165	28738	7.541	ng	# 29
57) 2,4-Dinitrotoluene	14.58	165	28738	5.484	ng	# 29
67) 4-Bromophenyl-phenylether	16.06	248	22367	3.611	ng	# 1
77) Benzidine	19.93	184	34456	2.102	ng	100

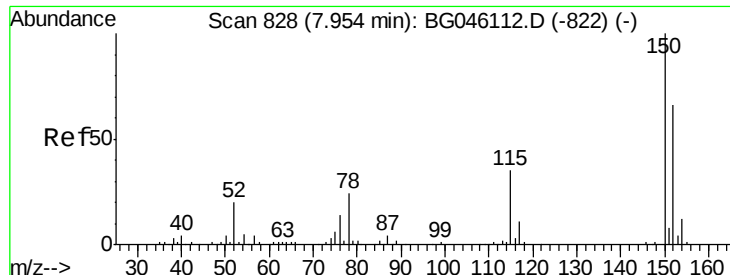
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG046143.D
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Response via : Initial Calibration



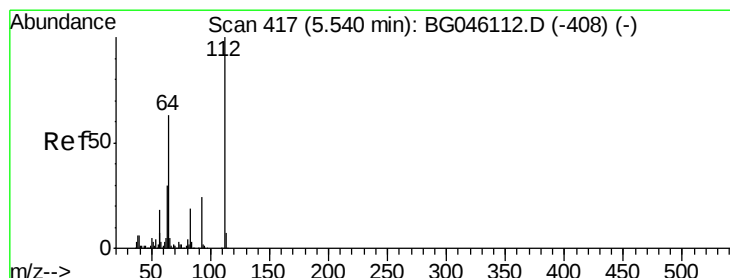
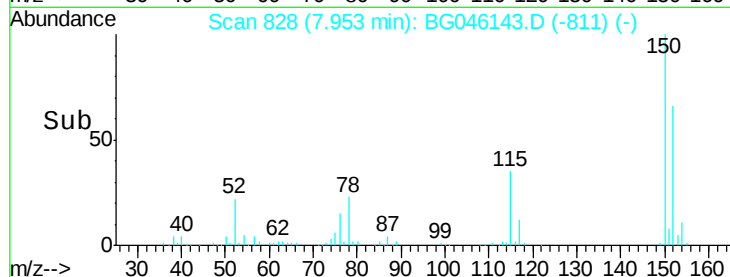
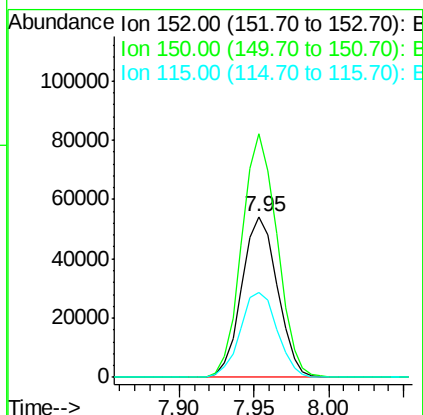
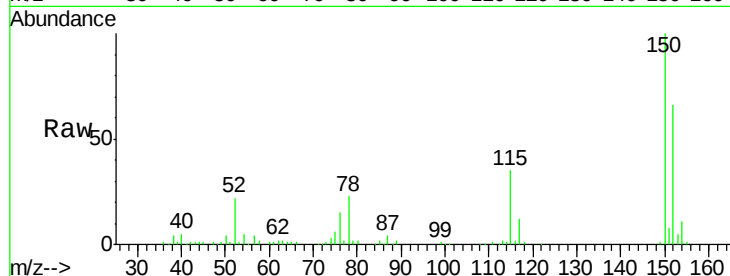


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BG046143.D
 Acq: 1 Aug 2020 4:15

Instrument :
 BNA_G
 ClientSampled :
 TP-2

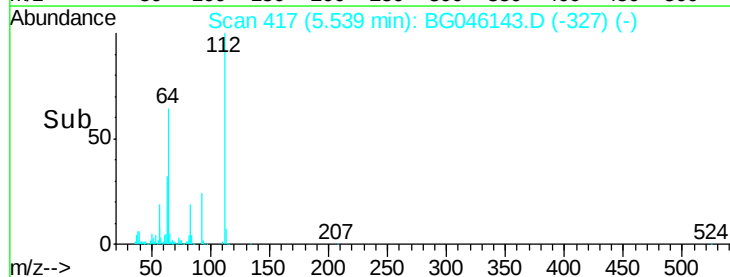
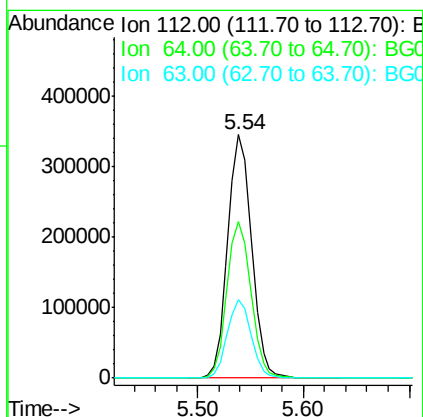
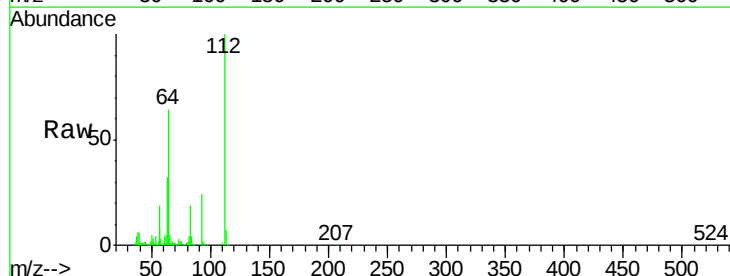
Tot Ion:152 Resp: 90003
 Ion Ratio Lower Upper
 152 100
 150 151.5 122.1 183.1
 115 52.7 43.2 64.8

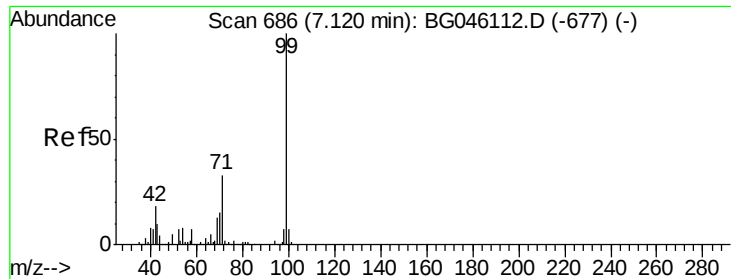


#5

2-Fluorophenol
 Concen: 104.181 ng
 RT: 5.54 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BG046143.D
 Acq: 1 Aug 2020 4:15

Tgt Ion:112 Resp: 539392
 Ion Ratio Lower Upper
 112 100
 64 64.2 50.2 75.2
 63 32.5 24.2 36.4





#7

Phenol-d6

Concen: 90.296 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046143.D

Acq: 1 Aug 2020 4:15

Instrument :

BNA_G

ClientSampleId :

TP-2

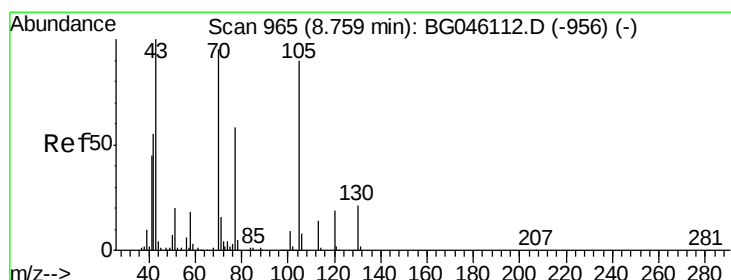
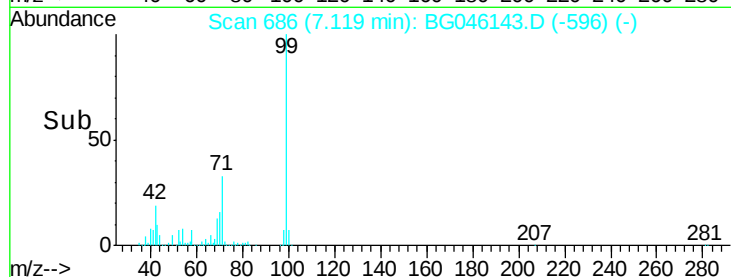
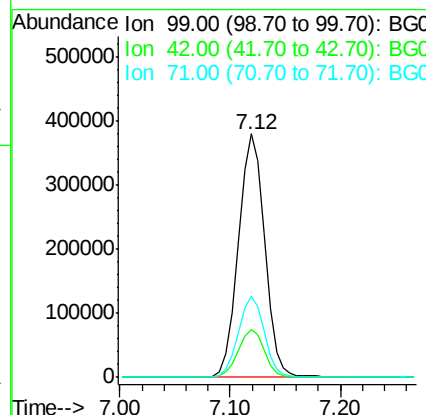
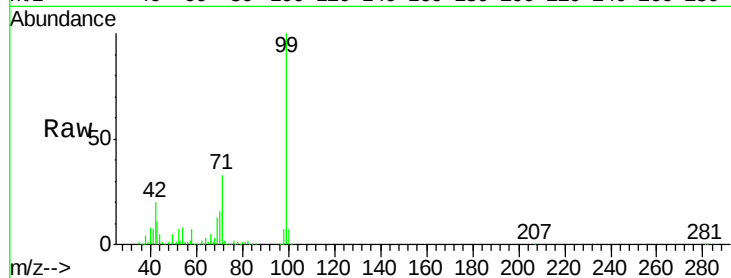
Tot Ion: 99 Resp: 637140

Ion Ratio Lower Upper

99 100

42 19.6 14.7 22.1

71 33.3 26.5 39.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.574 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046143.D

Acq: 1 Aug 2020 4:15

Tgt Ion: 70 Resp: 66926

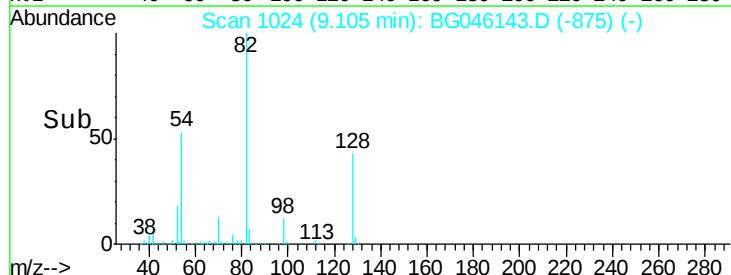
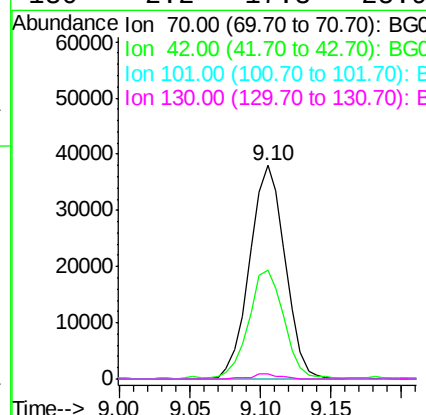
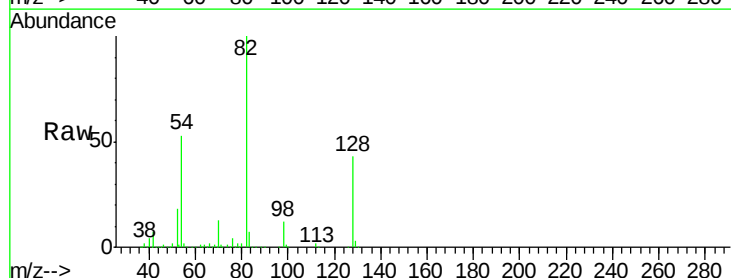
Ion Ratio Lower Upper

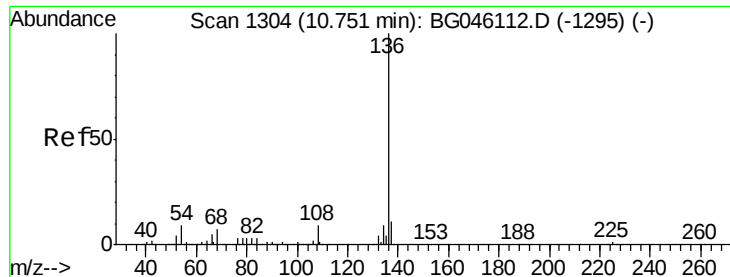
70 100

42 50.9 46.5 69.7

101 0.0 7.6 11.4#

130 2.2 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: BG046143.D

Acq: 1 Aug 2020 4:15

Instrument :

BNA_G

ClientSampleId :

TP-2

Tot Ion:136 Resp: 345757

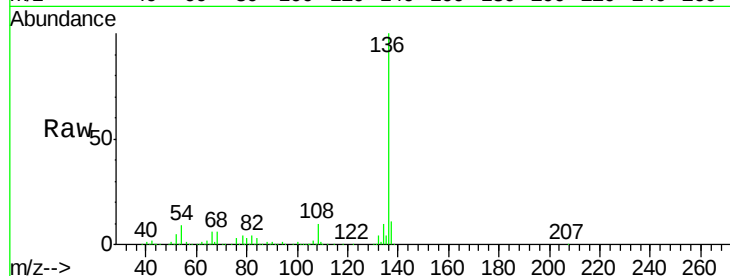
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.1 7.0 10.4

68 6.1 5.3 7.9

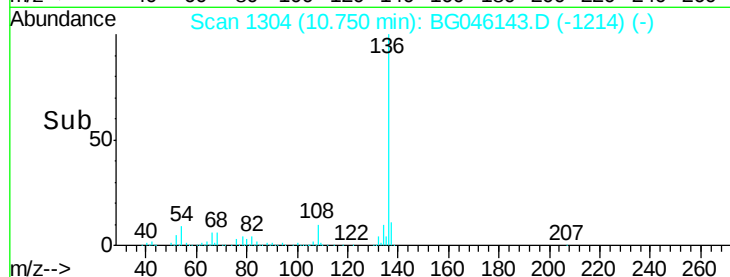


Abundance Ion 136.00 (135.70 to 136.70): B

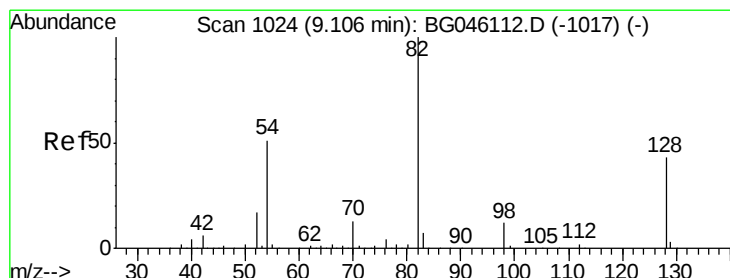
Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



Time-->



#23

Nitrobenzene-d5

Concen: 80.165 ng

RT: 9.10 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BG046143.D

Acq: 1 Aug 2020 4:15

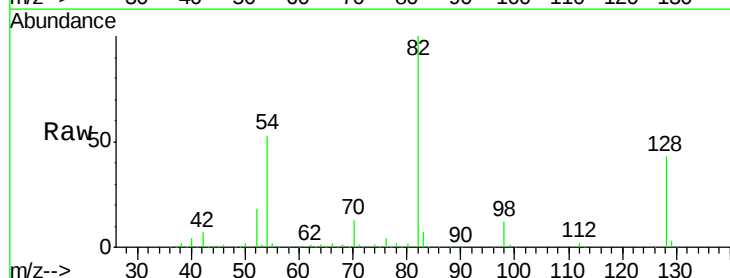
Tgt Ion: 82 Resp: 511935

Ion Ratio Lower Upper

82 100

128 43.2 34.4 51.6

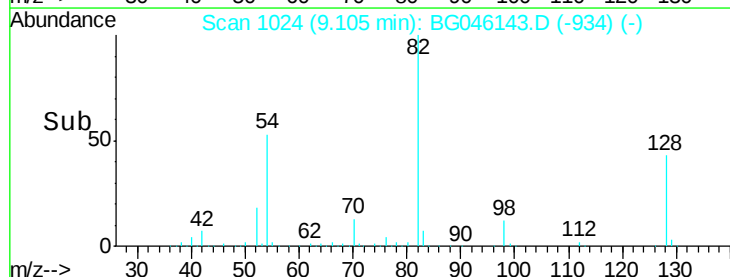
54 53.1 40.8 61.2



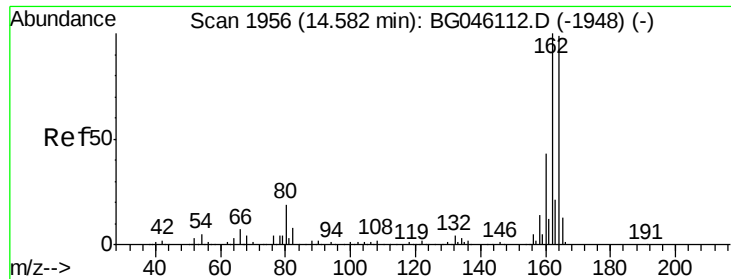
Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG046143.D

Acq: 1 Aug 2020 4:15

Instrument :

BNA_G

ClientSampleId :

TP-2

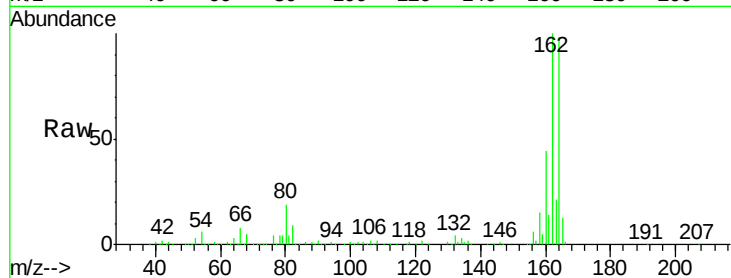
Tot Ion:164 Resp: 213356

Ion Ratio Lower Upper

164 100

162 102.2 80.6 121.0

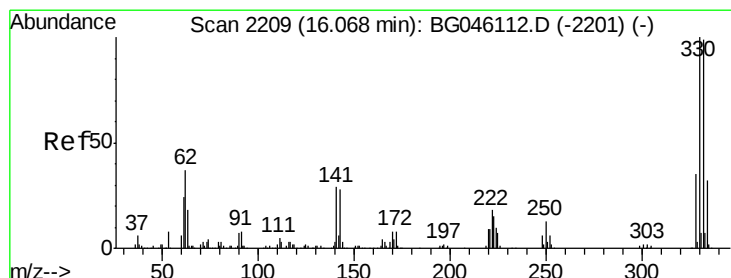
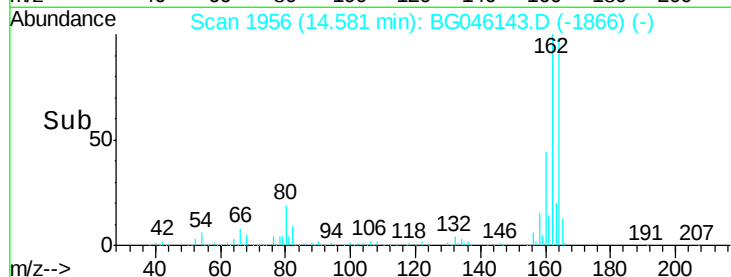
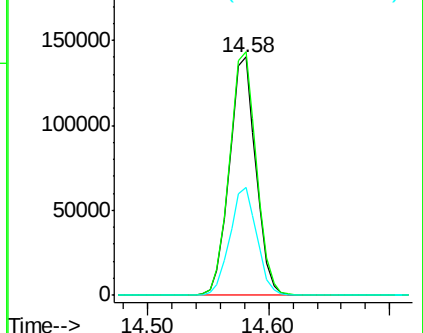
160 45.4 34.9 52.3



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: 110.827 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046143.D

Acq: 1 Aug 2020 4:15

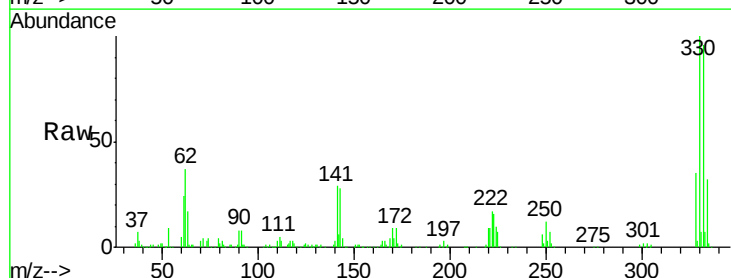
Tgt Ion:330 Resp: 363192

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

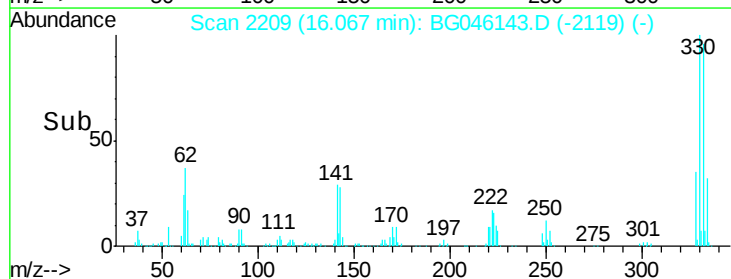
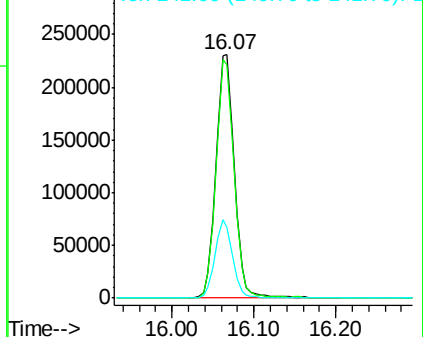
141 30.8 23.4 35.0

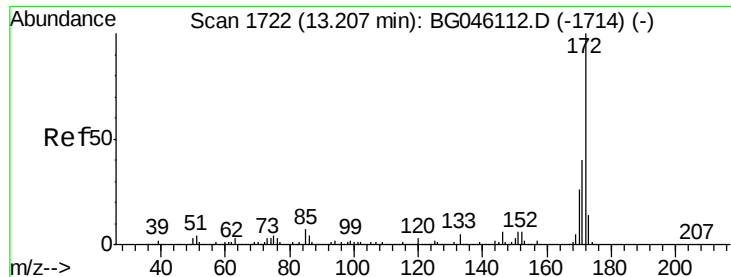


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

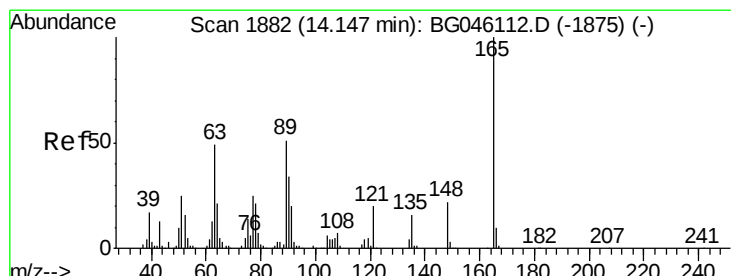
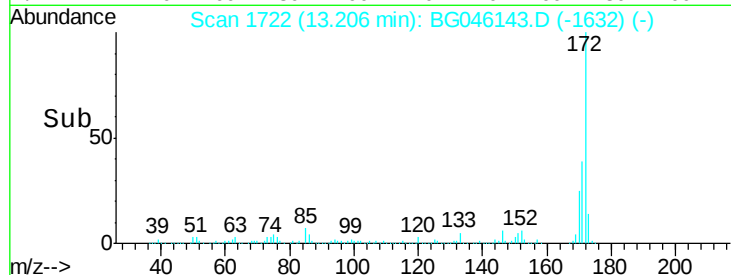
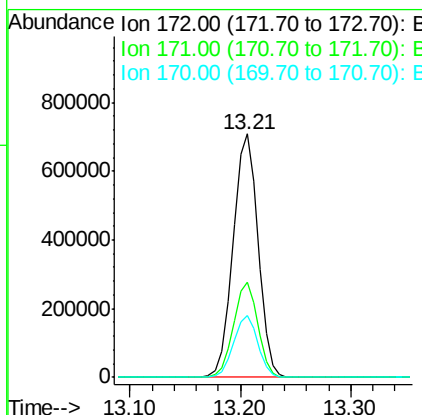
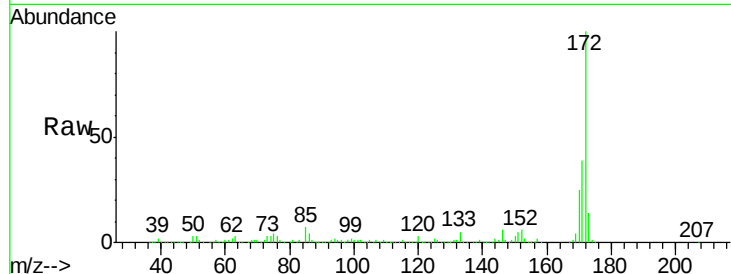




#45
2-Fluorobiphenyl
Concen: 76.662 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

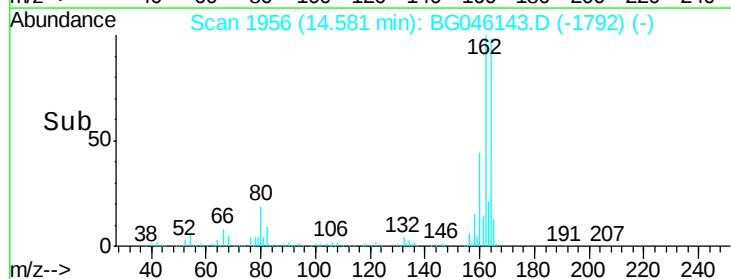
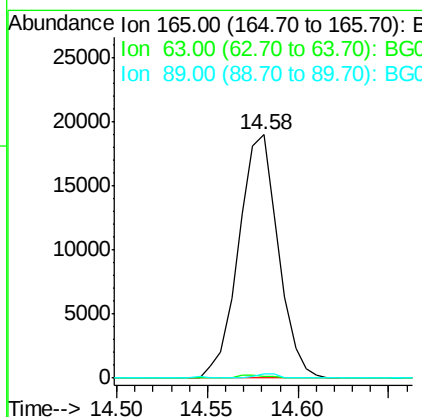
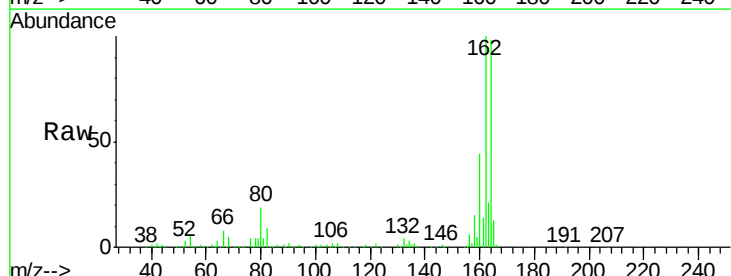
Instrument :
BNA_G
ClientSampleId :
TP-2

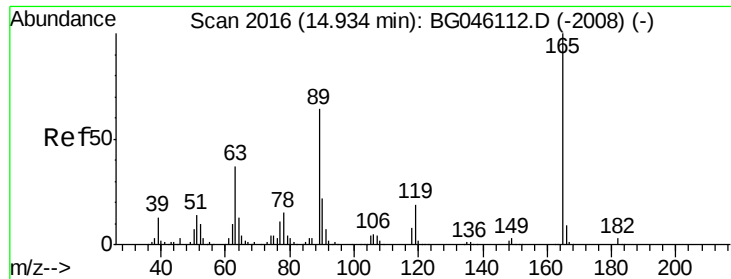
Tot Ion:172 Resp: 1125971
Ion Ratio Lower Upper
172 100
171 39.0 31.7 47.5
170 25.5 20.9 31.3



#51
2,6-Dinitrotoluene
Concen: 7.541 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.43 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

Tgt Ion:165 Resp: 28738
Ion Ratio Lower Upper
165 100
63 1.0 39.7 59.5#
89 1.7 41.0 61.6#

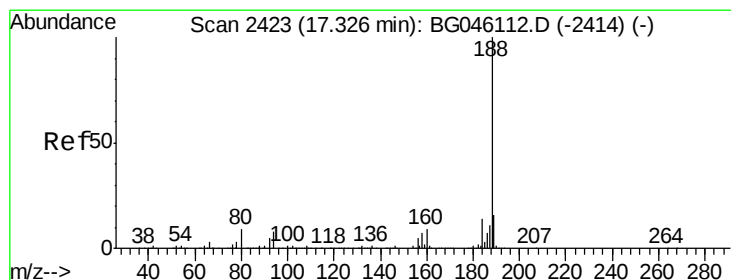
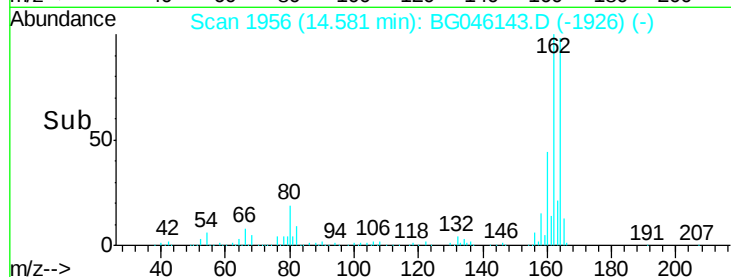
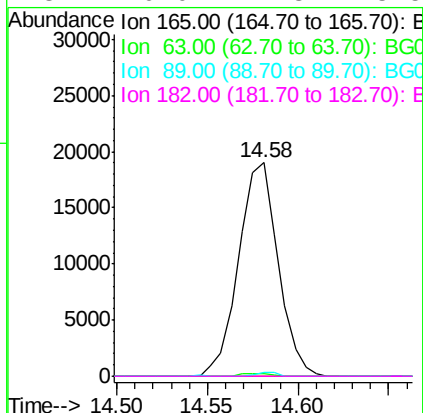
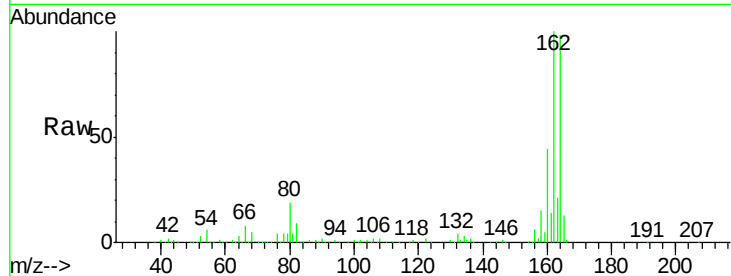




#57
 2,4-Dinitrotoluene
 Concen: 5.484 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.35 min
 Lab File: BG046143.D
 Acq: 1 Aug 2020 4:15

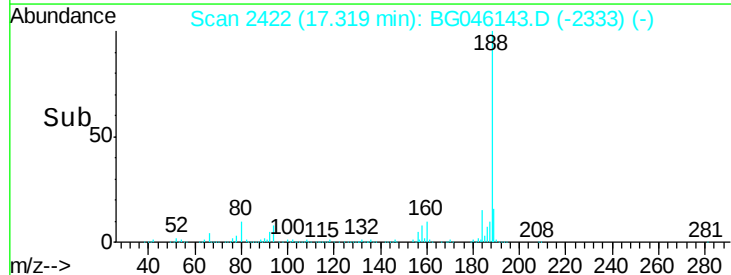
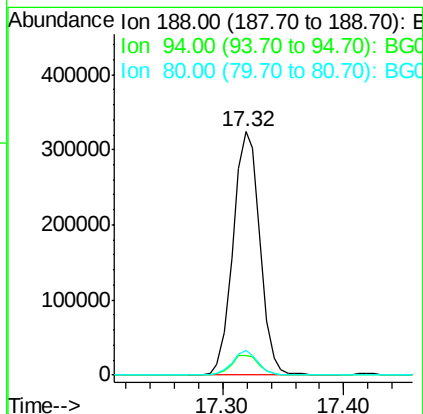
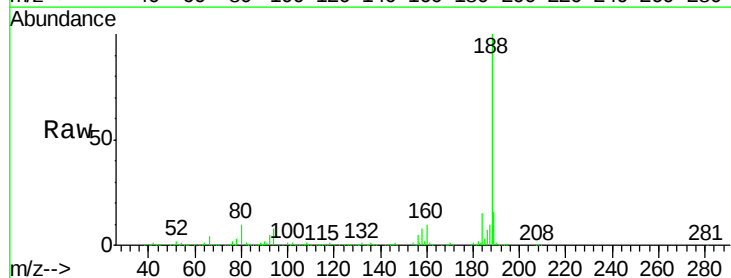
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

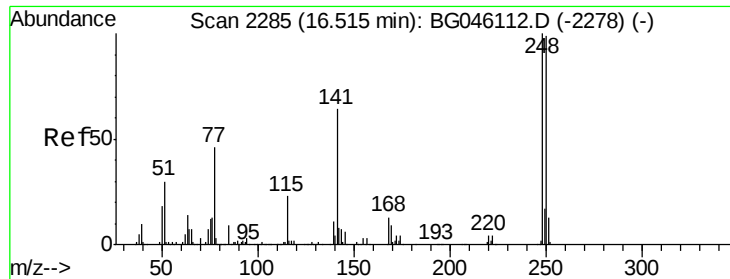
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.1	45.1#
89	1.7	51.4	77.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046143.D
 Acq: 1 Aug 2020 4:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.4	9.6
80	10.3	7.4	11.0

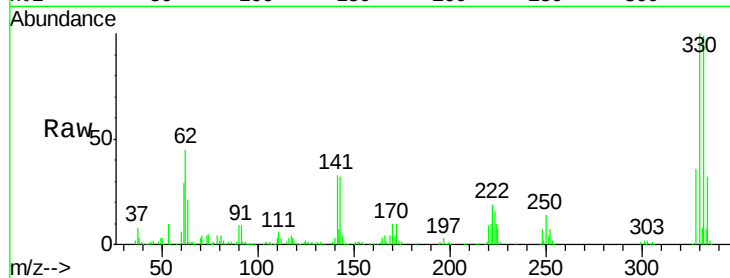




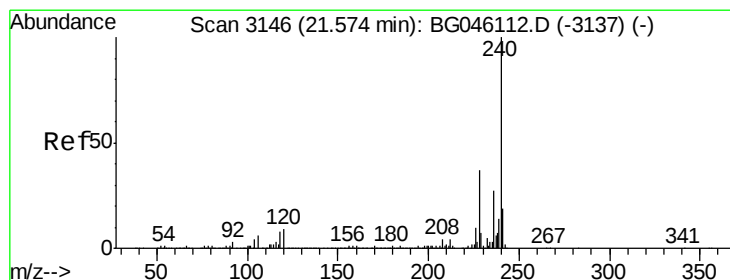
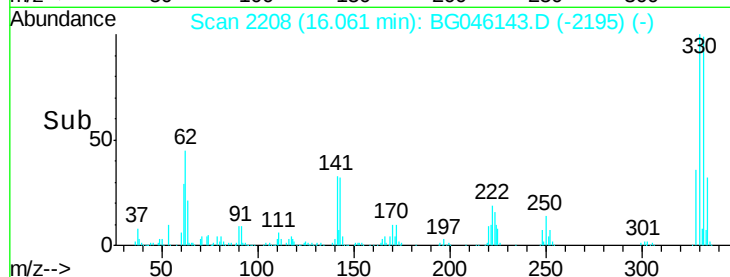
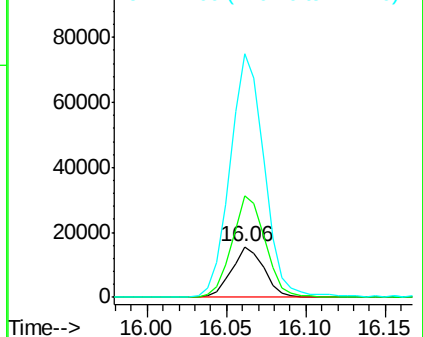
#67
4-Bromophenyl-phenylether
Concen: 3.611 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.45 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

Instrument :
BNA_G
ClientSampled :
TP-2

Tot Ion:248 Resp: 22367
Ion Ratio Lower Upper
248 100
250 200.5 79.4 119.0#
141 480.7 50.9 76.3#

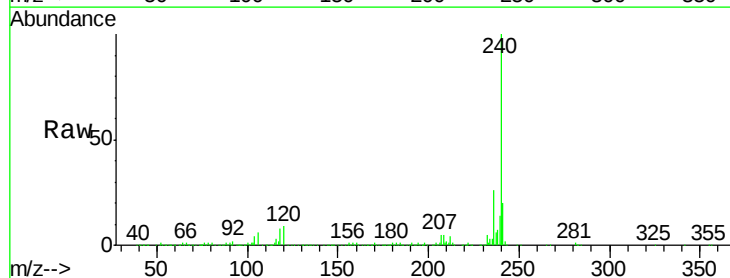


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

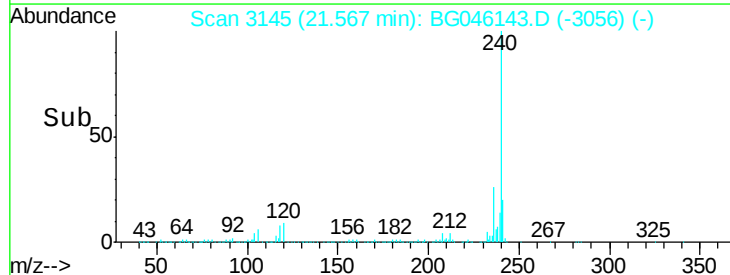
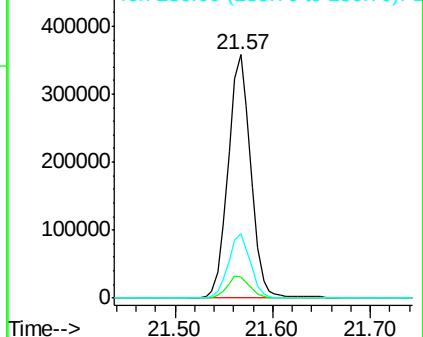


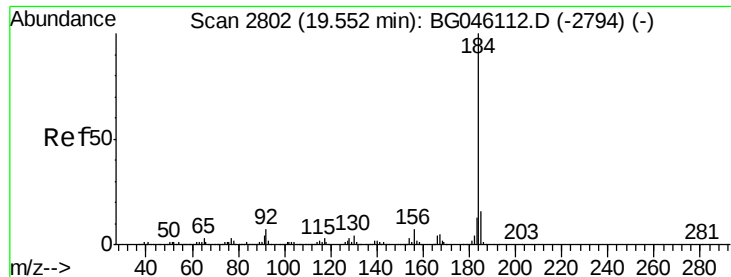
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

Tgt Ion:240 Resp: 578688
Ion Ratio Lower Upper
240 100
120 8.8 7.1 10.7
236 26.2 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

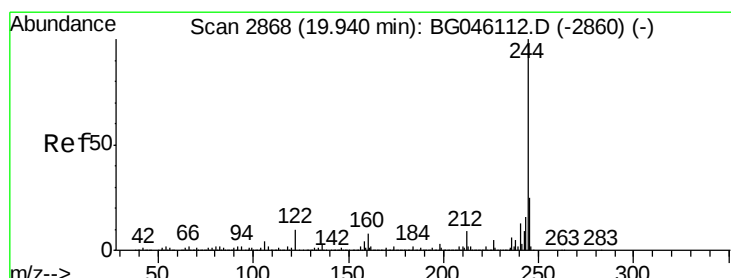
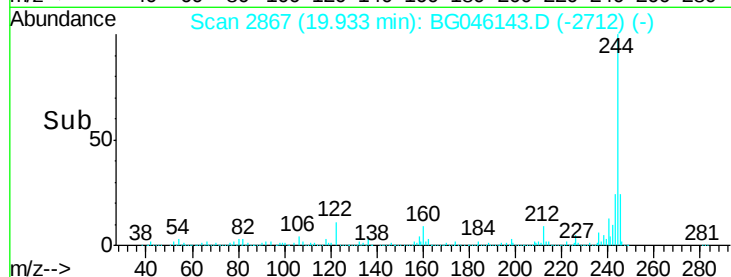
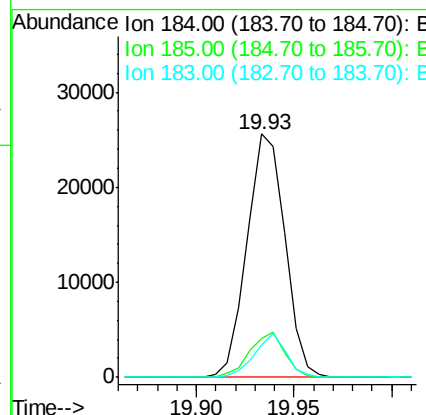
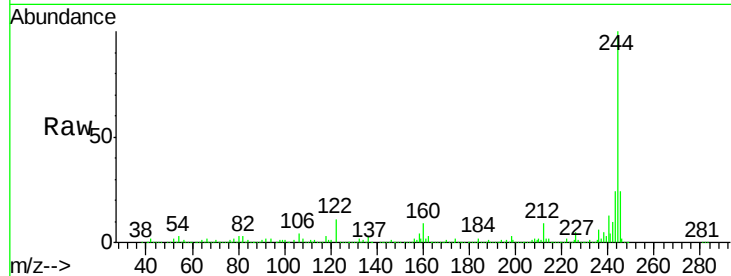




#77
Benzidine
Concen: 2.102 ng
RT: 19.93 min Scan# 2867
Delta R.T. 0.38 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

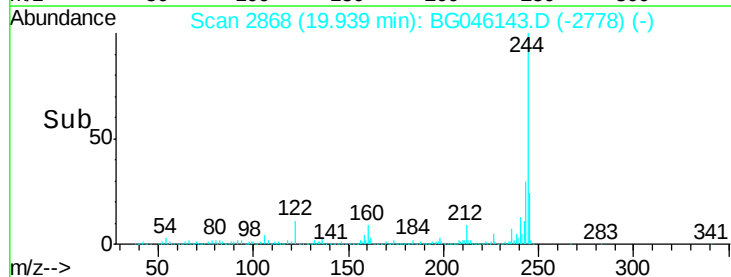
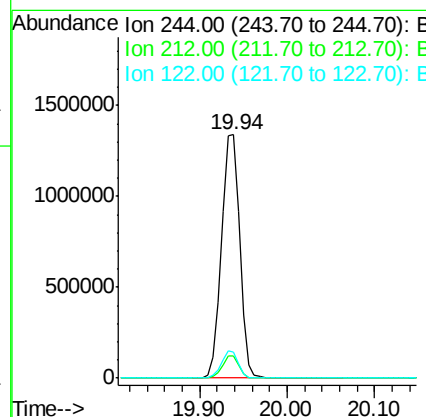
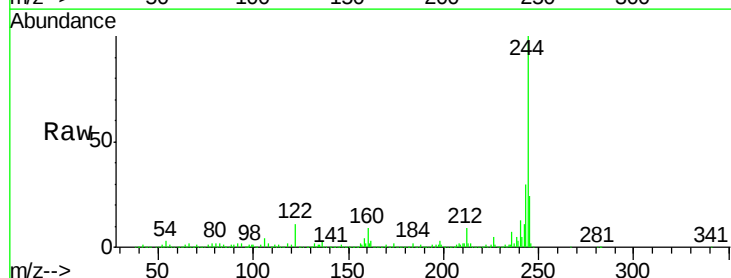
Instrument :
BNA_G
ClientSampleId :
TP-2

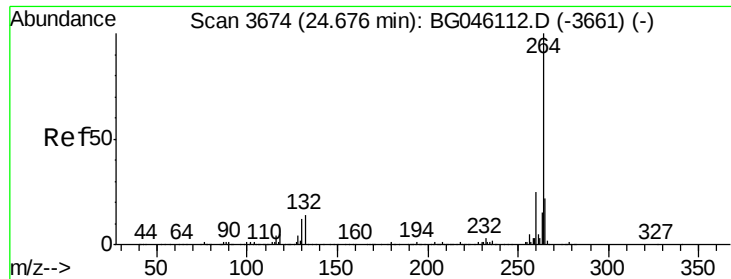
Tot Ion:184 Resp: 34456
Ion Ratio Lower Upper
184 100
185 16.0 13.0 19.4
183 13.2 10.5 15.7



#79
Terphenyl-d14
Concen: 68.885 ng
RT: 19.94 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

Tgt Ion:244 Resp: 1957311
Ion Ratio Lower Upper
244 100
212 9.3 7.2 10.8
122 10.5 8.3 12.5





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG046143.D
Acq: 1 Aug 2020 4:15

Instrument :
BNA_G
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.2	17.6	26.4

