

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\
 Data File : BG046145.D
 Acq On : 1 Aug 2020 5:35
 Operator : CG/JU
 Sample : L3511-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP

Quant Time: Aug 01 06:19:26 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

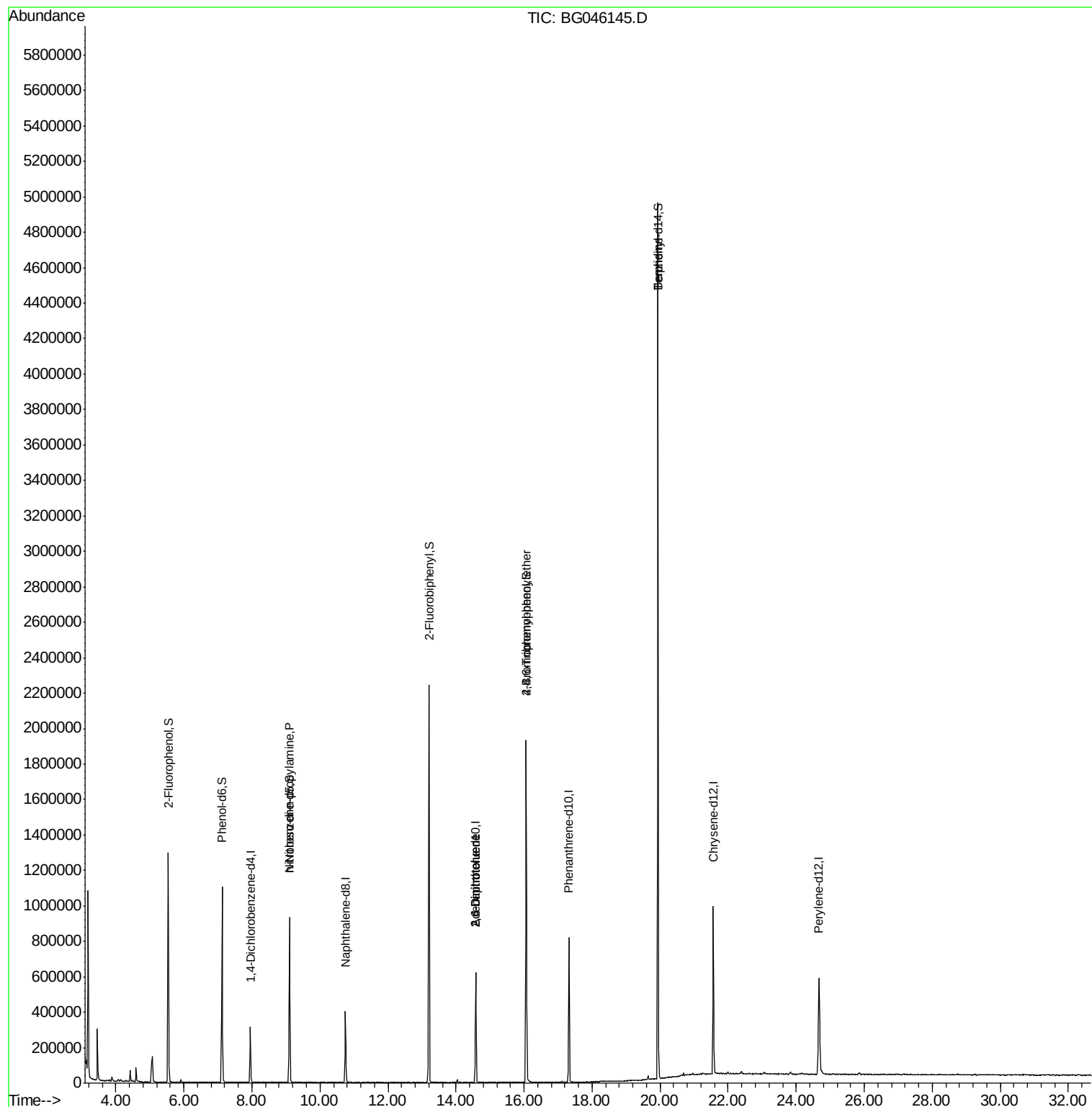
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	94153	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	351304	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	220920	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	518845	20.00	ng	0.00
76) Chrysene-d12	21.56	240	593150	20.00	ng	-0.01
86) Perylene-d12	24.68	264	600134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	559394	103.28	ng	0.00
7) Phenol-d6	7.12	99	645322	87.42	ng	0.00
23) Nitrobenzene-d5	9.11	82	551799	85.04	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	399149	117.63	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	1195094	78.58	ng	0.00
79) Terphenyl-d14	19.93	244	2076991	71.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	73772	15.356	ng	# 79
51) 2,6-Dinitrotoluene	14.58	165	29446	7.462	ng	# 29
57) 2,4-Dinitrotoluene	14.58	165	29446	5.427	ng	# 28
67) 4-Bromophenyl-phenylether	16.06	248	24883	3.882	ng	# 1
77) Benzidine	19.93	184	37159	2.212	ng	96

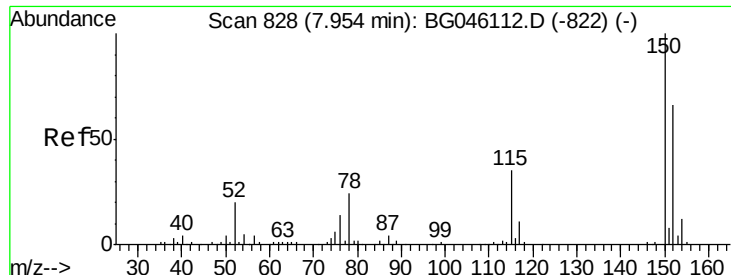
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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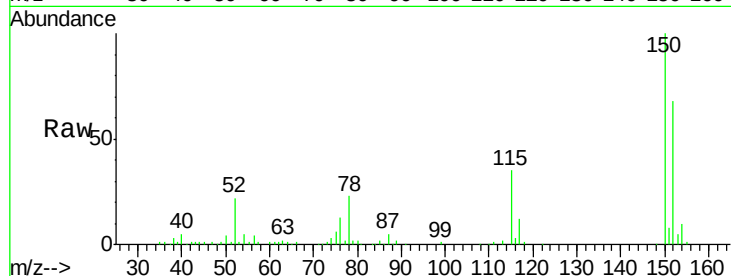


#1

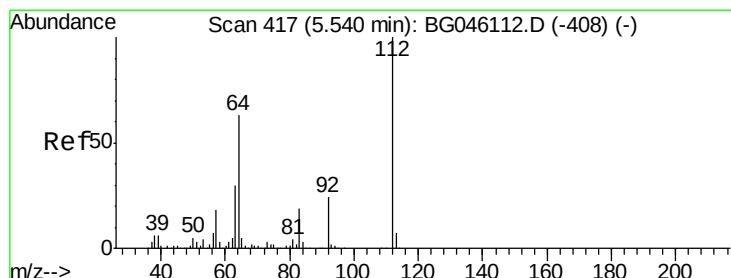
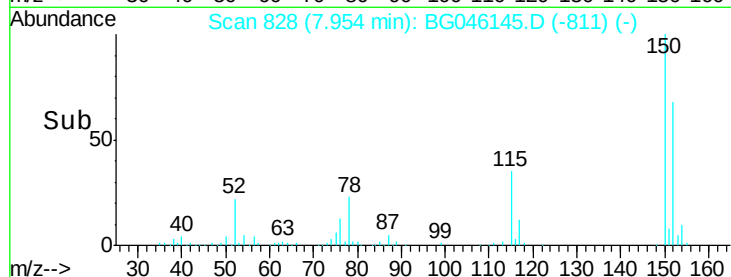
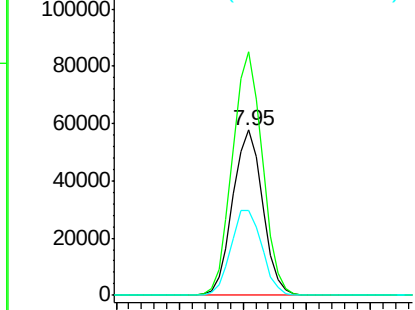
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Instrument :
BNA_G
ClientSampled :
SP

Tot Ion:152 Resp: 94153
Ion Ratio Lower Upper
152 100
150 147.5 122.1 183.1
115 51.8 43.2 64.8



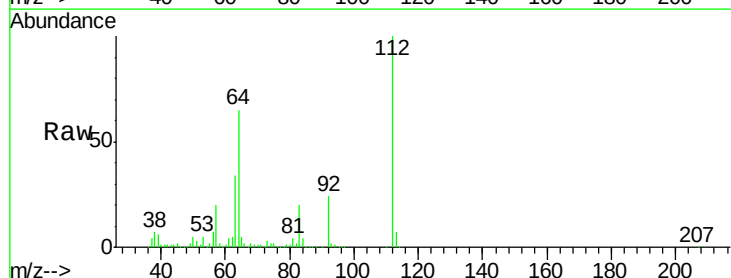
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



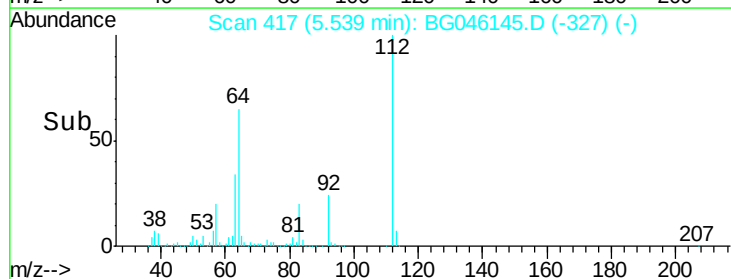
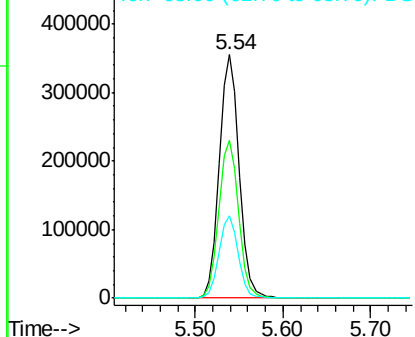
#5

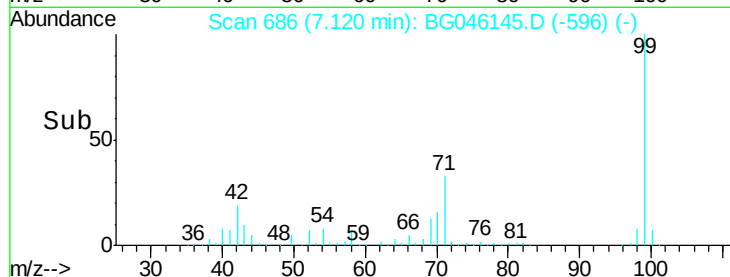
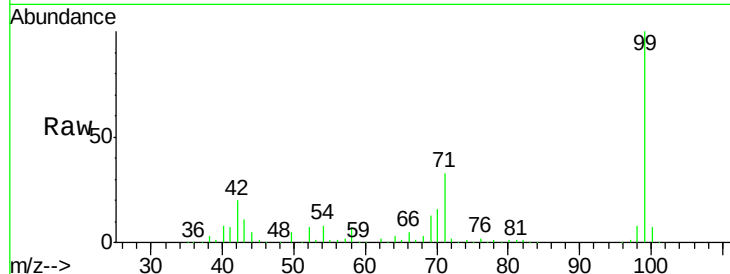
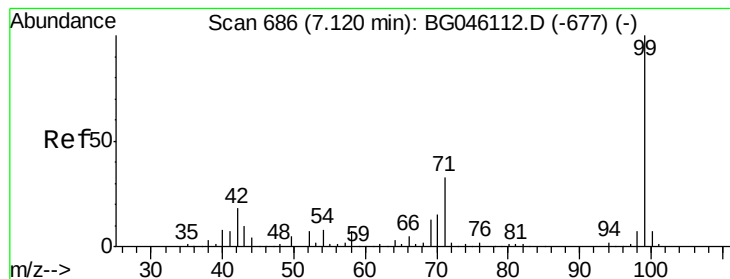
2-Fluorophenol
Concen: 103.282 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Tgt Ion:112 Resp: 559394
Ion Ratio Lower Upper
112 100
64 64.6 50.2 75.2
63 33.6 24.2 36.4



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: 87.424 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

Instrument :

BNA_G

ClientSampled :

SP

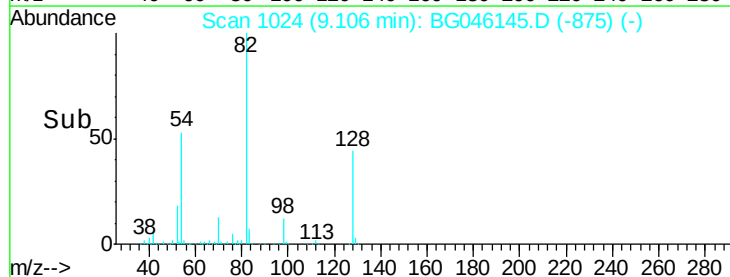
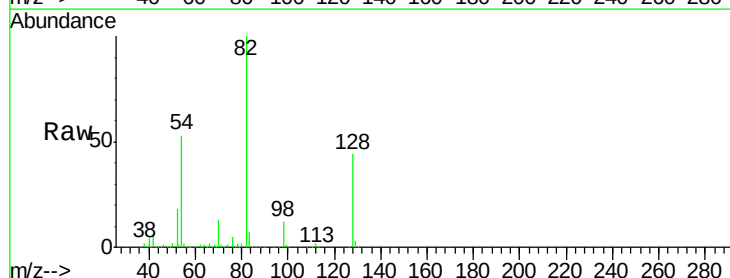
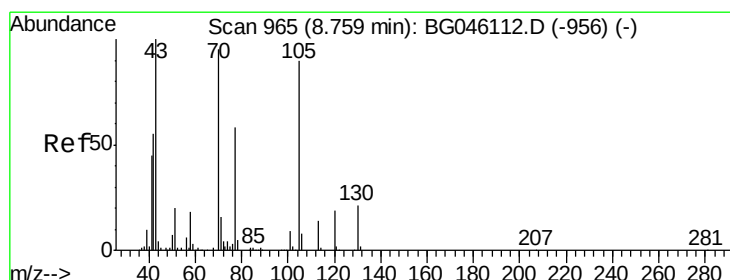
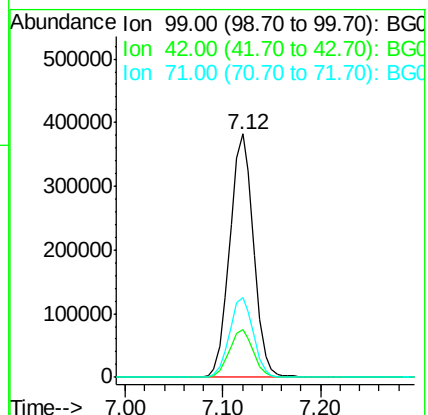
Tot Ion: 99 Resp: 645322

Ion Ratio Lower Upper

99 100

42 19.5 14.7 22.1

71 32.6 26.5 39.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.356 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

Tgt Ion: 70 Resp: 73772

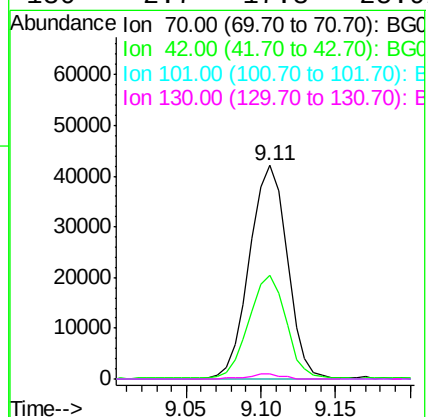
Ion Ratio Lower Upper

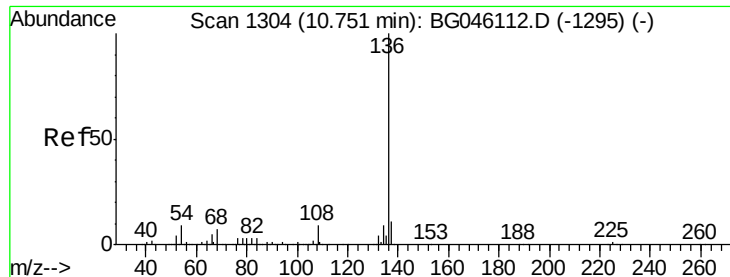
70 100

42 48.5 46.5 69.7

101 0.0 7.6 11.4#

130 2.7 17.3 25.9#

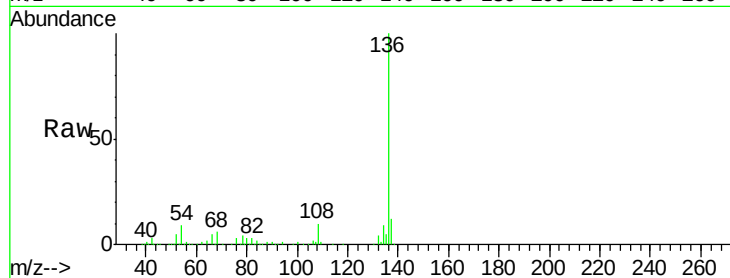




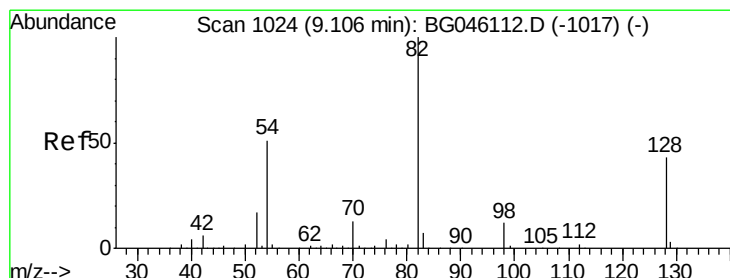
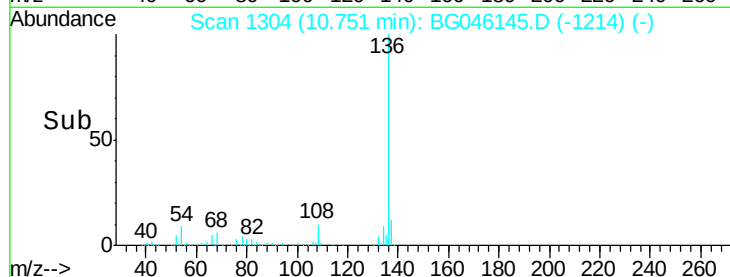
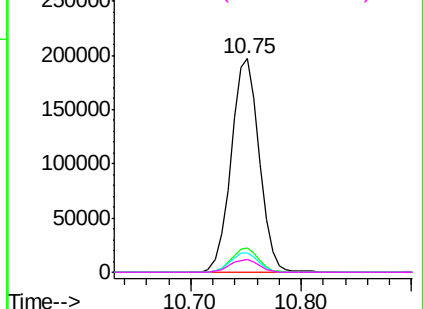
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Instrument :
BNA_G
ClientSampleId :
SP

Tot Ion:136	Resp:	351304
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.8 13.2
54	9.2	7.0 10.4
68	5.8	5.3 7.9

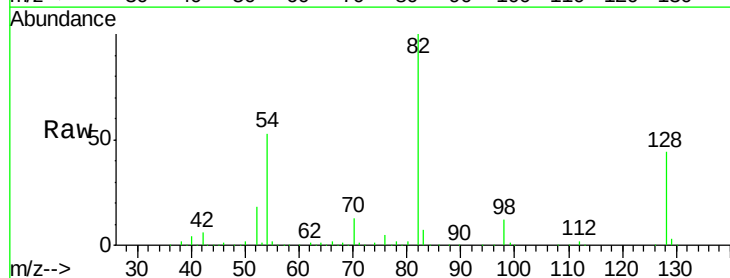


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

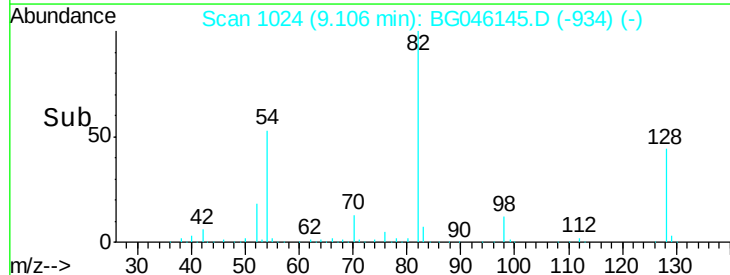
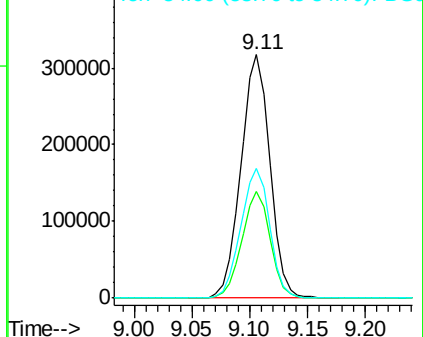


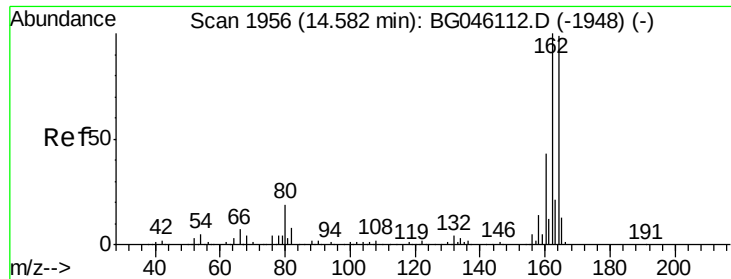
#23
Nitrobenzene-d5
Concen: 85.043 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Tgt Ion: 82	Resp:	551799
Ion	Ratio	Lower Upper
82	100	
128	43.8	34.4 51.6
54	53.3	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# 1955

Delta R.T. -0.01 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

Instrument :

BNA_G

ClientSampleId :

SP

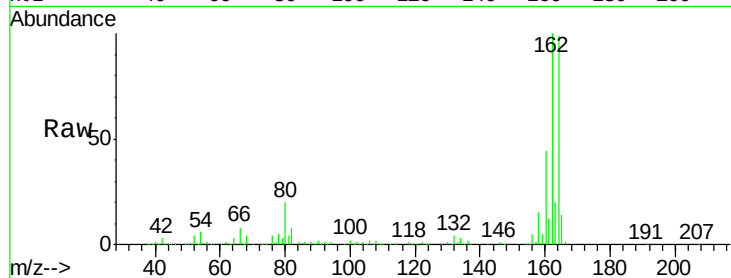
Tot Ion:164 Resp: 220920

Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

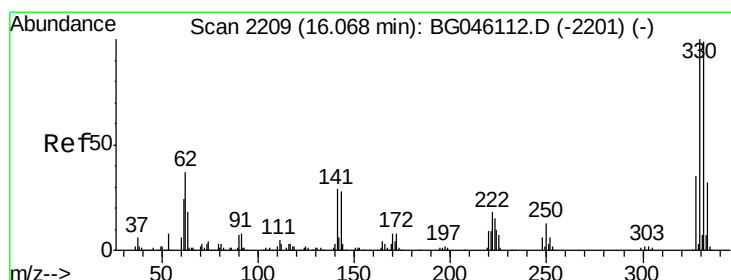
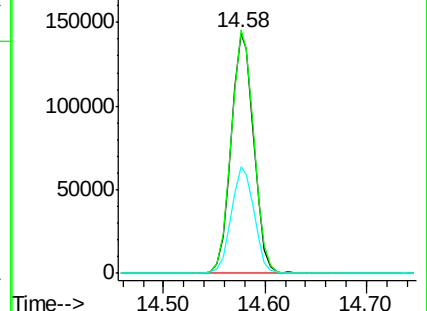
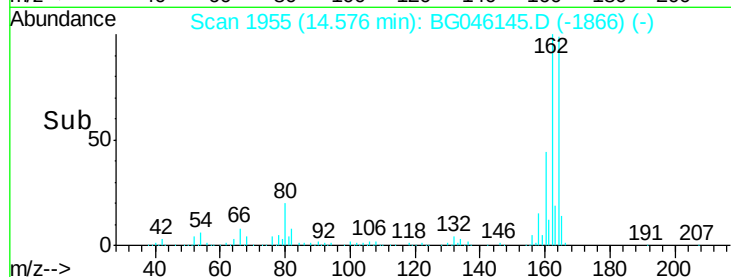
160 44.6 34.9 52.3



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: 117.629 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

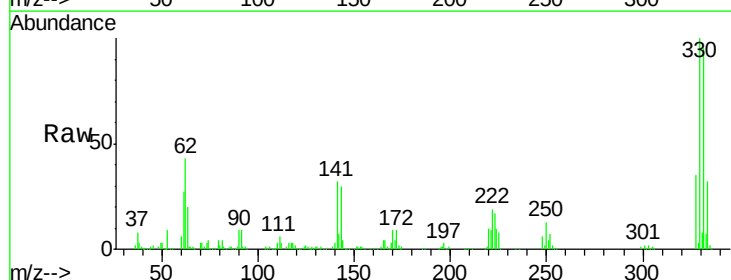
Tgt Ion:330 Resp: 399149

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

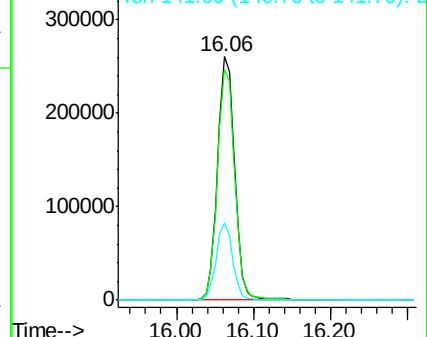
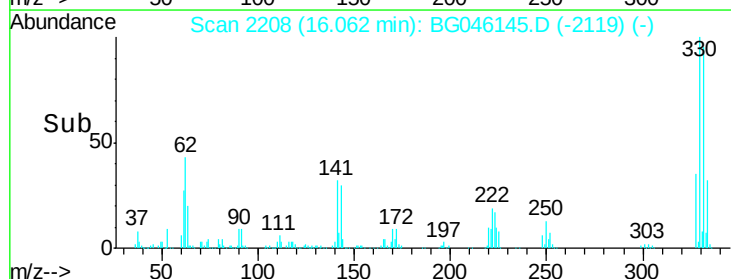
141 30.8 23.4 35.0

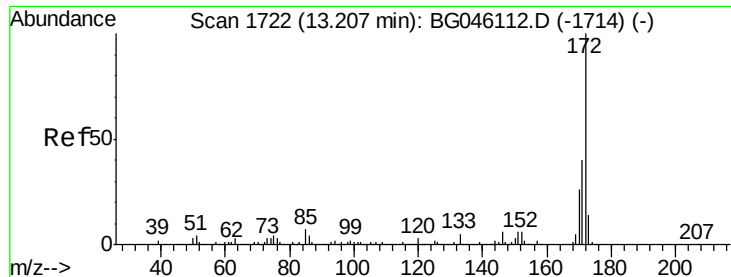


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

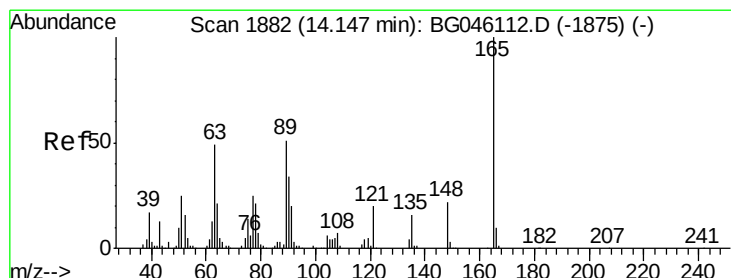
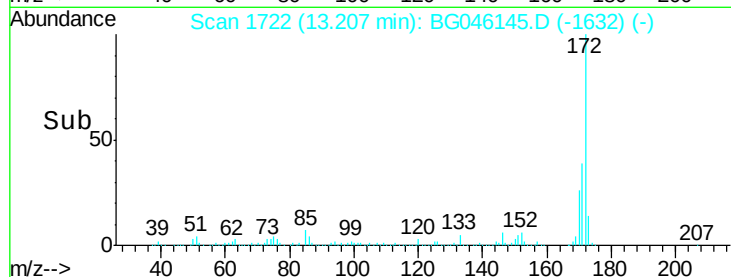
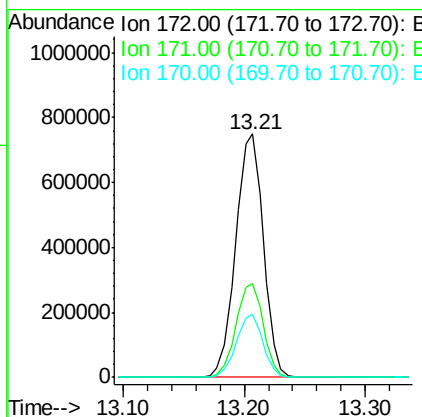
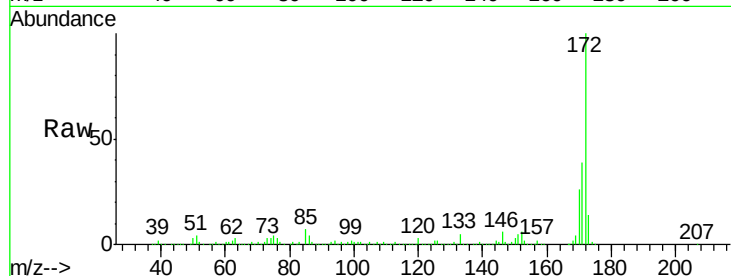




#45
2-Fluorobiphenyl
Concen: 78.582 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

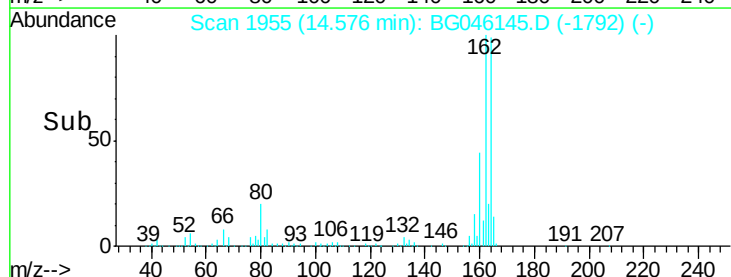
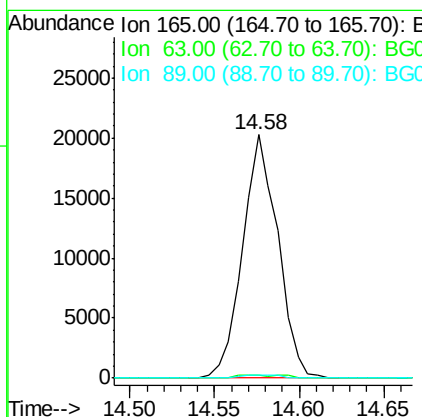
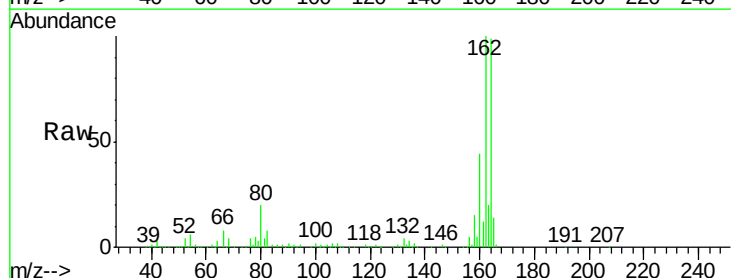
Instrument :
BNA_G
ClientSampled :
SP

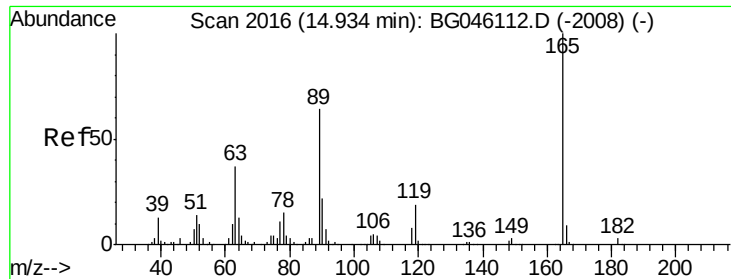
Tot Ion:172 Resp: 1195094
Ion Ratio Lower Upper
172 100
171 38.8 31.7 47.5
170 25.7 20.9 31.3



#51
2,6-Dinitrotoluene
Concen: 7.462 ng
RT: 14.58 min Scan# 1955
Delta R.T. 0.43 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Tgt Ion:165 Resp: 29446
Ion Ratio Lower Upper
165 100
63 1.0 39.7 59.5#
89 1.2 41.0 61.6#

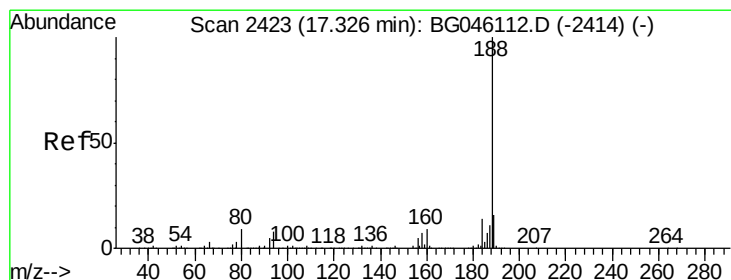
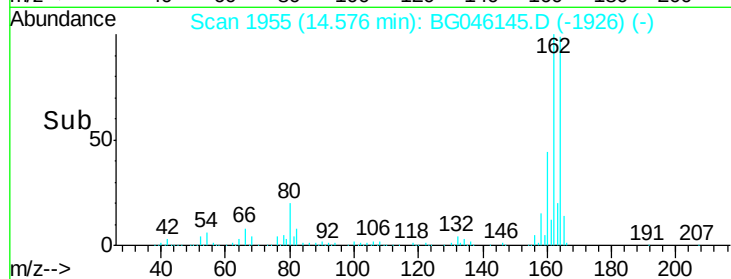
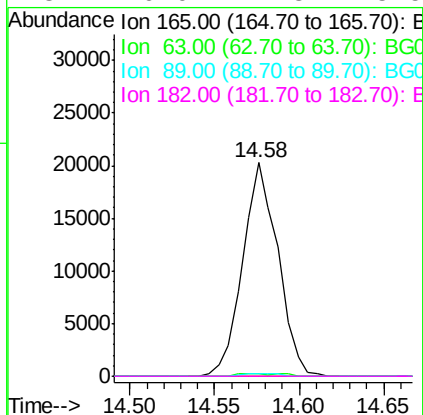
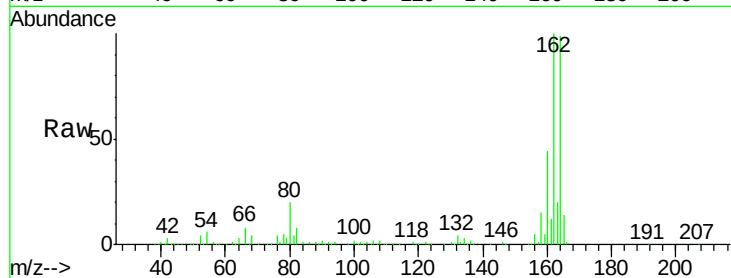




#57
 2,4-Dinitrotoluene
 Concen: 5.427 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.36 min
 Lab File: BG046145.D
 Acq: 1 Aug 2020 5:35

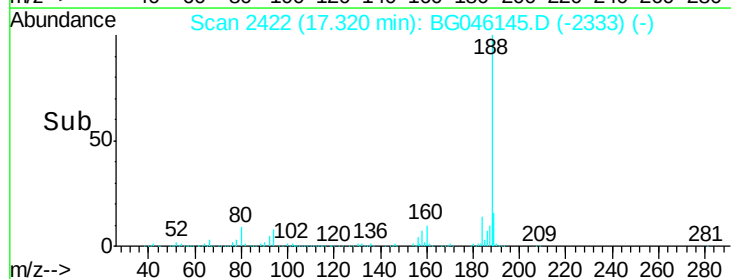
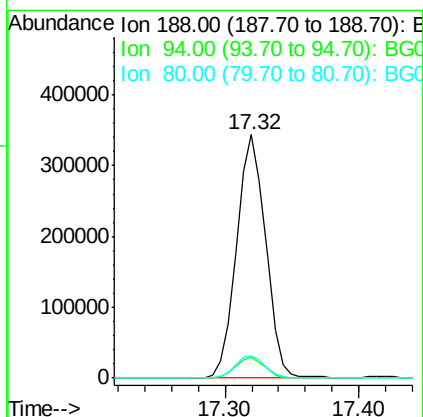
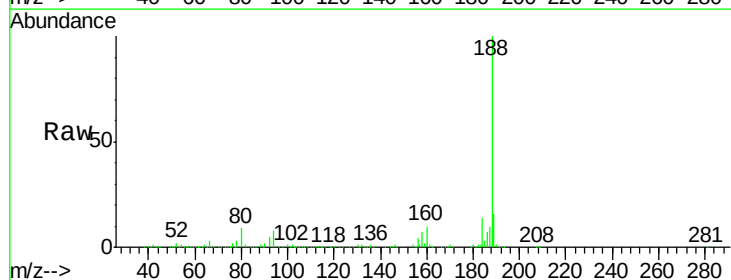
Instrument :
 BNA_G
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 SP

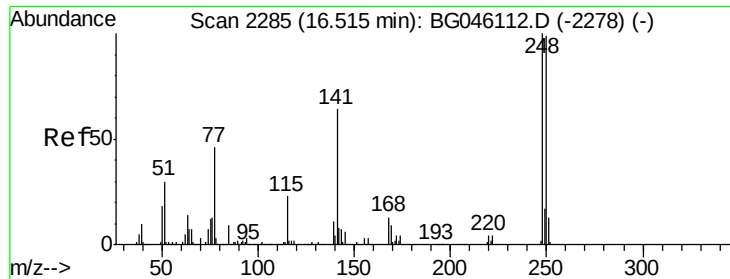
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.1	45.1#
89	1.2	51.4	77.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046145.D
 Acq: 1 Aug 2020 5:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.4	9.6
80	9.0	7.4	11.0

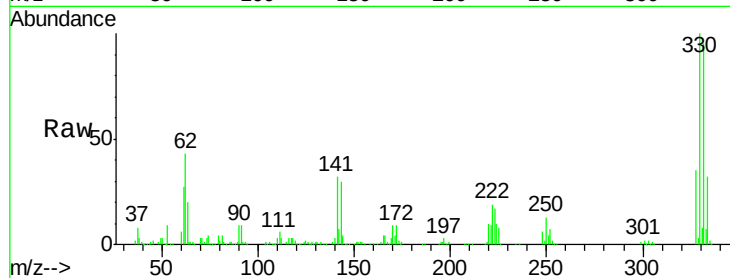




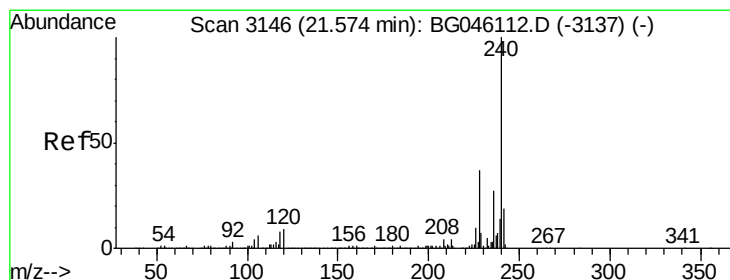
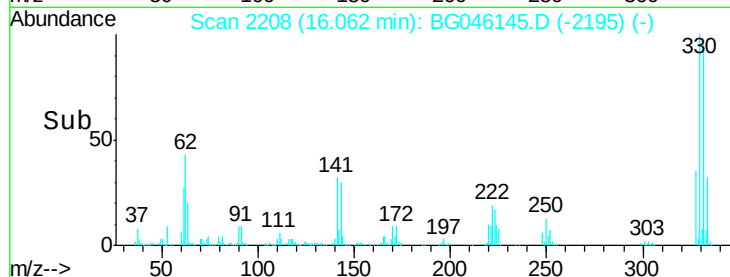
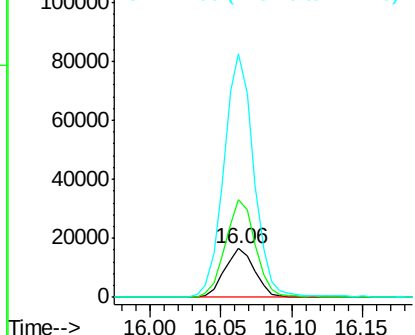
#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.45 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Instrument :
BNA_G
ClientSampled :
SP

Tot Ion:248 Resp: 24883
Ion Ratio Lower Upper
248 100
250 200.0 79.4 119.0#
141 500.3 50.9 76.3#

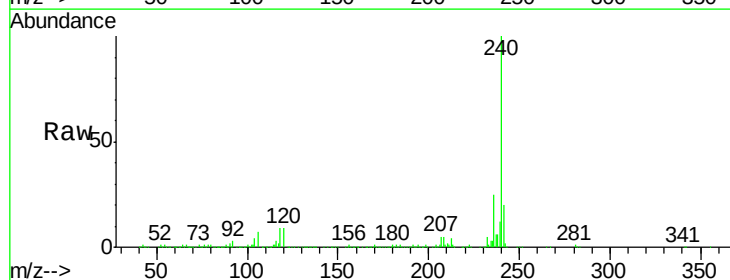


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

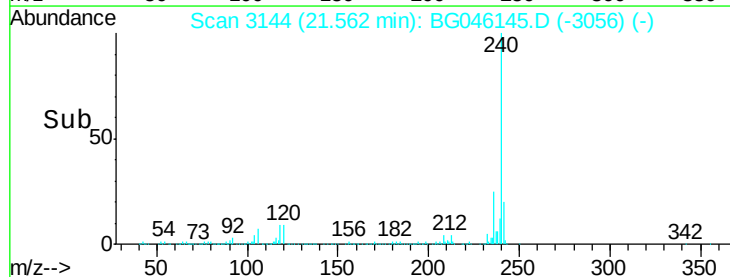
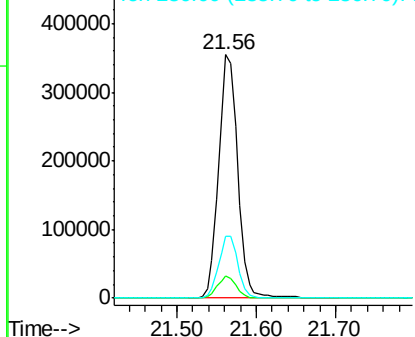


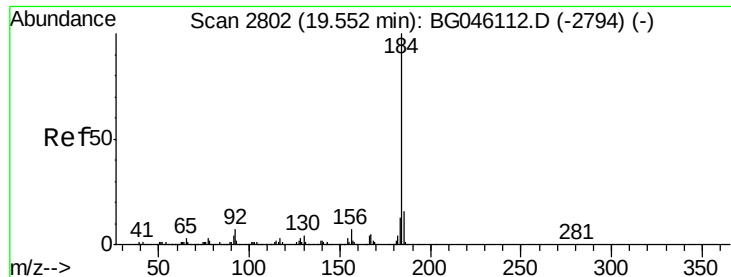
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG046145.D
Acq: 1 Aug 2020 5:35

Tgt Ion:240 Resp: 593150
Ion Ratio Lower Upper
240 100
120 9.2 7.1 10.7
236 25.5 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: 2.212 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.38 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

Instrument :

BNA_G

ClientSampleId :

SP

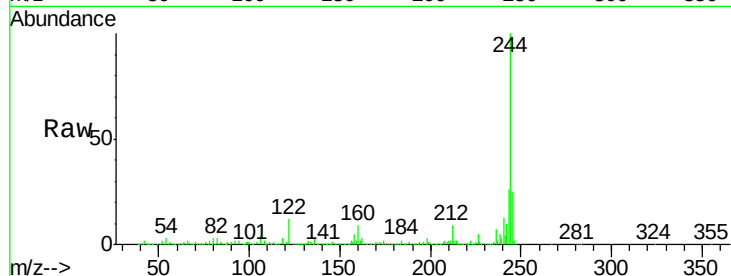
Tot Ion:184 Resp: 37159

Ion Ratio Lower Upper

184 100

185 17.7 13.0 19.4

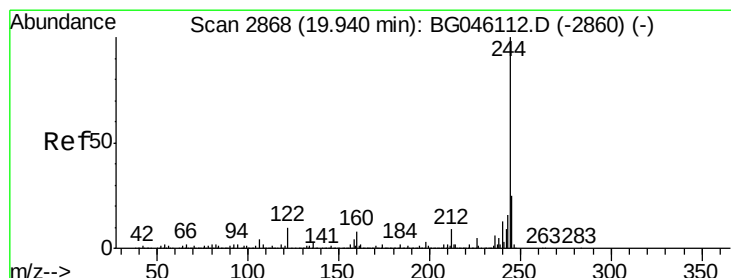
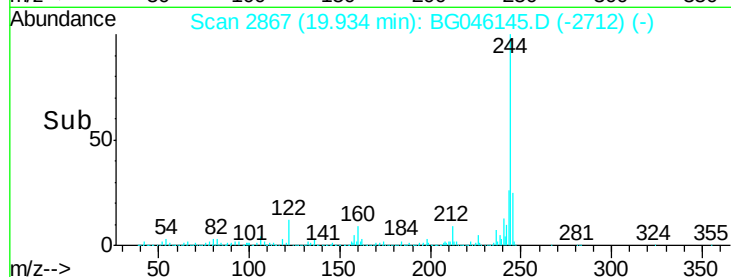
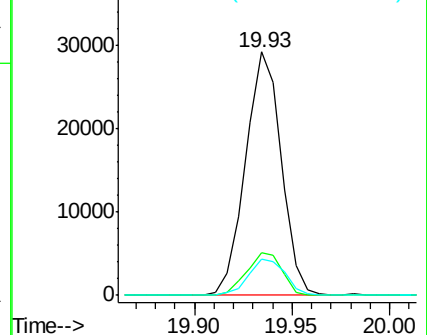
183 15.0 10.5 15.7



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: 71.315 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046145.D

Acq: 1 Aug 2020 5:35

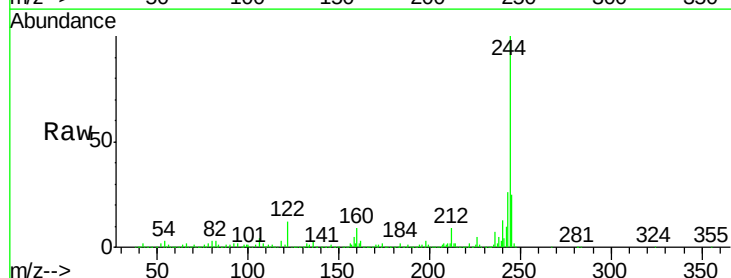
Tgt Ion:244 Resp: 2076991

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

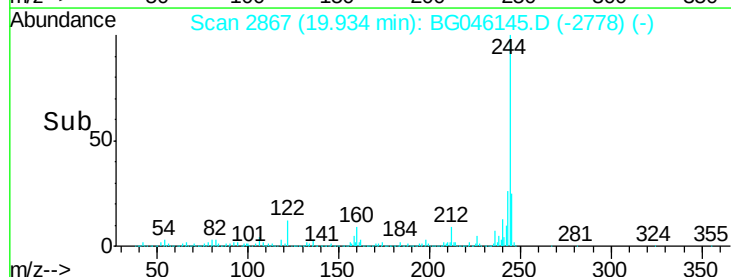
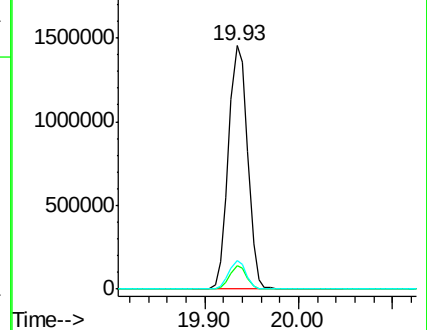
122 11.7 8.3 12.5

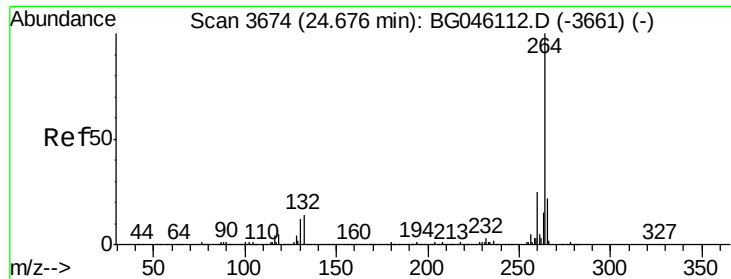


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

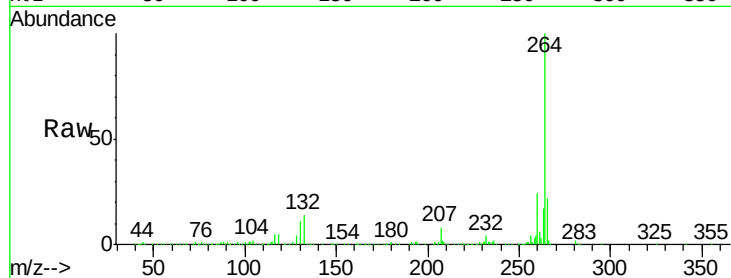




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.68 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: BG046145.D
 Acq: 1 Aug 2020 5:35

Instrument :
 BNA_G
 ClientSampleId :
 SP

Tot Ion:264 Resp: 600134
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.7 29.5
 265 22.4 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

