

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060718.D
 Acq On : 1 Apr 2024 16:46
 Operator : MA/JU
 Sample : PB159867BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB159867BL

Quant Time: Apr 01 17:21:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

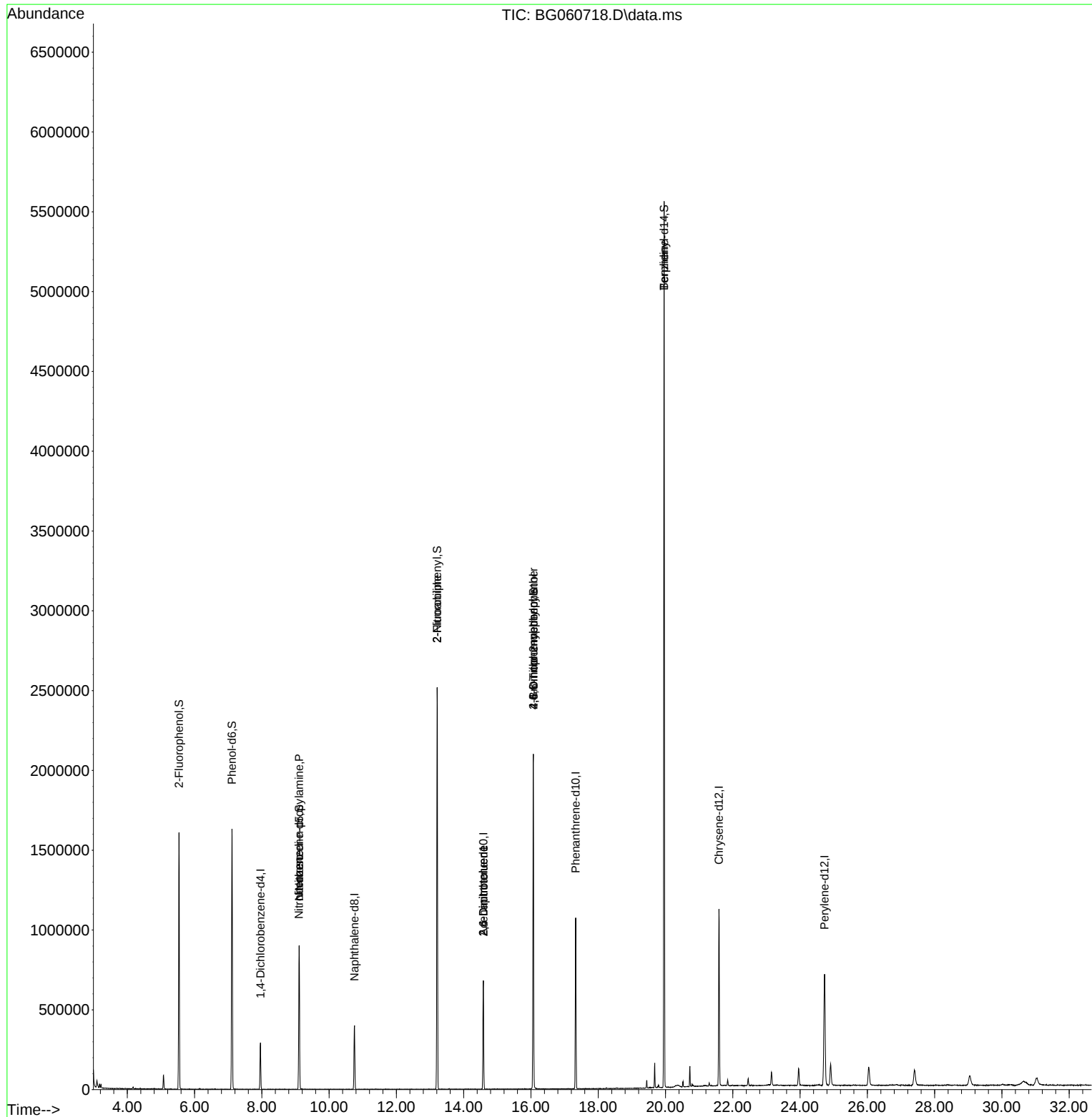
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	75708	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	322599	20.000	ng	0.00
39) Acenaphthene-d10	14.585	164	238047	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	647315	20.000	ng	0.00
76) Chrysene-d12	21.589	240	637061	20.000	ng	-0.02
86) Perylene-d12	24.726	264	728375	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	622797	137.041	ng	0.00
7) Phenol-d6	7.111	99	858366	127.242	ng	0.00
23) Nitrobenzene-d5	9.109	82	477888	84.529	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	390976	144.687	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	1313089	80.956	ng	0.00
79) Terphenyl-d14	19.961	244	2792993	77.198	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.109	70	63314	12.307	ng	# 75
24) Nitrobenzene	9.103	77	1696	3.027	ng	# 42
48) 2-Nitroaniline	13.210	65	2631	3.461	ng	# 12
51) 2,6-Dinitrotoluene	14.585	165	31564	12.181	ng	# 20
57) 2,4-Dinitrotoluene	14.585	165	31564	10.244	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.072	198	1654	7.562	ng	# 1
67) 4-Bromophenyl-phenylether	16.072	248	27103	4.126	ng	# 1
77) Benzidine	19.961	184	47535	2.834	ng	# 91

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

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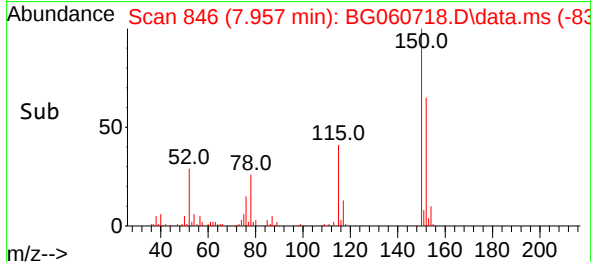
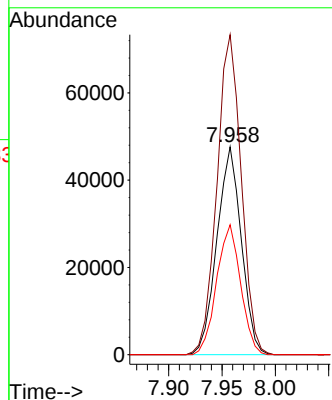
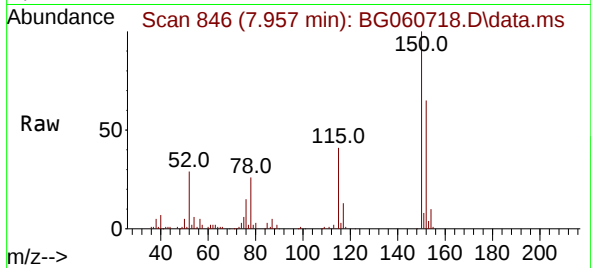




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 846
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

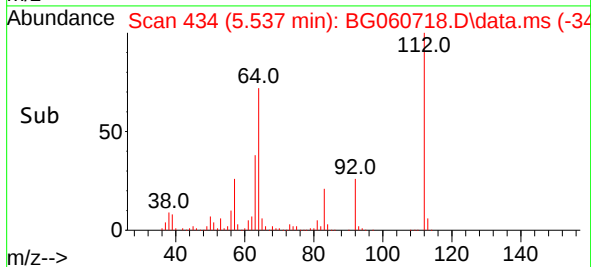
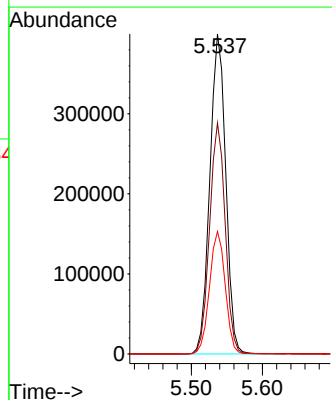
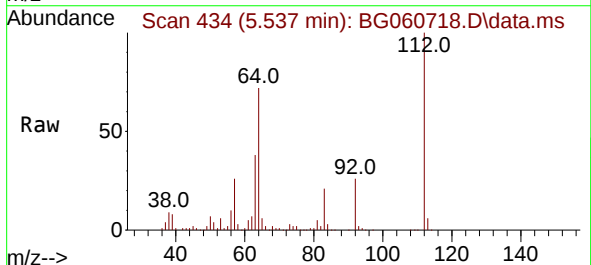
Instrument :
BNA_G
ClientSampleId :
PB159867BL

Tgt Ion:152 Resp: 75708
Ion Ratio Lower Upper
152 100
150 153.9 130.2 195.4
115 62.5 51.6 77.4



#5
2-Fluorophenol
Concen: 137.041 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.002 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Tgt Ion:112 Resp: 622797
Ion Ratio Lower Upper
112 100
64 72.2 58.4 87.6
63 38.3 32.7 49.1

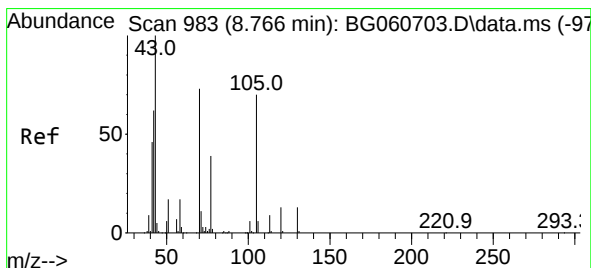
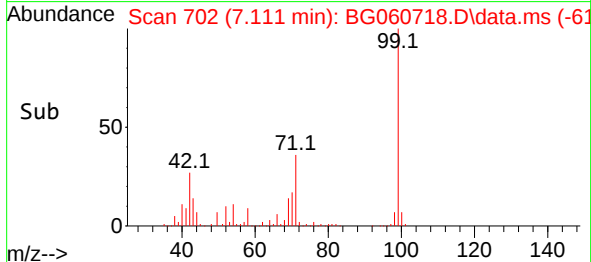
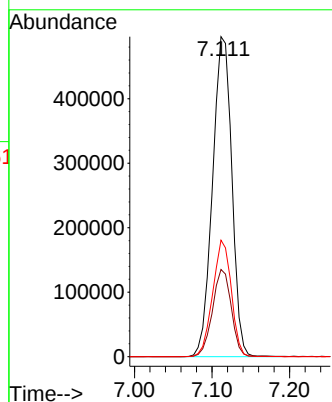
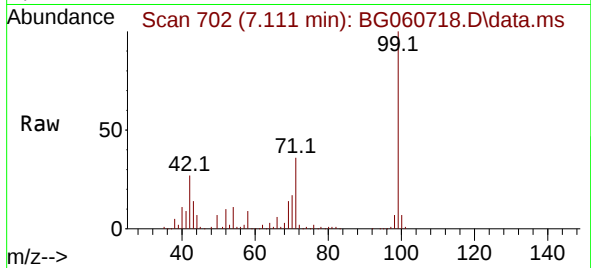




#7
Phenol-d6
Concen: 127.242 ng
RT: 7.111 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

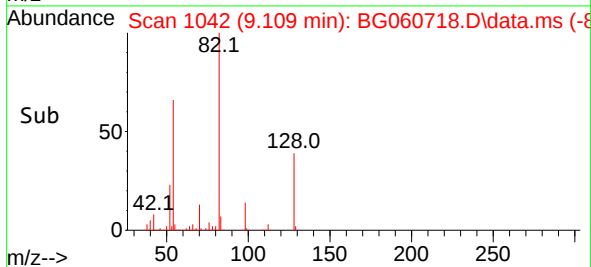
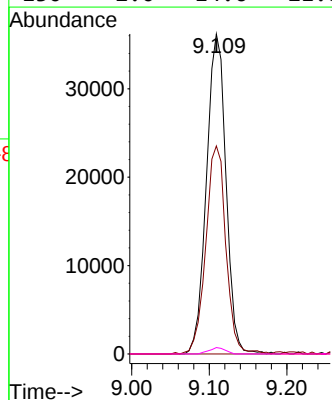
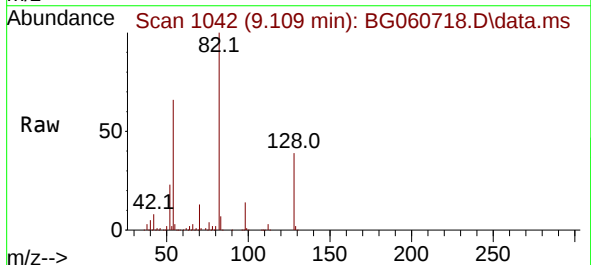
Instrument :
BNA_G
ClientSampleId :
PB159867BL

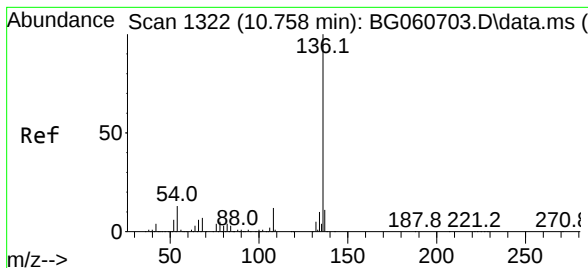
Tgt Ion: 99 Resp: 858366
Ion Ratio Lower Upper
99 100
42 27.3 19.4 29.2
71 36.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.307 ng
RT: 9.109 min Scan# 1042
Delta R.T. 0.343 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Tgt Ion: 70 Resp: 63314
Ion Ratio Lower Upper
70 100
42 65.0 68.4 102.6#
101 0.0 6.1 9.1#
130 2.0 14.6 21.8#

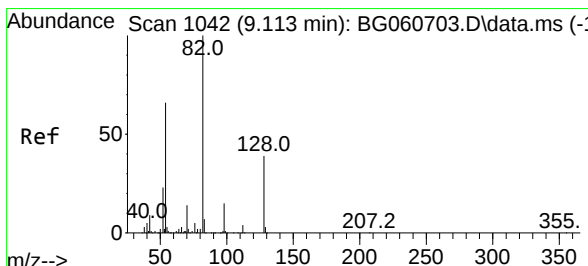
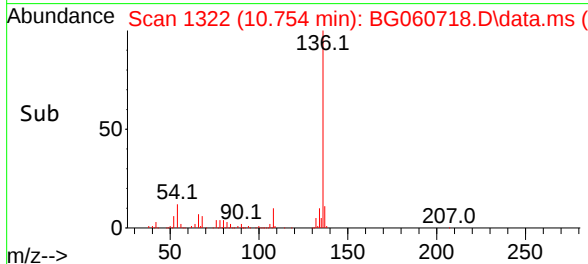
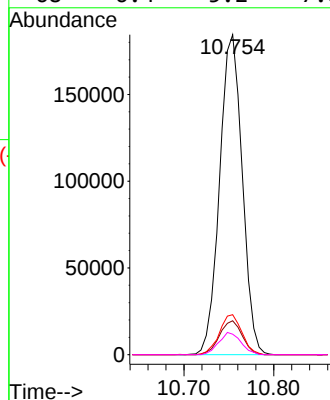
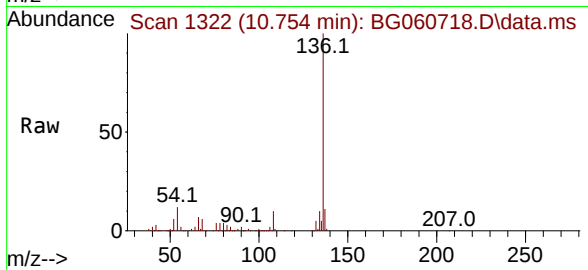




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

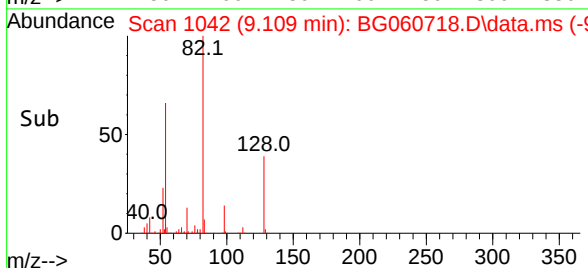
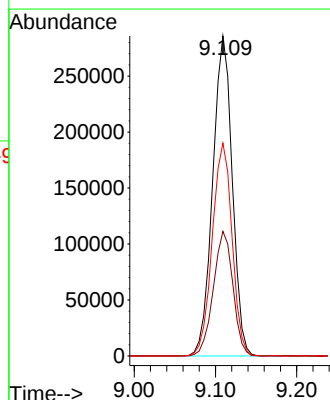
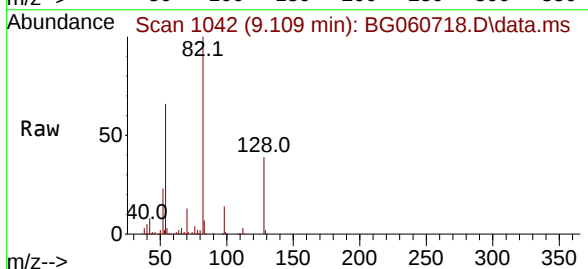
Instrument :
BNA_G
ClientSampleId :
PB159867BL

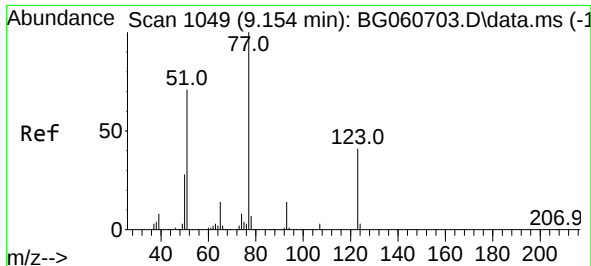
Tgt Ion:136 Resp: 322599
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 12.5 10.2 15.2
68 6.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 84.529 ng
RT: 9.109 min Scan# 1042
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

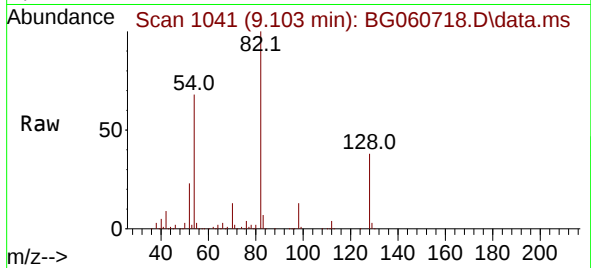
Tgt Ion: 82 Resp: 477888
Ion Ratio Lower Upper
82 100
128 39.0 31.2 46.8
54 66.5 53.2 79.8



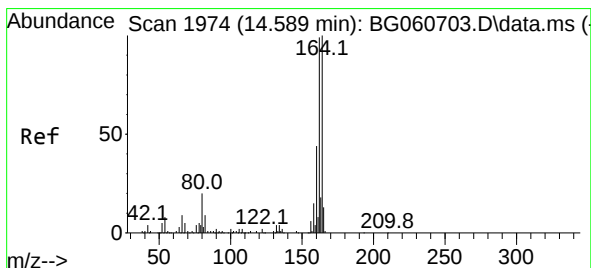
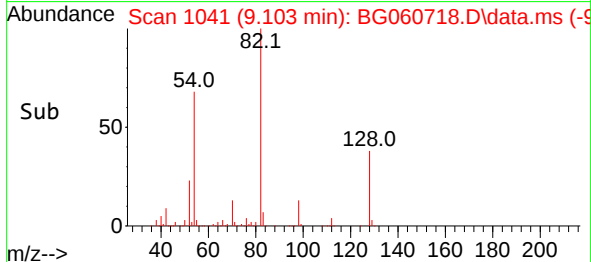
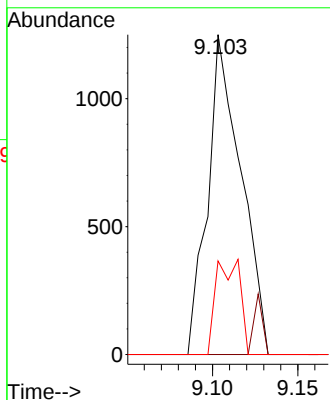


#24
Nitrobenzene
Concen: 3.027 ng
RT: 9.103 min Scan# 1041
Delta R.T. -0.051 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Instrument :
BNA_G
ClientSampleId :
PB159867BL

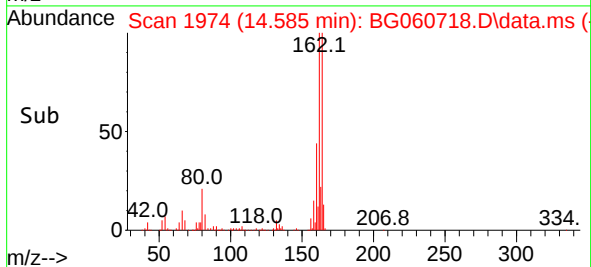
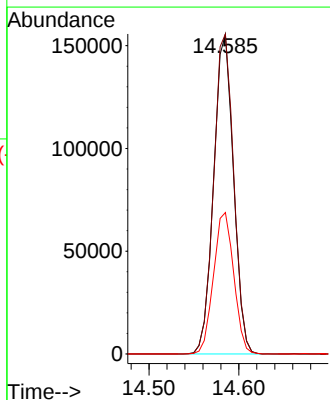
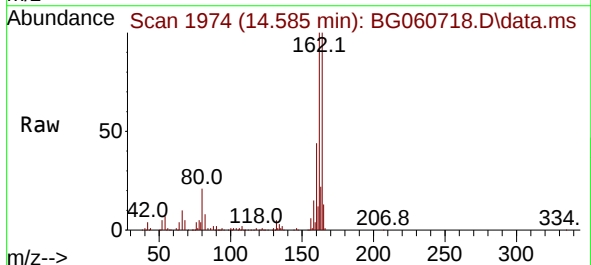


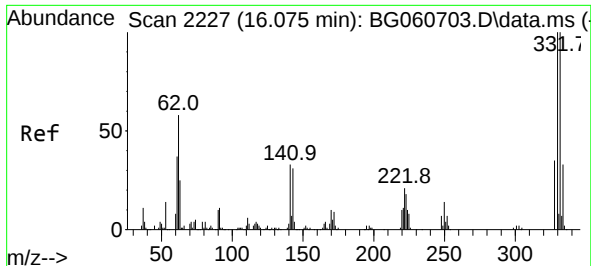
Tgt Ion: 77 Resp: 1696
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 29.3 11.3 16.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.585 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

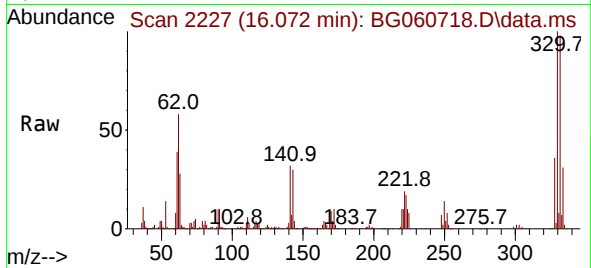
Tgt Ion: 164 Resp: 238047
Ion Ratio Lower Upper
164 100
162 100.1 79.5 119.3
160 44.2 35.4 53.0



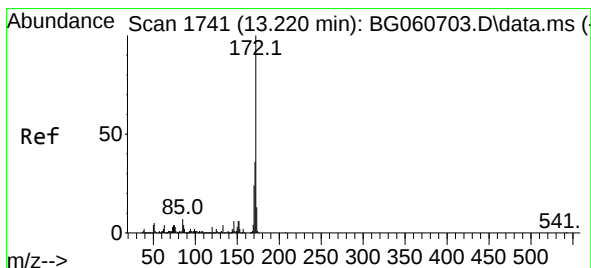
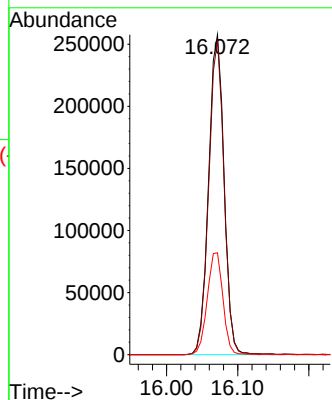
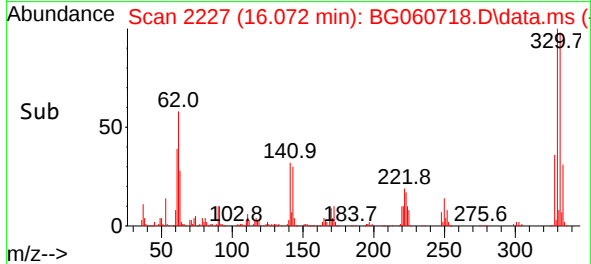


#42
2,4,6-Tribromophenol
Concen: 144.687 ng
RT: 16.072 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

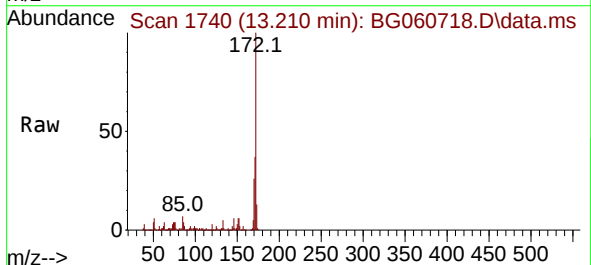
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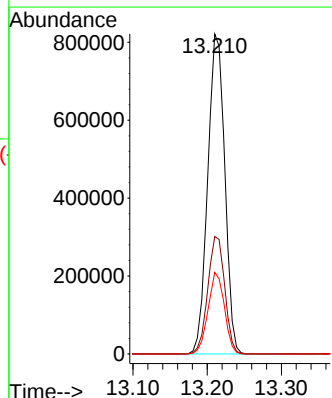
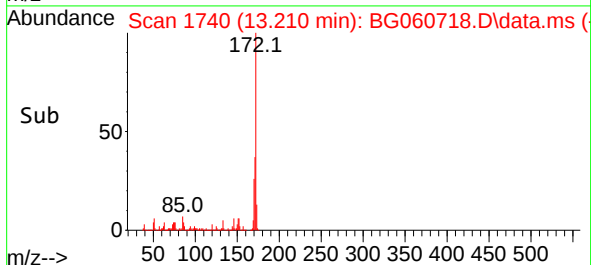
Tgt Ion:330 Resp: 390976
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 32.3 27.0 40.6

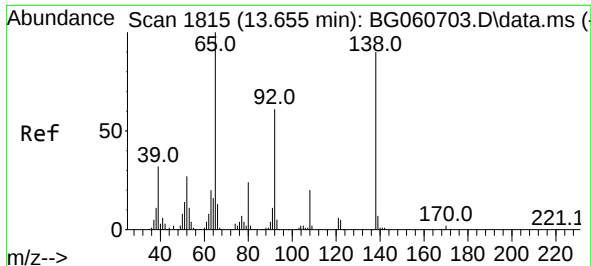


#45
2-Fluorobiphenyl
Concen: 80.956 ng
RT: 13.210 min Scan# 1740
Delta R.T. -0.010 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46



Tgt Ion:172 Resp: 1313089
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 25.5 19.4 29.0

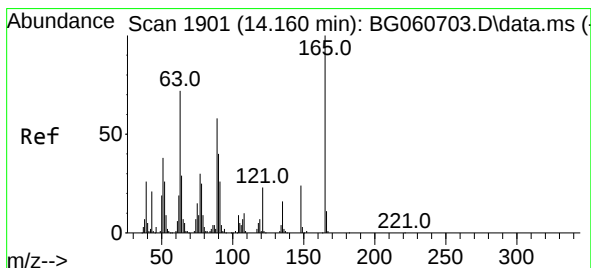
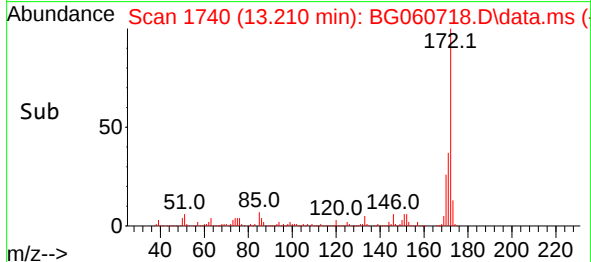
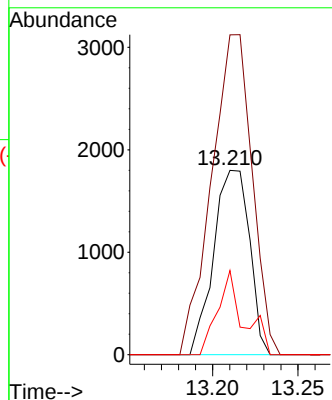
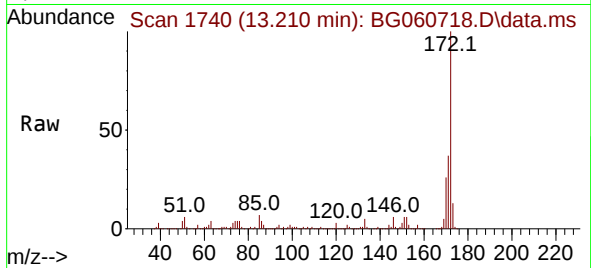




#48
2-Nitroaniline
Concen: 3.461 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.445 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

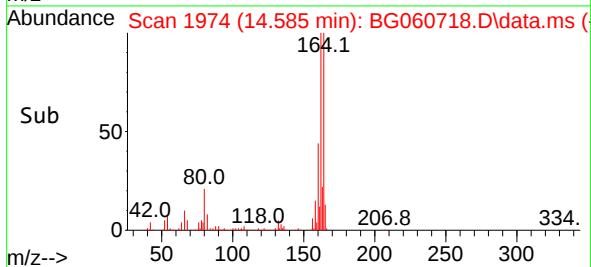
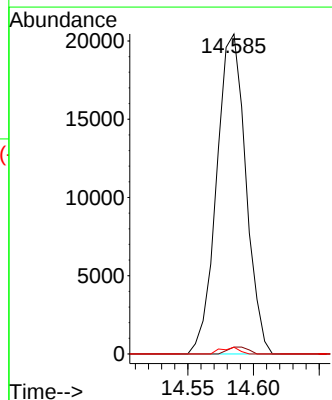
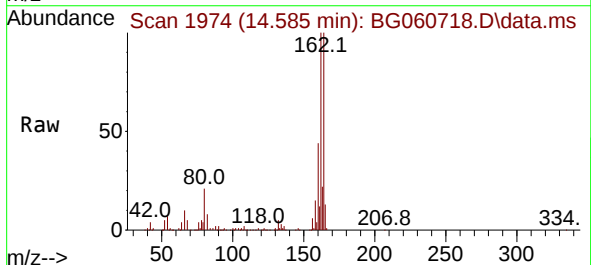
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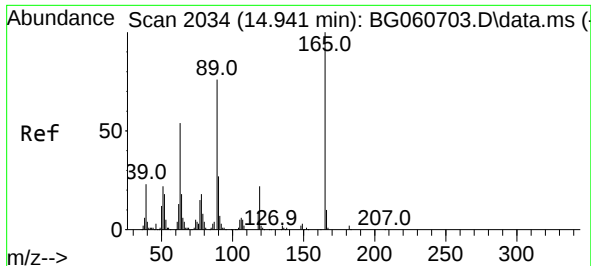
Tgt Ion: 65 Resp: 2631
Ion Ratio Lower Upper
65 100
92 173.4 48.6 72.8#
138 45.6 72.2 108.4#



#51
2,6-Dinitrotoluene
Concen: 12.181 ng
RT: 14.585 min Scan# 1974
Delta R.T. 0.425 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Tgt Ion:165 Resp: 31564
Ion Ratio Lower Upper
165 100
63 2.2 58.2 87.4#
89 2.1 46.1 69.1#





#57

2,4-Dinitrotoluene

Concen: 10.244 ng

RT: 14.585 min Scan# 14

Delta R.T. -0.356 min

Lab File: BG060718.D

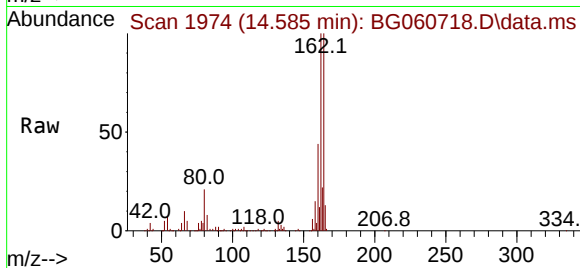
Acq: 1 Apr 2024 16:46

Instrument :

BNA_G

ClientSampleId :

PB159867BL



Tgt Ion:165 Resp: 31564

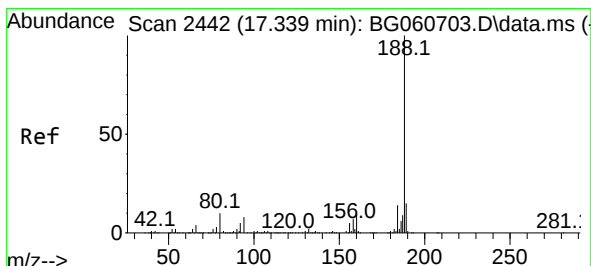
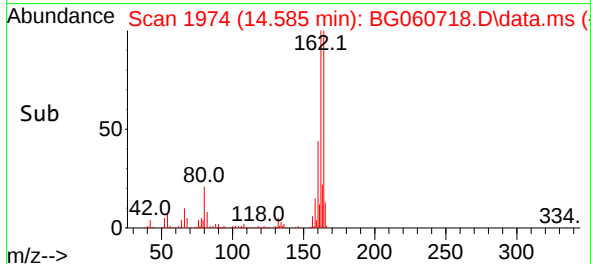
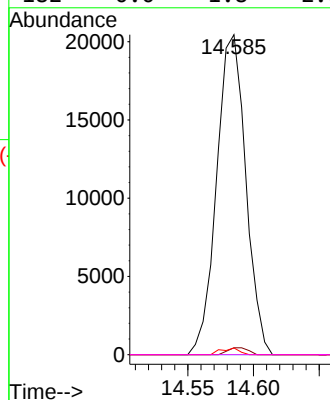
Ion Ratio Lower Upper

165 100

63 2.2 43.4 65.0#

89 2.1 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.329 min Scan# 2441

Delta R.T. -0.010 min

Lab File: BG060718.D

Acq: 1 Apr 2024 16:46

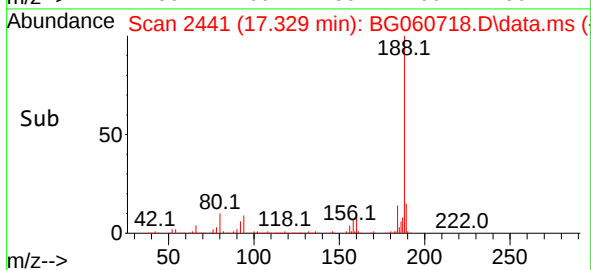
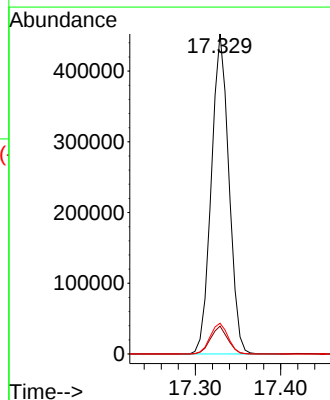
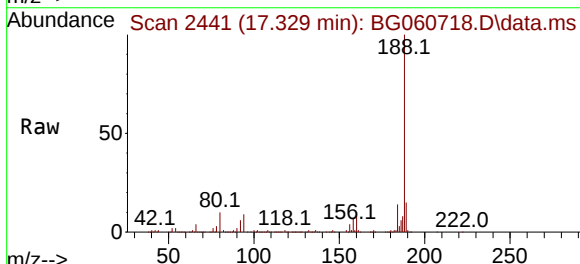
Tgt Ion:188 Resp: 647315

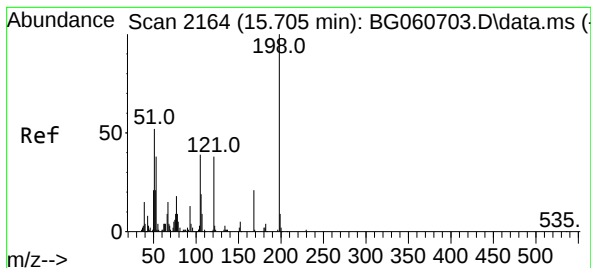
Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

80 9.6 7.6 11.4

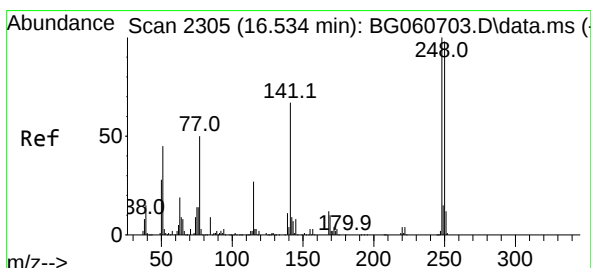
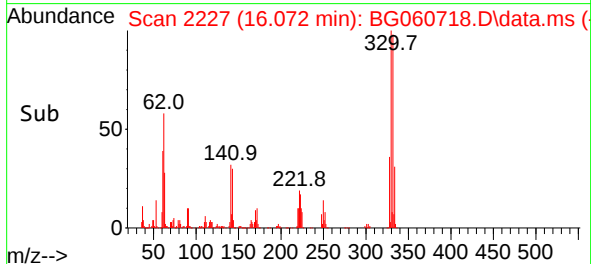
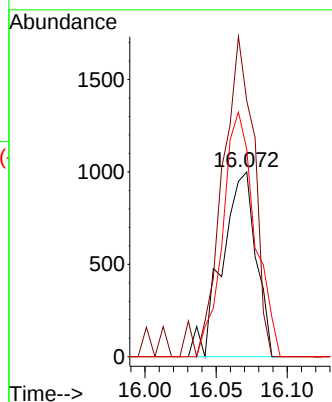
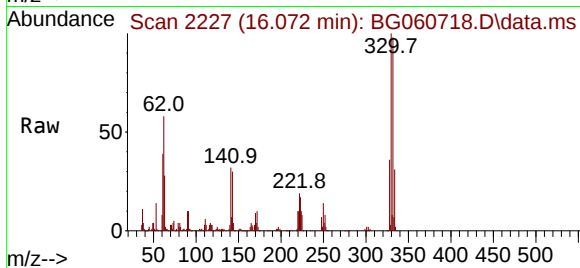




#65
4,6-Dinitro-2-methylphenol
Concen: 7.562 ng
RT: 16.072 min Scan# 2164
Delta R.T. 0.367 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

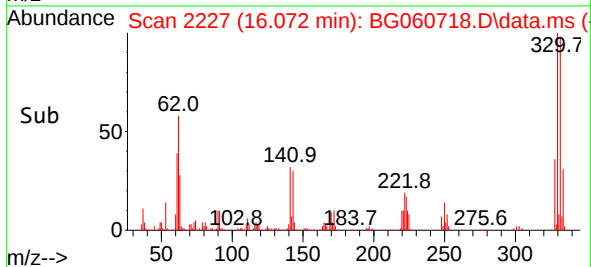
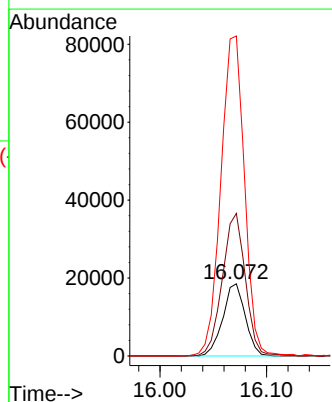
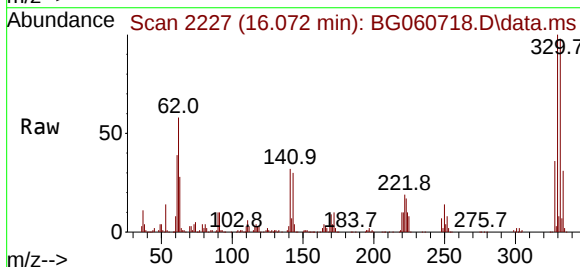
Instrument :
BNA_G
ClientSampleId :
PB159867BL

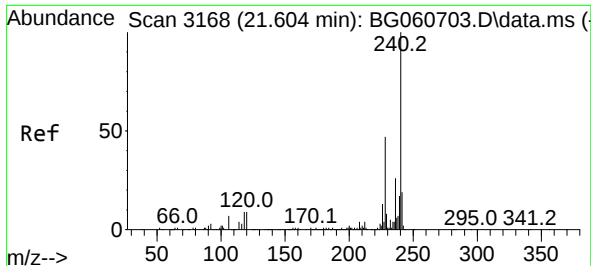
Tgt Ion:198 Resp: 1654
Ion Ratio Lower Upper
198 100
51 138.6 36.7 76.7#
105 112.3 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 4.126 ng
RT: 16.072 min Scan# 2227
Delta R.T. -0.462 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Tgt Ion:248 Resp: 27103
Ion Ratio Lower Upper
248 100
250 197.6 78.3 117.5#
141 443.7 53.7 80.5#

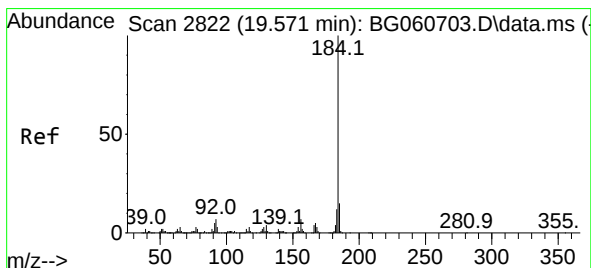
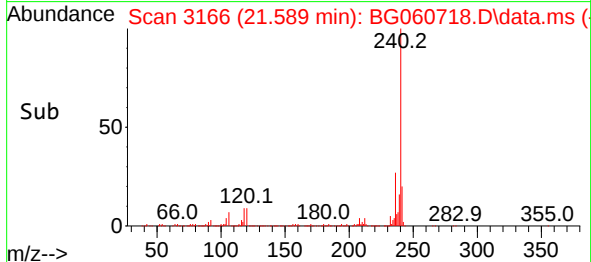
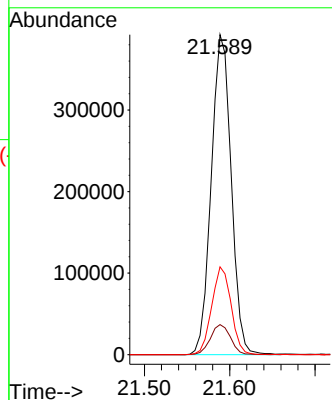
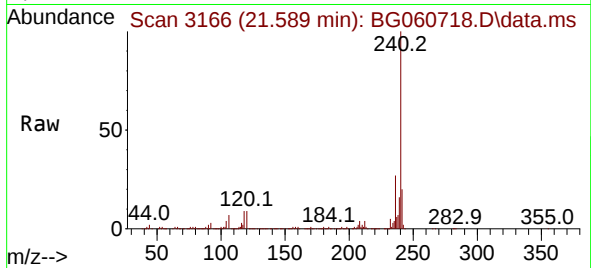




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.016 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

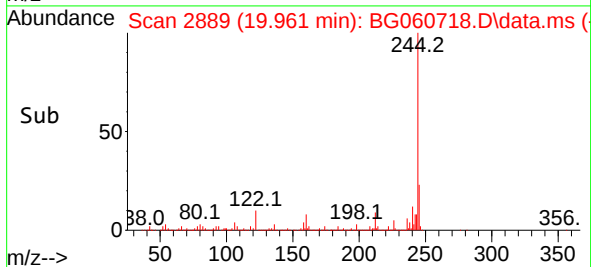
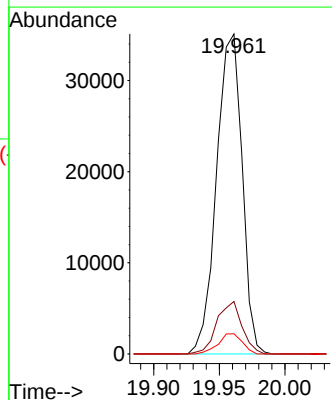
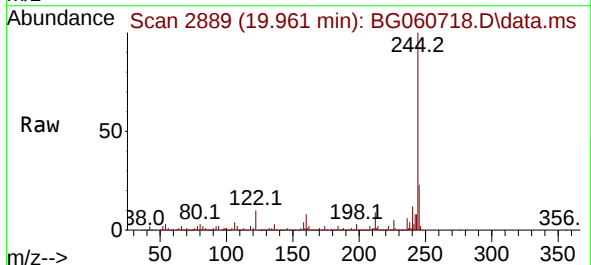
Instrument :
BNA_G
ClientSampleId :
PB159867BL

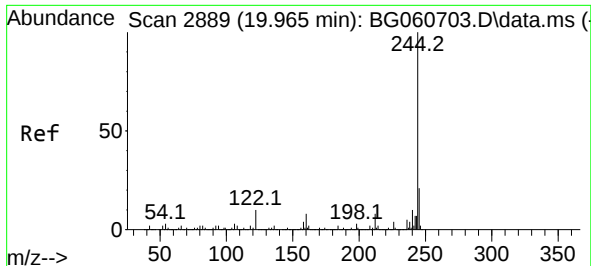
Tgt Ion:240 Resp: 637061
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 27.4 20.7 31.1



#77
Benzidine
Concen: 2.834 ng
RT: 19.961 min Scan# 2889
Delta R.T. 0.390 min
Lab File: BG060718.D
Acq: 1 Apr 2024 16:46

Tgt Ion:184 Resp: 47535
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.6
183 6.3 9.5 14.3#

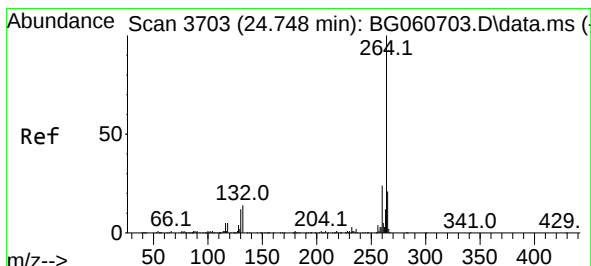
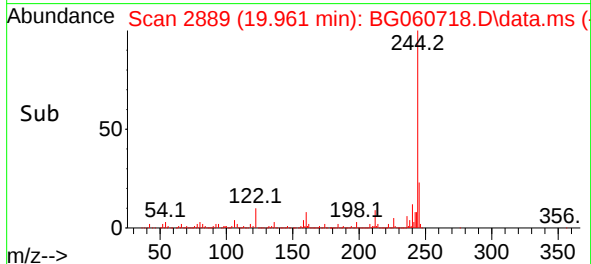
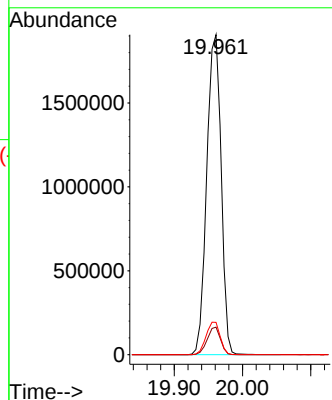
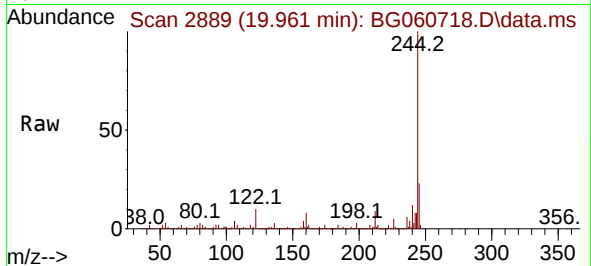




#79
 Terphenyl-d14
 Concen: 77.198 ng
 RT: 19.961 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG060718.D
 Acq: 1 Apr 2024 16:46

Instrument :
 BNA_G
 ClientSampleId :
 PB159867BL

Tgt Ion:244 Resp: 2792993
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.2 9.2
 122 10.1 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.726 min Scan# 3700
 Delta R.T. -0.022 min
 Lab File: BG060718.D
 Acq: 1 Apr 2024 16:46

Tgt Ion:264 Resp: 728375
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 21.6 16.9 25.3

