

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057544.D
 Acq On : 24 May 2023 21:39
 Operator : CG/JU
 Sample : 02899-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB06B

Quant Time: May 25 02:27:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

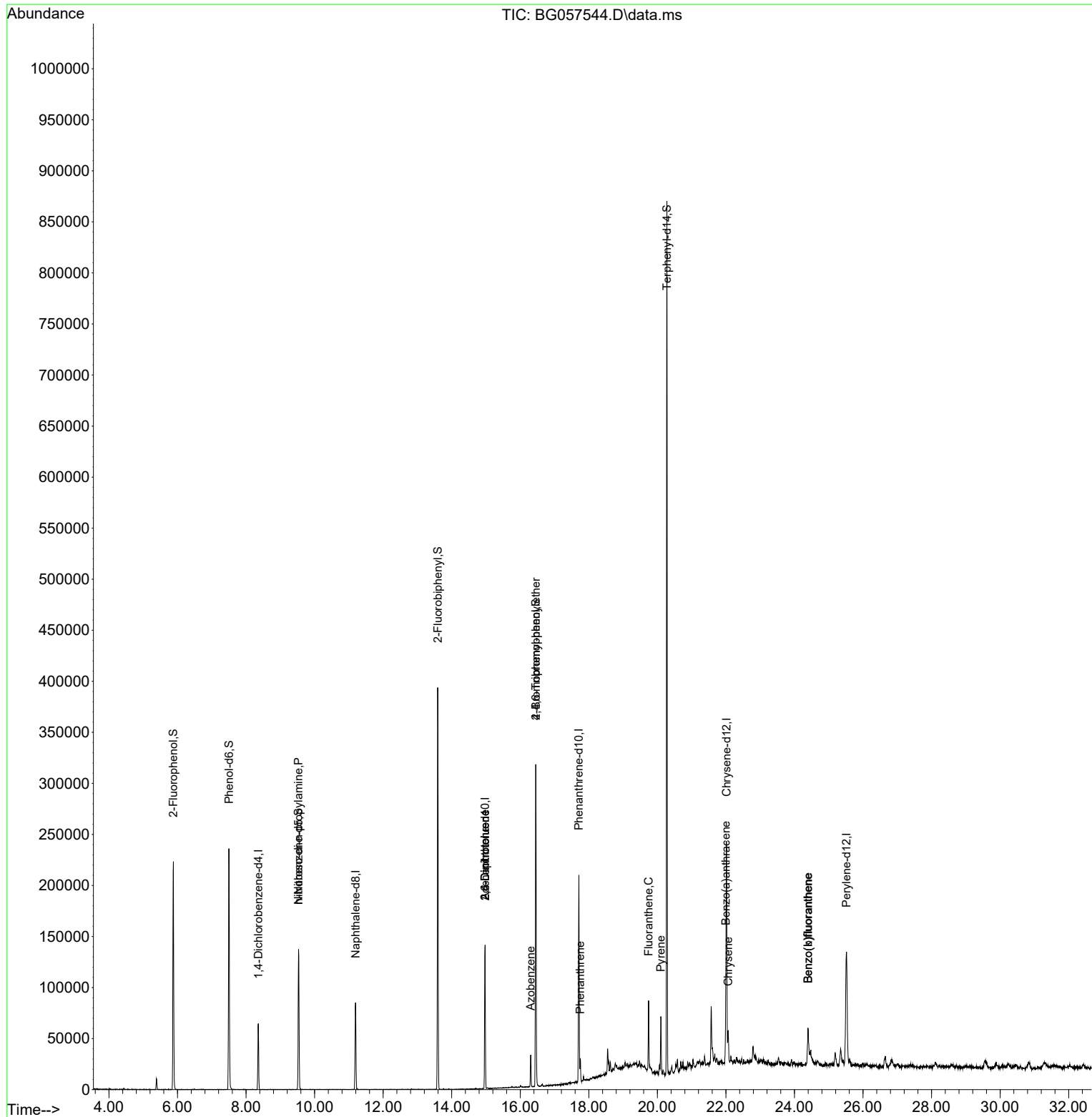
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	19517	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	75661	20.000	ng	# 0.00
39) Acenaphthene-d10	14.972	164	51565	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	132660	20.000	ng	-0.01
76) Chrysene-d12	22.015	240	132711	20.000	ng	-0.02
86) Perylene-d12	25.516	264	139763	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.878	112	103268	90.512	ng	0.00
7) Phenol-d6	7.500	99	145854	84.184	ng	0.00
23) Nitrobenzene-d5	9.532	82	93249	51.727	ng	-0.01
42) 2,4,6-Tribromophenol	16.452	330	70208	95.958	ng	-0.01
45) 2-Fluorobiphenyl	13.591	172	211805	55.320	ng	-0.01
79) Terphenyl-d14	20.276	244	428581	52.702	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.488	77	436	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	12674	9.594	ng	# 79
51) 2,6-Dinitrotoluene	14.972	165	6781	7.838	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	6781	5.484	ng	# 20
63) Azobenzene	16.305	77	9577	2.307	ng	# 1
67) 4-Bromophenyl-phenylether	16.452	248	4827	2.981	ng	# 1
71) Phenanthrene	17.750	178	14989	2.205	ng	# 94
75) Fluoranthene	19.742	202	42147	4.985	ng	98
78) Pyrene	20.100	202	36400	3.775	ng	99
81) Benzo(a)anthracene	21.998	228	23763	2.513	ng	99
83) Chrysene	22.068	228	23780	2.673	ng	98
88) Benzo(b)fluoranthene	24.394	252	28858	3.159	ng	# 95
89) Benzo(k)fluoranthene	24.394	252	28858	3.108	ng	# 96

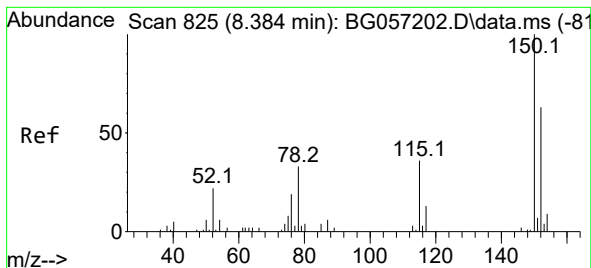
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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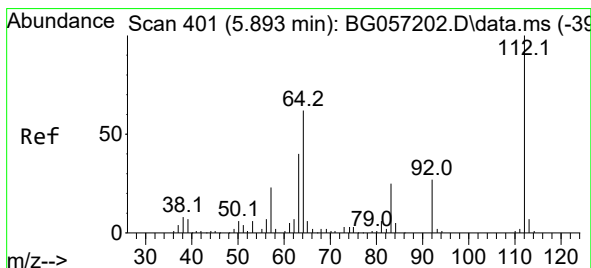
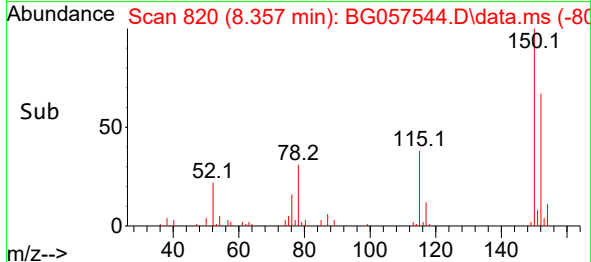
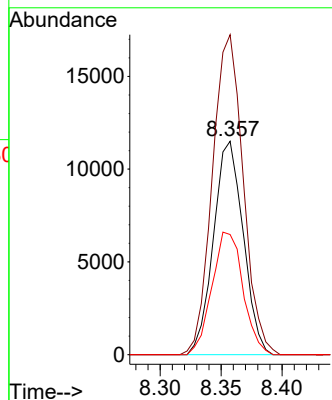
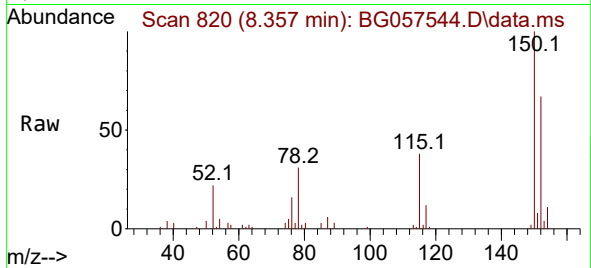




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

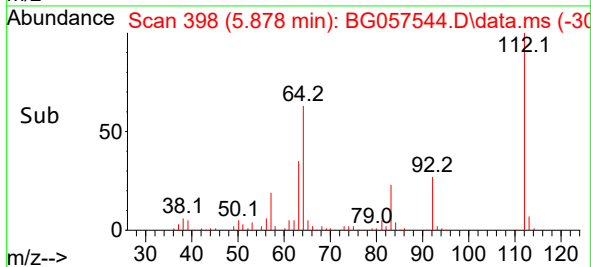
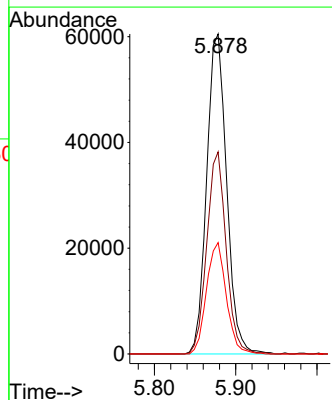
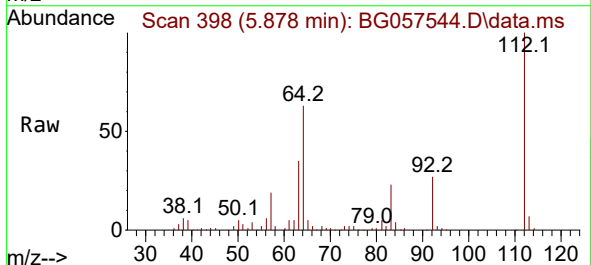
Instrument :
BNA_G
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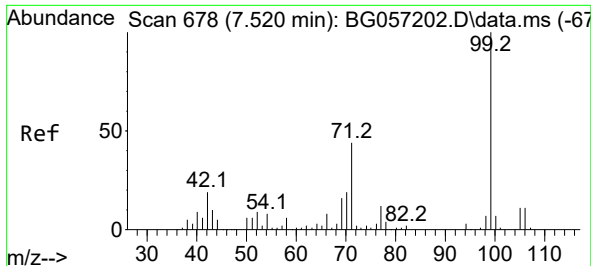
Tgt Ion:152 Resp: 19517
Ion Ratio Lower Upper
152 100
150 149.9 126.2 189.4
115 56.3 45.0 67.4



#5
2-Fluorophenol
Concen: 90.512 ng
RT: 5.878 min Scan# 398
Delta R.T. 0.003 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:112 Resp: 103268
Ion Ratio Lower Upper
112 100
64 63.2 49.4 74.2
63 34.8 31.6 47.4

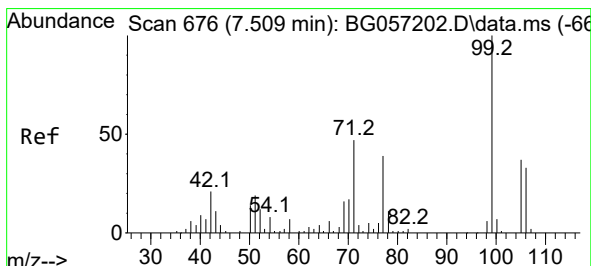
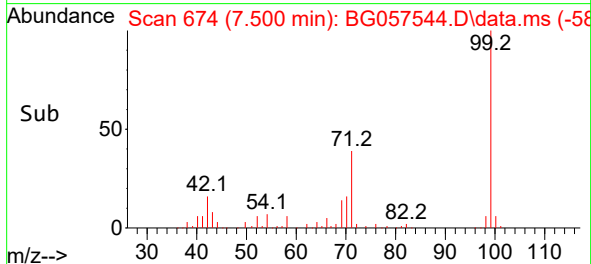
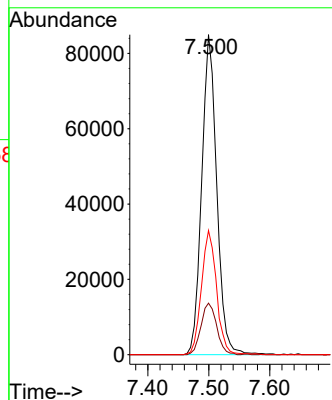
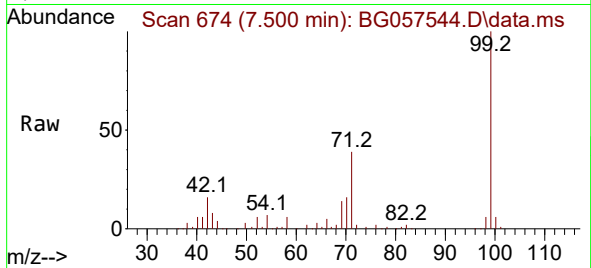




#7
Phenol-d6
Concen: 84.184 ng
RT: 7.500 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

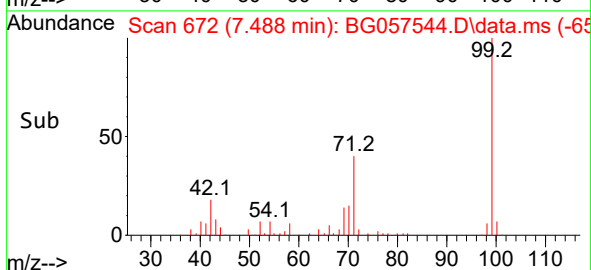
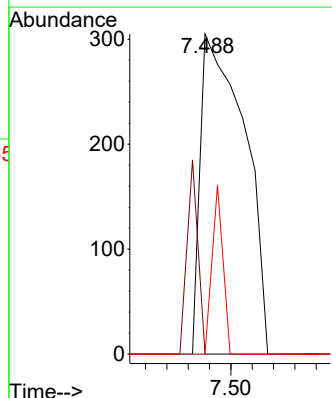
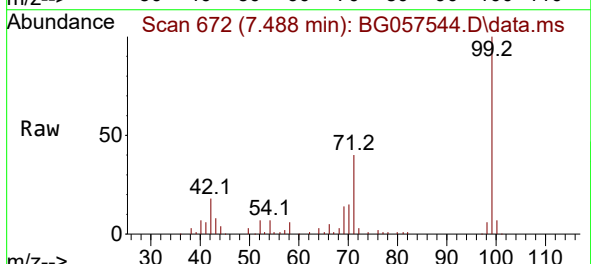
Instrument :
BNA_G
ClientSampleId :
SB06B

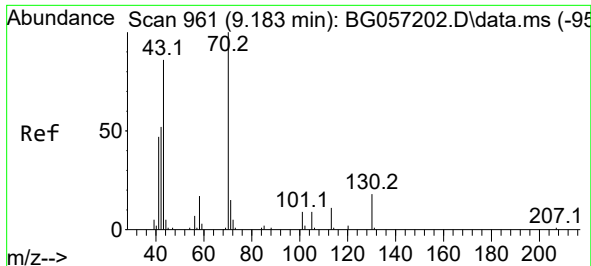
Tgt Ion: 99 Resp: 145854
Ion Ratio Lower Upper
99 100
42 16.1 15.1 22.7
71 38.8 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.488 min Scan# 672
Delta R.T. -0.003 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion: 77 Resp: 436
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

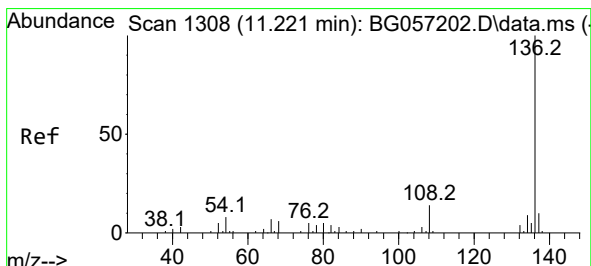
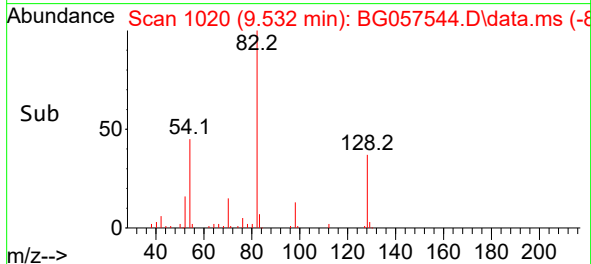
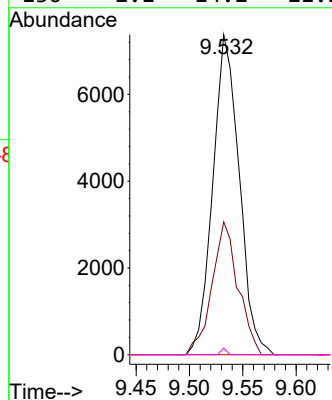
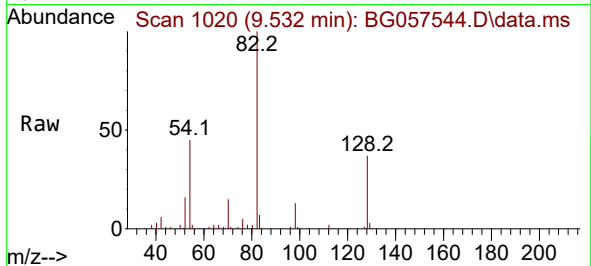




#19
n-Nitroso-di-n-propylamine
Concen: 9.594 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.368 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

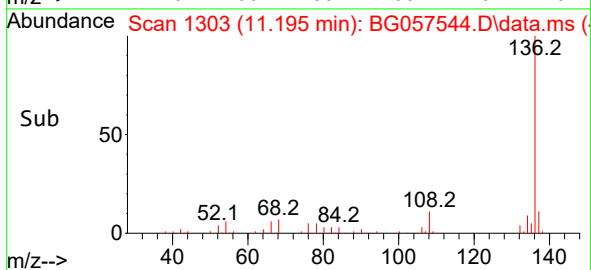
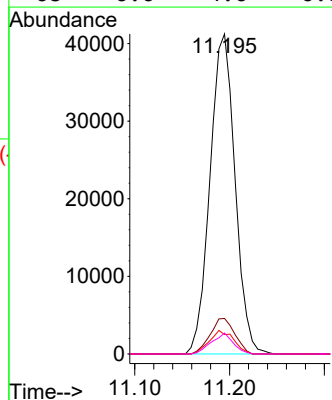
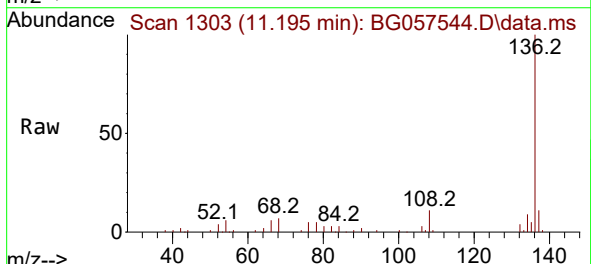
Instrument :
BNA_G
ClientSampleId :
SB06B

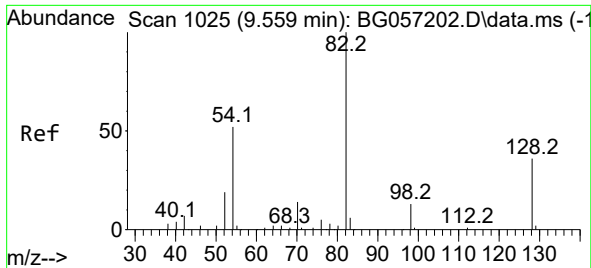
Tgt Ion: 70 Resp: 12674
Ion Ratio Lower Upper
70 100
42 41.5 41.8 62.8#
101 0.0 6.8 10.2#
130 2.1 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion: 136 Resp: 75661
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 6.1 6.7 10.1#
68 6.6 4.6 6.8

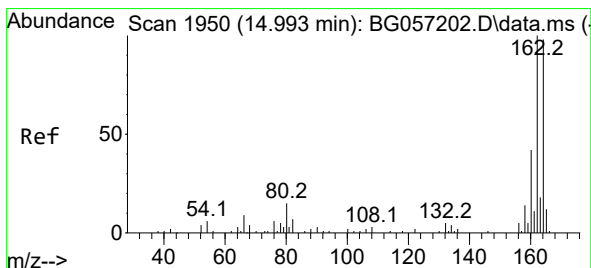
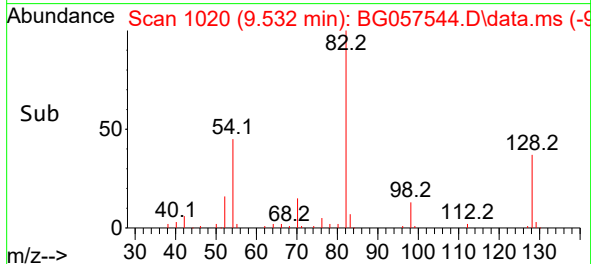
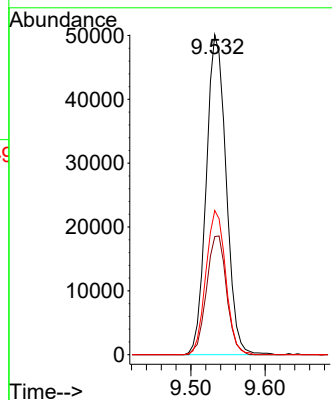
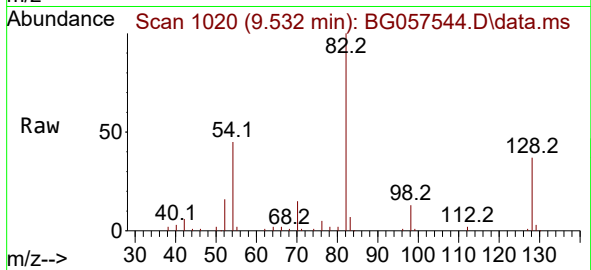




#23
 Nitrobenzene-d5
 Concen: 51.727 ng
 RT: 9.532 min Scan# 1020
 Delta R.T. -0.014 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

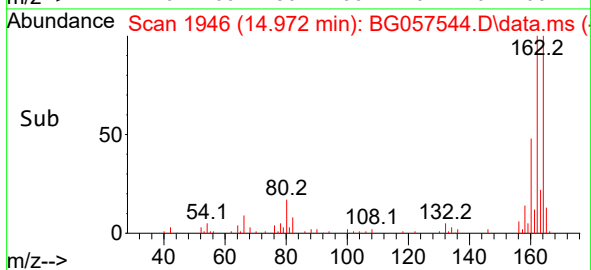
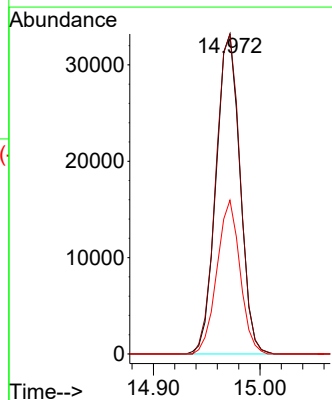
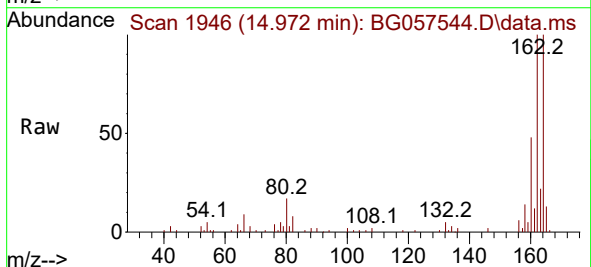
Instrument :
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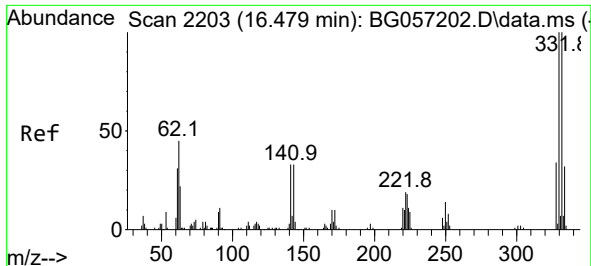
Tgt Ion: 82 Resp: 93249
 Ion Ratio Lower Upper
 82 100
 128 36.9 29.0 43.4
 54 45.1 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.972 min Scan# 1946
 Delta R.T. -0.008 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

Tgt Ion:164 Resp: 51565
 Ion Ratio Lower Upper
 164 100
 162 100.0 81.8 122.6
 160 48.1 34.6 52.0

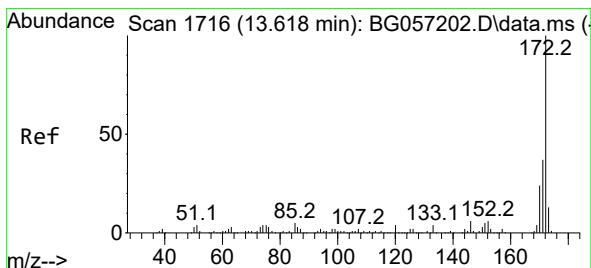
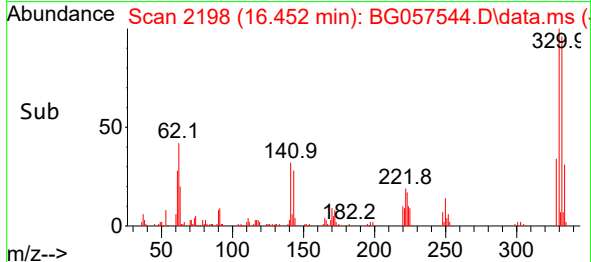
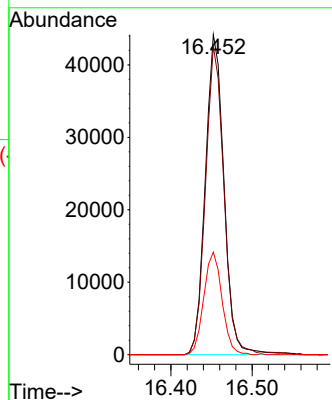
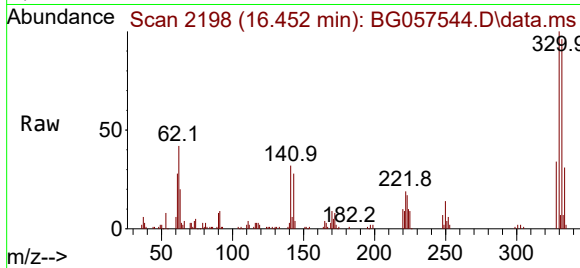




#42
2,4,6-Tribromophenol
Concen: 95.958 ng
RT: 16.452 min Scan# 211
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

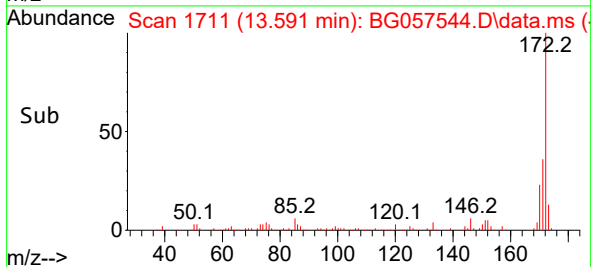
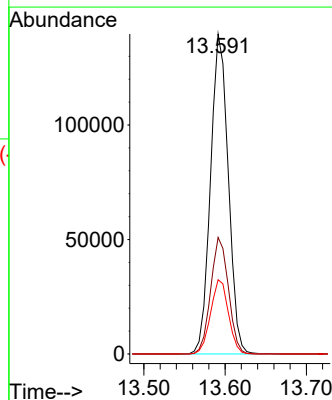
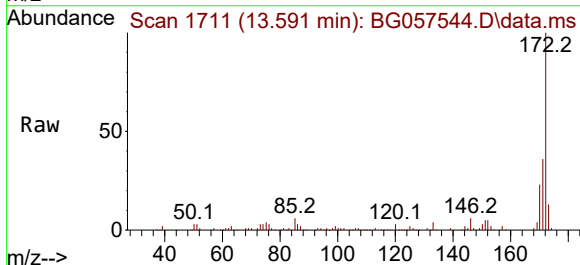
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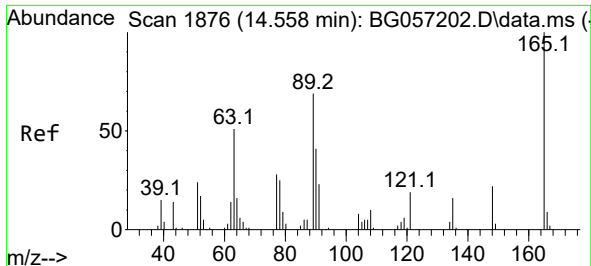
Tgt Ion:330 Resp: 70208
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.2
141 31.4 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 55.320 ng
RT: 13.591 min Scan# 1711
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:172 Resp: 211805
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.2 19.0 28.6

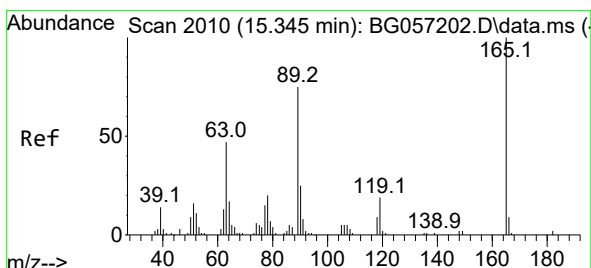
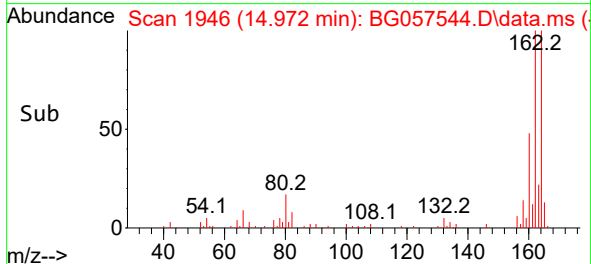
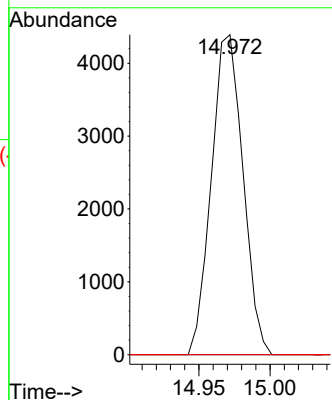
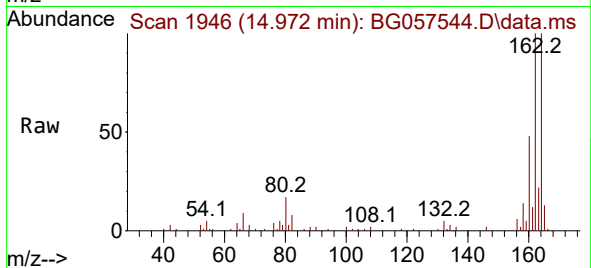




#51
2,6-Dinitrotoluene
Concen: 7.838 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.420 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

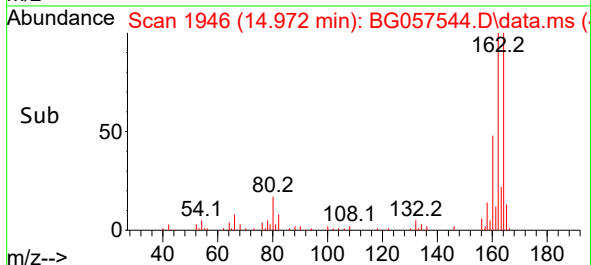
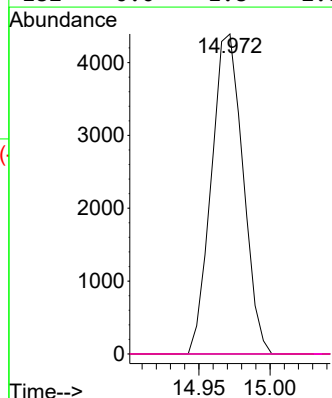
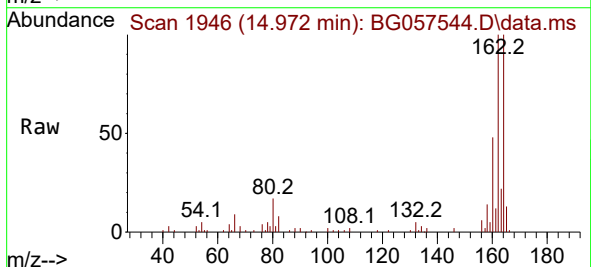
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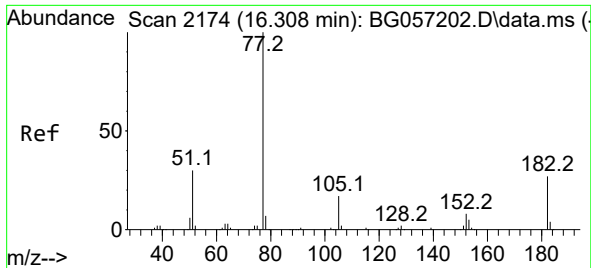
Tgt Ion:165 Resp: 6781
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.484 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.367 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:165 Resp: 6781
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#

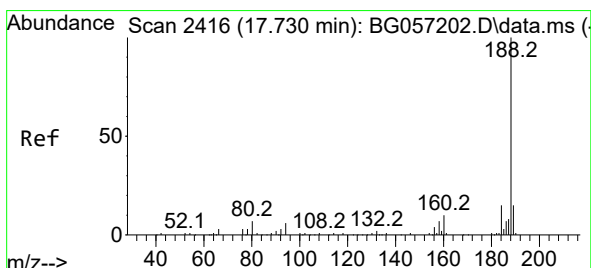
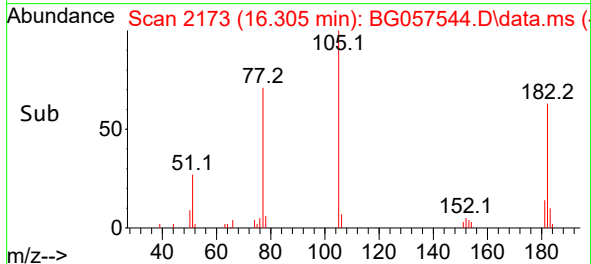
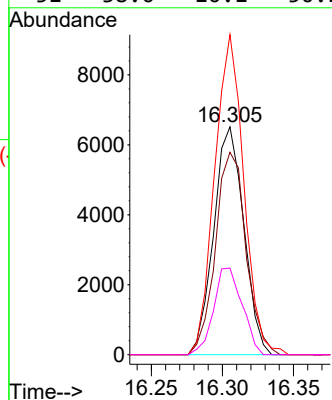
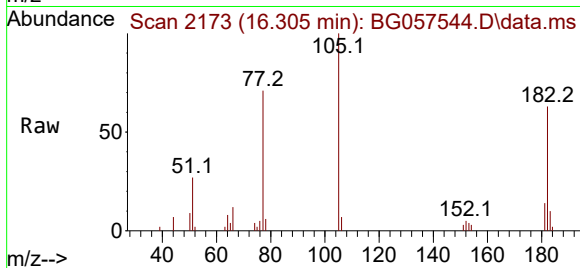




#63
 Azobenzene
 Concen: 2.307 ng
 RT: 16.305 min Scan# 2173
 Delta R.T. 0.015 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

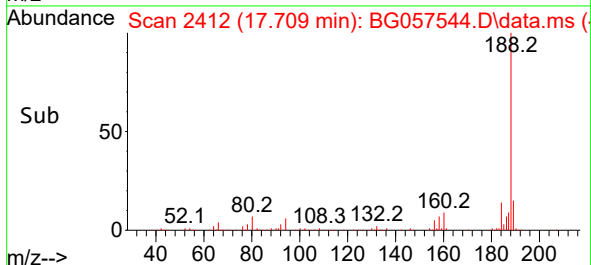
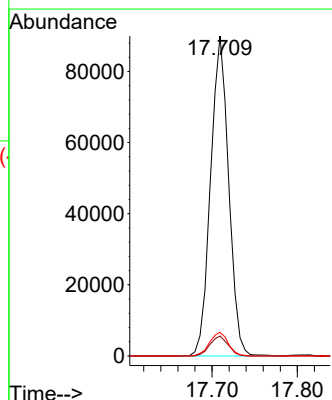
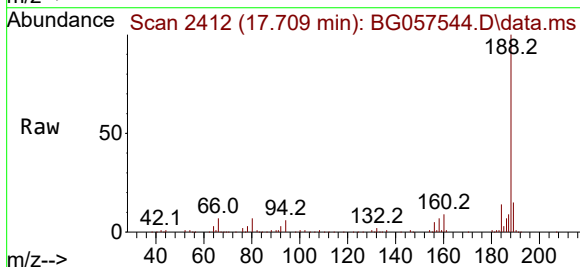
Instrument :
 BNA_G
 ClientSampleId :
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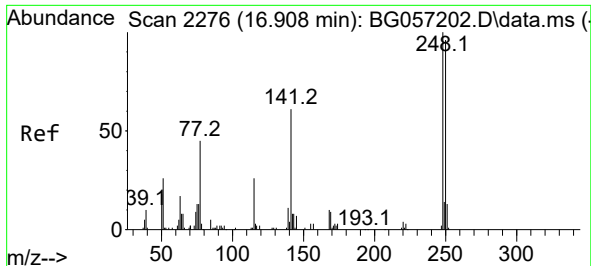
Tgt Ion: 77	Resp: 9577
Ion Ratio	Lower Upper
77 100	
182 88.8	7.4 47.4#
105 140.4	0.0 37.2#
51 38.0	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.709 min Scan# 2412
 Delta R.T. -0.014 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

Tgt Ion: 188	Resp: 132660
Ion Ratio	Lower Upper
188 100	
94 6.3	5.1 7.7
80 7.4	5.7 8.5

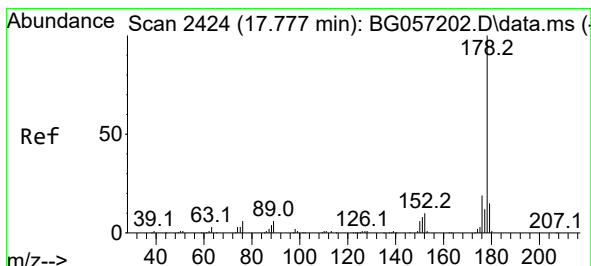
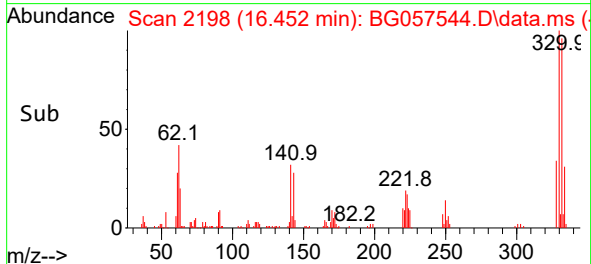
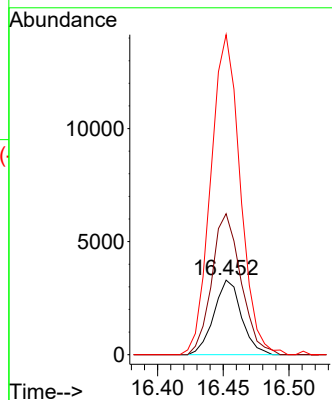
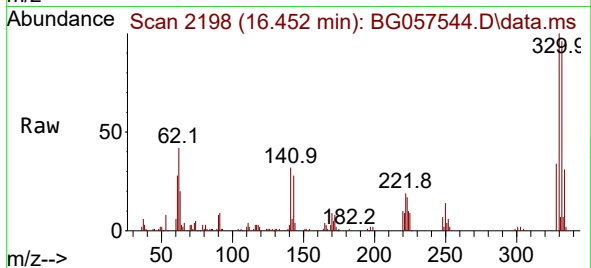




#67
4-Bromophenyl-phenylether
Concen: 2.981 ng
RT: 16.452 min Scan# 2198
Delta R.T. -0.443 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

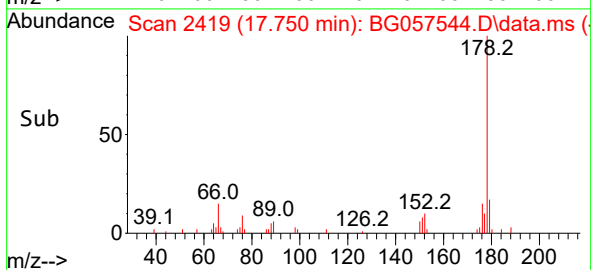
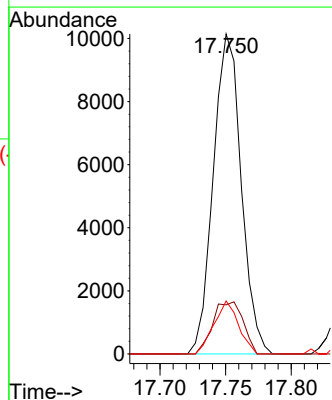
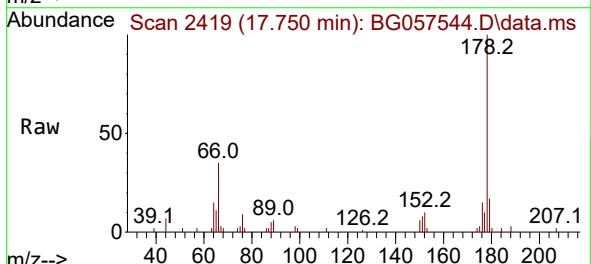
Instrument :
BNA_G
ClientSampleId :
SB06B

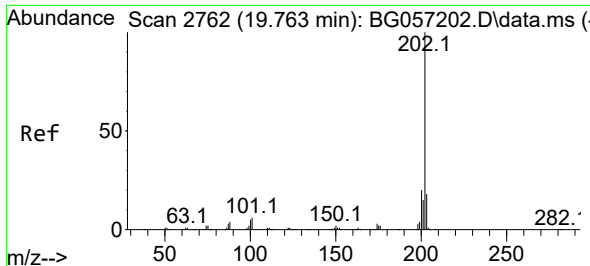
Tgt Ion:248 Resp: 4827
Ion Ratio Lower Upper
248 100
250 189.1 77.0 115.6#
141 429.4 48.6 72.8#



#71
Phenanthrene
Concen: 2.205 ng
RT: 17.750 min Scan# 2419
Delta R.T. -0.014 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:178 Resp: 14989
Ion Ratio Lower Upper
178 100
176 15.4 15.4 23.2#
179 16.5 12.3 18.5

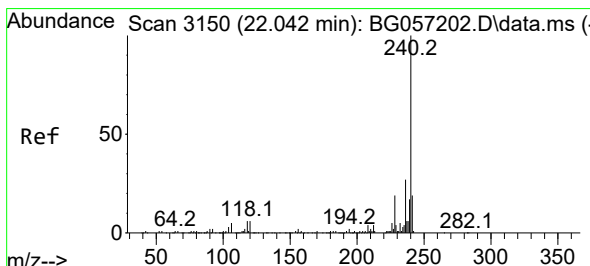
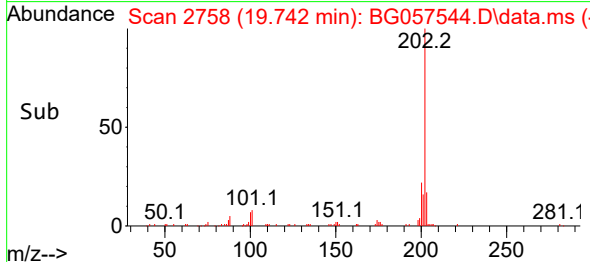
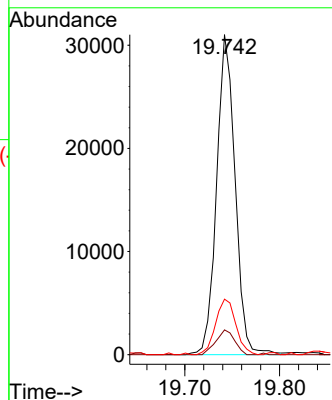
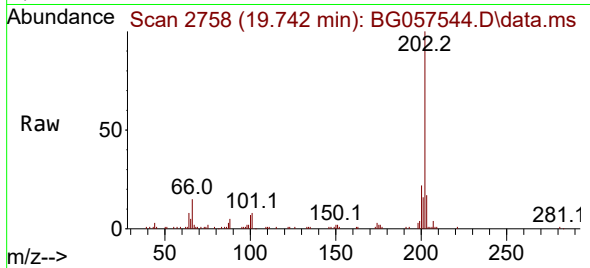




#75
Fluoranthene
Concen: 4.985 ng
RT: 19.742 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

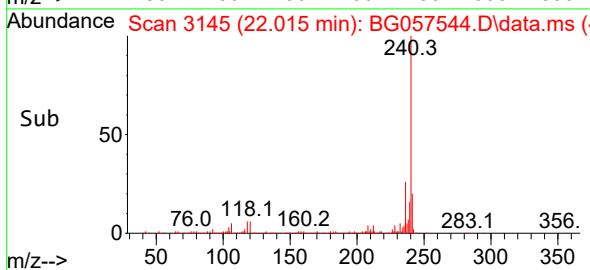
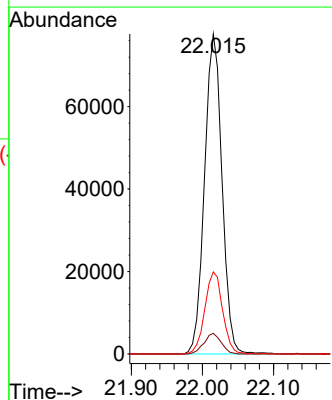
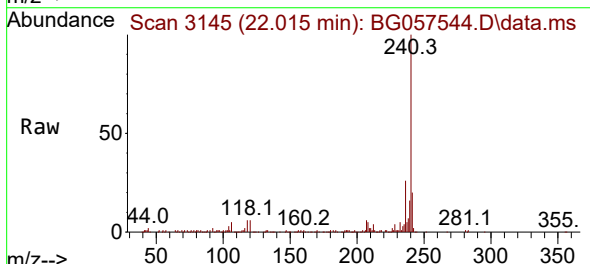
Instrument :
BNA_G
ClientSampleId :
SB06B

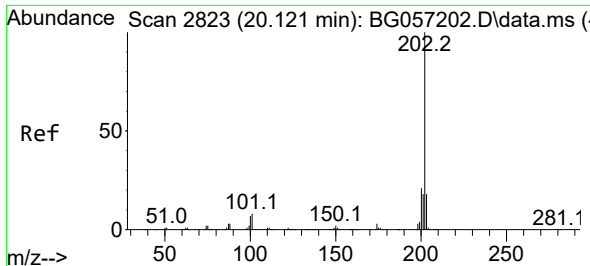
Tgt Ion:202 Resp: 42147
Ion Ratio Lower Upper
202 100
101 7.8 0.0 26.2
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3145
Delta R.T. -0.020 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Tgt Ion:240 Resp: 132711
Ion Ratio Lower Upper
240 100
120 6.5 4.9 7.3
236 25.6 21.4 32.2

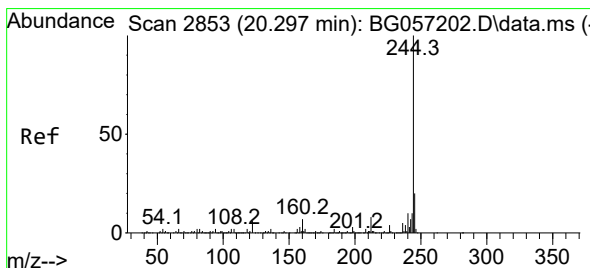
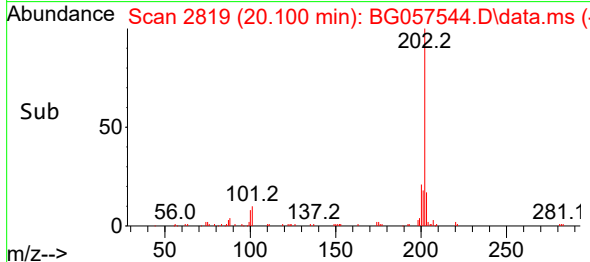
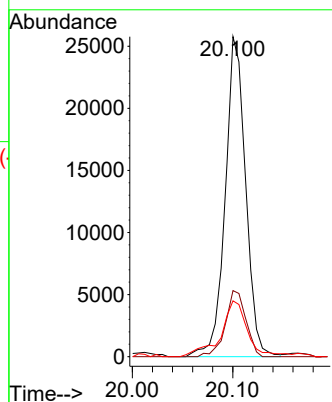
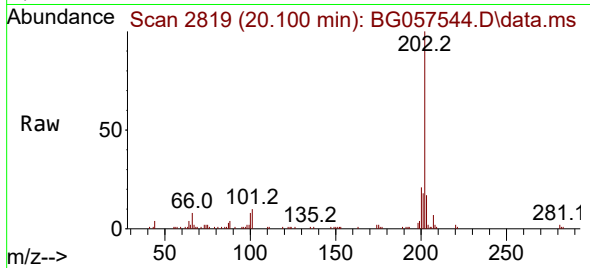




#78
 Pyrene
 Concen: 3.775 ng
 RT: 20.100 min Scan# 2819
 Delta R.T. -0.014 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

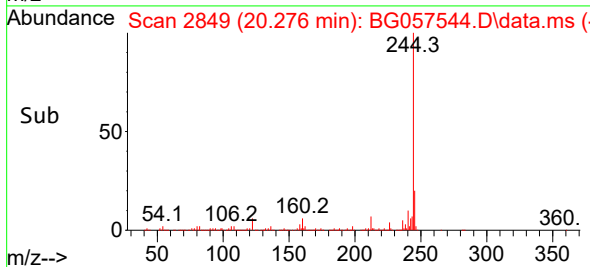
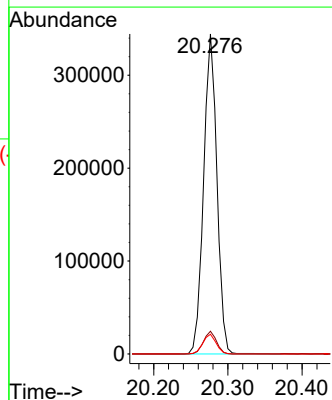
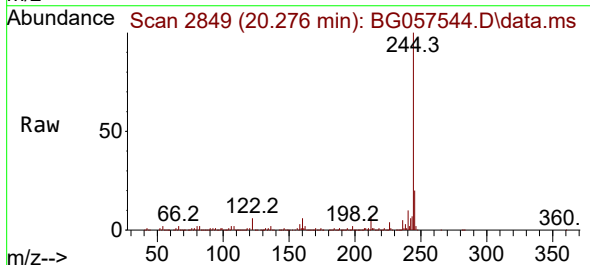
Instrument :
 BNA_G
 ClientSampleId :
 SB06B

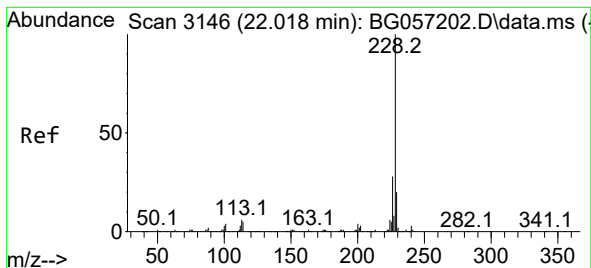
Tgt Ion:202 Resp: 36400
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.4
 203 17.4 14.2 21.4



#79
 Terphenyl-d14
 Concen: 52.702 ng
 RT: 20.276 min Scan# 2849
 Delta R.T. -0.014 min
 Lab File: BG057544.D
 Acq: 24 May 2023 21:39

Tgt Ion:244 Resp: 428581
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.2 5.1 7.7





#81

Benzo(a)anthracene

Concen: 2.513 ng

RT: 21.998 min Scan# 3142

Delta R.T. -0.014 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

Instrument :

BNA_G

ClientSampleId :

SB06B

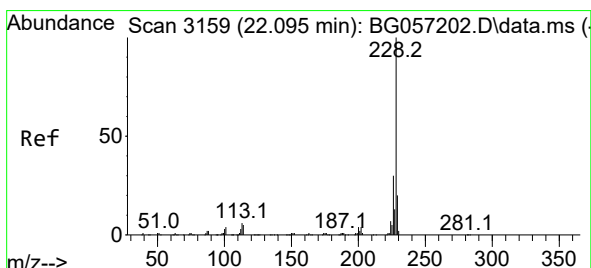
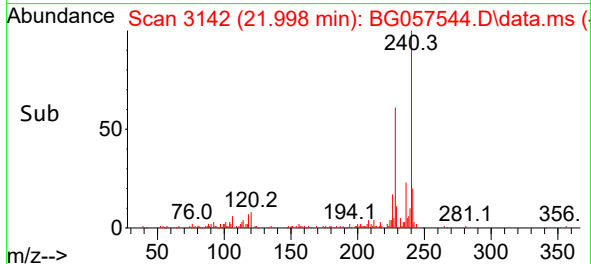
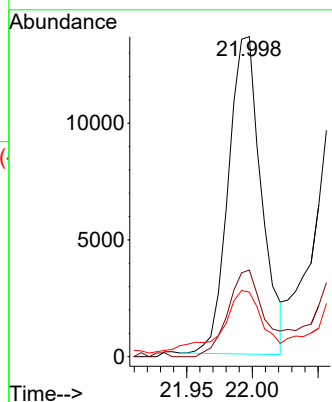
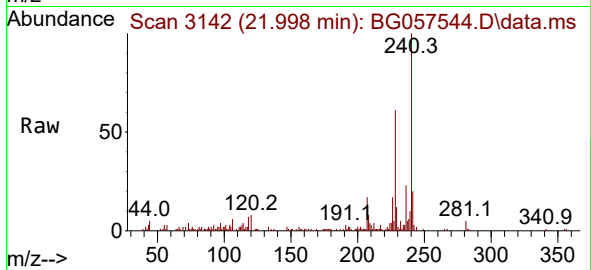
Tgt Ion:228 Resp: 23763

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

229 20.2 15.8 23.8



#83

Chrysene

Concen: 2.673 ng

RT: 22.068 min Scan# 3154

Delta R.T. -0.014 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

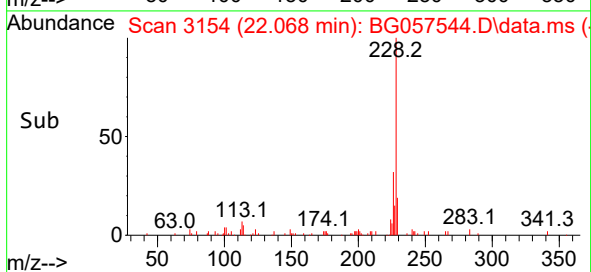
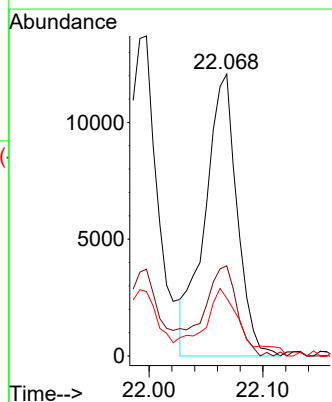
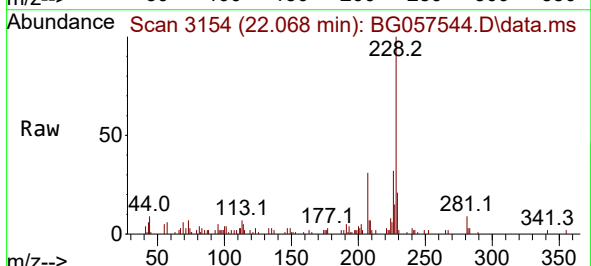
Tgt Ion:228 Resp: 23780

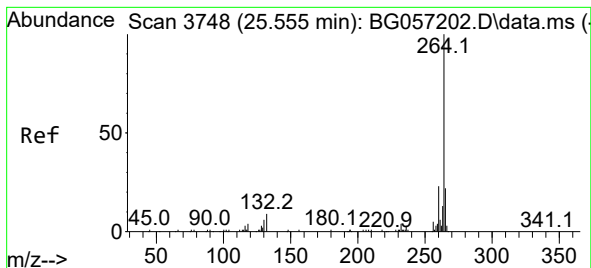
Ion Ratio Lower Upper

228 100

226 32.0 24.3 36.5

229 20.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.516 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

Instrument :

BNA_G

ClientSampleId :

SB06B

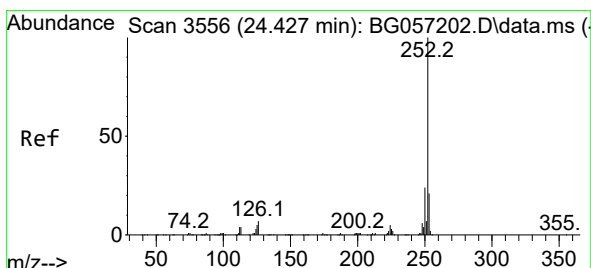
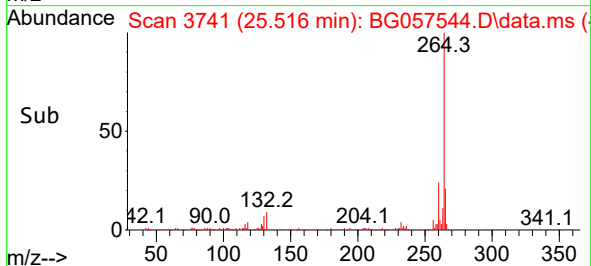
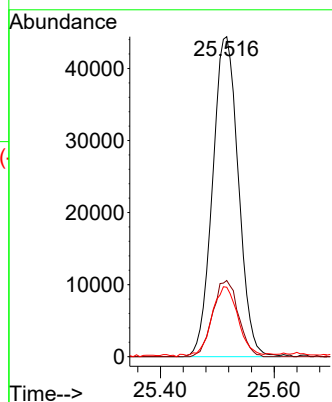
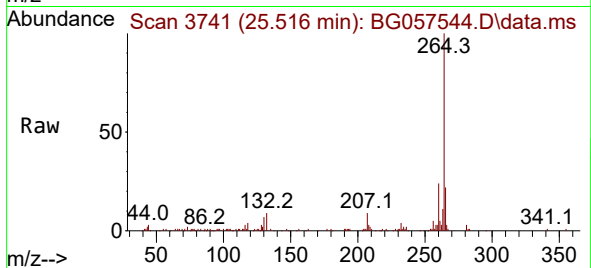
Tgt Ion:264 Resp: 139763

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.7 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.159 ng

RT: 24.394 min Scan# 3550

Delta R.T. -0.026 min

Lab File: BG057544.D

Acq: 24 May 2023 21:39

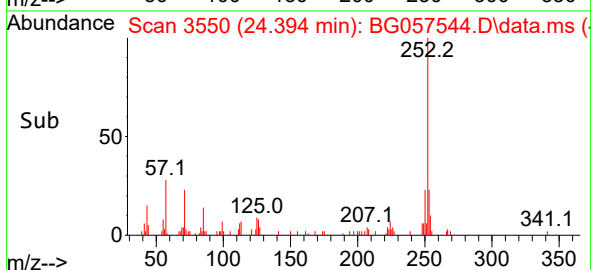
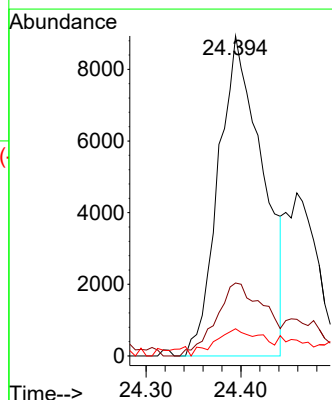
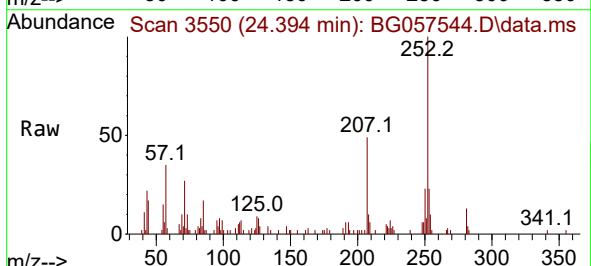
Tgt Ion:252 Resp: 28858

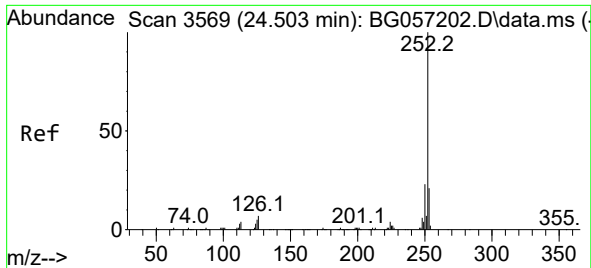
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

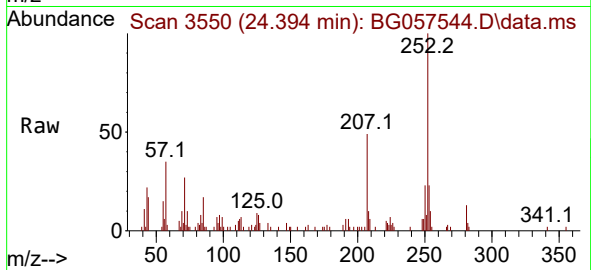
125 8.5 4.2 6.2#





#89
Benzo(k)fluoranthene
Concen: 3.108 ng
RT: 24.394 min Scan# 31
Delta R.T. -0.102 min
Lab File: BG057544.D
Acq: 24 May 2023 21:39

Instrument :
BNA_G
ClientSampleId :
SB06B



Tgt Ion:252 Resp: 28858
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 8.5 4.1 6.1#

