

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057485.D
 Acq On : 20 May 2023 3:09
 Operator : CG/JU
 Sample : 02825-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-051723

Quant Time: May 20 04:32:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

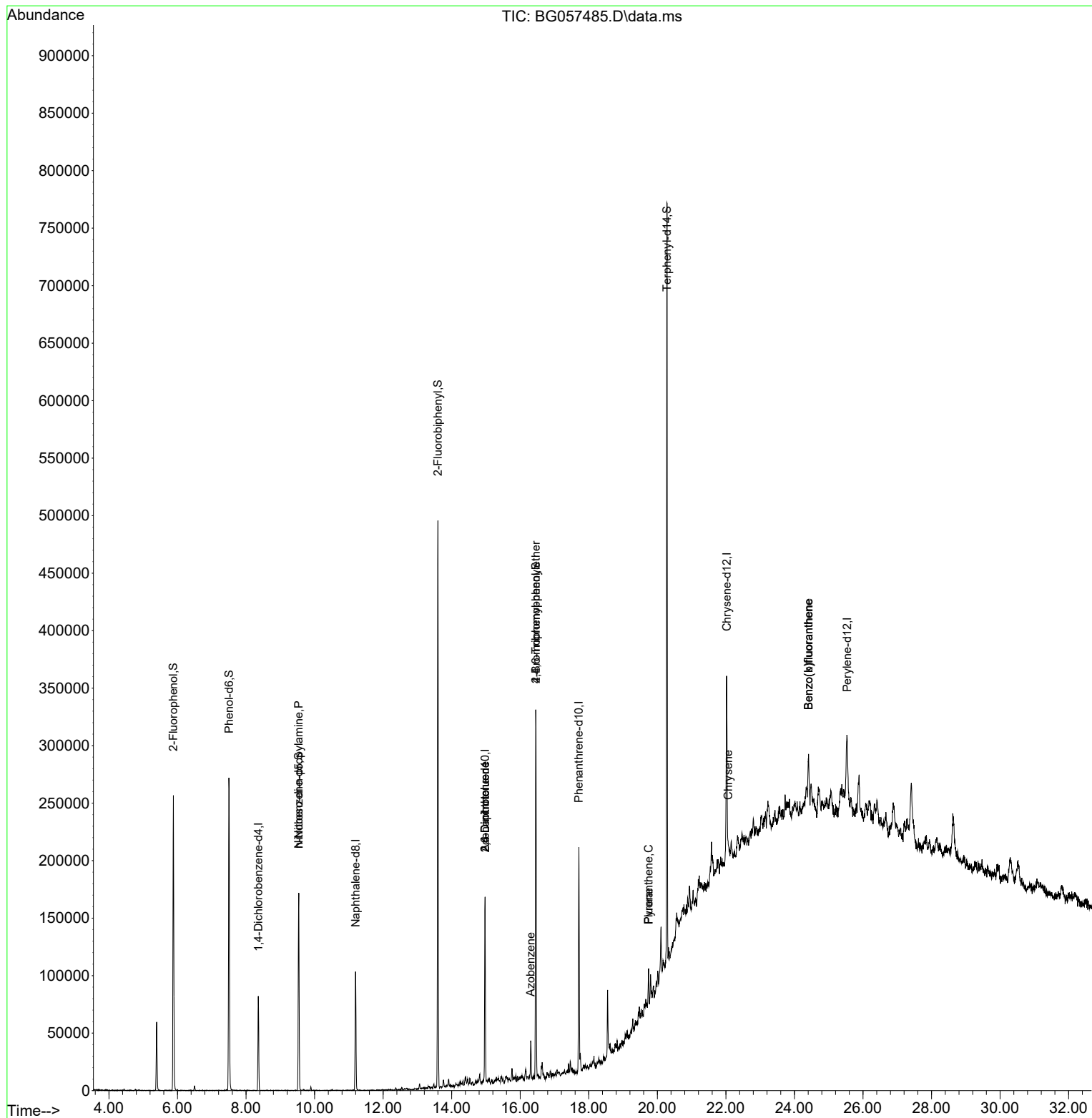
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	23145	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	87475	20.000	ng	0.00
39) Acenaphthene-d10	14.972	164	57518	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	125771	20.000	ng	0.00
76) Chrysene-d12	22.022	240	107681	20.000	ng	0.00
86) Perylene-d12	25.535	264	92079	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	115315	85.227	ng	0.00
7) Phenol-d6	7.500	99	170520	82.993	ng	0.00
23) Nitrobenzene-d5	9.539	82	110899	53.210	ng	0.00
42) 2,4,6-Tribromophenol	16.459	330	67249	82.401	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	255489	59.823	ng	0.00
79) Terphenyl-d14	20.283	244	356966	54.099	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.506	77	358	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.539	70	15091	9.632	ng	# 78
51) 2,6-Dinitrotoluene	14.972	165	7994	8.284	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	7994	5.796	ng	# 20
63) Azobenzene	16.306	77	9798	2.116	ng	# 7
67) 4-Bromophenyl-phenylether	16.459	248	4777	3.111	ng	# 1
75) Fluoranthene	19.742	202	20140	2.513	ng	98
78) Pyrene	19.742	202	20140	2.574	ng	97
83) Chrysene	22.069	228	15226	2.109	ng	# 78
88) Benzo(b)fluoranthene	24.413	252	15027	2.497	ng	# 1
89) Benzo(k)fluoranthene	24.413	252	15027	2.457	ng	# 1

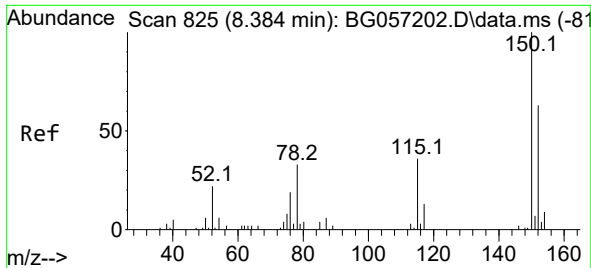
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
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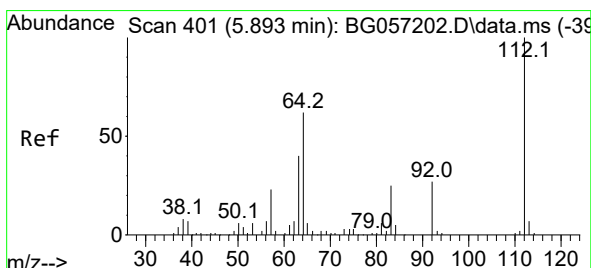
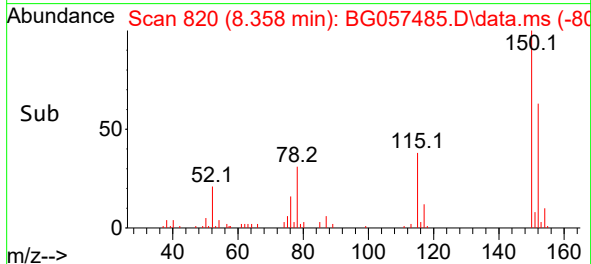
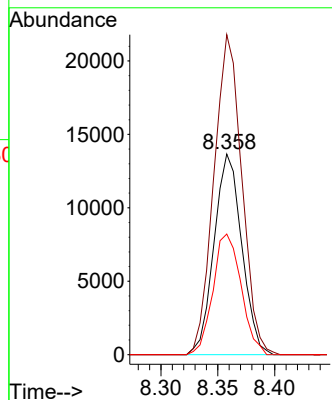
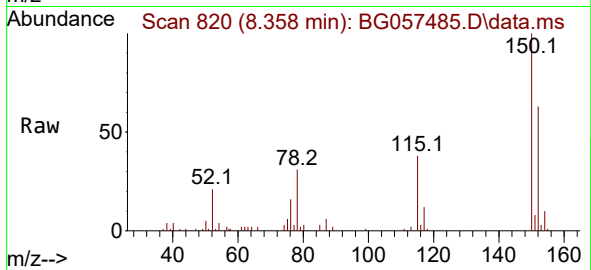




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

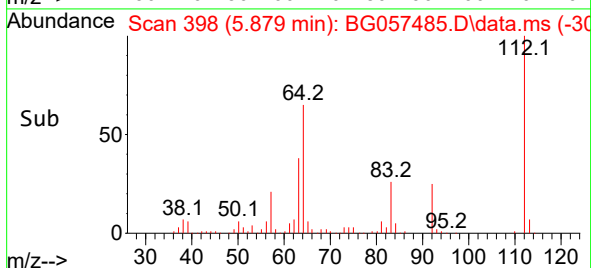
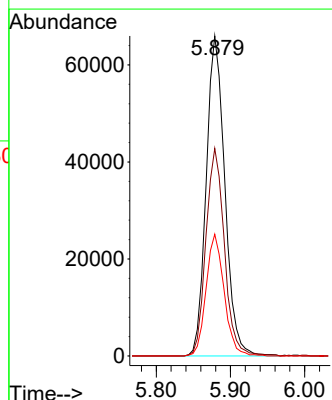
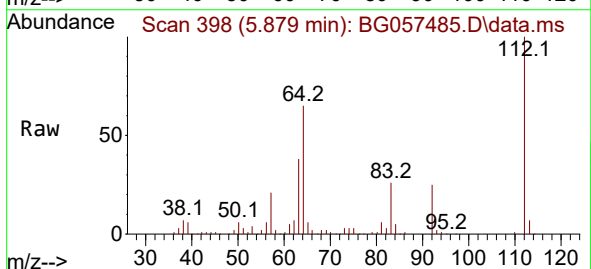
Instrument :
BNA_G
ClientSampleId :
OK-01-051723

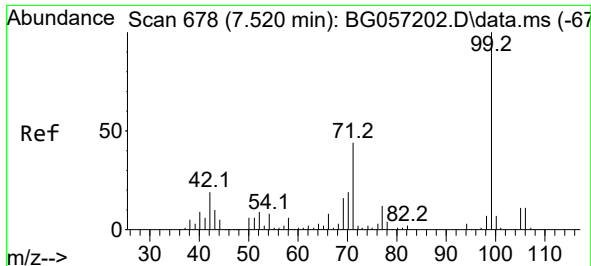
Tgt Ion:152 Resp: 23145
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.4
115 60.1 45.0 67.4



#5
2-Fluorophenol
Concen: 85.227 ng
RT: 5.879 min Scan# 398
Delta R.T. 0.008 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

Tgt Ion:112 Resp: 115315
Ion Ratio Lower Upper
112 100
64 64.9 49.4 74.2
63 38.1 31.6 47.4

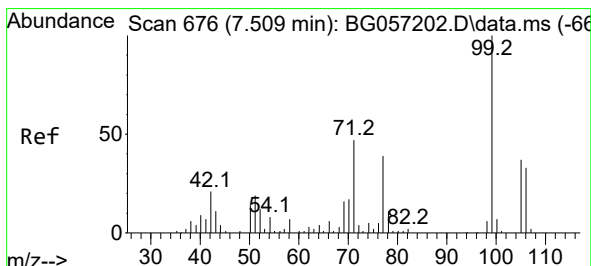
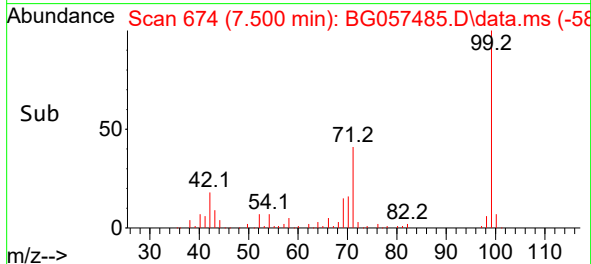
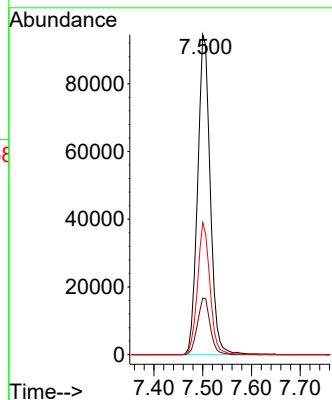
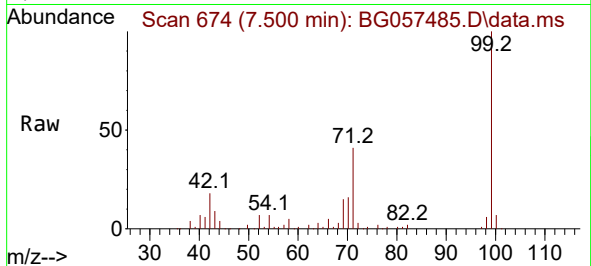




#7
Phenol-d6
Concen: 82.993 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

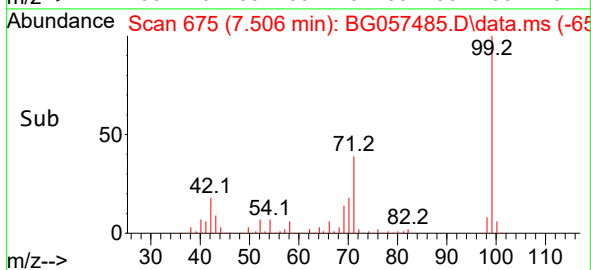
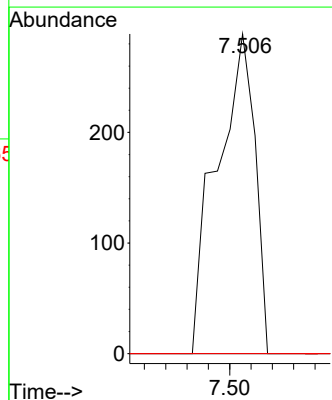
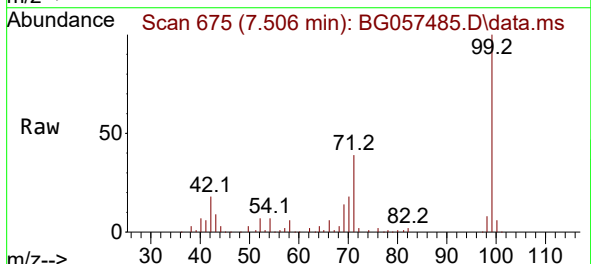
Instrument :
BNA_G
ClientSampleId :
OK-01-051723

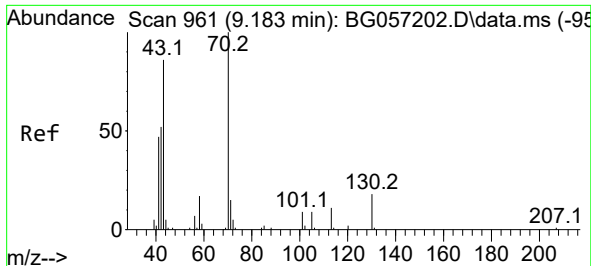
Tgt Ion: 99 Resp: 170520
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 41.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.506 min Scan# 675
Delta R.T. 0.020 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

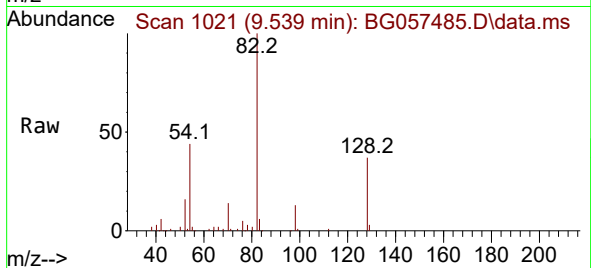
Tgt Ion: 77 Resp: 358
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



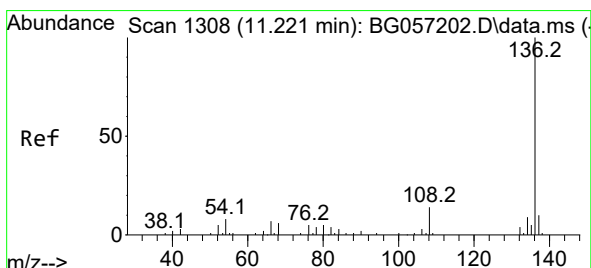
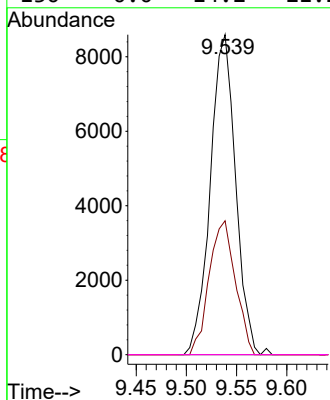
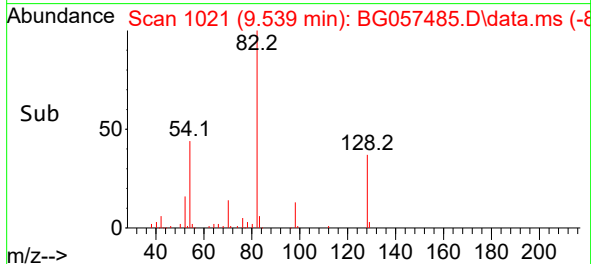


#19
n-Nitroso-di-n-propylamine
Concen: 9.632 ng
RT: 9.539 min Scan# 1021
Delta R.T. 0.378 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

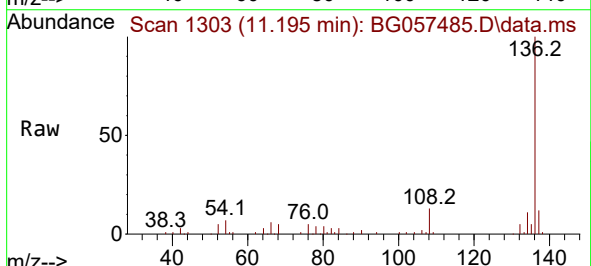
Instrument :
BNA_G
ClientSampleId :
OK-01-051723



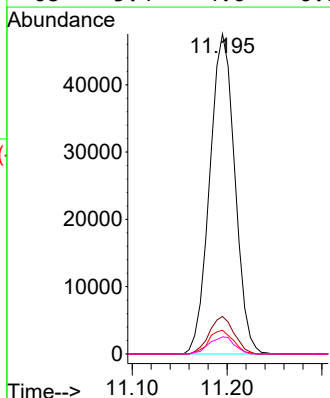
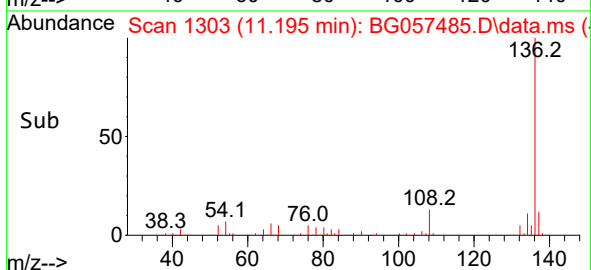
Tgt Ion: 70 Resp: 15091
Ion Ratio Lower Upper
70 100
42 41.8 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#

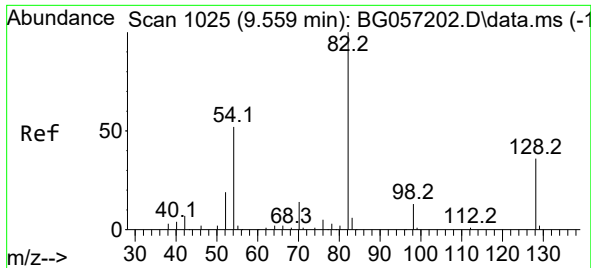


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.004 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09



Tgt Ion: 136 Resp: 87475
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 7.4 6.7 10.1
68 5.4 4.6 6.8

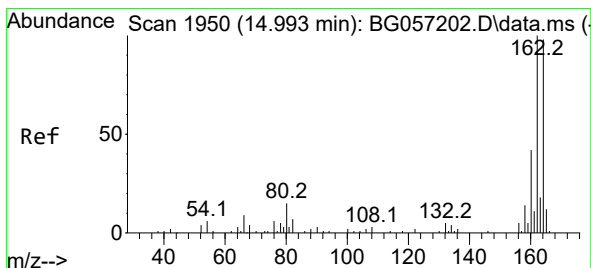
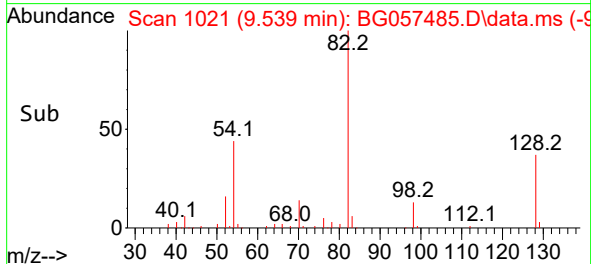
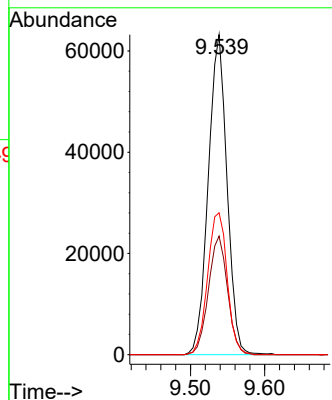
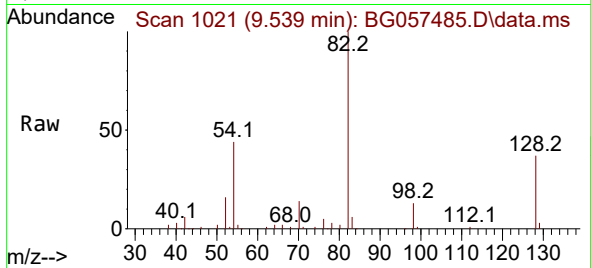




#23
 Nitrobenzene-d5
 Concen: 53.210 ng
 RT: 9.539 min Scan# 1021
 Delta R.T. 0.002 min
 Lab File: BG057485.D
 Acq: 20 May 2023 3:09

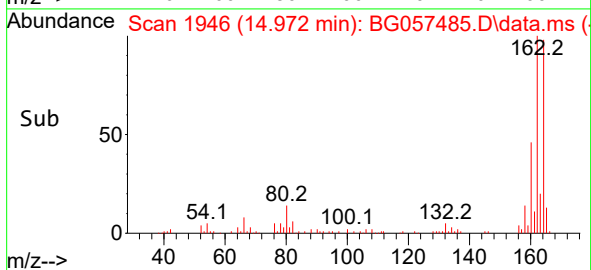
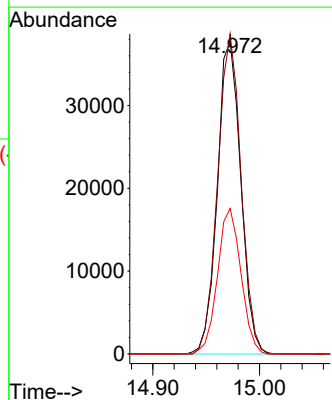
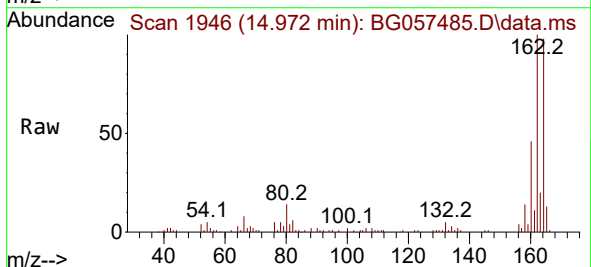
Instrument :
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 ClientSampleId :
 OK-01-051723

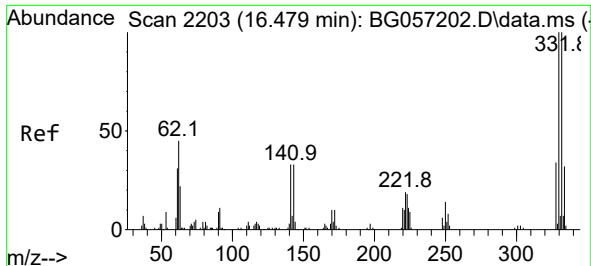
Tgt Ion: 82 Resp: 110899
 Ion Ratio Lower Upper
 82 100
 128 37.1 29.0 43.4
 54 44.3 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.972 min Scan# 1946
 Delta R.T. -0.004 min
 Lab File: BG057485.D
 Acq: 20 May 2023 3:09

Tgt Ion:164 Resp: 57518
 Ion Ratio Lower Upper
 164 100
 162 102.2 81.8 122.6
 160 46.5 34.6 52.0

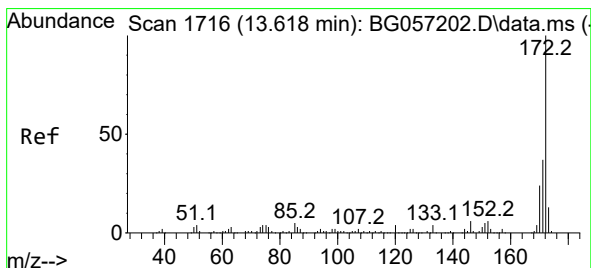
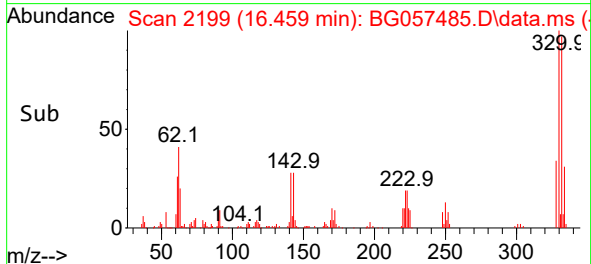
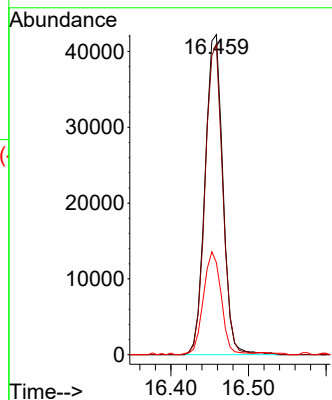
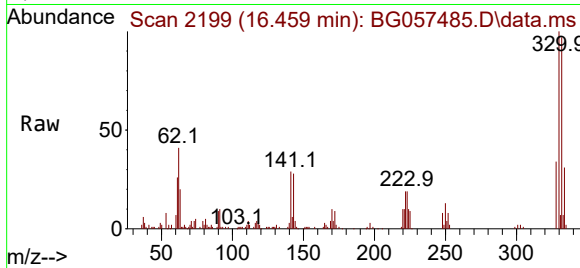




#42
2,4,6-Tribromophenol
Concen: 82.401 ng
RT: 16.459 min Scan# 2199
Delta R.T. 0.002 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

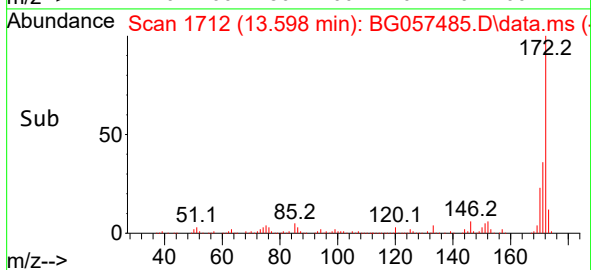
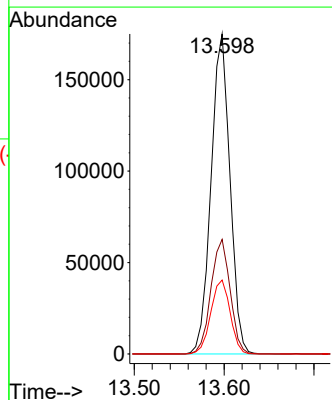
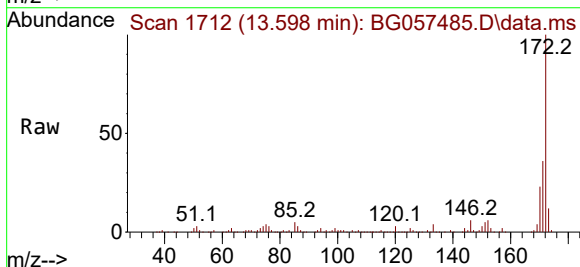
Instrument :
BNA_G
ClientSampleId :
OK-01-051723

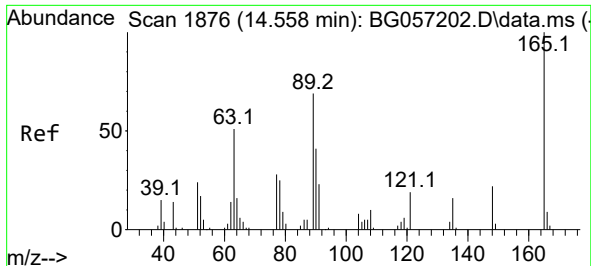
Tgt Ion:330 Resp: 67249
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.2
141 32.4 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 59.823 ng
RT: 13.598 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

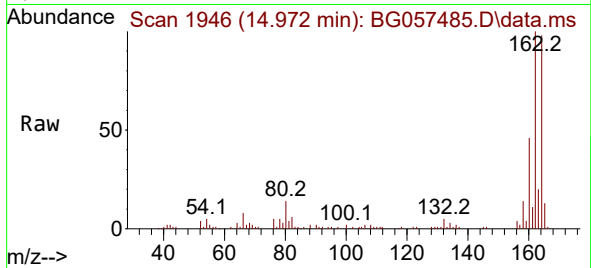
Tgt Ion:172 Resp: 255489
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 23.1 19.0 28.6



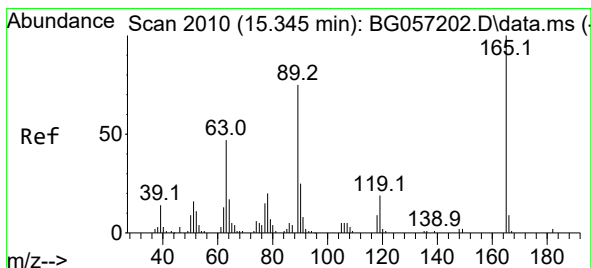
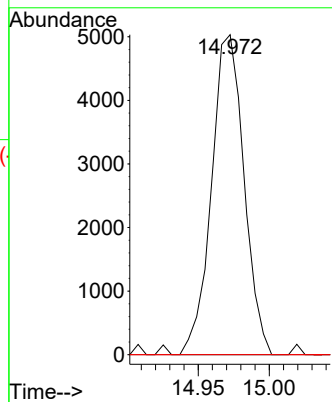
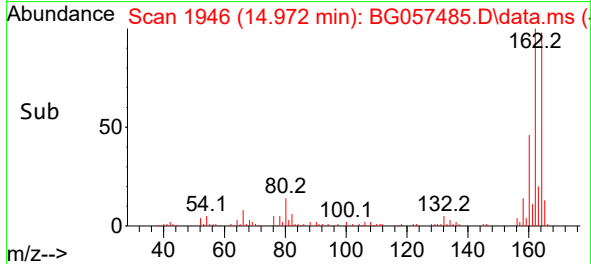


#51
2,6-Dinitrotoluene
Concen: 8.284 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.431 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

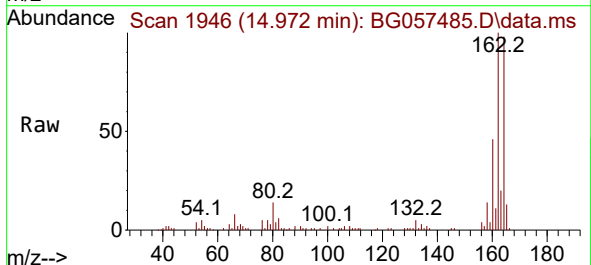
Instrument :
BNA_G
ClientSampleId :
OK-01-051723



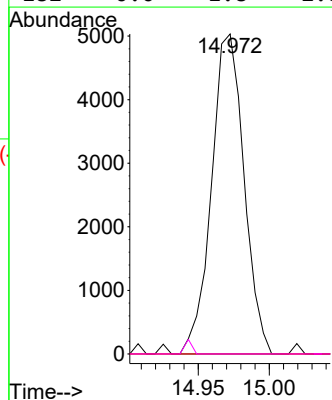
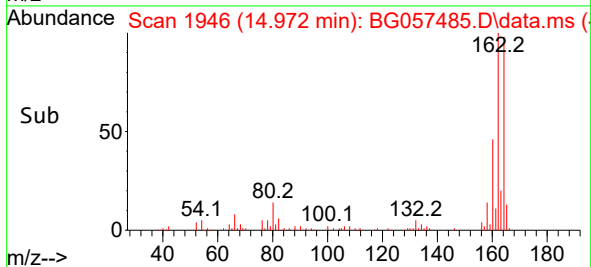
Tgt Ion:165 Resp: 7994
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#

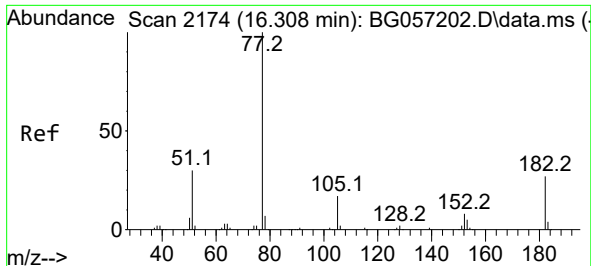


#57
2,4-Dinitrotoluene
Concen: 5.796 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.356 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09



Tgt Ion:165 Resp: 7994
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#

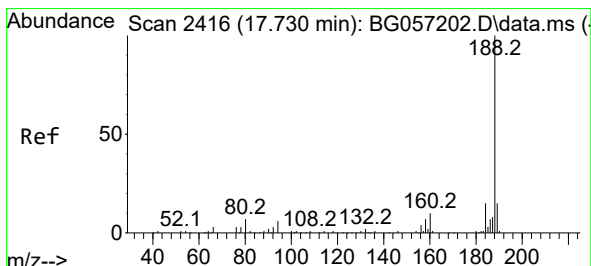
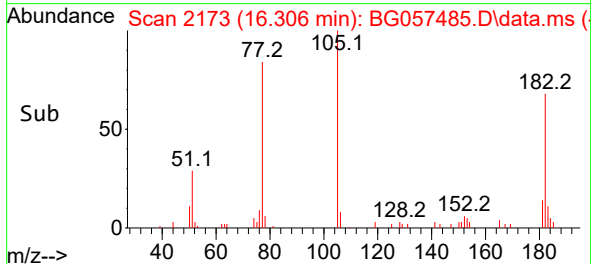
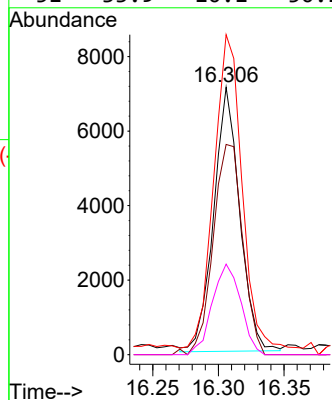
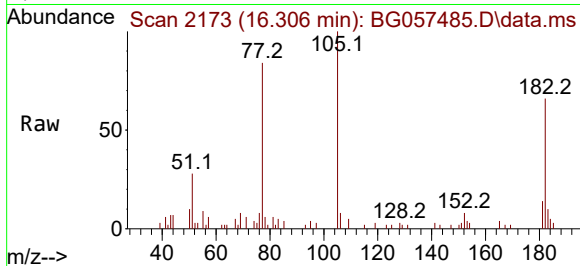




#63
Azobenzene
Concen: 2.116 ng
RT: 16.306 min Scan# 2173
Delta R.T. 0.020 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

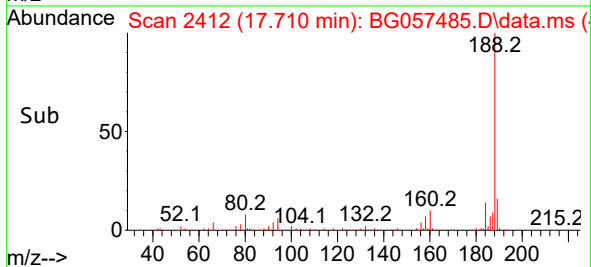
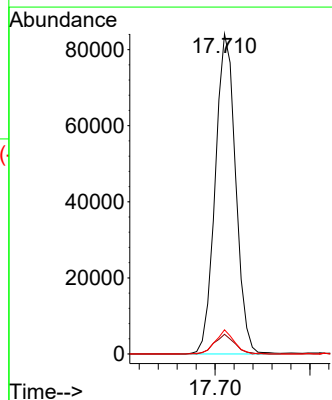
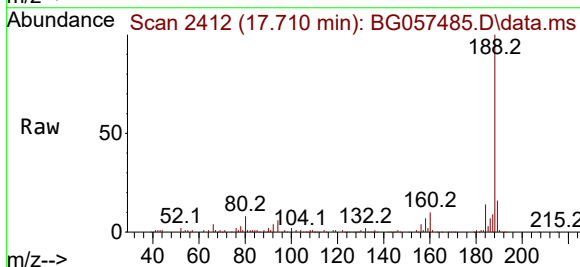
Instrument :
BNA_G
ClientSampleId :
OK-01-051723

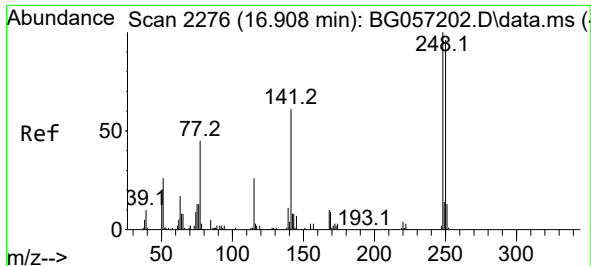
Tgt Ion: 77 Resp: 9798
Ion Ratio Lower Upper
77 100
182 78.6 7.4 47.4#
105 119.7 0.0 37.2#
51 33.9 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2412
Delta R.T. -0.004 min
Lab File: BG057485.D
Acq: 20 May 2023 3:09

Tgt Ion: 188 Resp: 125771
Ion Ratio Lower Upper
188 100
94 6.2 5.1 7.7
80 7.6 5.7 8.5





#67

4-Bromophenyl-phenylether

Concen: 3.111 ng

RT: 16.459 min Scan# 2199

Delta R.T. -0.427 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

Instrument :

BNA_G

ClientSampleId :

OK-01-051723

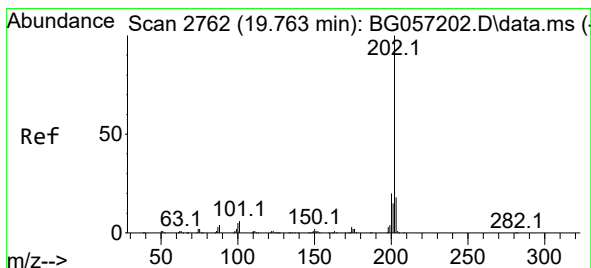
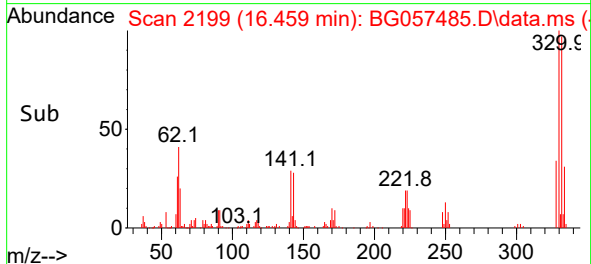
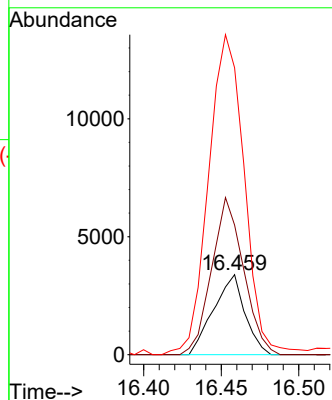
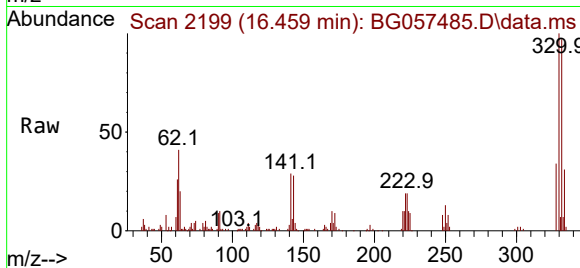
Tgt Ion:248 Resp: 4777

Ion Ratio Lower Upper

248 100

250 162.0 77.0 115.6#

141 358.7 48.6 72.8#



#75

Fluoranthene

Concen: 2.513 ng

RT: 19.742 min Scan# 2758

Delta R.T. -0.004 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

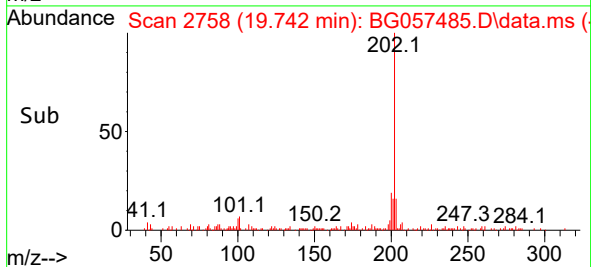
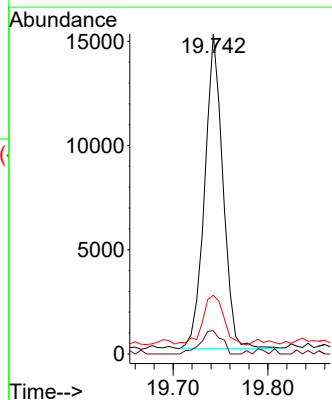
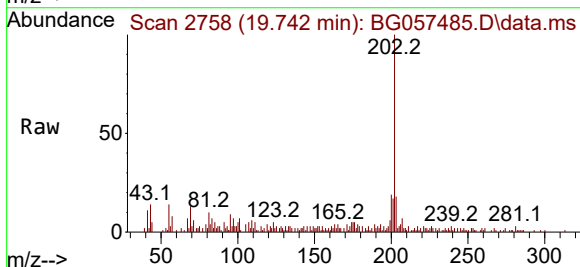
Tgt Ion:202 Resp: 20140

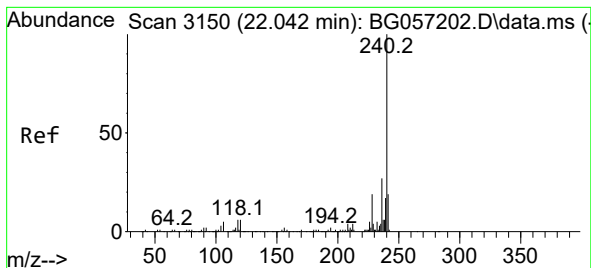
Ion Ratio Lower Upper

202 100

101 7.3 0.0 26.2

203 18.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.022 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

Instrument :

BNA_G

ClientSampleId :

OK-01-051723

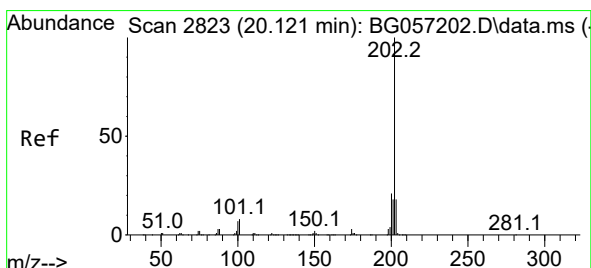
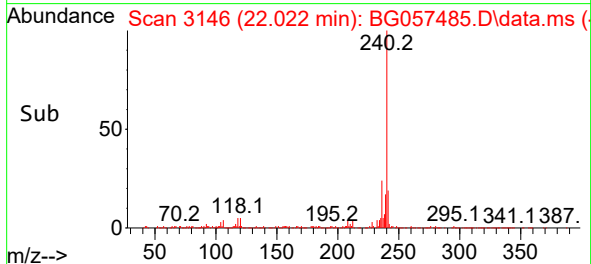
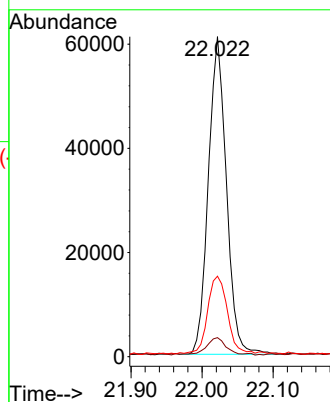
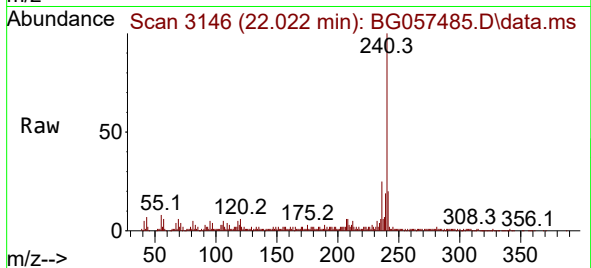
Tgt Ion:240 Resp: 107681

Ion Ratio Lower Upper

240 100

120 6.0 4.9 7.3

236 25.2 21.4 32.2



#78

Pyrene

Concen: 2.574 ng

RT: 19.742 min Scan# 2758

Delta R.T. -0.362 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

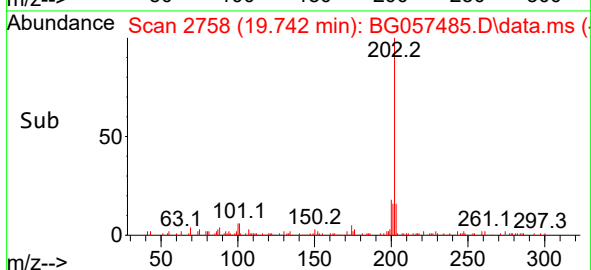
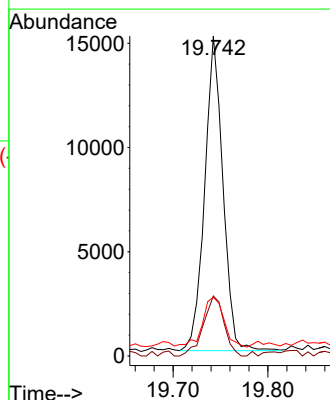
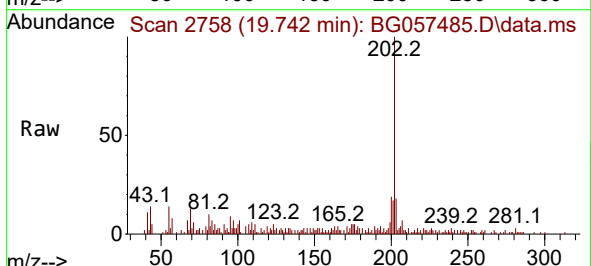
Tgt Ion:202 Resp: 20140

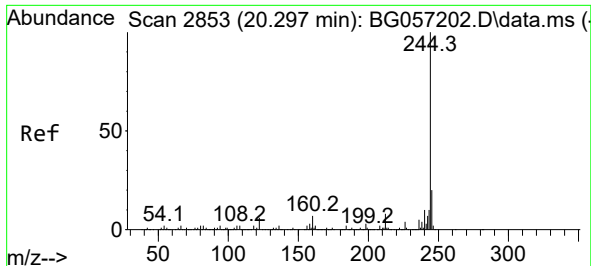
Ion Ratio Lower Upper

202 100

200 18.7 17.0 25.4

203 18.4 14.2 21.4

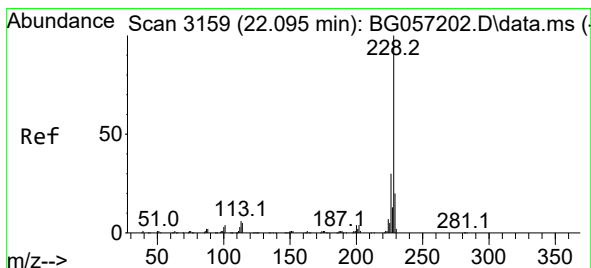
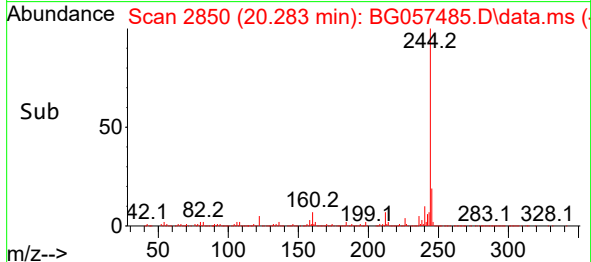
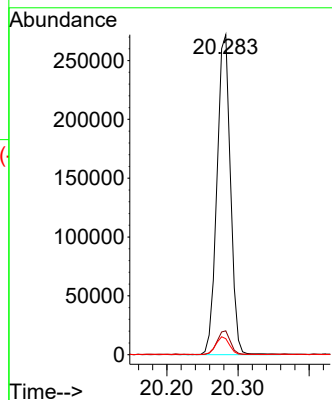
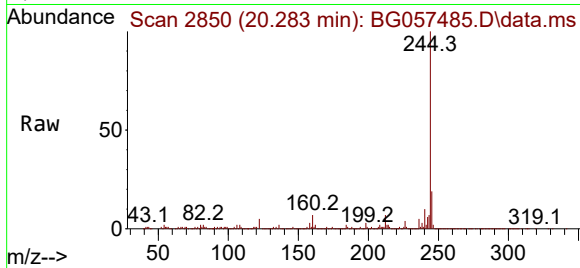




#79
 Terphenyl-d14
 Concen: 54.099 ng
 RT: 20.283 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG057485.D
 Acq: 20 May 2023 3:09

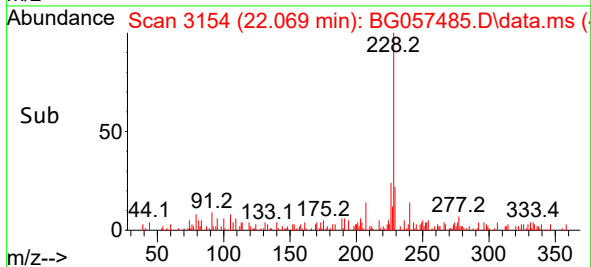
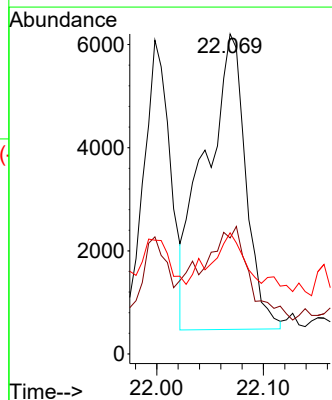
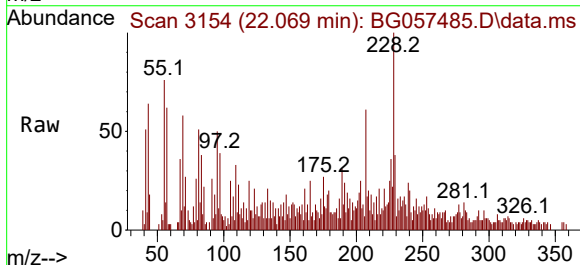
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-051723

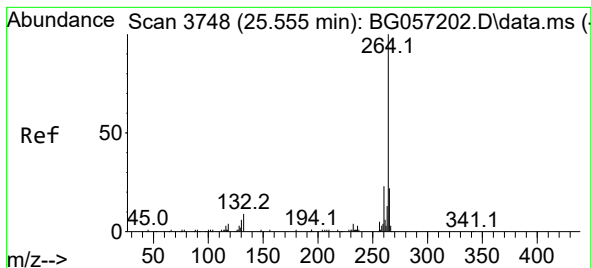
Tgt Ion:244 Resp: 356966
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 5.0 5.1 7.7#



#83
 Chrysene
 Concen: 2.109 ng
 RT: 22.069 min Scan# 3154
 Delta R.T. -0.004 min
 Lab File: BG057485.D
 Acq: 20 May 2023 3:09

Tgt Ion:228 Resp: 15226
 Ion Ratio Lower Upper
 228 100
 226 36.3 24.3 36.5
 229 37.9 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.535 min Scan# 3

Delta R.T. 0.020 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

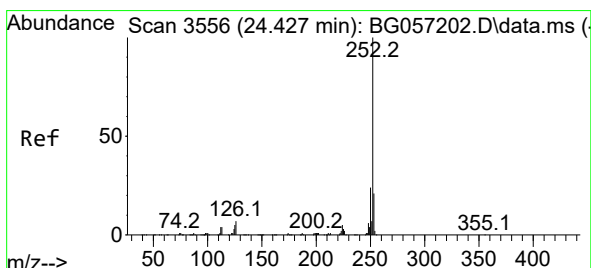
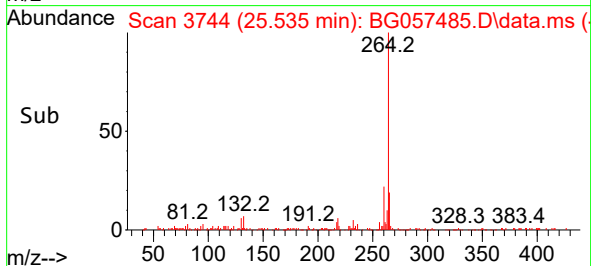
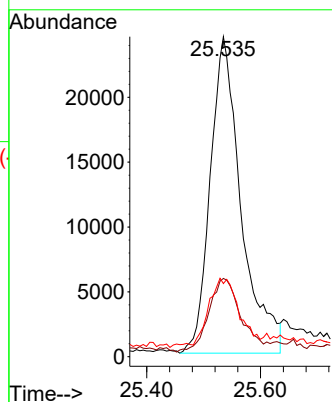
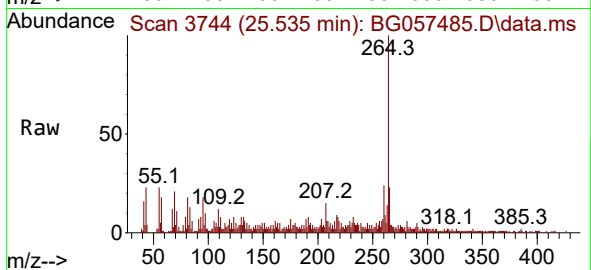
Instrument :

BNA_G

ClientSampleId :

OK-01-051723

Tgt Ion:	264	Resp:	92079
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.8	28.2
265	22.9	17.9	26.9



#88

Benzo(b)fluoranthene

Concen: 2.497 ng

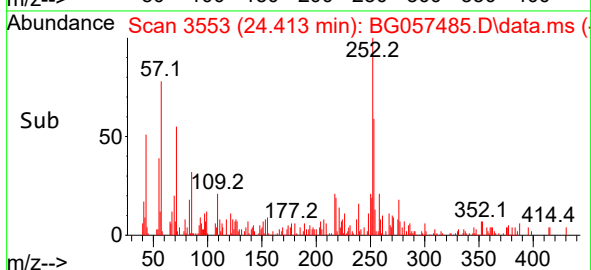
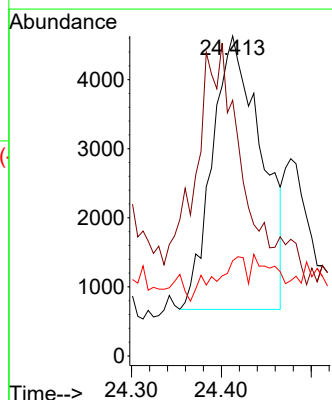
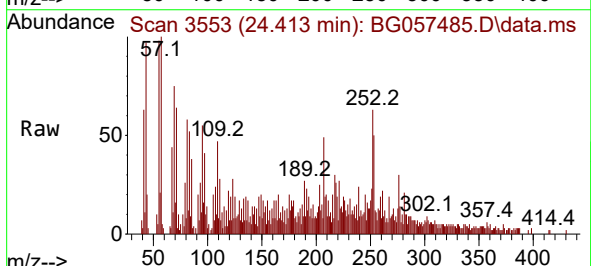
RT: 24.413 min Scan# 3553

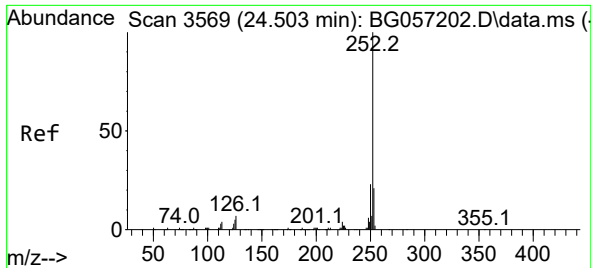
Delta R.T. 0.020 min

Lab File: BG057485.D

Acq: 20 May 2023 3:09

Tgt Ion:	252	Resp:	15027
Ion Ratio	Lower	Upper	
252	100		
253	79.9	17.0	25.6#
125	29.7	4.2	6.2#





#89

Benzo(k)fluoranthene

Concen: 2.457 ng

RT: 24.413 min Scan# 3

Delta R.T. -0.057 min

Lab File: BG057485.D

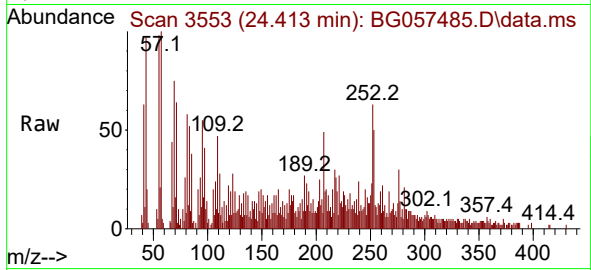
Acq: 20 May 2023 3:09

Instrument :

BNA_G

ClientSampleId :

OK-01-051723



Tgt Ion:252 Resp: 15027

Ion Ratio Lower Upper

252 100

253 79.9 17.4 26.0#

125 29.7 4.1 6.1#

