

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057549.D
 Acq On : 25 May 2023 1:06
 Operator : CG/JU
 Sample : 02904-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-052323

Quant Time: May 25 02:29:25 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)

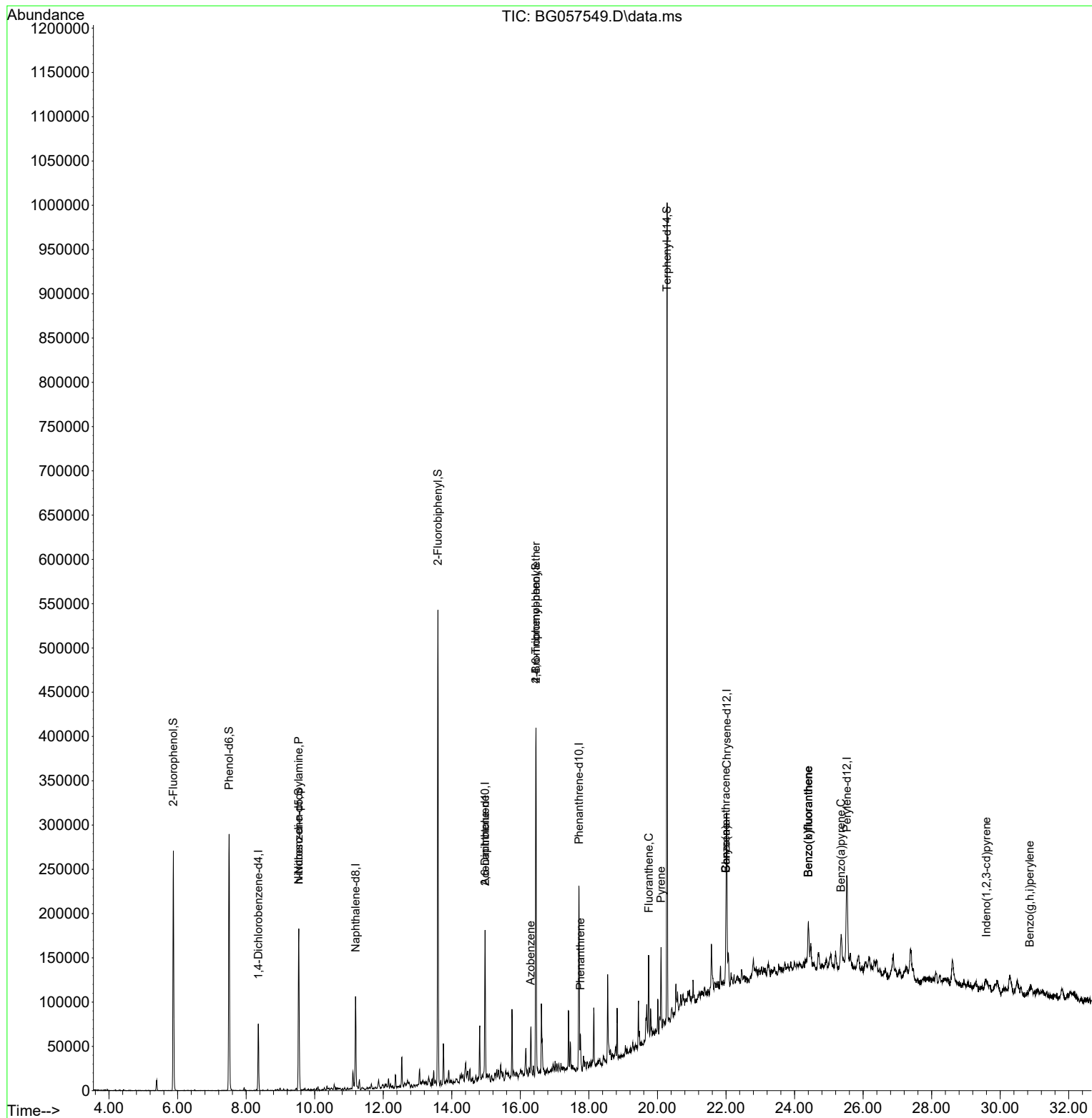
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	21974	20.000	ng	-0.01
21) Naphthalene-d8	11.192	136	86489	20.000	ng	-0.01
39) Acenaphthene-d10	14.969	164	59109	20.000	ng	-0.01
64) Phenanthrene-d10	17.713	188	135649	20.000	ng	-0.01
76) Chrysene-d12	22.019	240	120464	20.000	ng	-0.02
86) Perylene-d12	25.531	264	131210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	122472	95.341	ng	0.00
7) Phenol-d6	7.503	99	185706	95.201	ng	0.00
23) Nitrobenzene-d5	9.535	82	116554	56.560	ng	-0.01
42) 2,4,6-Tribromophenol	16.456	330	82700	98.606	ng	-0.01
45) 2-Fluorobiphenyl	13.595	172	282069	64.269	ng	-0.01
79) Terphenyl-d14	20.280	244	460742	62.417	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.503	77	238	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.535	70	16822	11.310	ng	# 75
51) 2,6-Dinitrotoluene	14.969	165	8992	9.067	ng	# 17
63) Azobenzene	16.303	77	14081	2.959	ng	# 1
67) 4-Bromophenyl-phenylether	16.456	248	5479	3.309	ng	# 1
71) Phenanthrene	17.754	178	24232	3.486	ng	97
75) Fluoranthene	19.745	202	63582	7.355	ng	100
78) Pyrene	20.104	202	58356	6.666	ng	98
81) Benzo(a)anthracene	21.995	228	35540	4.141	ng	97
83) Chrysene	21.995	228	35540	4.401	ng	94
87) Indeno(1,2,3-cd)pyrene	29.597	276	22935	2.398	ng	# 66
88) Benzo(b)fluoranthene	24.404	252	54726	6.380	ng	# 79
89) Benzo(k)fluoranthene	24.404	252	54726	6.279	ng	# 80
90) Benzo(a)pyrene	25.355	252	36634	4.372	ng	# 87
92) Benzo(g,h,i)perylene	30.860	276	20755	2.669	ng	# 97

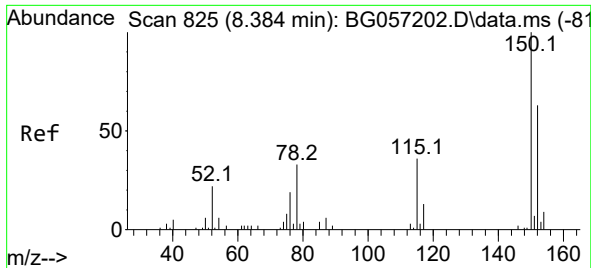
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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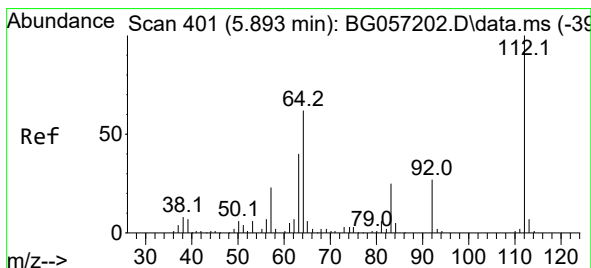
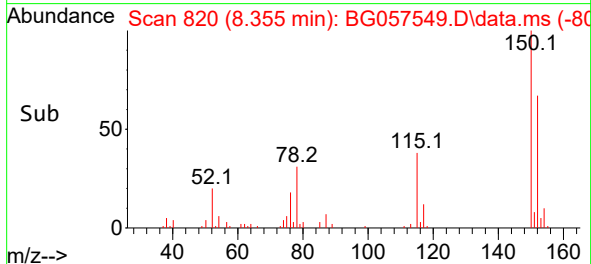
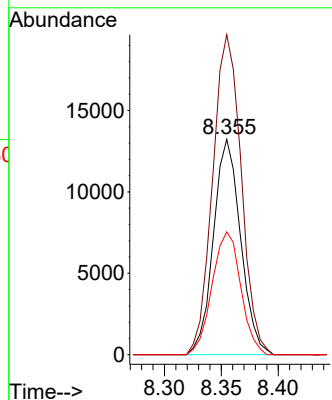
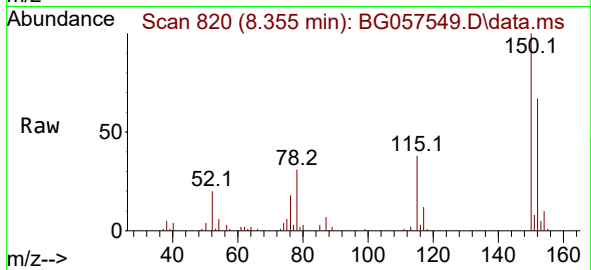




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

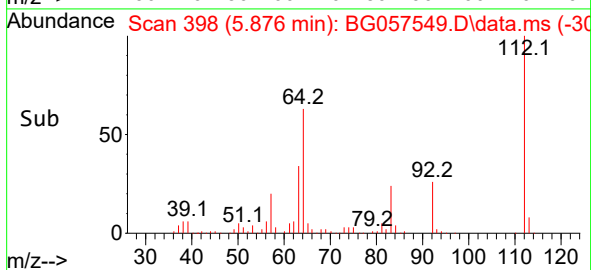
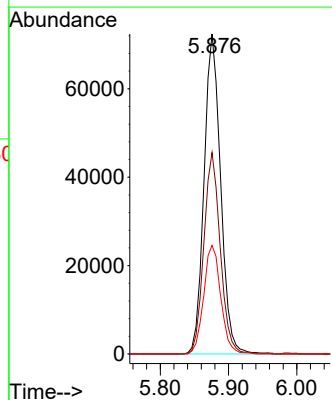
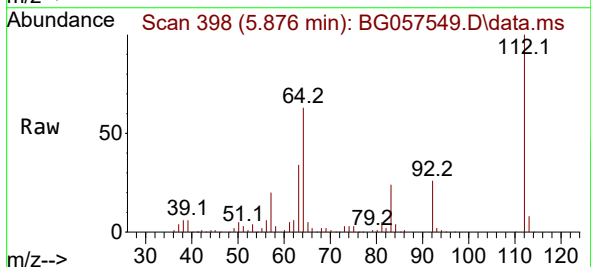
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

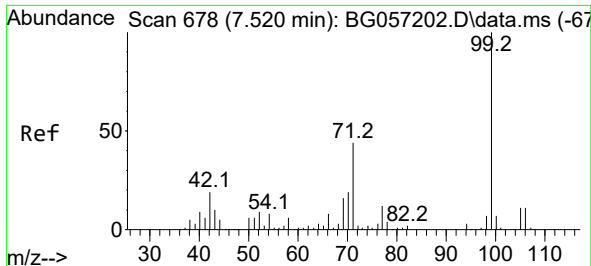
Tgt Ion:152 Resp: 21974
Ion Ratio Lower Upper
152 100
150 148.6 126.2 189.4
115 57.0 45.0 67.4



#5
2-Fluorophenol
Concen: 95.341 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.001 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:112 Resp: 122472
Ion Ratio Lower Upper
112 100
64 63.0 49.4 74.2
63 33.9 31.6 47.4

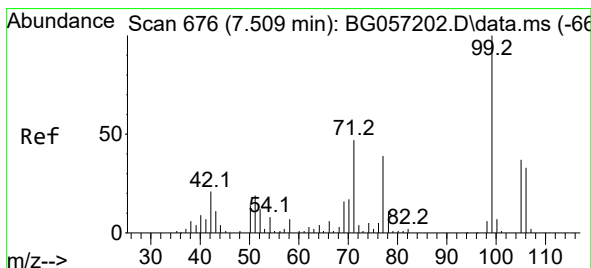
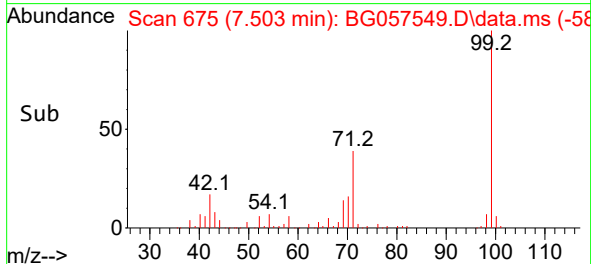
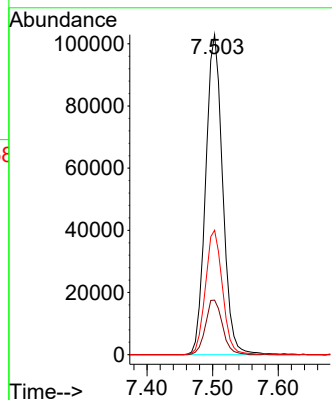
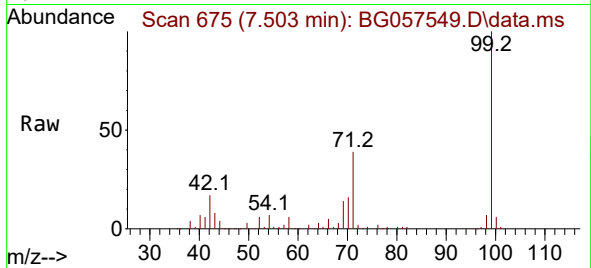




#7
Phenol-d6
Concen: 95.201 ng
RT: 7.503 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

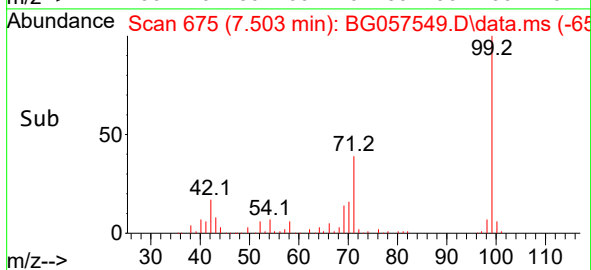
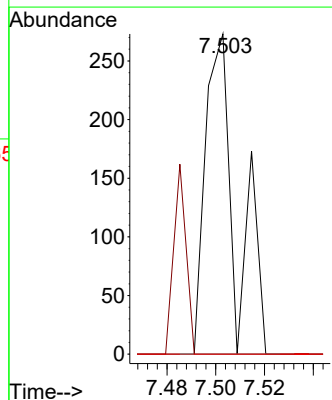
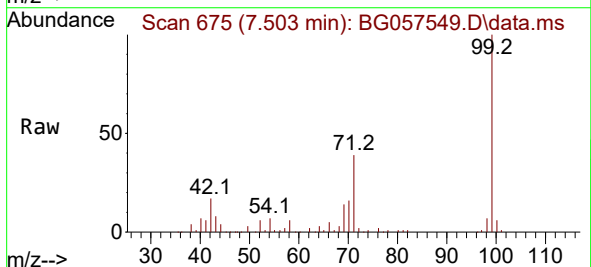
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

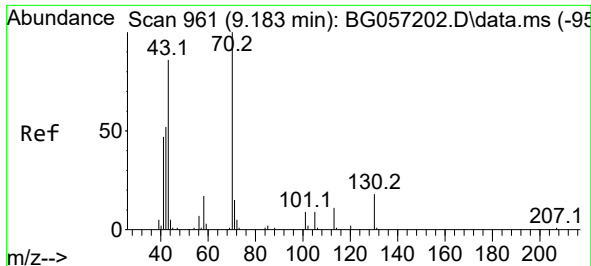
Tgt Ion: 99 Resp: 185706
Ion Ratio Lower Upper
99 100
42 17.0 15.1 22.7
71 38.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.503 min Scan# 675
Delta R.T. 0.012 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

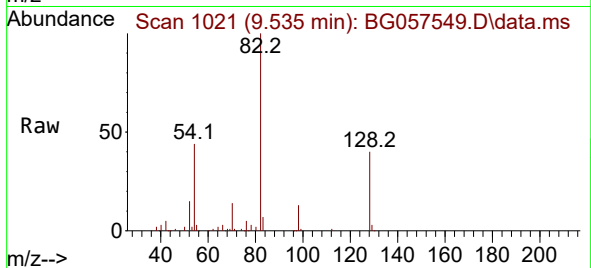
Tgt Ion: 77 Resp: 238
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



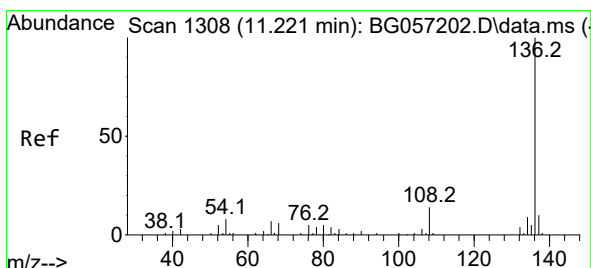
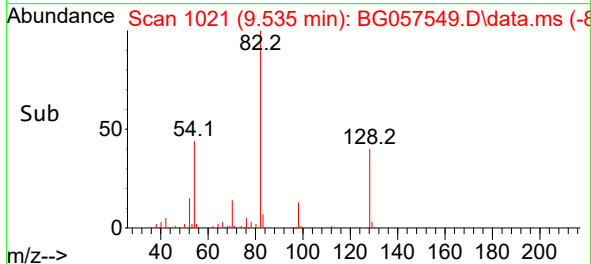
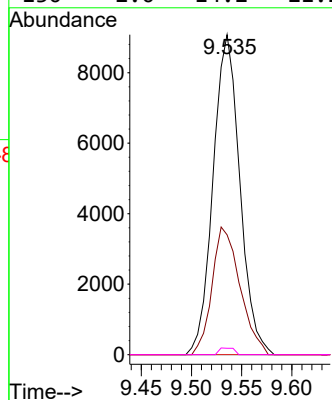


#19
n-Nitroso-di-n-propylamine
Concen: 11.310 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.371 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :
BNA_G
ClientSampleId :
EO-3-052323

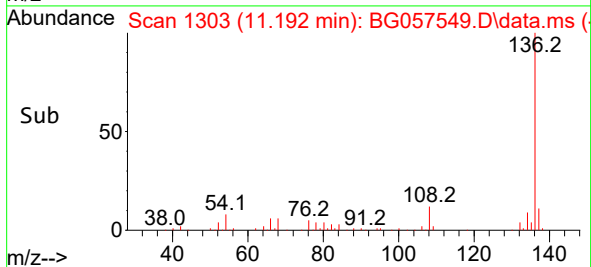
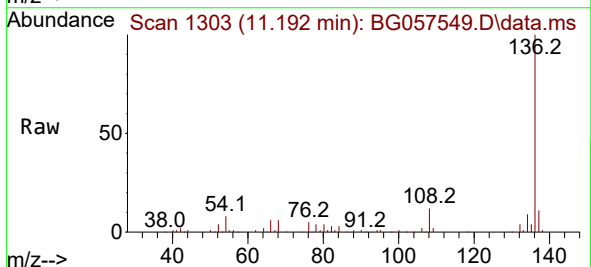
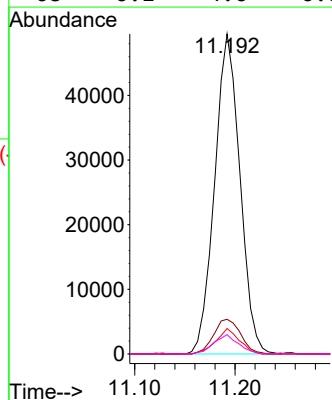


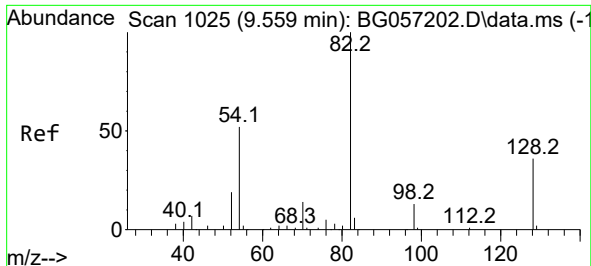
Tgt Ion: 70 Resp: 16822
Ion Ratio Lower Upper
70 100
42 37.5 41.8 62.8#
101 0.0 6.8 10.2#
130 2.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion: 136 Resp: 86489
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 7.9 6.7 10.1
68 6.1 4.6 6.8

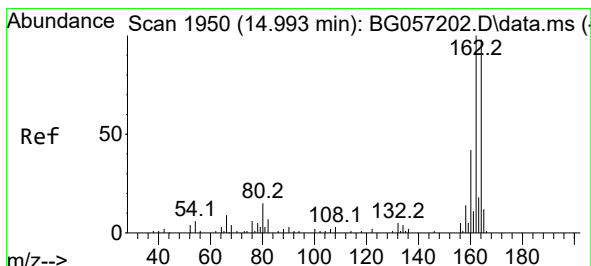
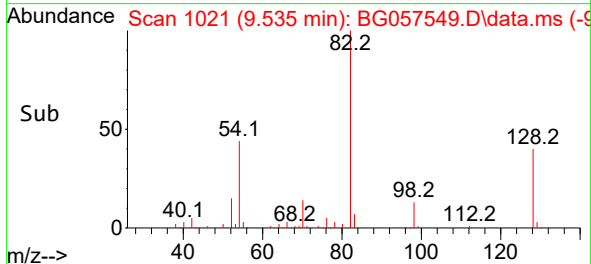
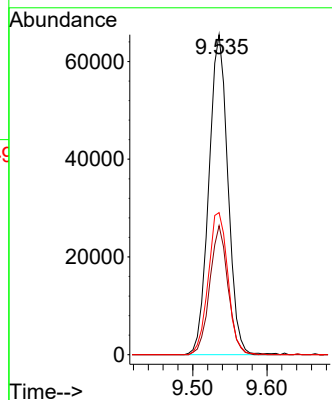
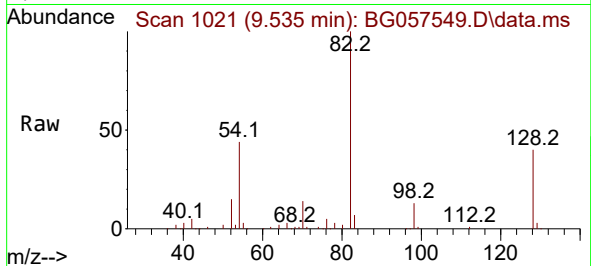




#23
 Nitrobenzene-d5
 Concen: 56.560 ng
 RT: 9.535 min Scan# 1021
 Delta R.T. -0.011 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

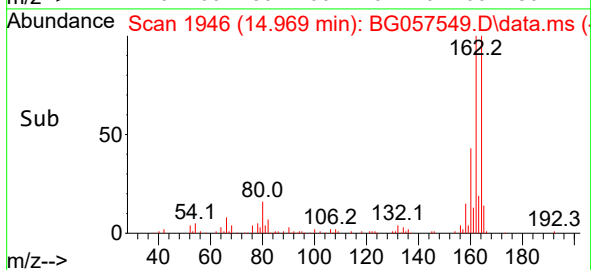
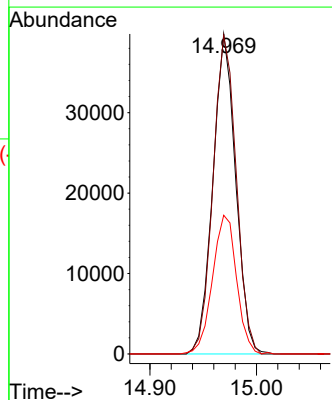
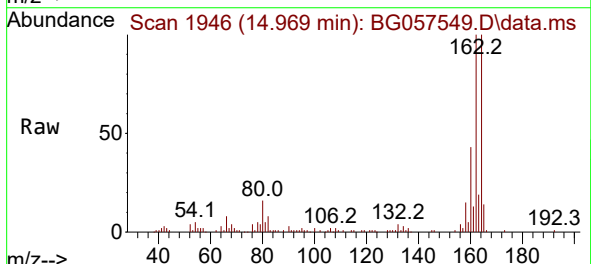
Instrument :
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 ClientSampleId :
 EO-3-052323

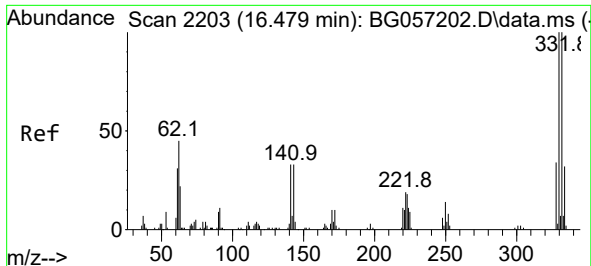
Tgt Ion: 82 Resp: 116554
 Ion Ratio Lower Upper
 82 100
 128 40.3 29.0 43.4
 54 44.4 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.969 min Scan# 1946
 Delta R.T. -0.011 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

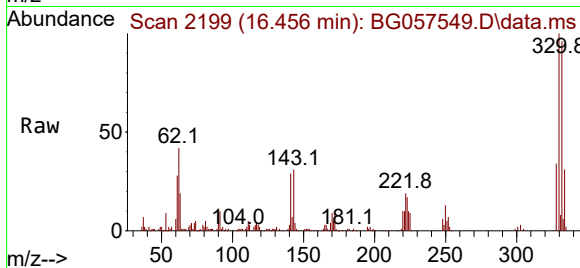
Tgt Ion:164 Resp: 59109
 Ion Ratio Lower Upper
 164 100
 162 99.5 81.8 122.6
 160 43.3 34.6 52.0



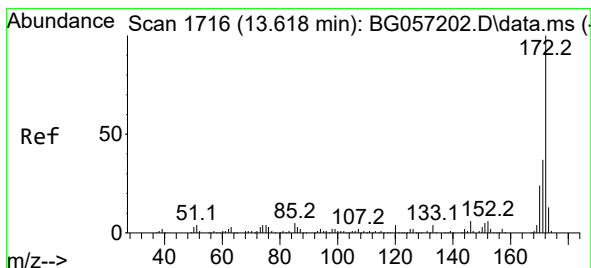
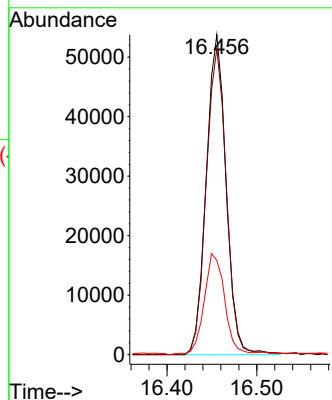
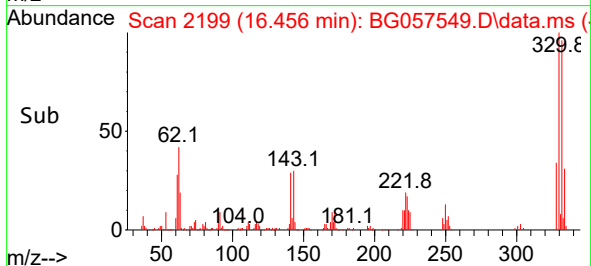


#42
2,4,6-Tribromophenol
Concen: 98.606 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

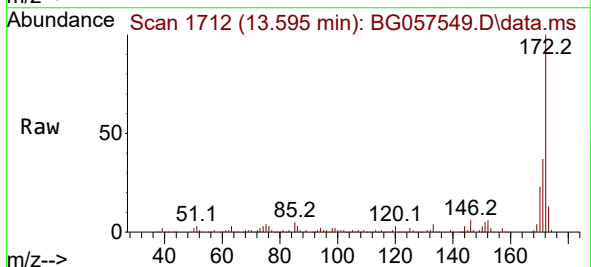
Instrument :
BNA_G
ClientSampleId :
EO-3-052323



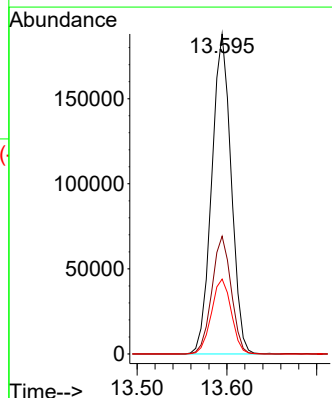
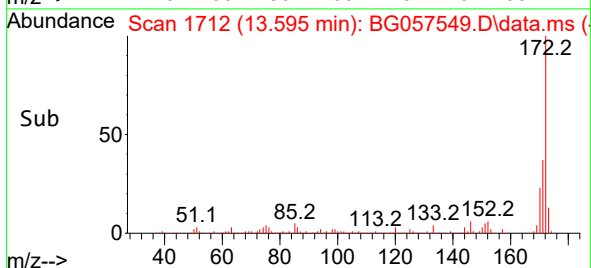
Tgt Ion:330 Resp: 82700
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.2
141 32.6 27.8 41.8

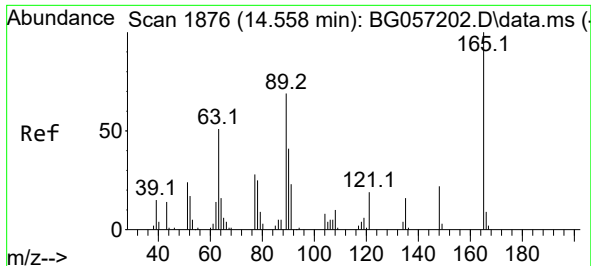


#45
2-Fluorobiphenyl
Concen: 64.269 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06



Tgt Ion:172 Resp: 282069
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 23.4 19.0 28.6

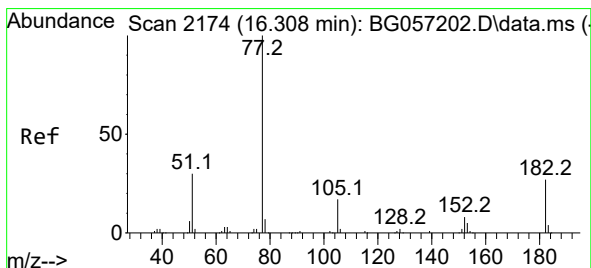
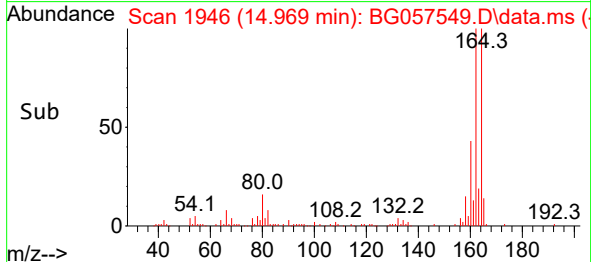
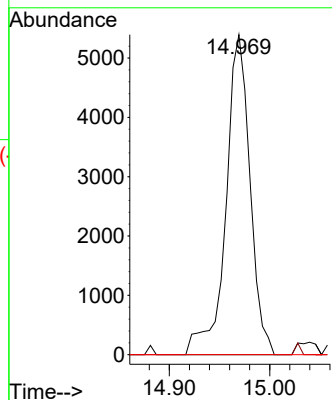
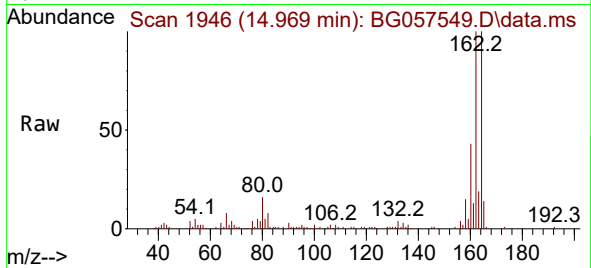




#51
2,6-Dinitrotoluene
Concen: 9.067 ng
RT: 14.969 min Scan# 14
Delta R.T. 0.418 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

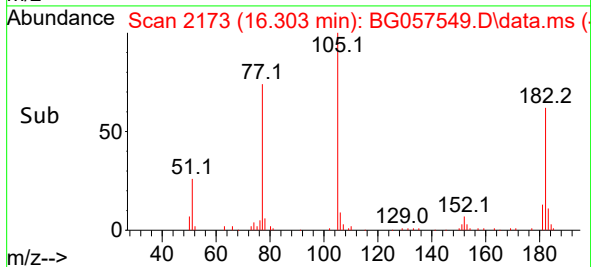
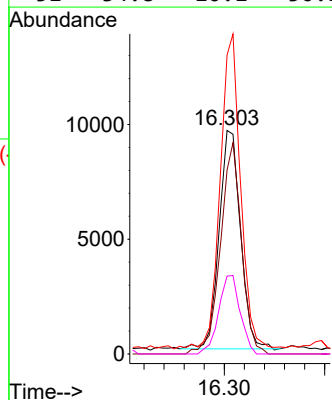
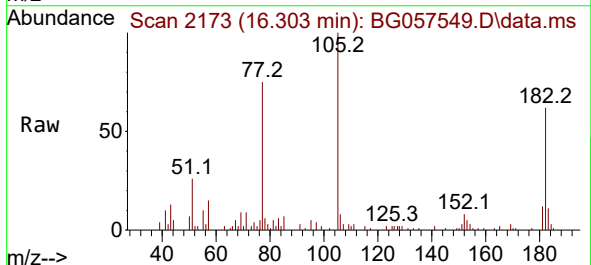
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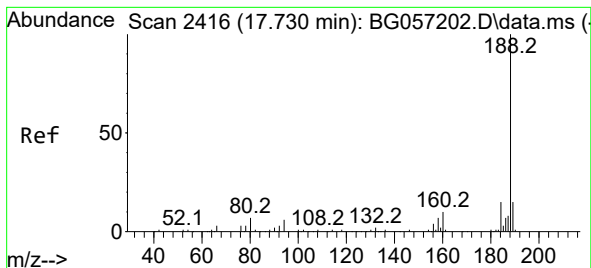
Tgt Ion:165 Resp: 8992
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#63
Azobenzene
Concen: 2.959 ng
RT: 16.303 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion: 77 Resp: 14081
Ion Ratio Lower Upper
77 100
182 82.3 7.4 47.4#
105 133.8 0.0 37.2#
51 34.8 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

EO-3-052323

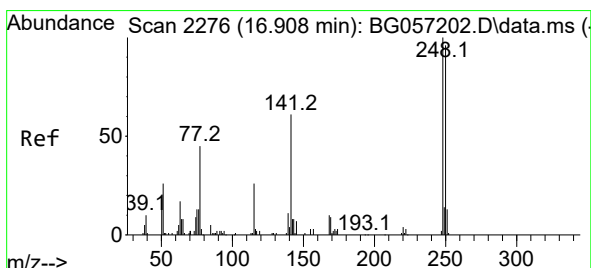
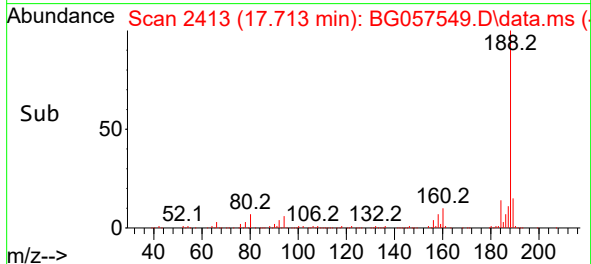
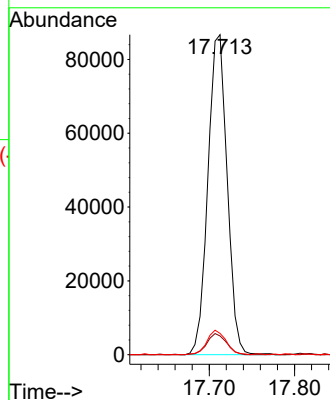
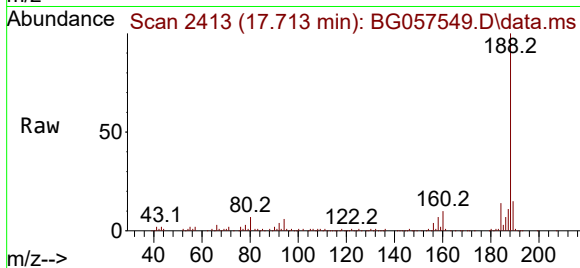
Tgt Ion:188 Resp: 135649

Ion Ratio Lower Upper

188 100

94 5.9 5.1 7.7

80 6.6 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 3.309 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.440 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

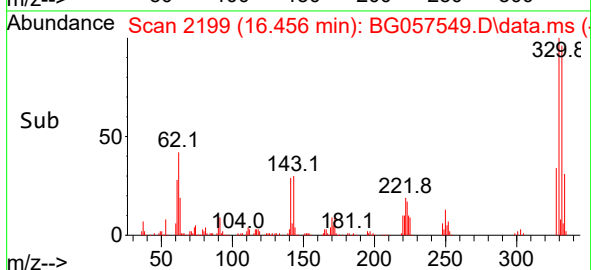
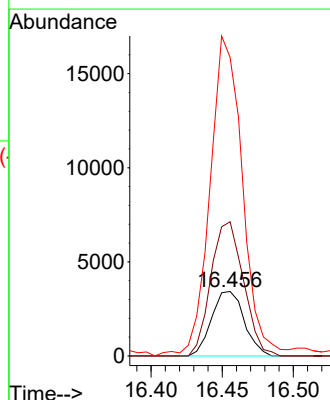
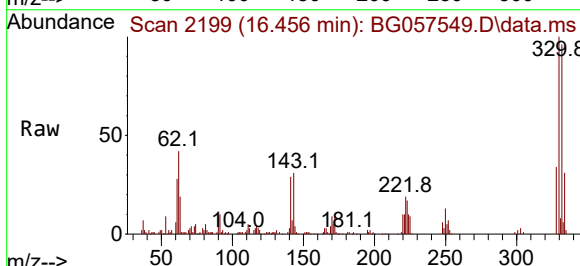
Tgt Ion:248 Resp: 5479

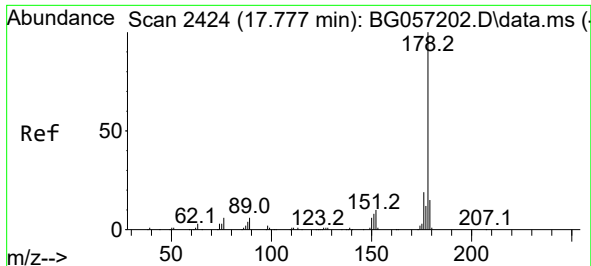
Ion Ratio Lower Upper

248 100

250 208.1 77.0 115.6#

141 462.6 48.6 72.8#

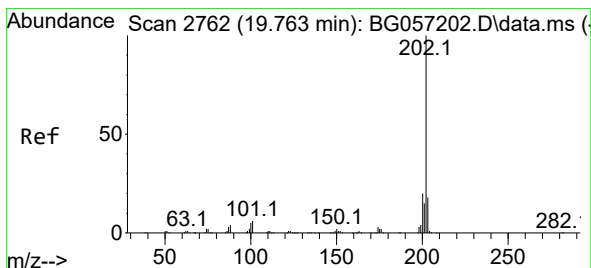
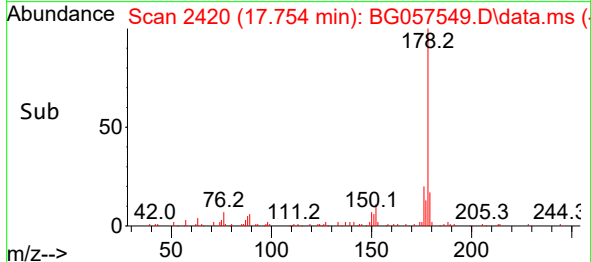
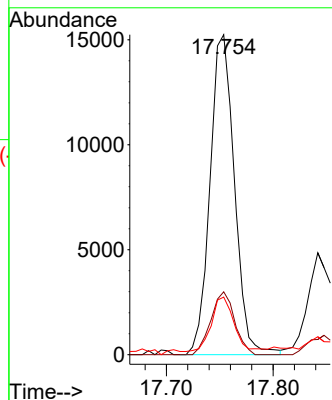
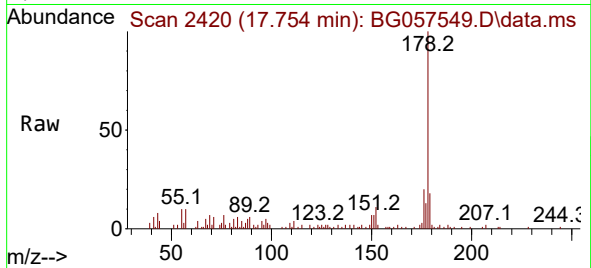




#71
Phenanthrene
Concen: 3.486 ng
RT: 17.754 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

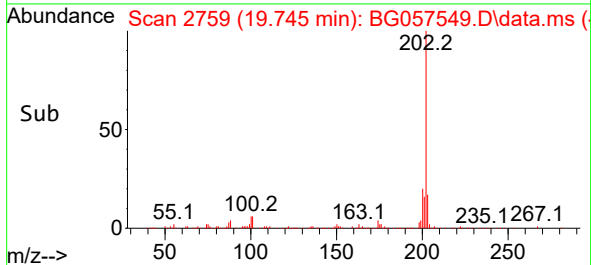
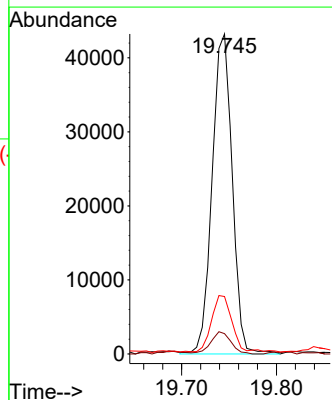
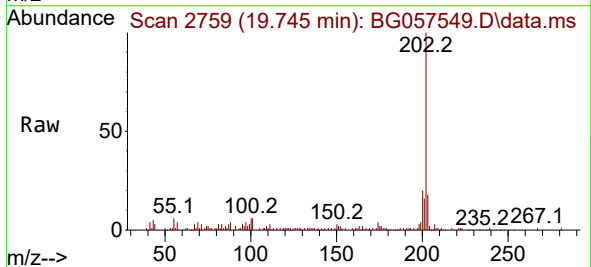
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

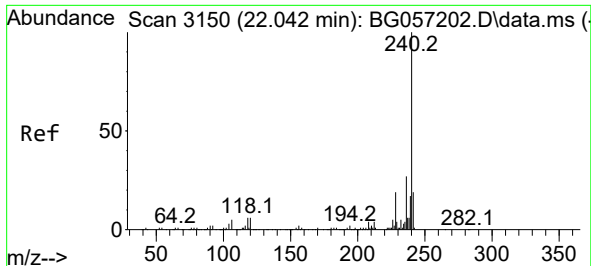
Tgt Ion:178 Resp: 24232
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 18.0 12.3 18.5



#75
Fluoranthene
Concen: 7.355 ng
RT: 19.745 min Scan# 2759
Delta R.T. -0.005 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:202 Resp: 63582
Ion Ratio Lower Upper
202 100
101 6.4 0.0 26.2
203 18.0 0.0 37.9

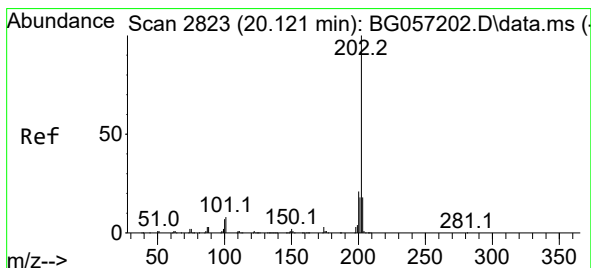
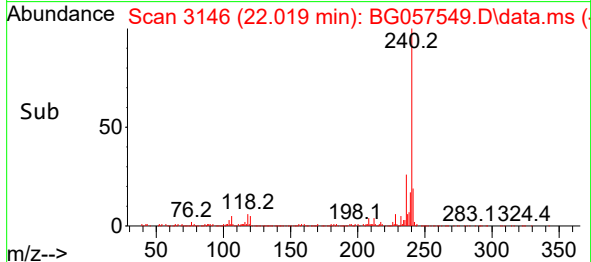
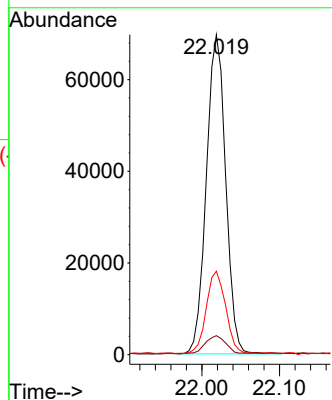
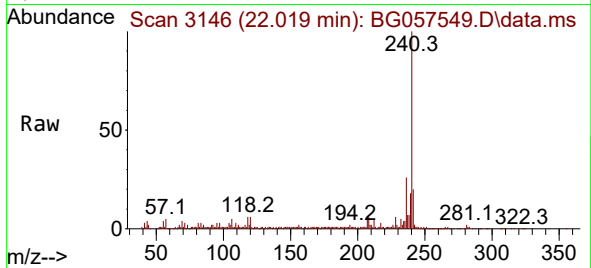




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3150
Delta R.T. -0.017 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

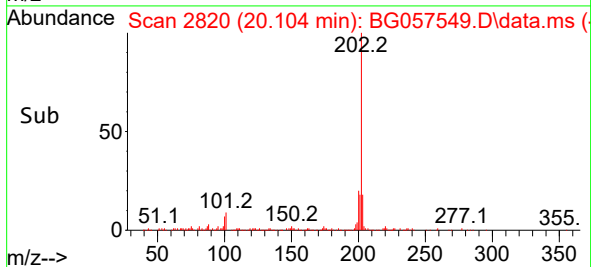
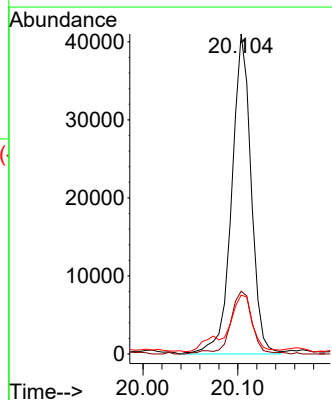
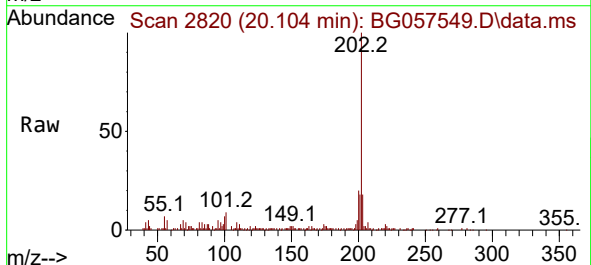
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

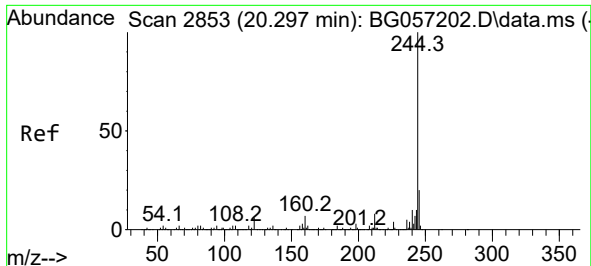
Tgt Ion:240 Resp: 120464
Ion Ratio Lower Upper
240 100
120 5.9 4.9 7.3
236 26.1 21.4 32.2



#78
Pyrene
Concen: 6.666 ng
RT: 20.104 min Scan# 2820
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:202 Resp: 58356
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.4
203 18.4 14.2 21.4

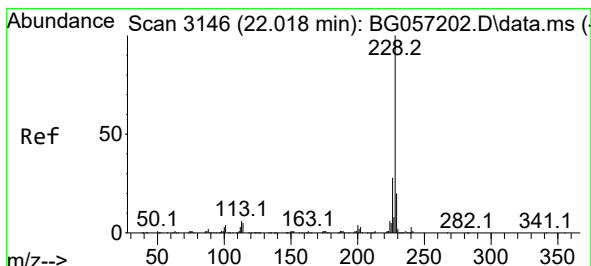
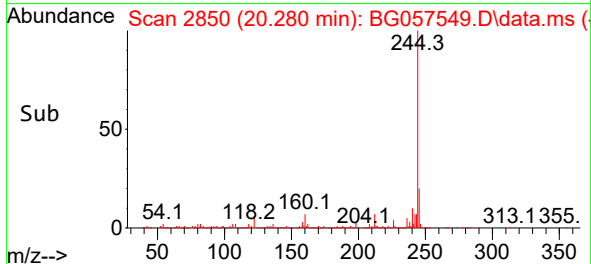
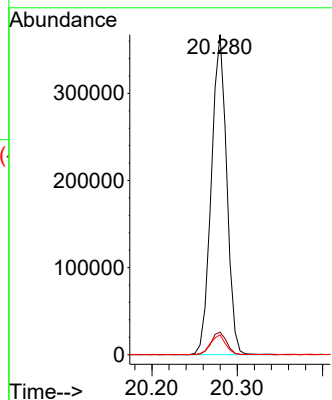
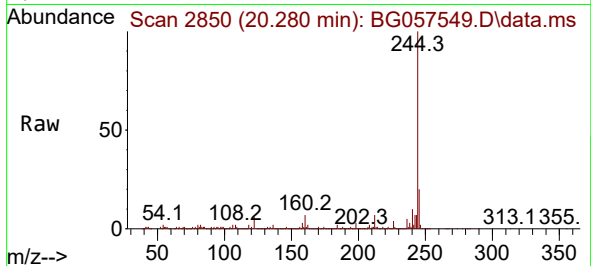




#79
 Terphenyl-d14
 Concen: 62.417 ng
 RT: 20.280 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

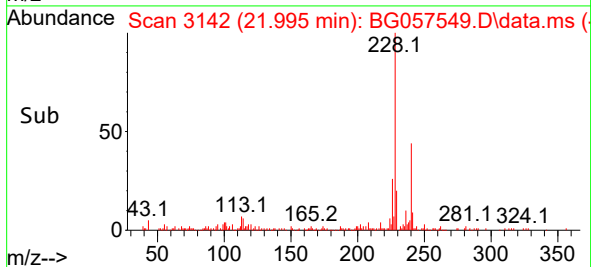
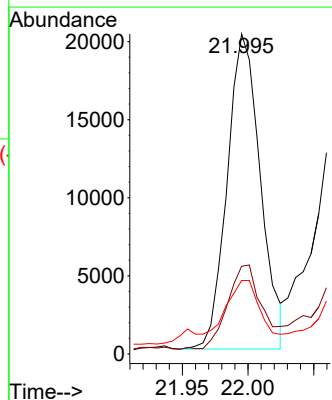
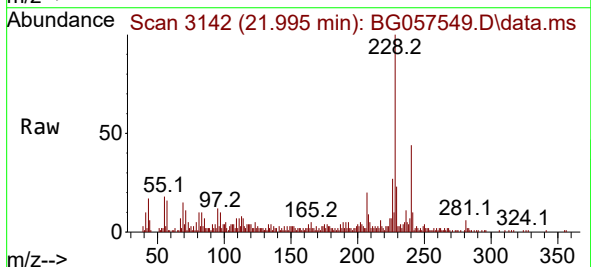
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-052323

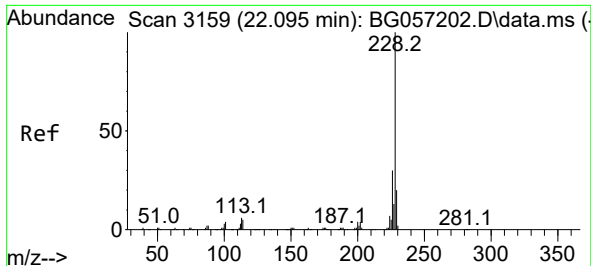
Tgt Ion:244 Resp: 460742
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.2 5.1 7.7



#81
 Benzo(a)anthracene
 Concen: 4.141 ng
 RT: 21.995 min Scan# 3142
 Delta R.T. -0.017 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

Tgt Ion:228 Resp: 35540
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.0 33.0
 229 23.0 15.8 23.8

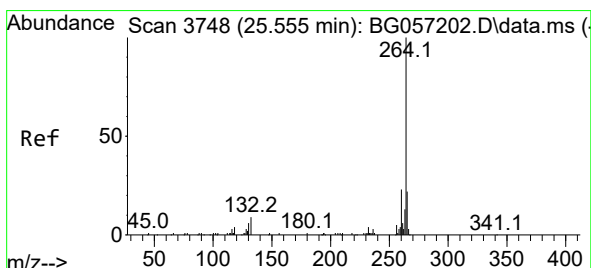
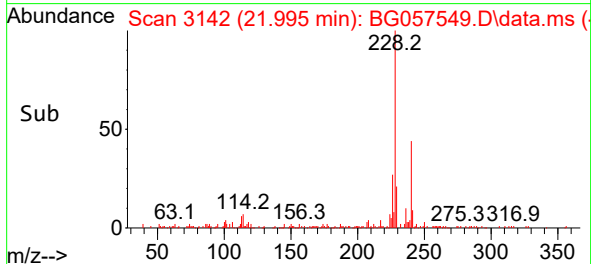
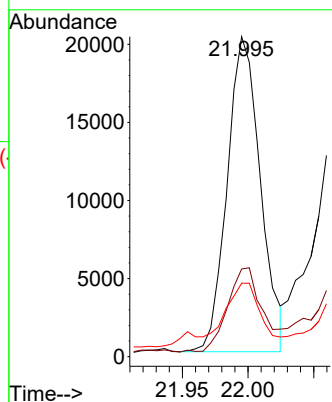
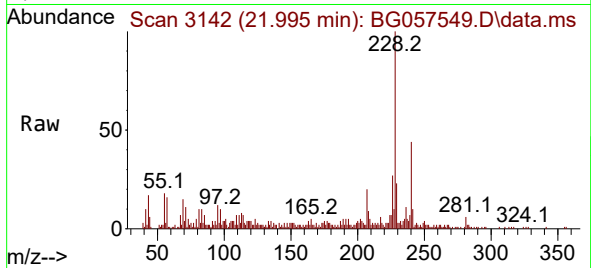




#83
Chrysene
Concen: 4.401 ng
RT: 21.995 min Scan# 3159
Delta R.T. -0.087 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

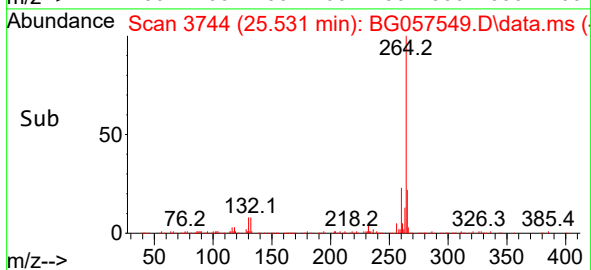
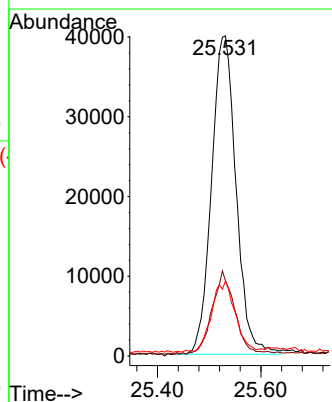
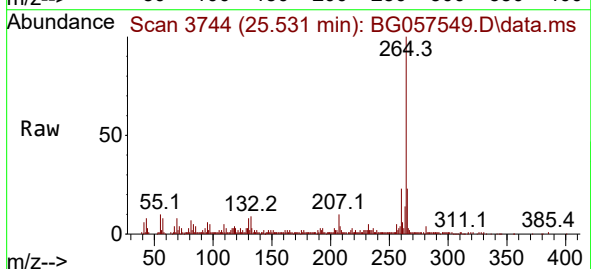
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

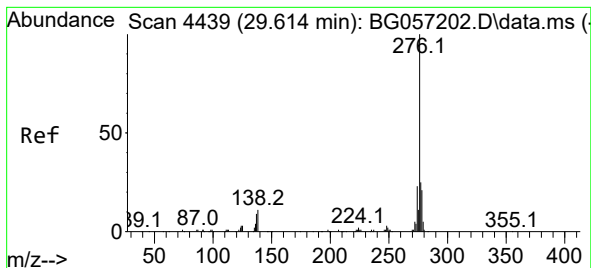
Tgt Ion:228 Resp: 35540
Ion Ratio Lower Upper
228 100
226 27.4 24.3 36.5
229 23.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.531 min Scan# 3744
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:264 Resp: 131210
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 23.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.398 ng

RT: 29.597 min Scan# 4436

Delta R.T. -0.023 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

EO-3-052323

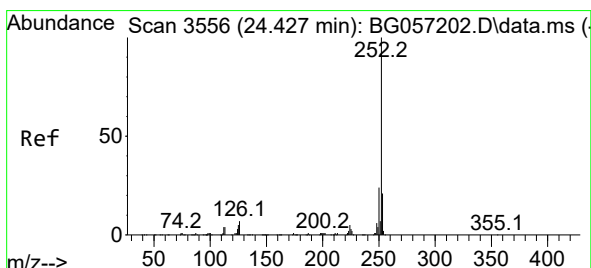
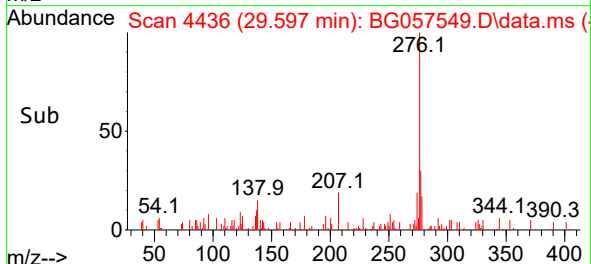
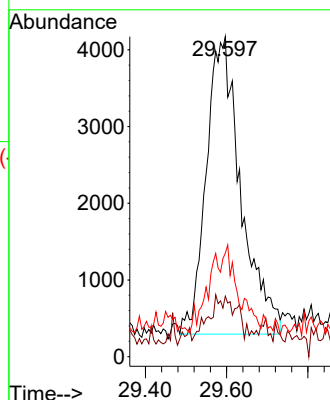
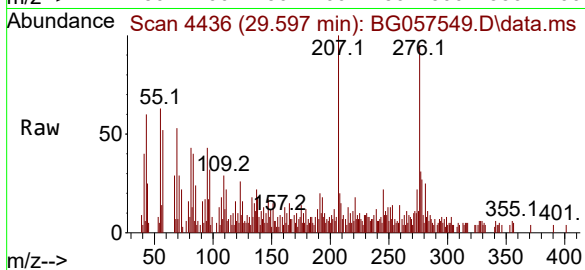
Tgt Ion:276 Resp: 22935

Ion Ratio Lower Upper

276 100

138 0.0 5.4 8.0#

277 6.3 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 6.380 ng

RT: 24.404 min Scan# 3552

Delta R.T. -0.017 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

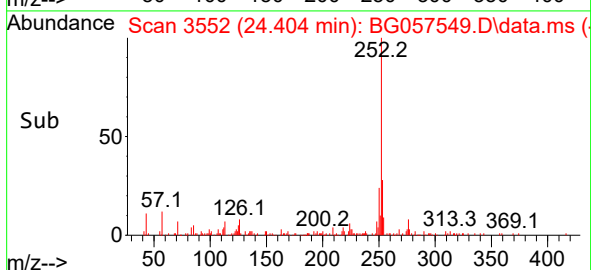
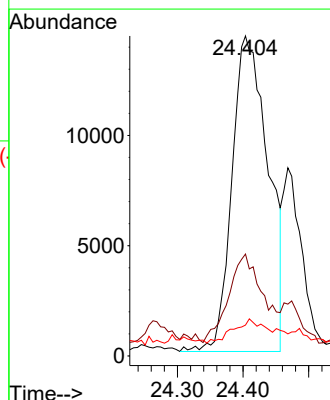
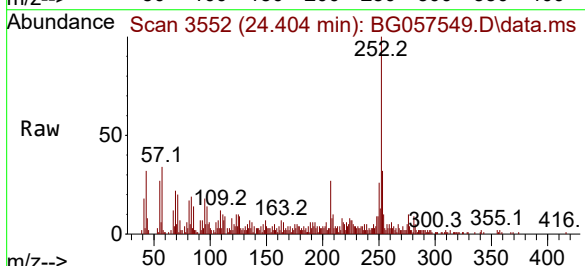
Tgt Ion:252 Resp: 54726

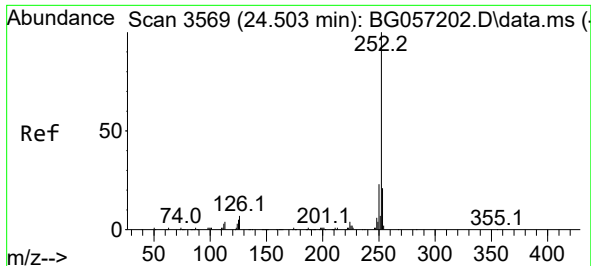
Ion Ratio Lower Upper

252 100

253 31.9 17.0 25.6#

125 9.7 4.2 6.2#





#89

Benzo(k)fluoranthene

Concen: 6.279 ng

RT: 24.404 min Scan# 3

Delta R.T. -0.093 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

EO-3-052323

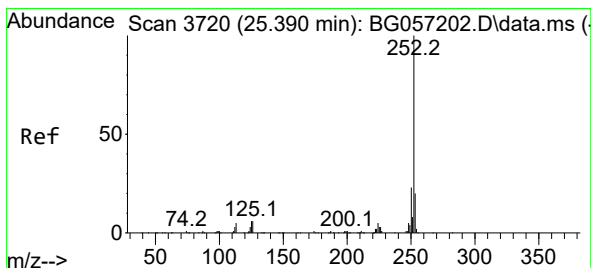
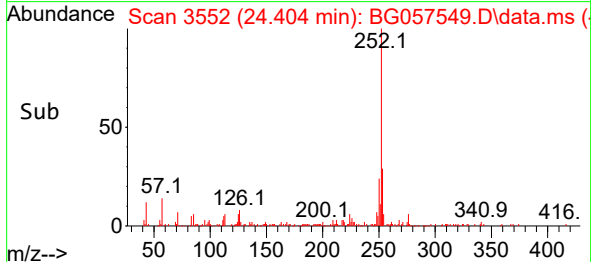
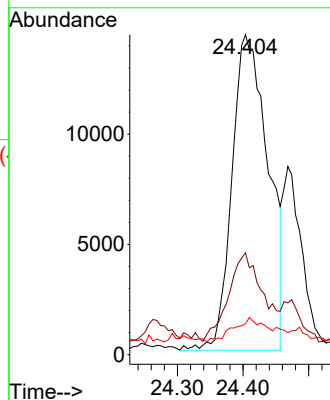
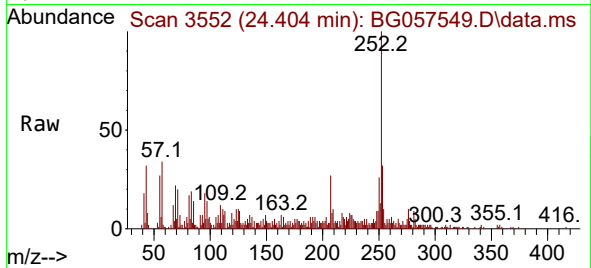
Tgt Ion:252 Resp: 54726

Ion Ratio Lower Upper

252 100

253 31.9 17.4 26.0#

125 9.7 4.1 6.1#



#90

Benzo(a)pyrene

Concen: 4.372 ng

RT: 25.355 min Scan# 3714

Delta R.T. -0.029 min

Lab File: BG057549.D

Acq: 25 May 2023 1:06

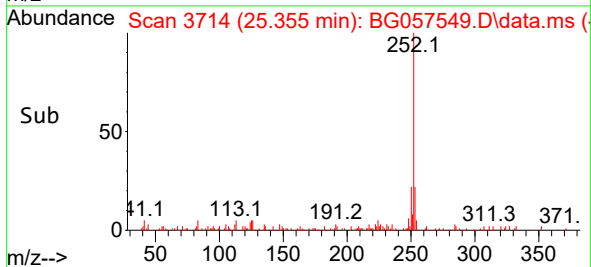
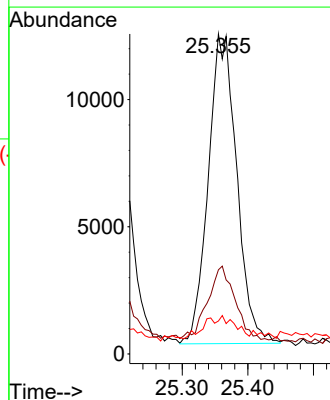
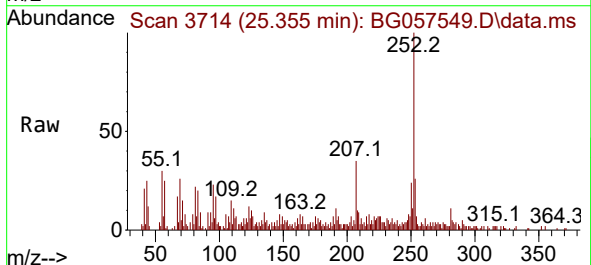
Tgt Ion:252 Resp: 36634

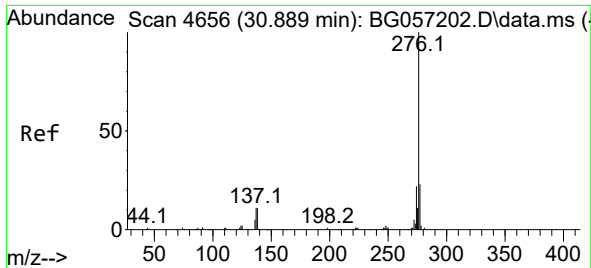
Ion Ratio Lower Upper

252 100

253 26.3 16.3 24.5#

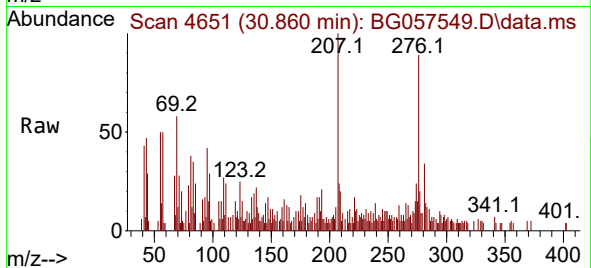
125 10.3 5.0 7.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.669 ng
 RT: 30.860 min Scan# 4
 Delta R.T. -0.035 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-052323



Tgt Ion:	276	Resp:	20755
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.4	27.6
138	14.1	9.0	13.4#

