

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057633.D
 Acq On : 31 May 2023 22:53
 Operator : CG/JU
 Sample : 02980-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023

Quant Time: Jun 01 03:58:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

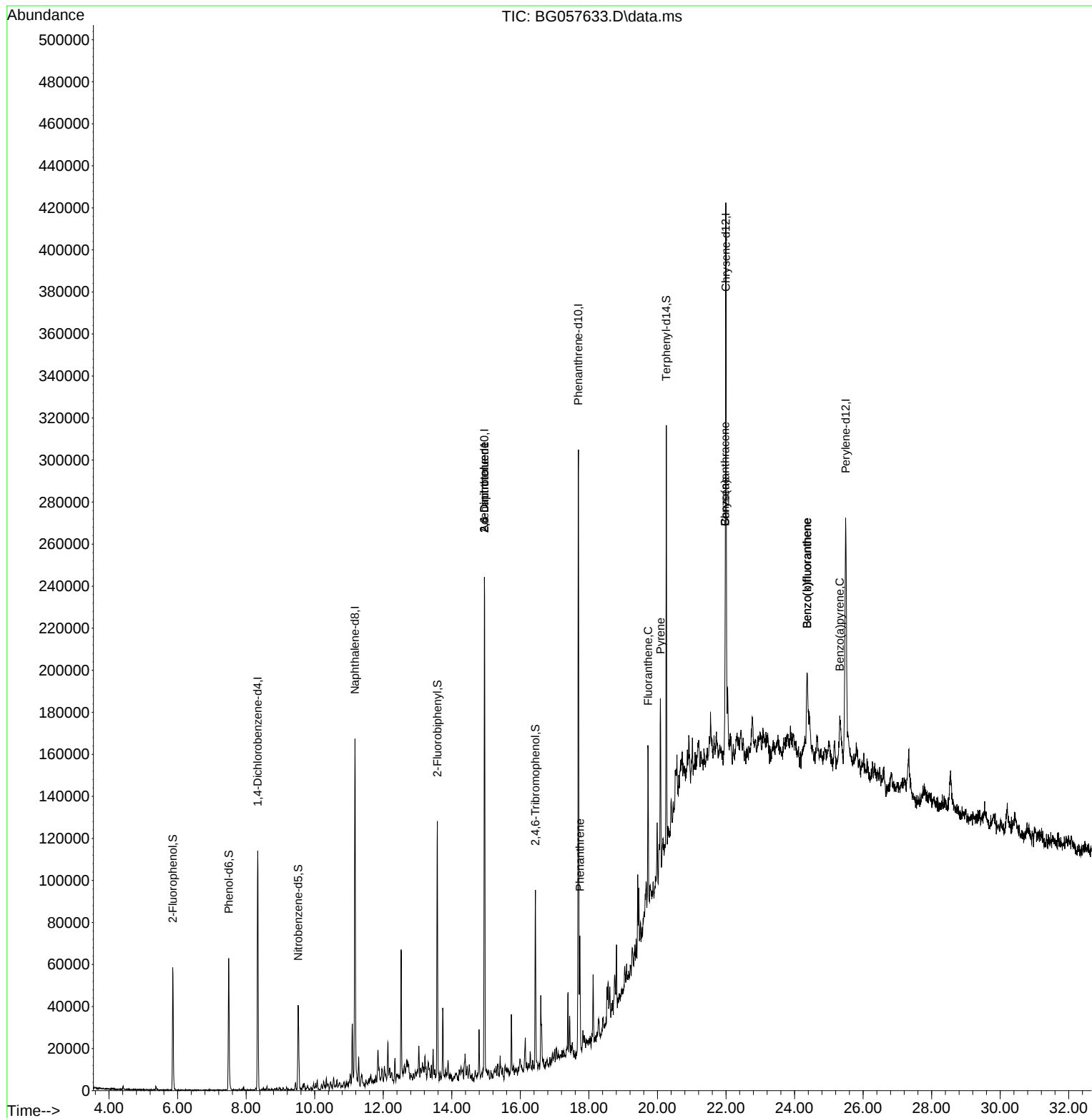
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	33858	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	135161	20.000	ng	# 0.00
39) Acenaphthene-d10	14.953	164	86128	20.000	ng	0.00
64) Phenanthrene-d10	17.696	188	185827	20.000	ng	0.00
76) Chrysene-d12	21.996	240	158815	20.000	ng	0.00
86) Perylene-d12	25.491	264	165201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.859	112	29811	15.296	ng	0.00
7) Phenol-d6	7.492	99	42898	14.065	ng	0.00
23) Nitrobenzene-d5	9.519	82	26601	9.200	ng	0.00
42) 2,4,6-Tribromophenol	16.439	330	16741	12.141	ng	0.00
45) 2-Fluorobiphenyl	13.578	172	65342	10.903	ng	0.00
79) Terphenyl-d14	20.257	244	97971	10.686	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.953	165	11526	7.585	ng	# 27
57) 2,4-Dinitrotoluene	14.953	165	11526	5.066	ng	# 25
71) Phenanthrene	17.737	178	33837	3.558	ng	99
75) Fluoranthene	19.729	202	51694	4.187	ng	99
78) Pyrene	20.087	202	50413	4.458	ng	98
81) Benzo(a)anthracene	21.978	228	25329	2.299	ng	94
83) Chrysene	21.978	228	25329	2.433	ng	97
88) Benzo(b)fluoranthene	24.369	252	35505	3.492	ng	# 84
89) Benzo(k)fluoranthene	24.369	252	35505	3.460	ng	# 80
90) Benzo(a)pyrene	25.321	252	22083	2.227	ng	# 78

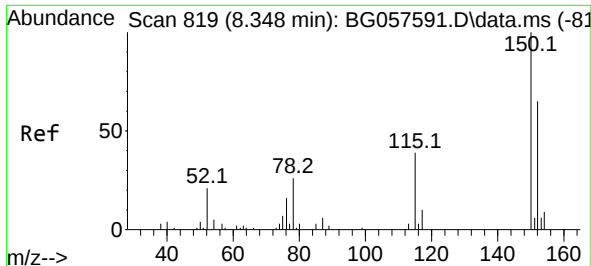
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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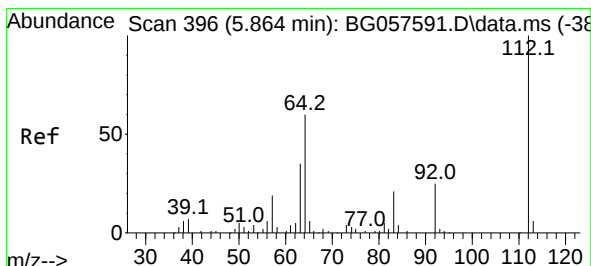
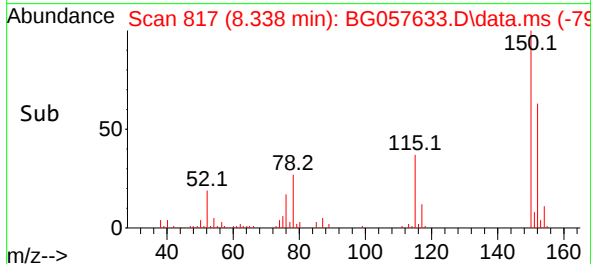
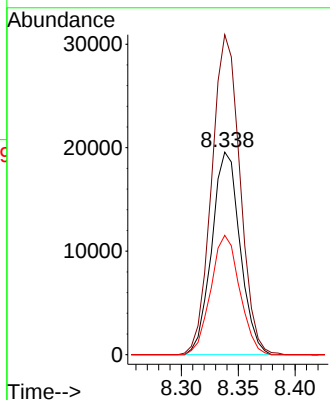
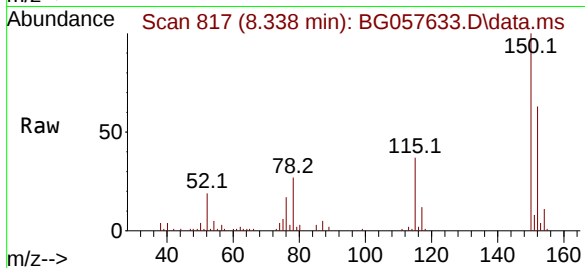




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 819
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

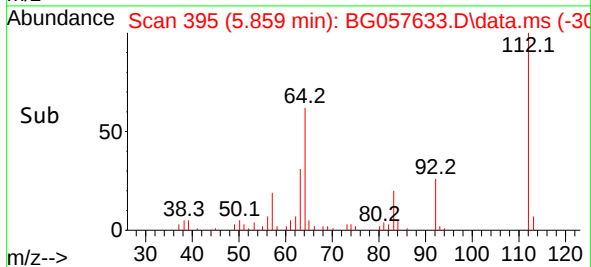
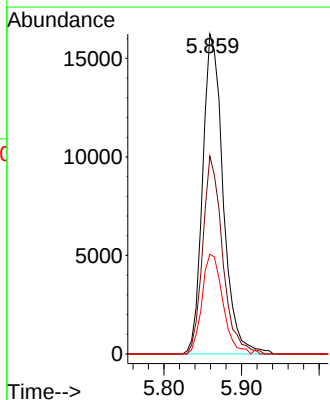
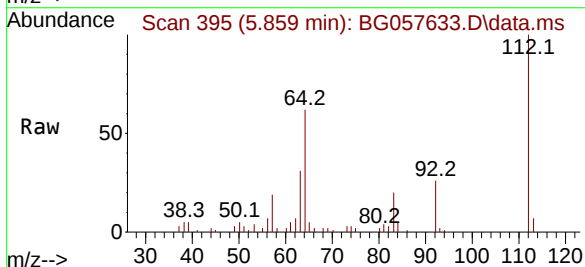
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

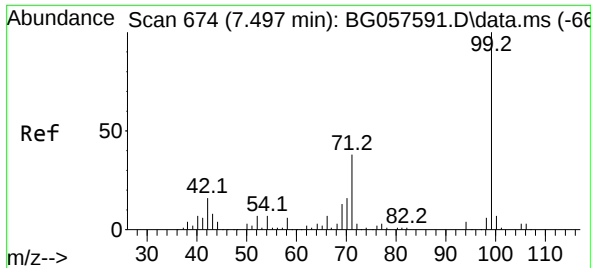
Tgt Ion:152 Resp: 33858
Ion Ratio Lower Upper
152 100
150 158.0 123.0 184.4
115 58.9 47.4 71.2



#5
2-Fluorophenol
Concen: 15.296 ng
RT: 5.859 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:112 Resp: 29811
Ion Ratio Lower Upper
112 100
64 61.8 47.8 71.6
63 31.2 27.8 41.8

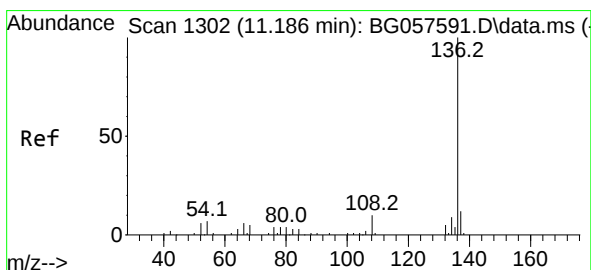
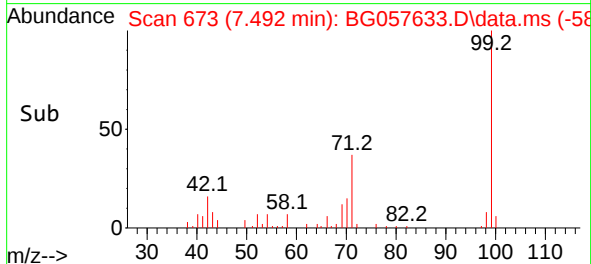
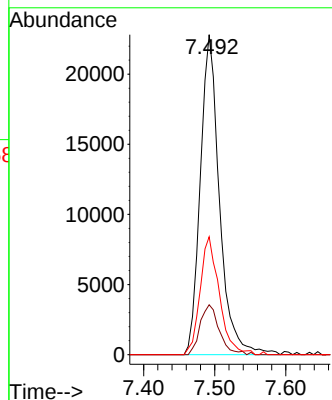
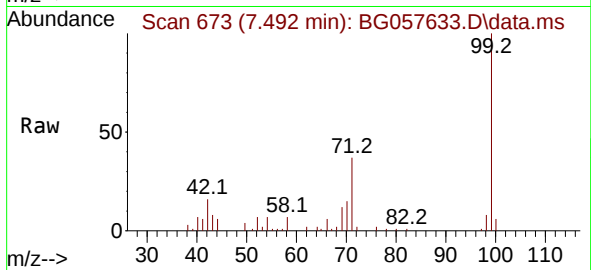




#7
Phenol-d6
Concen: 14.065 ng
RT: 7.492 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

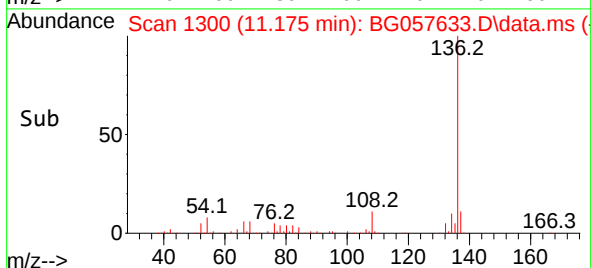
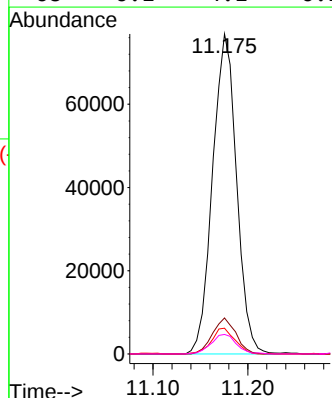
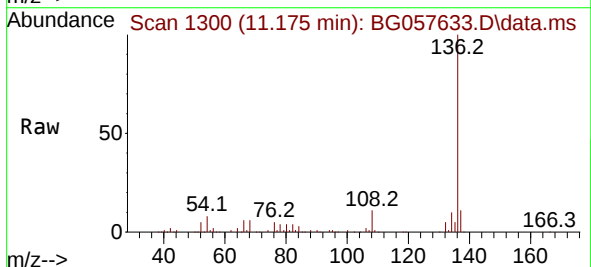
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

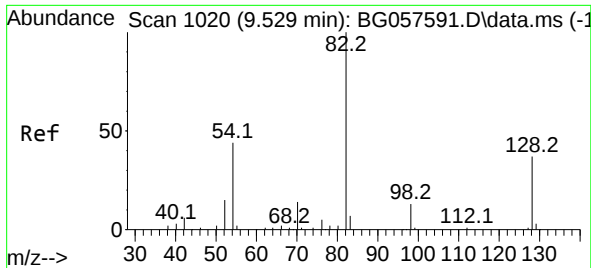
Tgt Ion: 99 Resp: 42898
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 36.9 30.3 45.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:136 Resp: 135161
Ion Ratio Lower Upper
136 100
137 11.2 9.8 14.8
54 8.0 5.8 8.6
68 6.1 4.1 6.1#

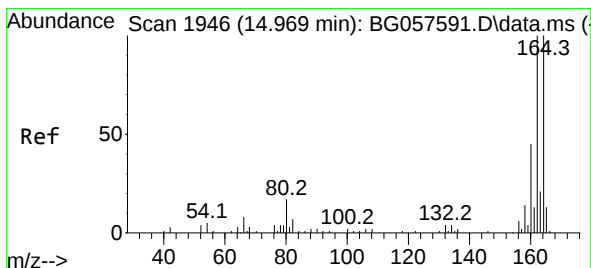
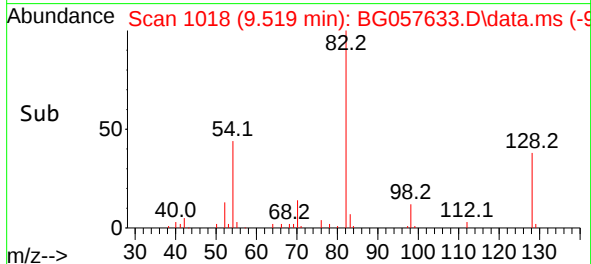
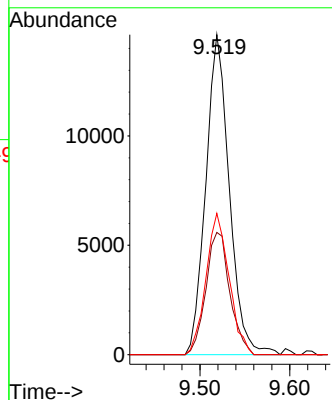
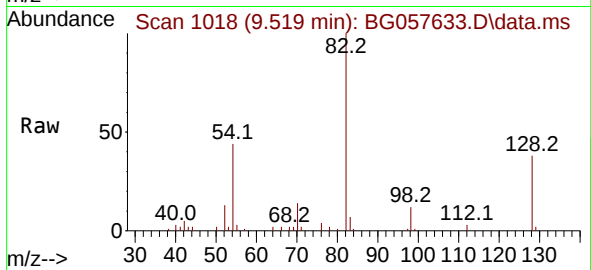




#23
 Nitrobenzene-d5
 Concen: 9.200 ng
 RT: 9.519 min Scan# 1018
 Delta R.T. -0.002 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

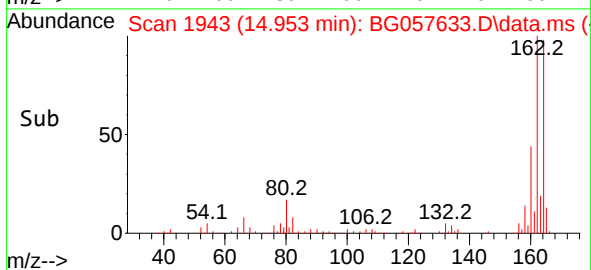
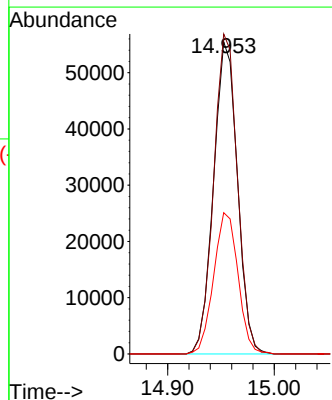
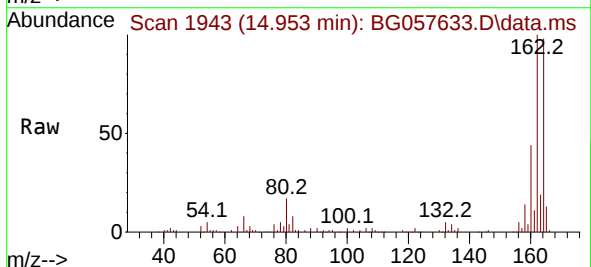
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023

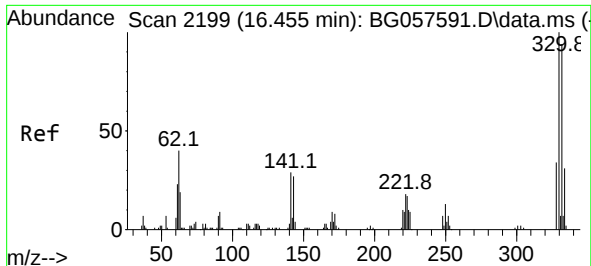
Tgt Ion: 82 Resp: 26601
 Ion Ratio Lower Upper
 82 100
 128 38.2 30.0 45.0
 54 44.2 35.2 52.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.953 min Scan# 1943
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

Tgt Ion:164 Resp: 86128
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.1 120.1
 160 45.2 35.9 53.9

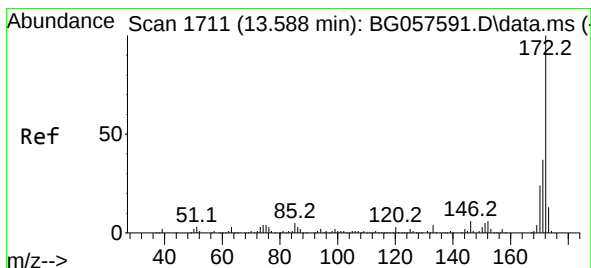
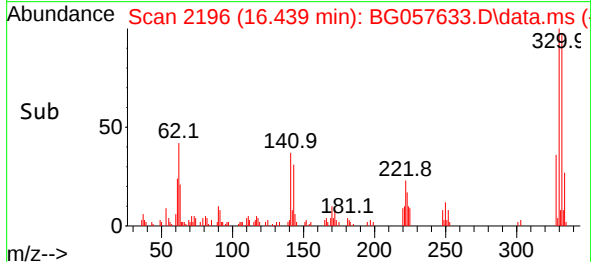
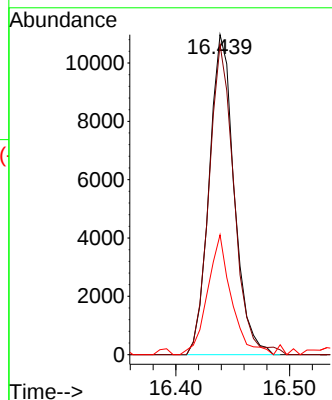
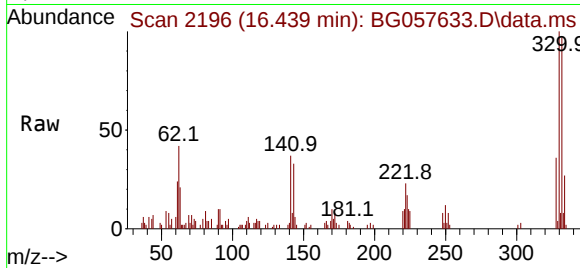




#42
2,4,6-Tribromophenol
Concen: 12.141 ng
RT: 16.439 min Scan# 2196
Delta R.T. -0.007 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

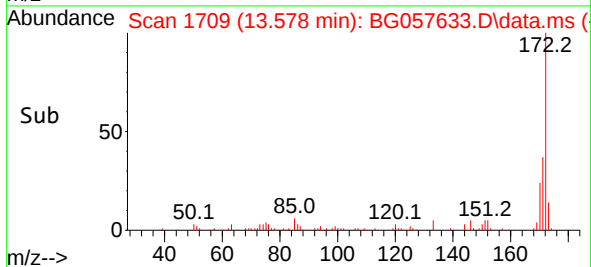
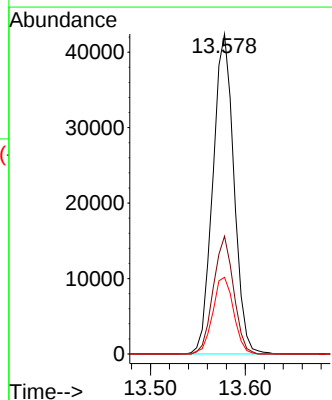
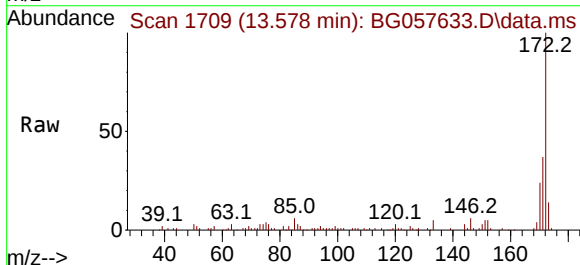
Instrument :
BNA_G
ClientSampleId :
EO-01-05302023

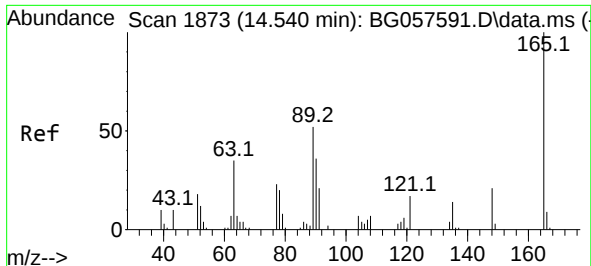
Tgt Ion:330 Resp: 16741
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 35.7 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 10.903 ng
RT: 13.578 min Scan# 1709
Delta R.T. -0.002 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:172 Resp: 65342
Ion Ratio Lower Upper
172 100
171 36.8 29.2 43.8
170 23.9 19.0 28.4

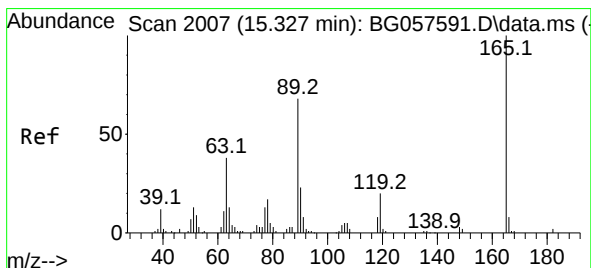
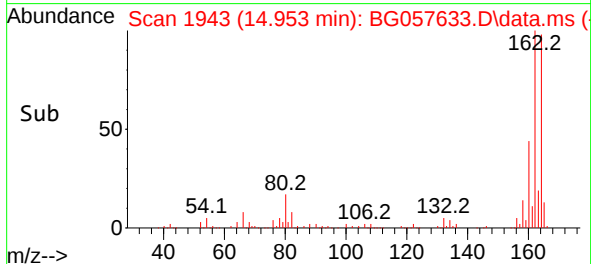
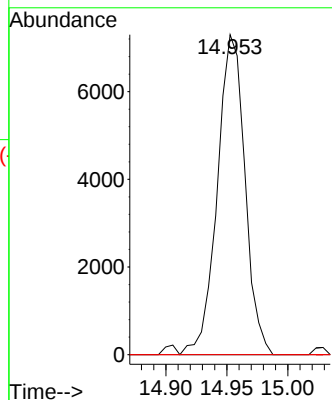
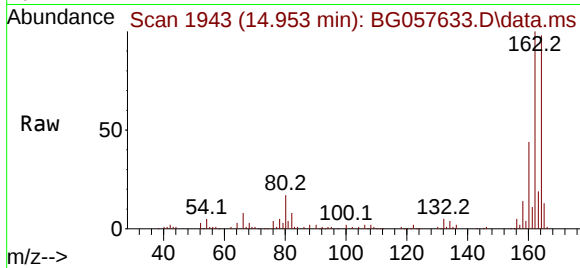




#51
2,6-Dinitrotoluene
Concen: 7.585 ng
RT: 14.953 min Scan# 1943
Delta R.T. 0.421 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

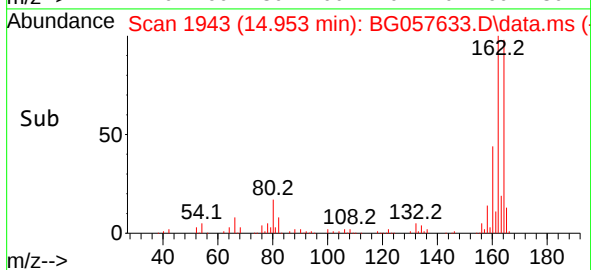
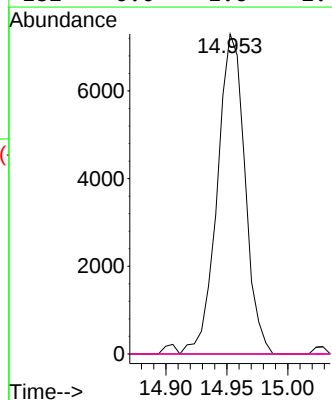
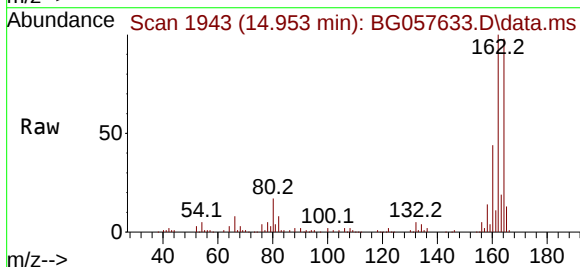
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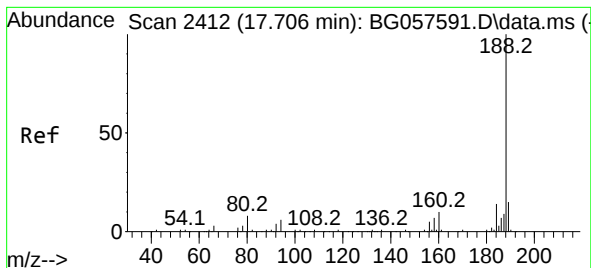
Tgt Ion:165 Resp: 11526
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#



#57
2,4-Dinitrotoluene
Concen: 5.066 ng
RT: 14.953 min Scan# 1943
Delta R.T. -0.372 min
Lab File: BG057633.D
Acq: 31 May 2023 22:53

Tgt Ion:165 Resp: 11526
Ion Ratio Lower Upper
165 100
63 0.0 30.6 45.8#
89 0.0 54.2 81.2#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.696 min Scan# 2410

Delta R.T. -0.002 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Instrument :

BNA_G

ClientSampleId :

EO-01-05302023

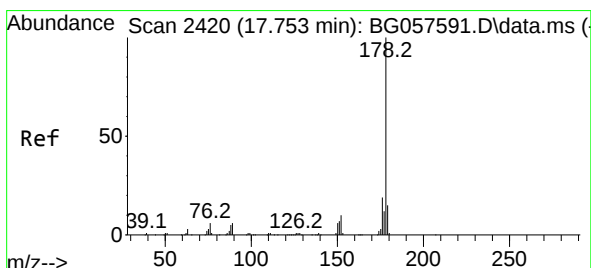
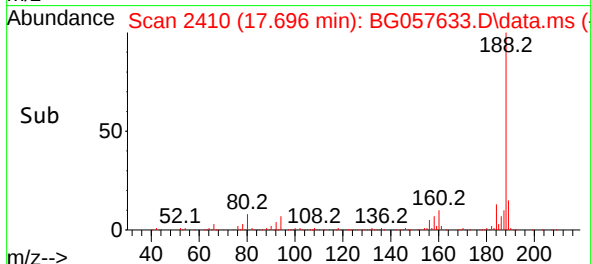
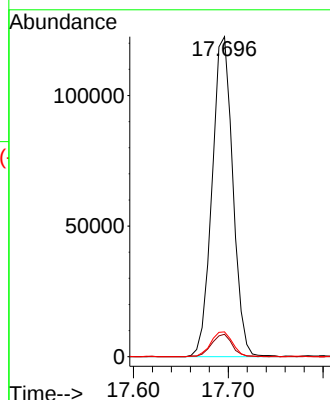
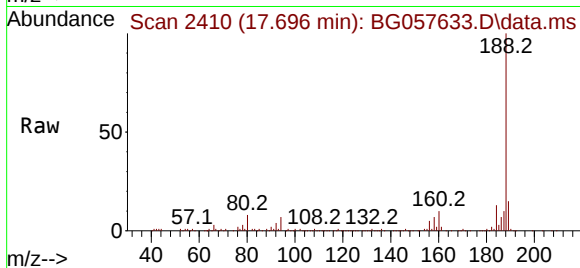
Tgt Ion:188 Resp: 185827

Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

80 7.8 6.7 10.1



#71

Phenanthrene

Concen: 3.558 ng

RT: 17.737 min Scan# 2417

Delta R.T. -0.007 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

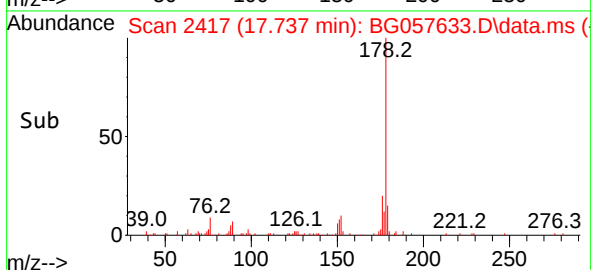
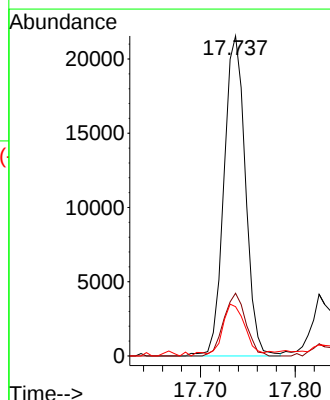
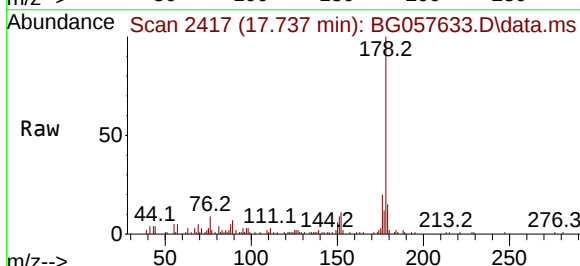
Tgt Ion:178 Resp: 33837

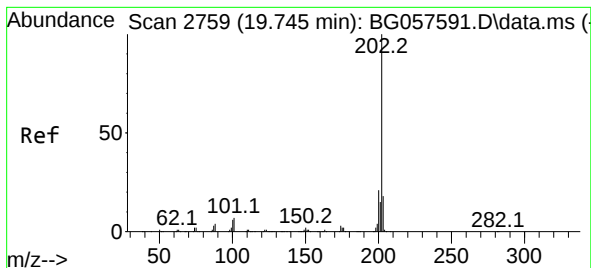
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.4 12.0 18.0





#75

Fluoranthene

Concen: 4.187 ng

RT: 19.729 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

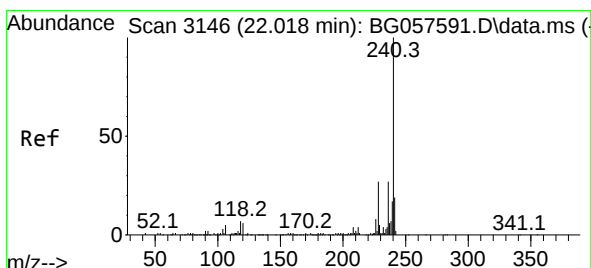
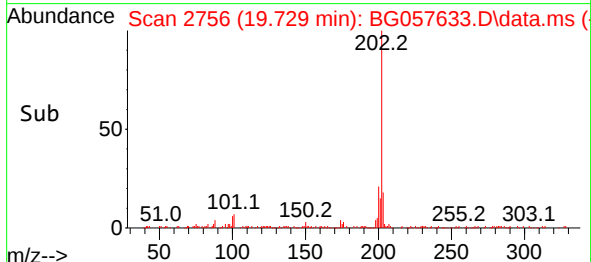
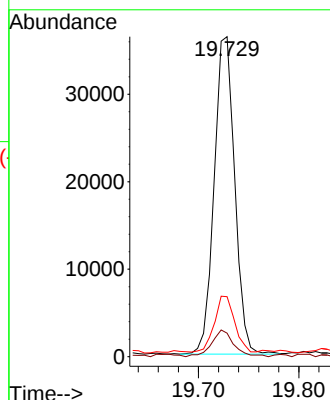
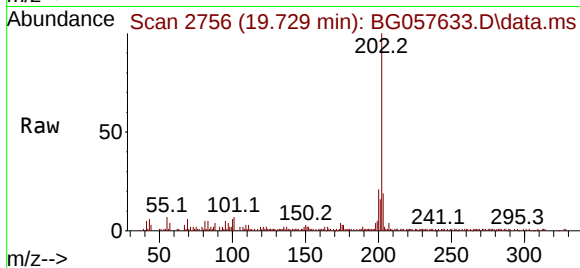
Instrument :

BNA_G

ClientSampleId :

EO-01-05302023

Tgt Ion:	202	Resp:	51694
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	27.5
203	18.7	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

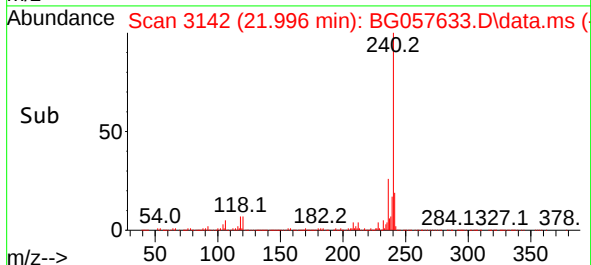
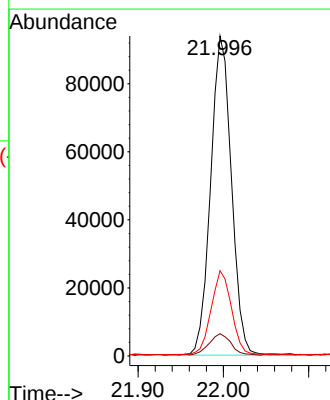
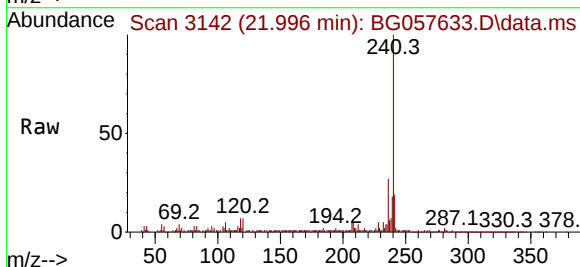
RT: 21.996 min Scan# 3142

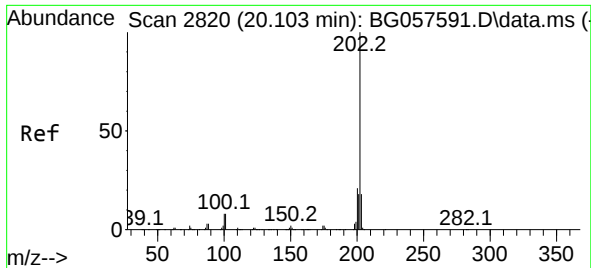
Delta R.T. -0.007 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Tgt Ion:	240	Resp:	158815
Ion Ratio	Lower	Upper	
240	100		
120	7.0	5.2	7.8
236	26.6	21.4	32.0

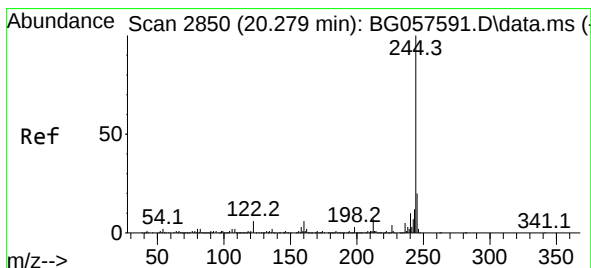
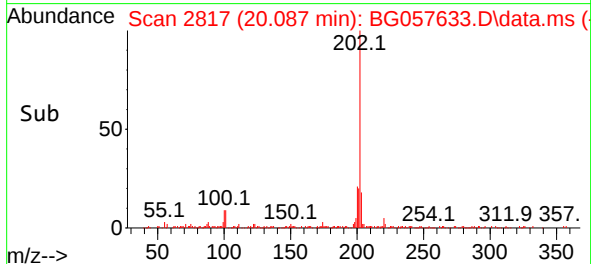
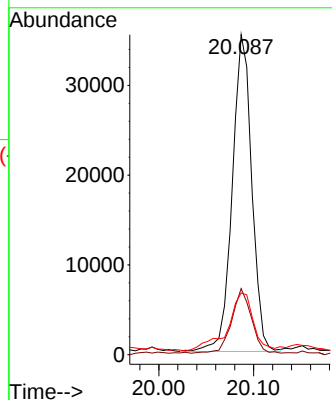
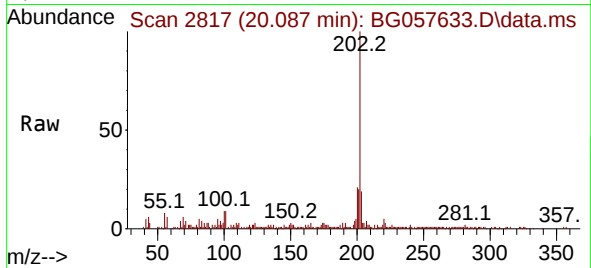




#78
 Pyrene
 Concen: 4.458 ng
 RT: 20.087 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

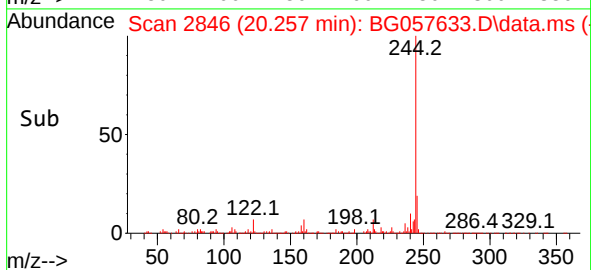
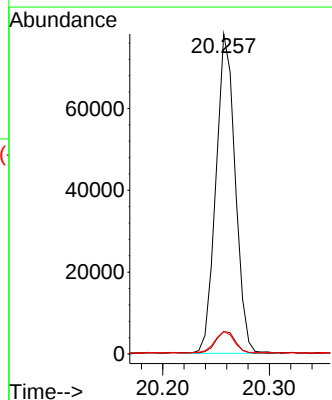
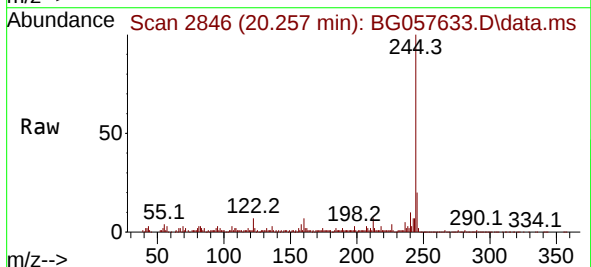
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023

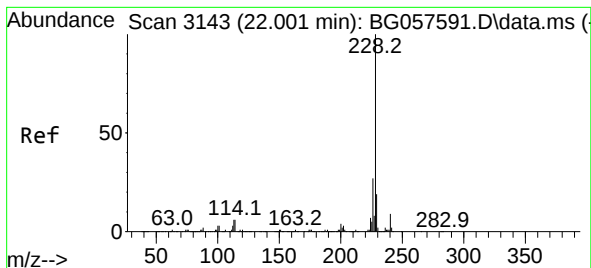
Tgt Ion:202 Resp: 50413
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.8 25.2
 203 19.3 14.5 21.7



#79
 Terphenyl-d14
 Concen: 10.686 ng
 RT: 20.257 min Scan# 2846
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

Tgt Ion:244 Resp: 97971
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 7.0 4.8 7.2





#81

Benzo(a)anthracene

Concen: 2.299 ng

RT: 21.978 min Scan# 3139

Delta R.T. -0.002 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Instrument :

BNA_G

ClientSampleId :

EO-01-05302023

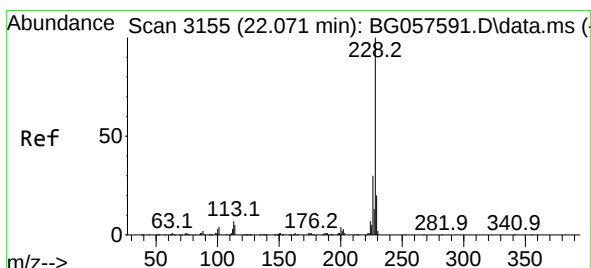
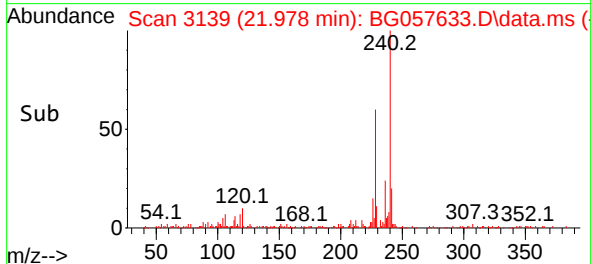
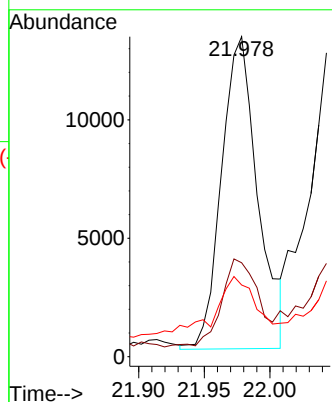
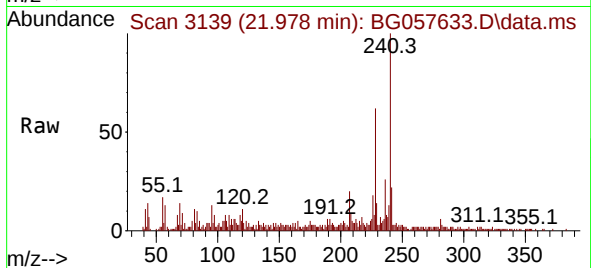
Tgt Ion:228 Resp: 25329

Ion Ratio Lower Upper

228 100

226 29.4 21.4 32.0

229 22.4 15.4 23.2



#83

Chrysene

Concen: 2.433 ng

RT: 21.978 min Scan# 3139

Delta R.T. -0.078 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

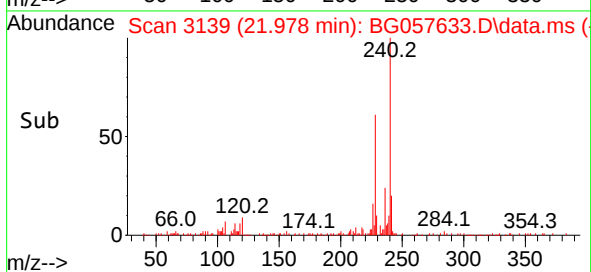
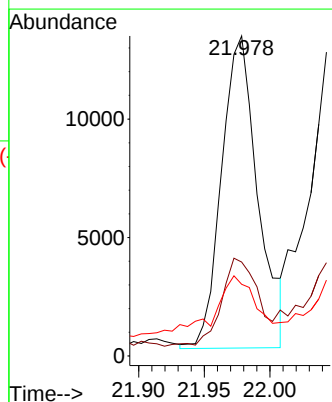
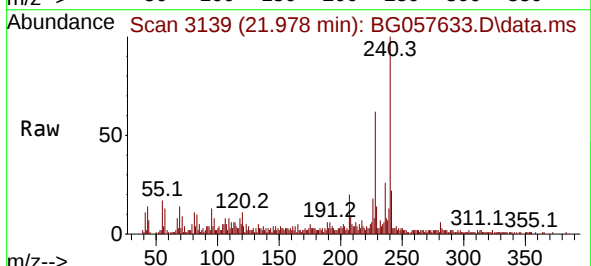
Tgt Ion:228 Resp: 25329

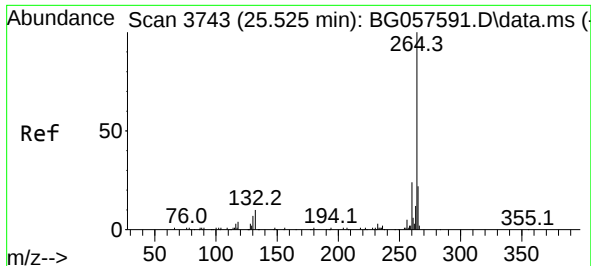
Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 22.4 16.0 24.0

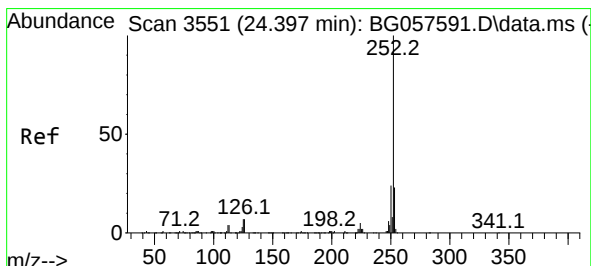
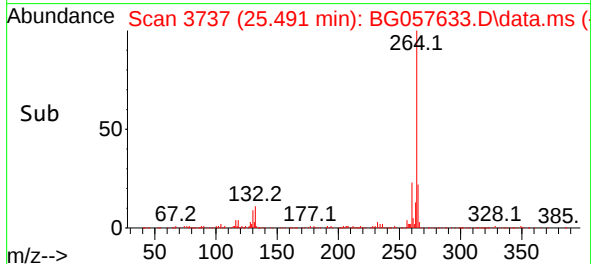
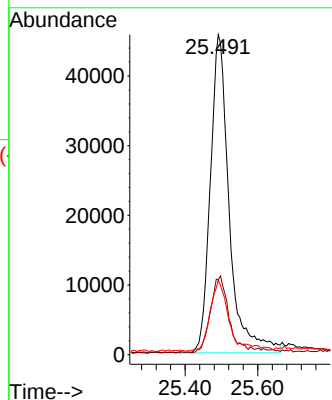
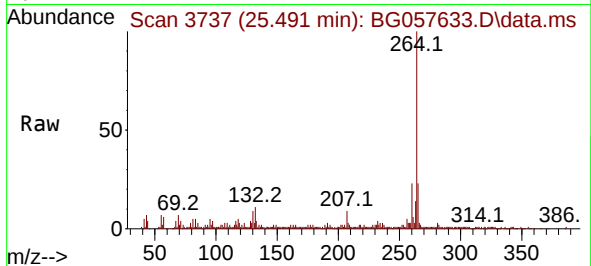




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.491 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

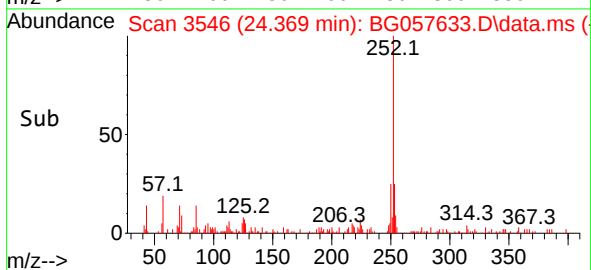
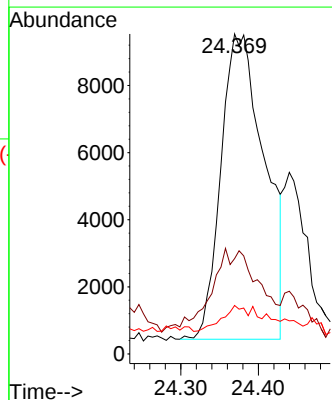
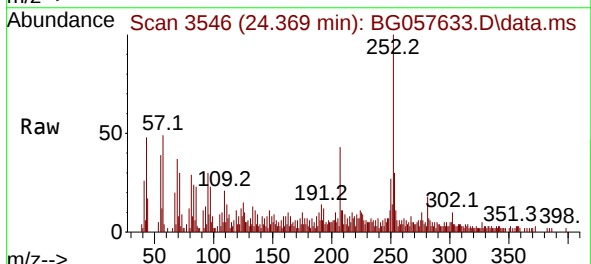
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-05302023

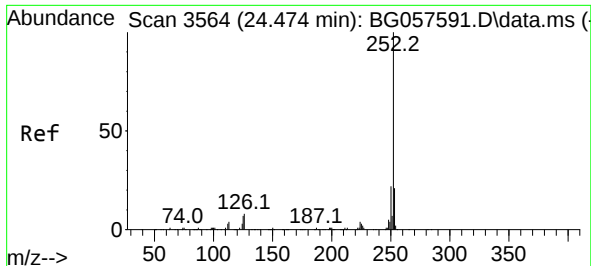
Tgt Ion:264 Resp: 165201
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 23.4 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 3.492 ng
 RT: 24.369 min Scan# 3546
 Delta R.T. -0.007 min
 Lab File: BG057633.D
 Acq: 31 May 2023 22:53

Tgt Ion:252 Resp: 35505
 Ion Ratio Lower Upper
 252 100
 253 29.8 18.4 27.6#
 125 15.2 5.2 7.8#





#89

Benzo(k)fluoranthene

Concen: 3.460 ng

RT: 24.369 min Scan# 31

Delta R.T. -0.078 min

Lab File: BG057633.D

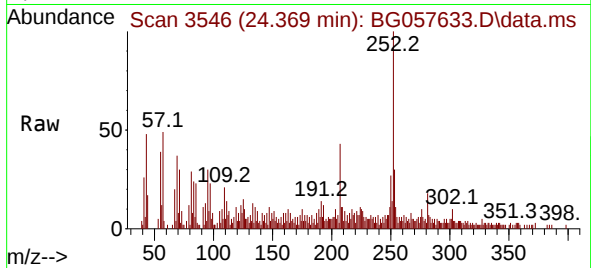
Acq: 31 May 2023 22:53

Instrument :

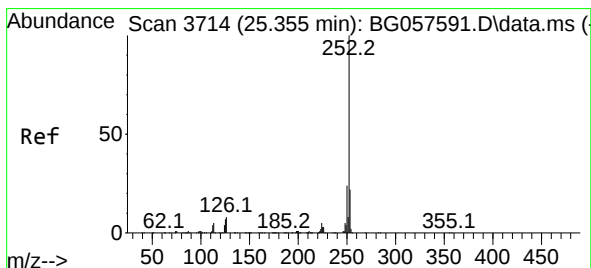
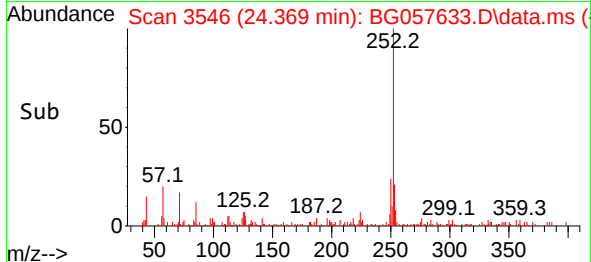
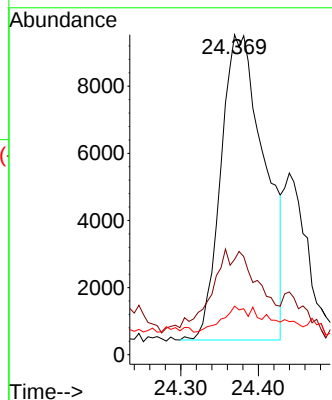
BNA_G

ClientSampleId :

EO-01-05302023



Tgt Ion:	252	Resp:	35505
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.0	25.6#
125	15.2	5.1	7.7#



#90

Benzo(a)pyrene

Concen: 2.227 ng

RT: 25.321 min Scan# 3708

Delta R.T. -0.007 min

Lab File: BG057633.D

Acq: 31 May 2023 22:53

Tgt Ion:	252	Resp:	22083
Ion Ratio	Lower	Upper	
252	100		
253	31.8	17.7	26.5#
125	16.4	5.3	7.9#

