

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057782.D
 Acq On : 20 Jun 2023 19:01
 Operator : CG/JU
 Sample : 03255-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-34

Quant Time: Jun 21 01:05:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

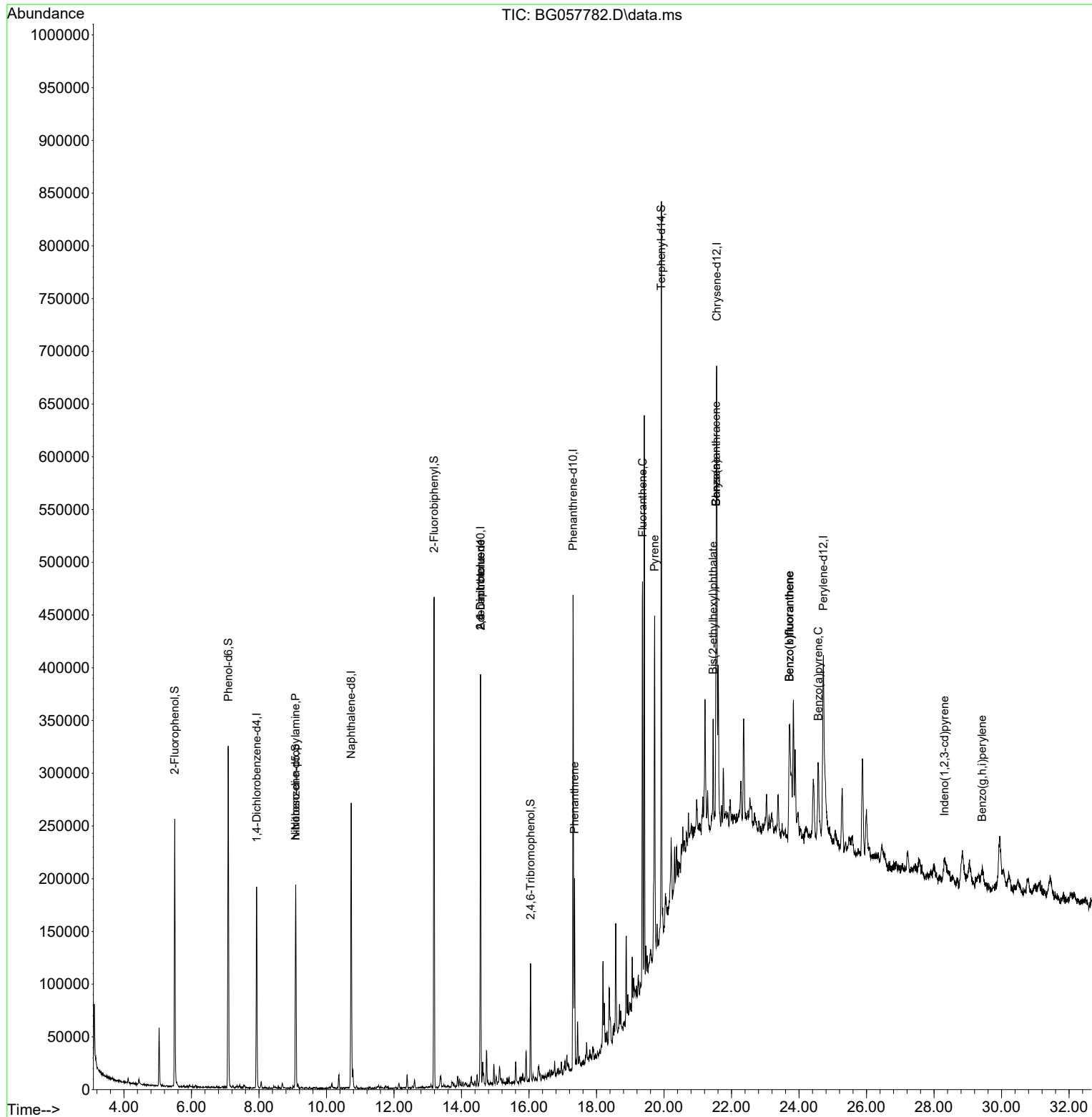
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	52321	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	212138	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	130622	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	278158	20.000	ng	0.00
76) Chrysene-d12	21.561	240	215953	20.000	ng	0.00
86) Perylene-d12	24.722	264	228315	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	108674	32.026	ng	0.00
7) Phenol-d6	7.089	99	187043	36.125	ng	0.00
23) Nitrobenzene-d5	9.087	82	113207	27.389	ng	0.00
42) 2,4,6-Tribromophenol	16.049	330	20768	11.414	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	252348	29.302	ng	0.00
79) Terphenyl-d14	19.921	244	340324	29.386	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	14727	4.080	ng	# 76
51) 2,6-Dinitrotoluene	14.563	165	17694	9.577	ng	# 19
57) 2,4-Dinitrotoluene	14.563	165	17694	7.063	ng	# 19
71) Phenanthrene	17.348	178	106960	7.942	ng	97
75) Fluoranthene	19.363	202	227806	14.199	ng	98
78) Pyrene	19.722	202	210105	13.639	ng	99
81) Benzo(a)anthracene	21.543	228	117335	7.919	ng	95
83) Chrysene	21.543	228	117335	8.252	ng	96
84) Bis(2-ethylhexyl)phtha...	21.455	149	37772	4.439	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.311	276	41934	2.809	ng	# 74
88) Benzo(b)fluoranthene	23.717	252	144680	11.564	ng	# 94
89) Benzo(k)fluoranthene	23.717	252	144680	11.354	ng	# 96
90) Benzo(a)pyrene	24.569	252	95035	7.734	ng	# 91
92) Benzo(g,h,i)perylene	29.428	276	38307	3.089	ng	# 88

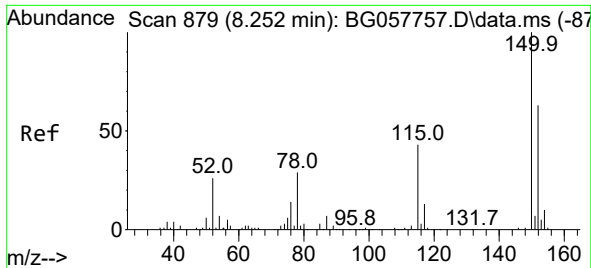
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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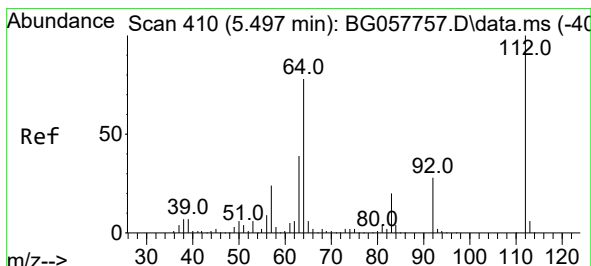
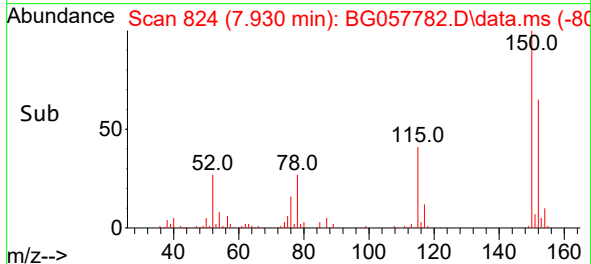
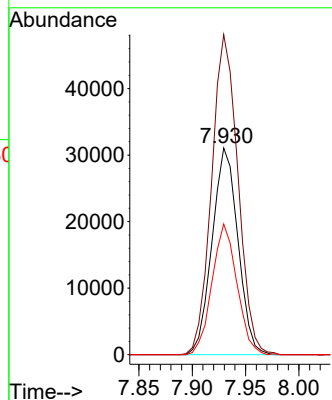
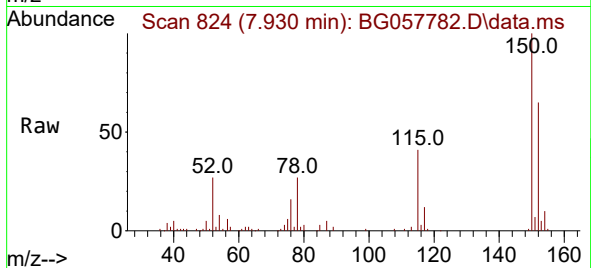




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

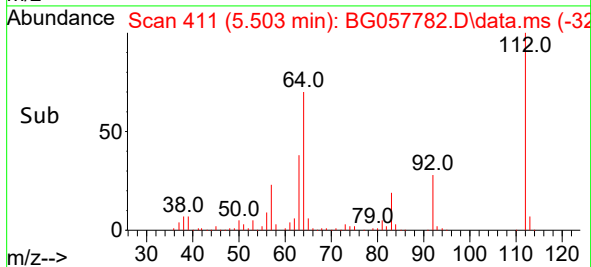
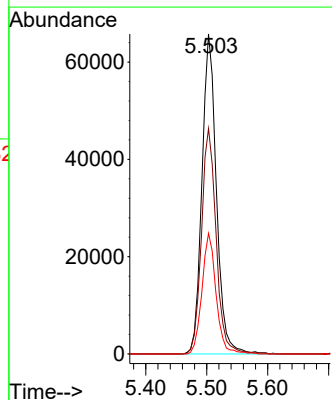
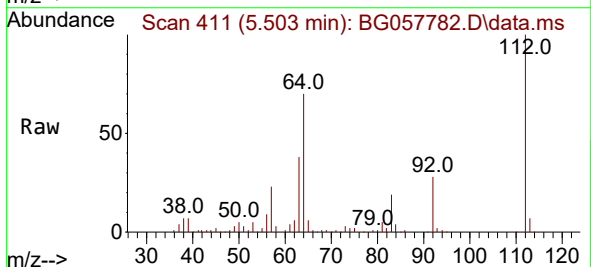
Instrument :
BNA_G
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COMPOSIT-SB-34

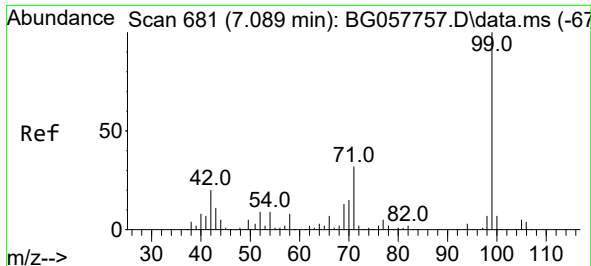
Tgt Ion:152 Resp: 52321
Ion Ratio Lower Upper
152 100
150 154.7 126.6 189.8
115 63.2 48.9 73.3



#5
2-Fluorophenol
Concen: 32.026 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion:112 Resp: 108674
Ion Ratio Lower Upper
112 100
64 70.4 62.1 93.1
63 37.7 31.5 47.3

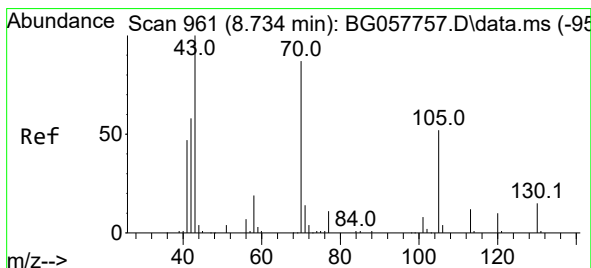
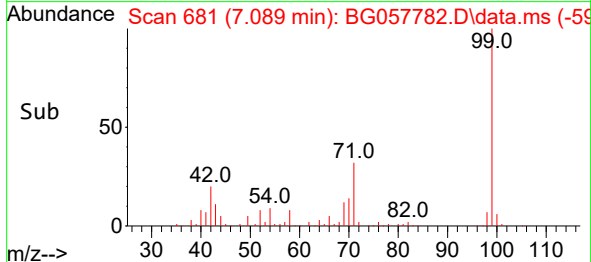
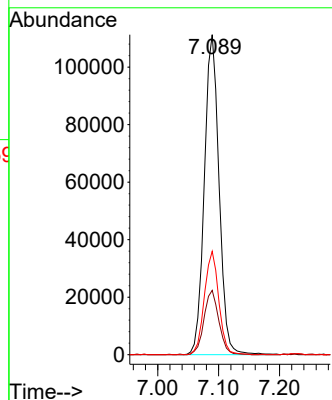
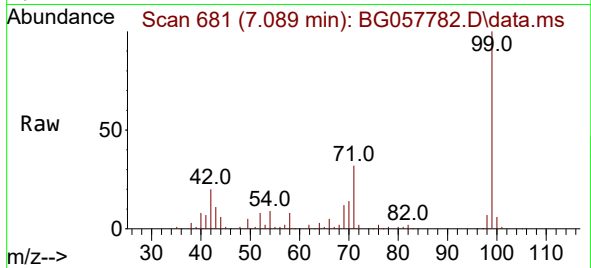




#7
Phenol-d6
Concen: 36.125 ng
RT: 7.089 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

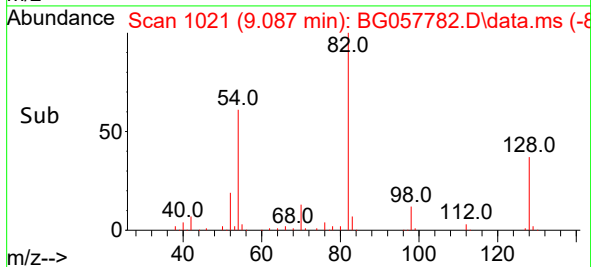
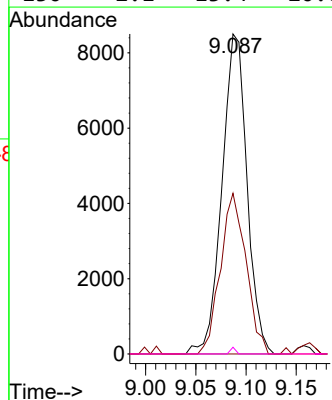
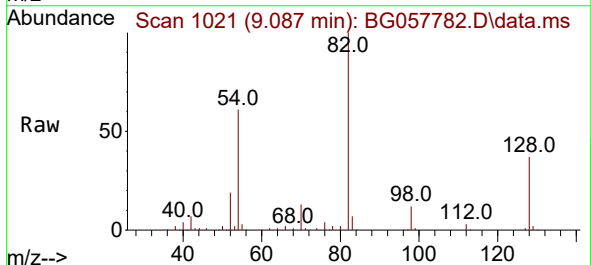
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-34

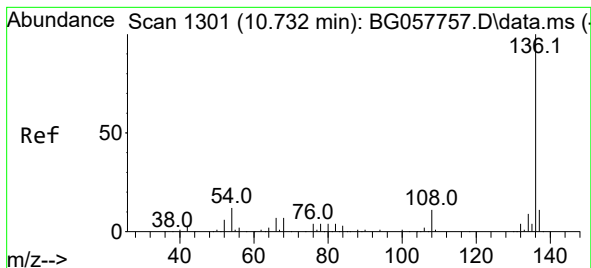
Tgt Ion: 99 Resp: 187043
Ion Ratio Lower Upper
99 100
42 20.1 16.4 24.6
71 32.3 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.080 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion: 70 Resp: 14727
Ion Ratio Lower Upper
70 100
42 50.2 54.2 81.2#
101 0.0 7.4 11.0#
130 2.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.732 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34

Tgt Ion:136 Resp: 212138

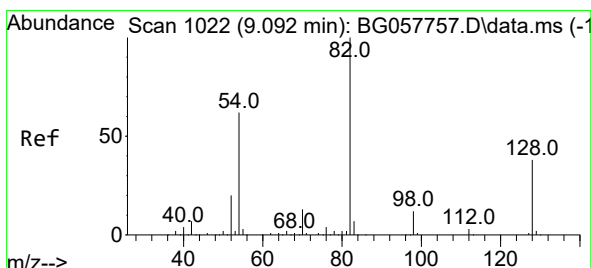
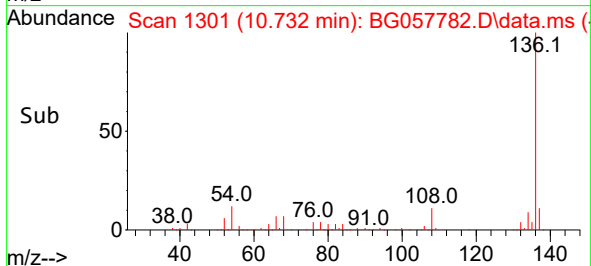
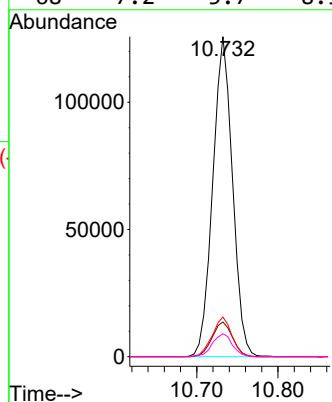
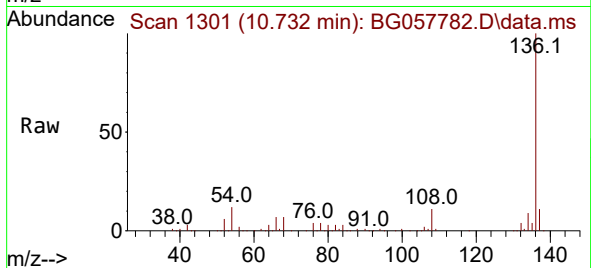
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 12.4 9.5 14.3

68 7.2 5.7 8.5



#23

Nitrobenzene-d5

Concen: 27.389 ng

RT: 9.087 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

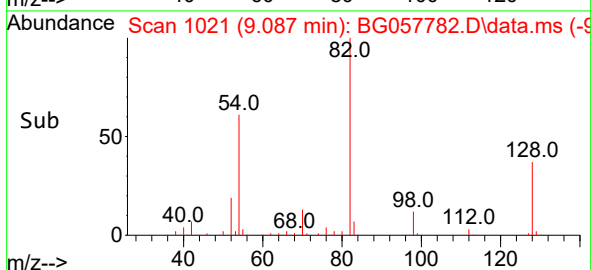
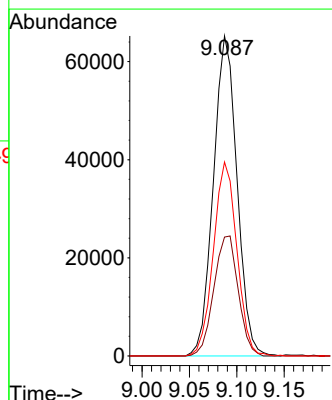
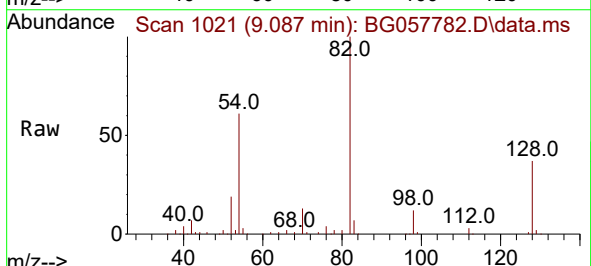
Tgt Ion: 82 Resp: 113207

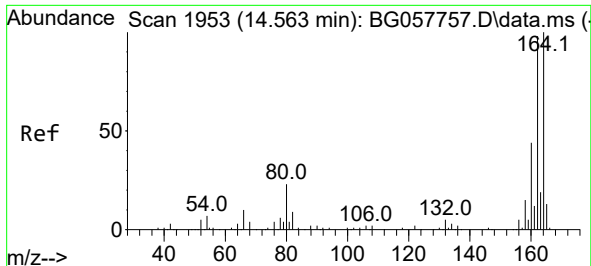
Ion Ratio Lower Upper

82 100

128 37.1 30.7 46.1

54 60.6 49.6 74.4

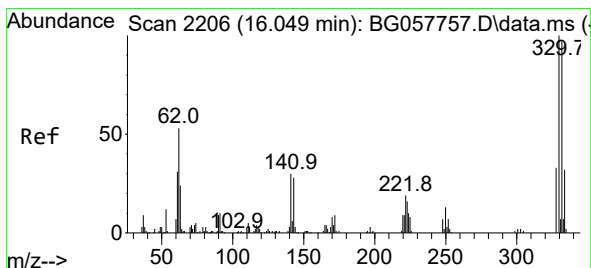
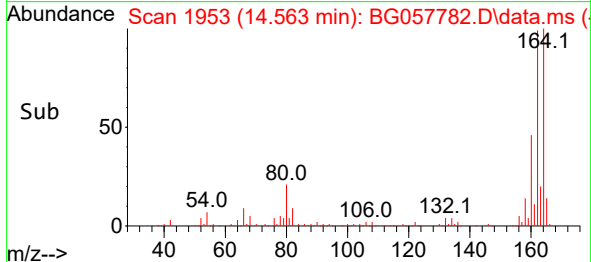
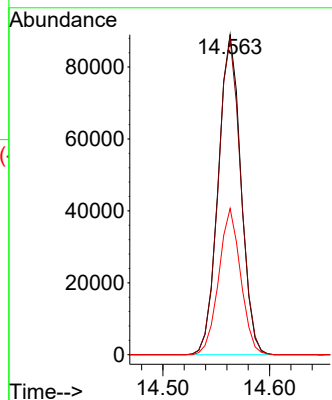
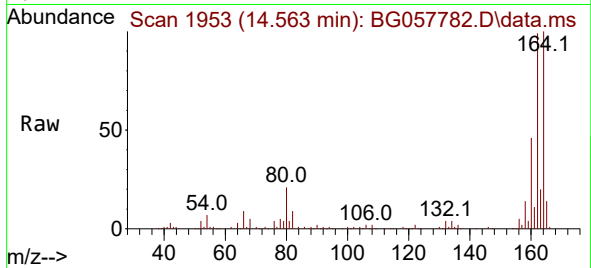




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

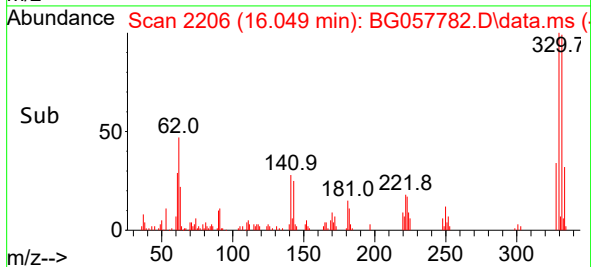
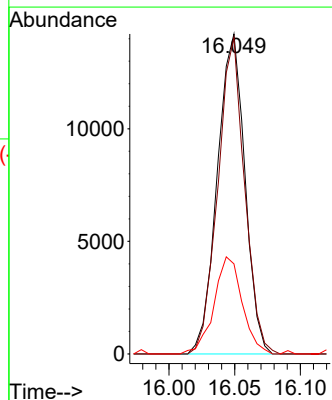
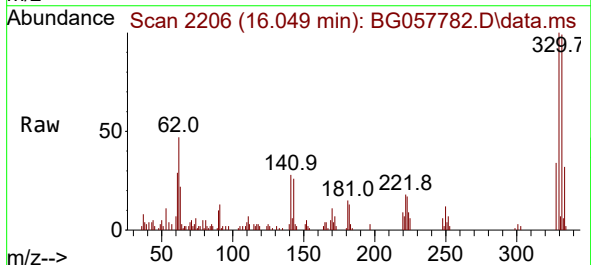
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COMPOSIT-SB-34

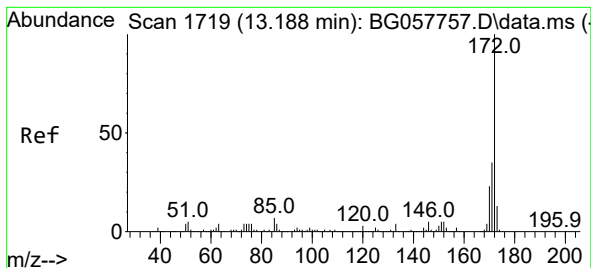
Tgt Ion:164 Resp: 130622
Ion Ratio Lower Upper
164 100
162 98.8 78.3 117.5
160 45.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 11.414 ng
RT: 16.049 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion:330 Resp: 20768
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 31.1 24.7 37.1

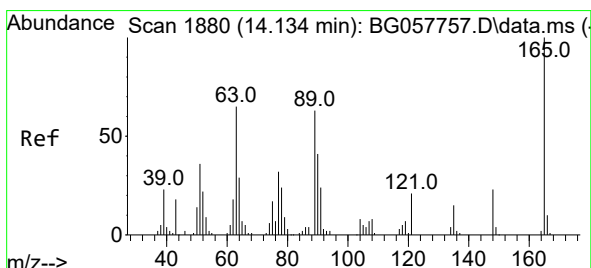
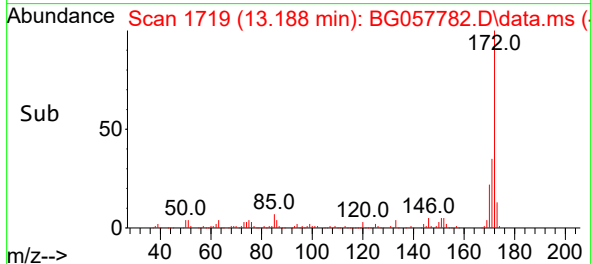
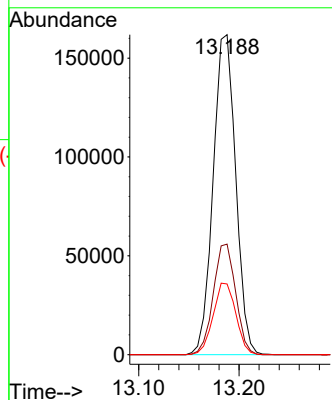
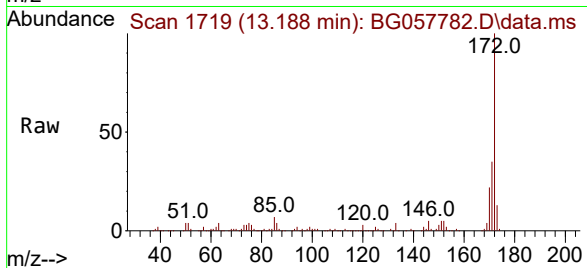




#45
2-Fluorobiphenyl
Concen: 29.302 ng
RT: 13.188 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

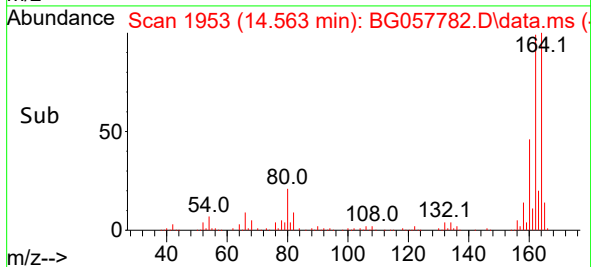
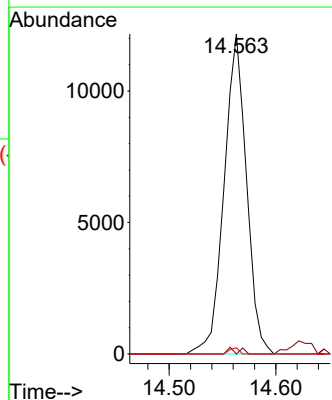
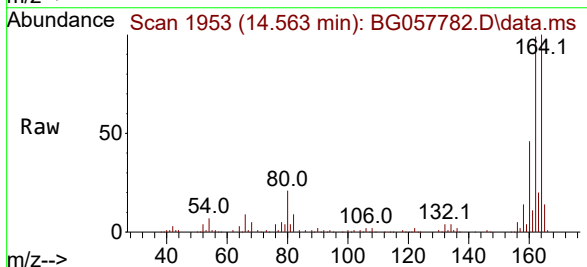
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ClientSampleId :
COMPOSIT-SB-34

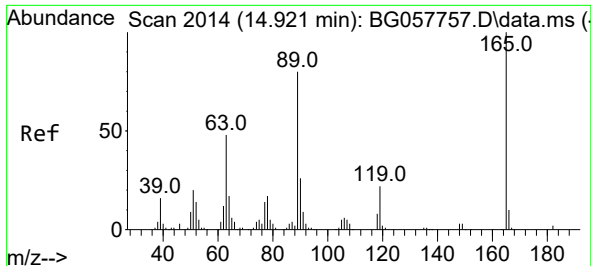
Tgt Ion:172 Resp: 252348
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.1 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.577 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.429 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion:165 Resp: 17694
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.9 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 7.063 ng

RT: 14.563 min Scan# 1953

Delta R.T. -0.358 min

Lab File: BG057782.D

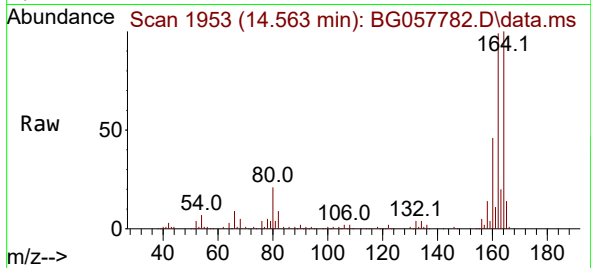
Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34



Tgt Ion:165 Resp: 17694

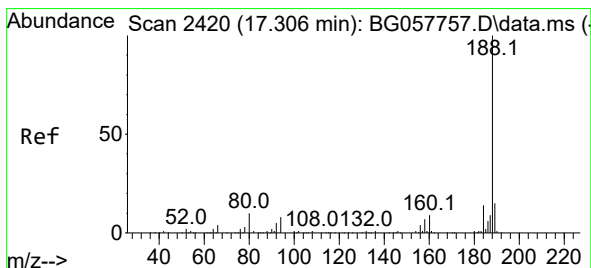
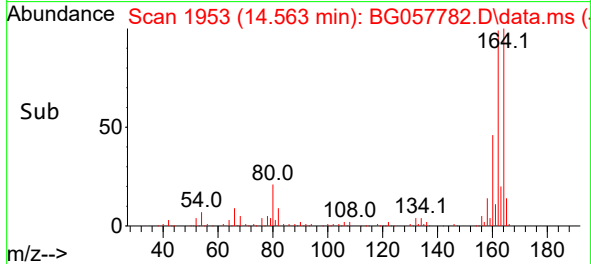
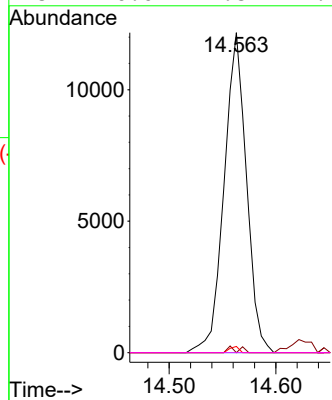
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.9 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

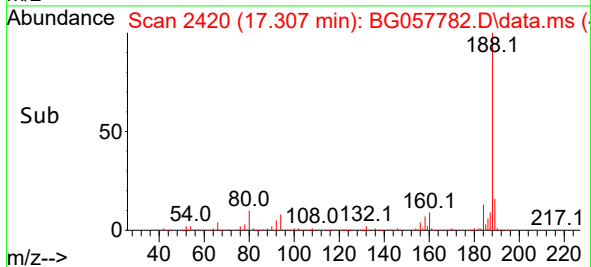
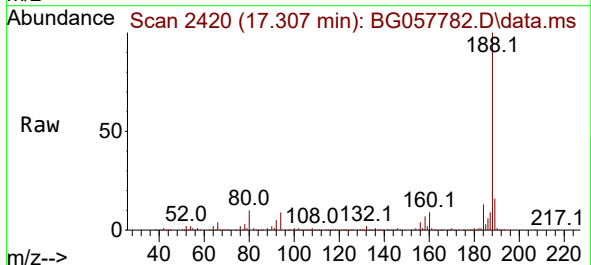
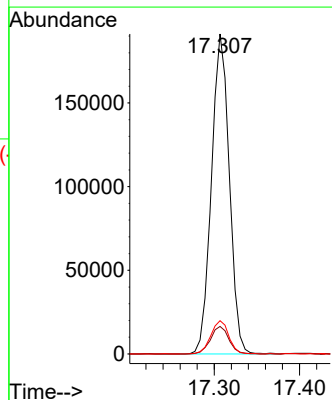
Tgt Ion:188 Resp: 278158

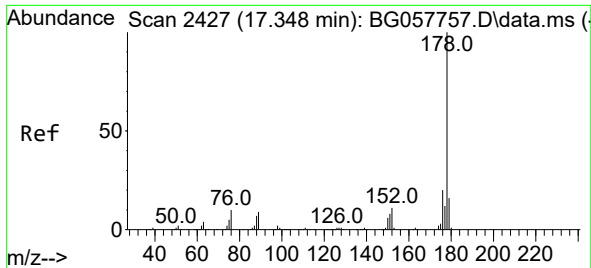
Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 10.4 7.6 11.4

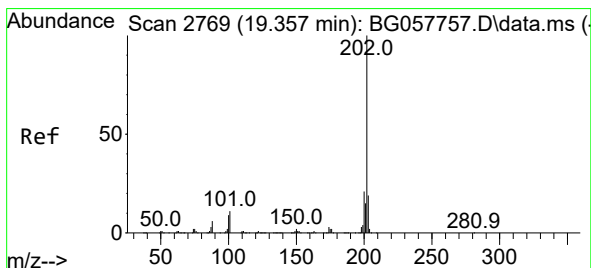
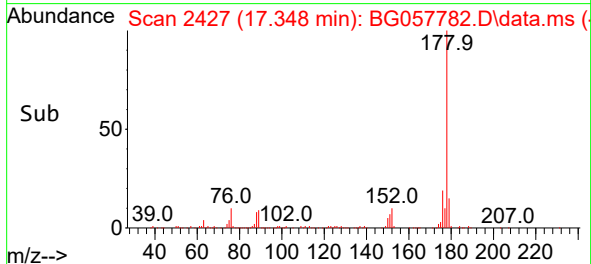
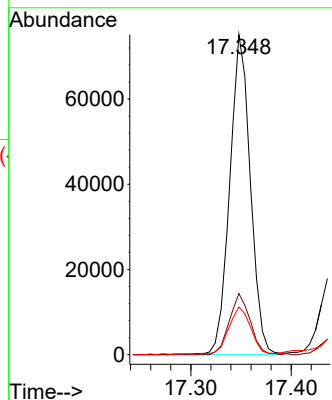
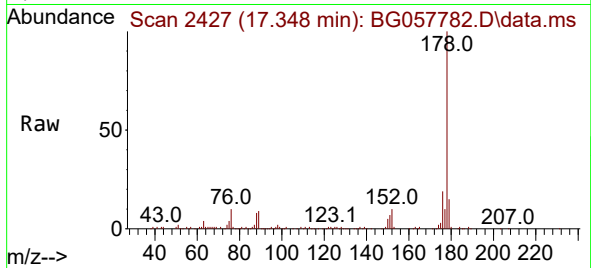




#71
Phenanthrene
Concen: 7.942 ng
RT: 17.348 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

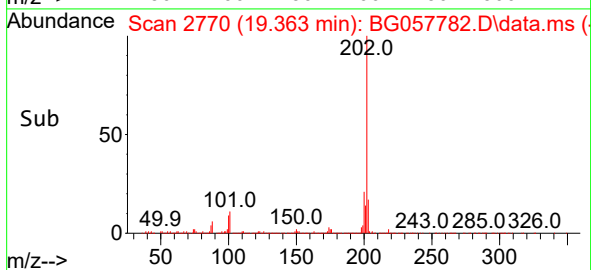
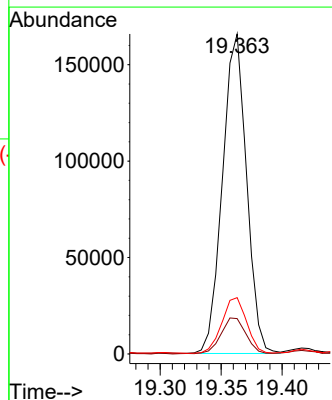
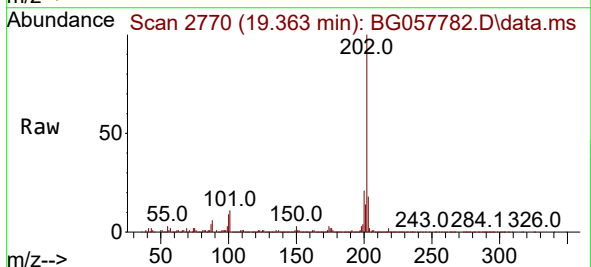
Instrument :
BNA_G
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COMPOSIT-SB-34

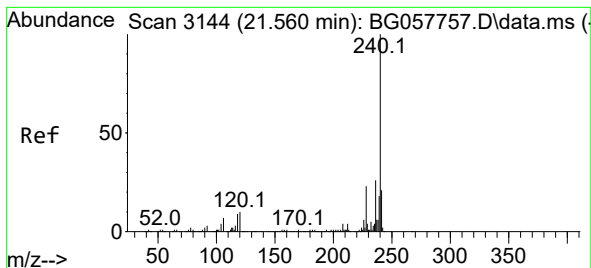
Tgt Ion:178 Resp: 106960
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 14.9 13.0 19.6



#75
Fluoranthene
Concen: 14.199 ng
RT: 19.363 min Scan# 2770
Delta R.T. 0.006 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion:202 Resp: 227806
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 17.6 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.561 min Scan# 3144

Delta R.T. 0.000 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34

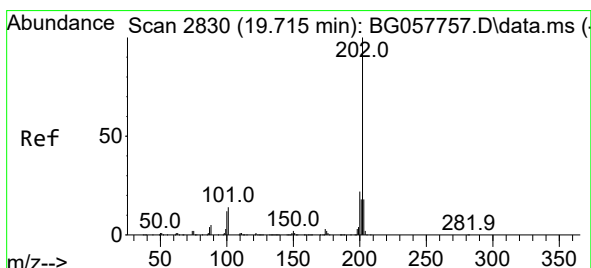
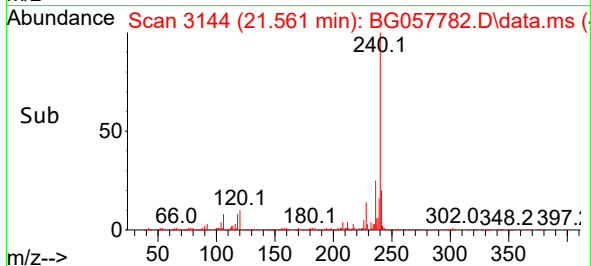
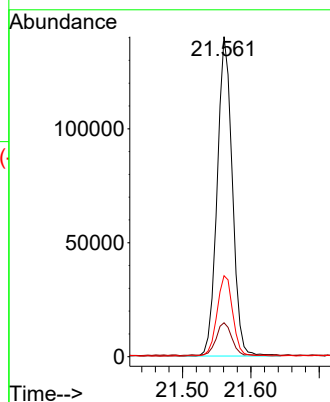
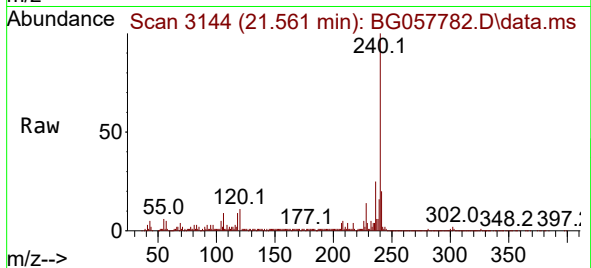
Tgt Ion:240 Resp: 215953

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

236 25.3 20.6 30.8



#78

Pyrene

Concen: 13.639 ng

RT: 19.722 min Scan# 2831

Delta R.T. 0.006 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

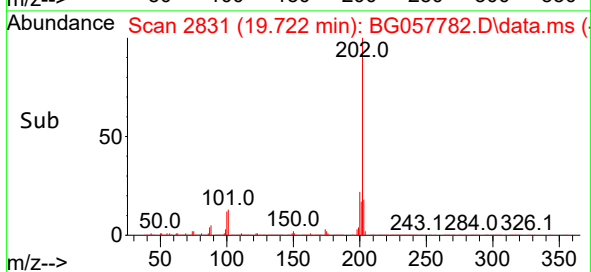
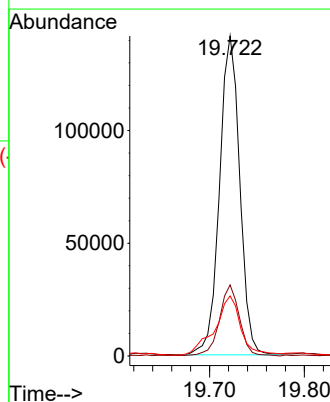
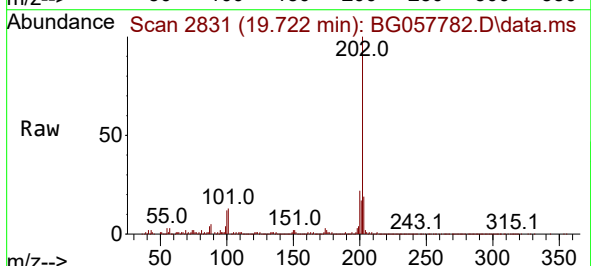
Tgt Ion:202 Resp: 210105

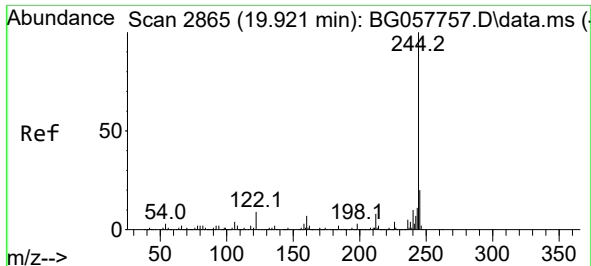
Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.0

203 18.8 14.6 22.0

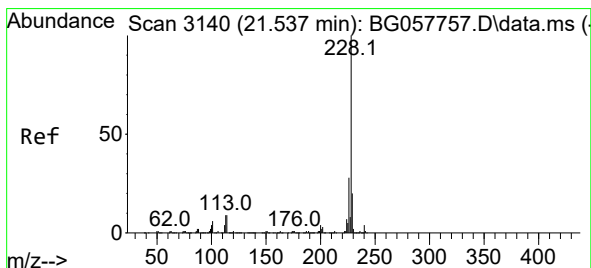
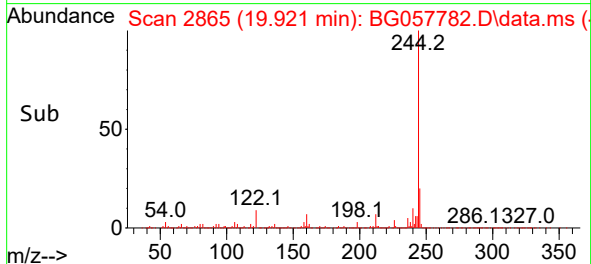
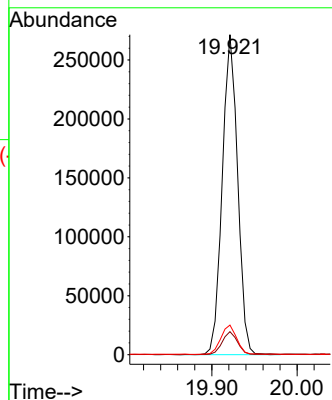
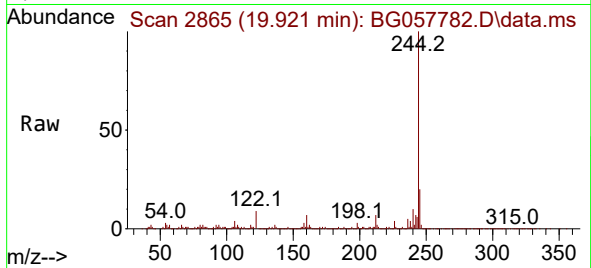




#79
 Terphenyl-d14
 Concen: 29.386 ng
 RT: 19.921 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG057782.D
 Acq: 20 Jun 2023 19:01

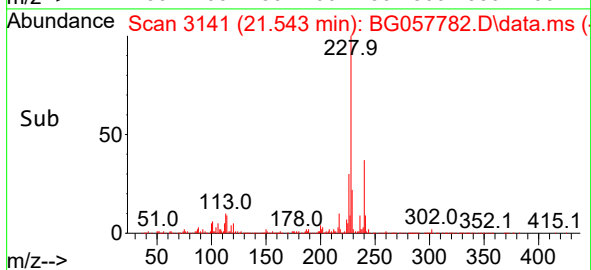
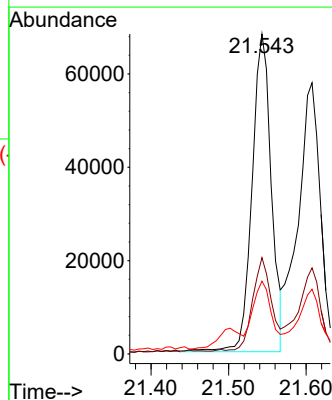
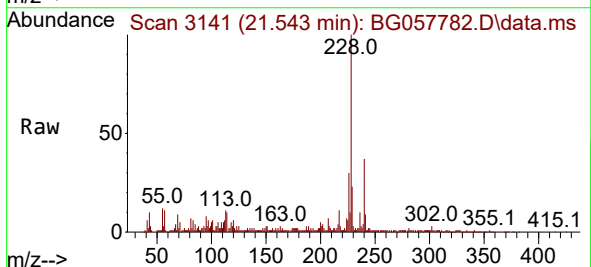
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-SB-34

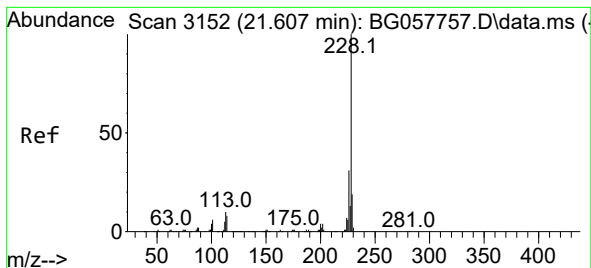
Tgt Ion:244 Resp: 340324
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 9.2 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 7.919 ng
 RT: 21.543 min Scan# 3141
 Delta R.T. 0.006 min
 Lab File: BG057782.D
 Acq: 20 Jun 2023 19:01

Tgt Ion:228 Resp: 117335
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.3 33.5
 229 22.7 16.3 24.5





#83

Chrysene

Concen: 8.252 ng

RT: 21.543 min Scan# 31

Delta R.T. -0.064 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34

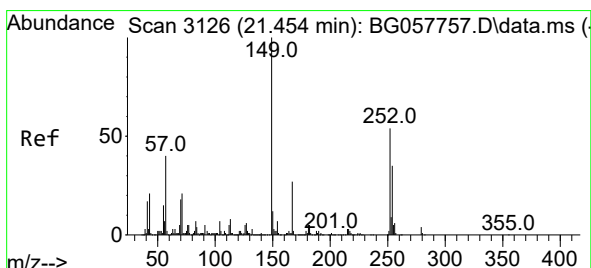
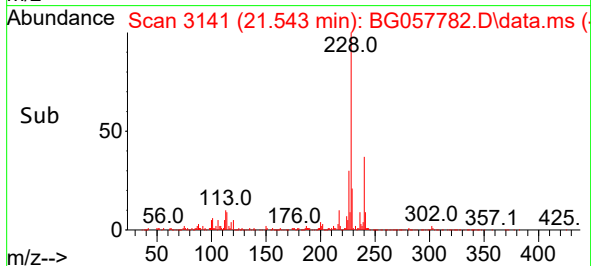
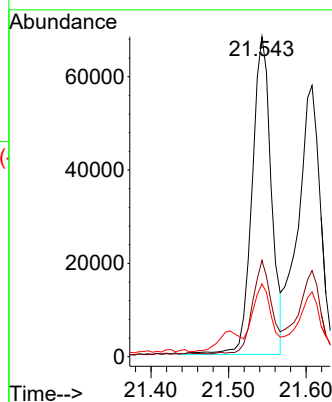
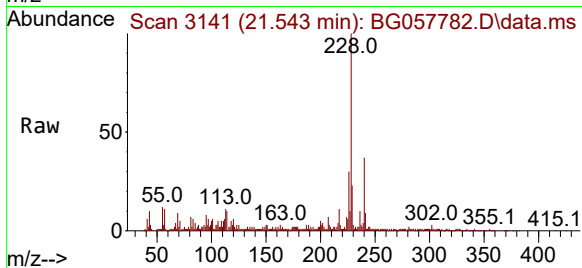
Tgt Ion:228 Resp: 117335

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

229 22.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.439 ng

RT: 21.455 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

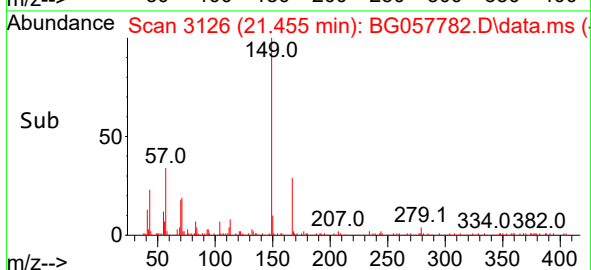
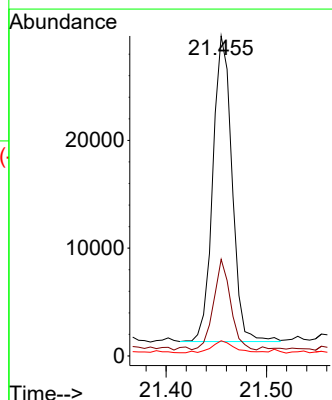
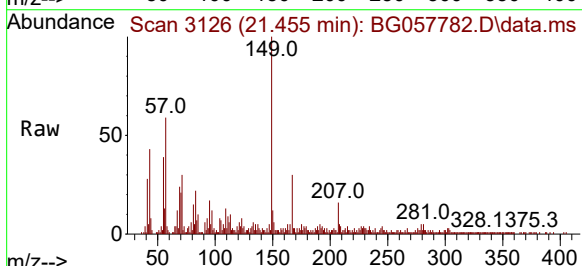
Tgt Ion:149 Resp: 37772

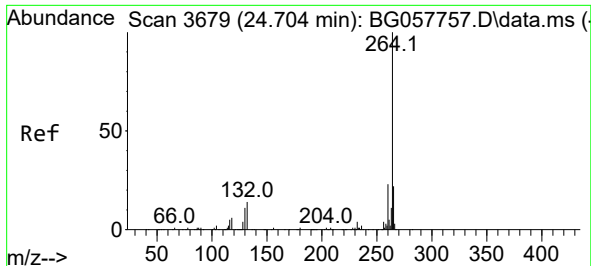
Ion Ratio Lower Upper

149 100

167 30.2 21.8 32.8

279 4.7 2.9 4.3#

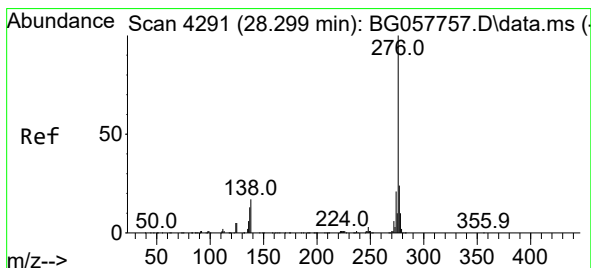
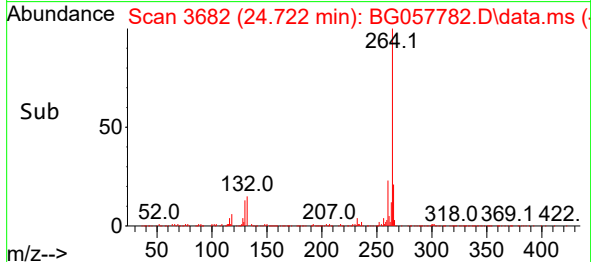
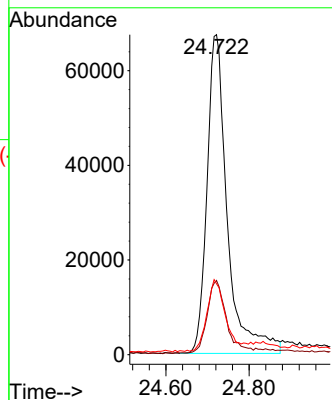
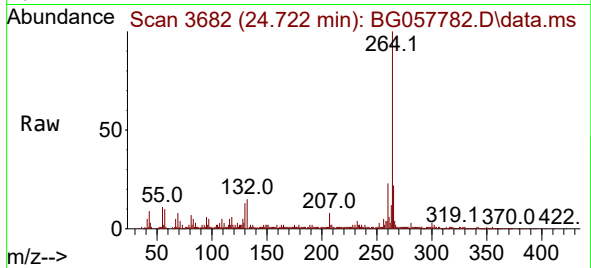




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.722 min Scan# 30
Delta R.T. 0.018 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

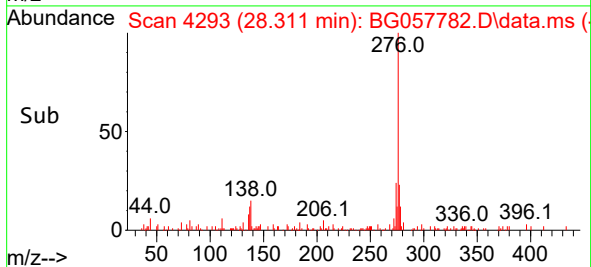
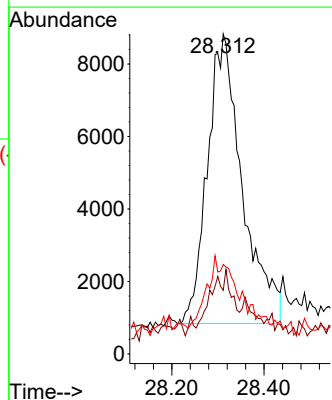
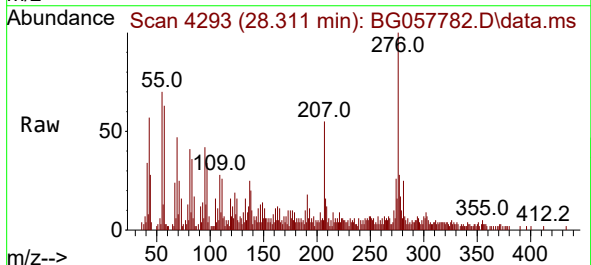
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-SB-34

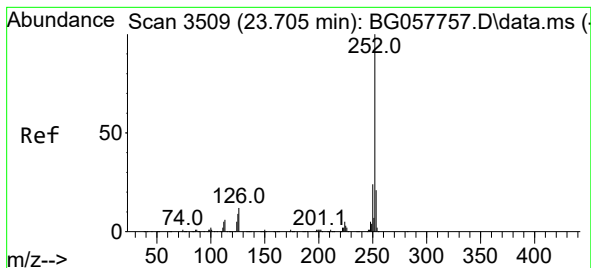
Tgt Ion:264 Resp: 228315
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.2 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.809 ng
RT: 28.311 min Scan# 4293
Delta R.T. 0.012 min
Lab File: BG057782.D
Acq: 20 Jun 2023 19:01

Tgt Ion:276 Resp: 41934
Ion Ratio Lower Upper
276 100
138 7.0 11.3 16.9#
277 9.7 20.4 30.6#





#88

Benzo(b)fluoranthene

Concen: 11.564 ng

RT: 23.717 min Scan# 3511

Delta R.T. 0.012 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34

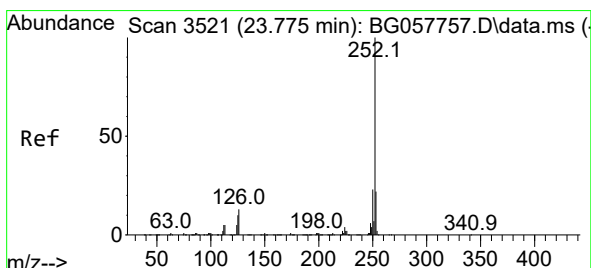
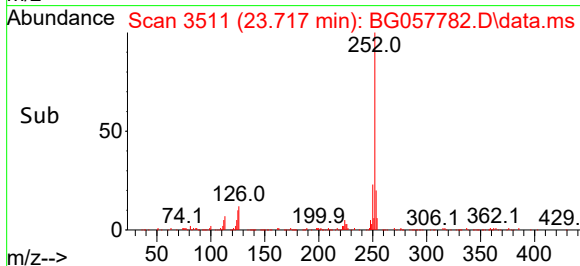
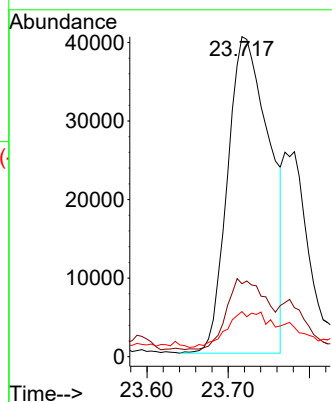
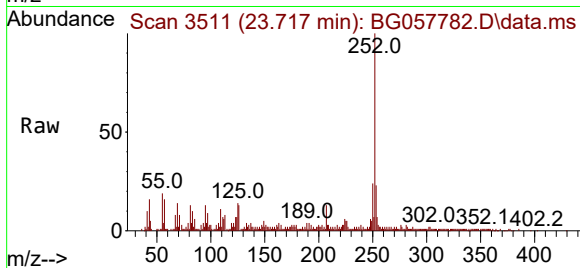
Tgt Ion:252 Resp: 144680

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 14.1 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 11.354 ng

RT: 23.717 min Scan# 3511

Delta R.T. -0.058 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

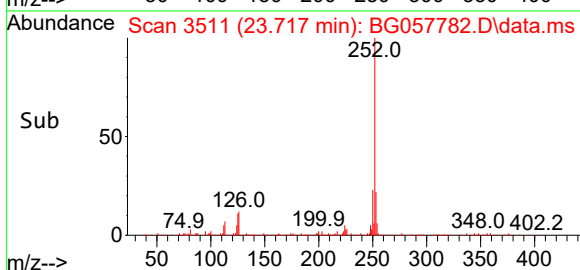
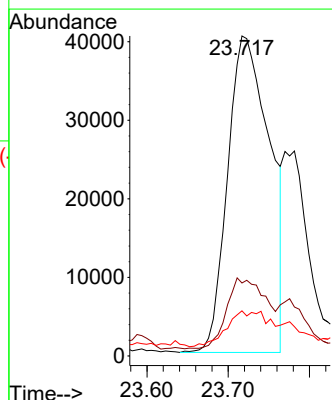
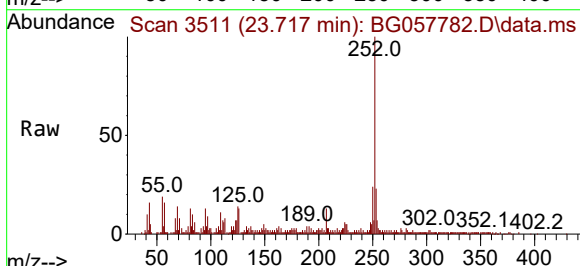
Tgt Ion:252 Resp: 144680

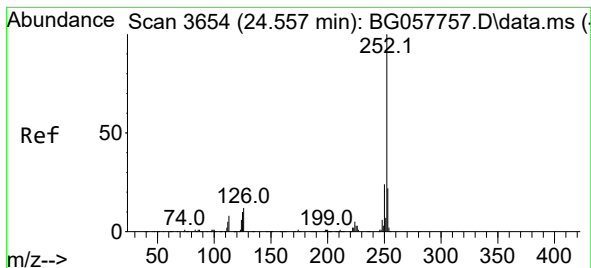
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 14.1 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 7.734 ng

RT: 24.569 min Scan# 3

Delta R.T. 0.012 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-SB-34

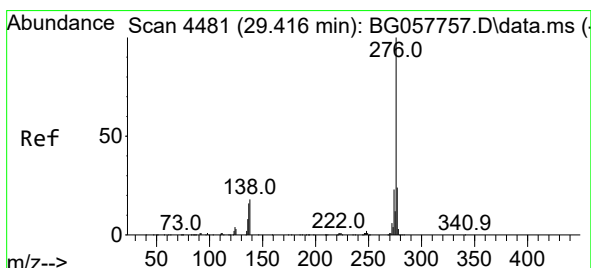
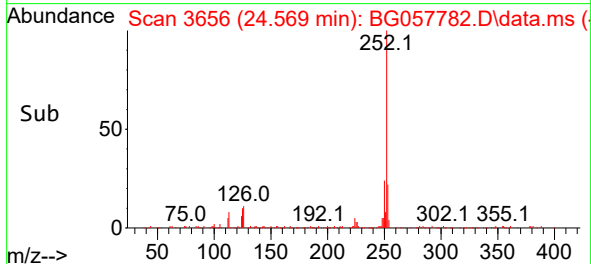
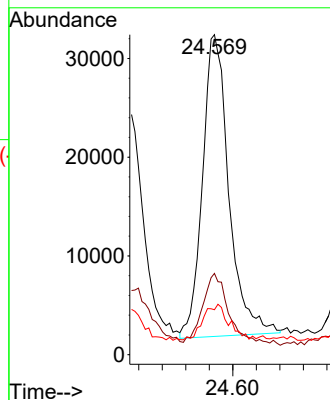
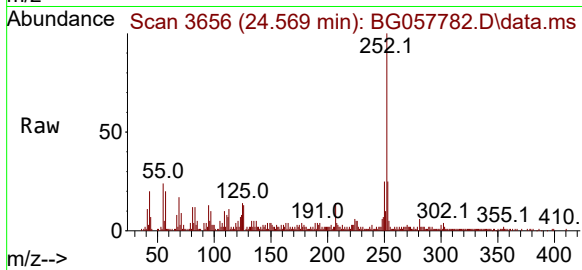
Tgt Ion:252 Resp: 95035

Ion Ratio Lower Upper

252 100

253 25.4 17.4 26.2

125 14.1 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.089 ng

RT: 29.428 min Scan# 4483

Delta R.T. 0.012 min

Lab File: BG057782.D

Acq: 20 Jun 2023 19:01

Tgt Ion:276 Resp: 38307

Ion Ratio Lower Upper

276 100

277 27.0 19.4 29.0

138 27.0 14.2 21.4#

