

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057961.D
 Acq On : 3 Jul 2023 19:05
 Operator : CG/JU
 Sample : 03246-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 04 00:55:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 07:50:15 2023
 Response via : Initial Calibration

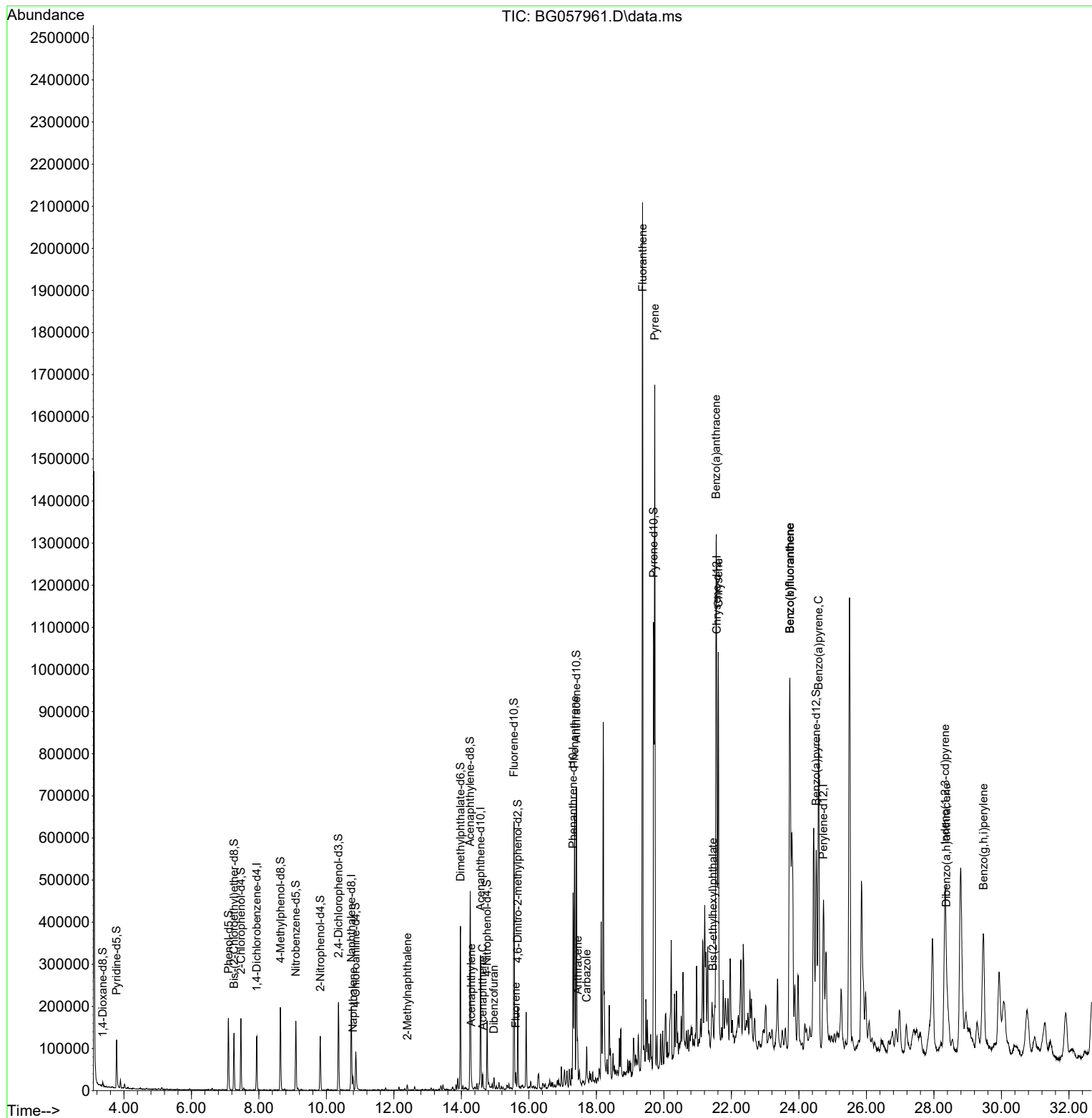
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	36133	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	163795	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.565	164	117017	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.309	188	296614	20.000	ng/ul	0.00
79) Chrysene-d12	21.563	240	247255	20.000	ng/ul	0.00
88) Perylene-d12	24.724	264	309986	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	4827	4.678	ng/uL	0.00
4) Pyridine-d5	3.784	84	64914	20.721	ng/ul	0.00
7) Phenol-d5	7.098	99	107453	29.119	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.262	67	67183	30.211	ng/ul	0.00
11) 2-Chlorophenol-d4	7.468	132	78458	30.828	ng/ul	0.00
15) 4-Methylphenol-d8	8.637	113	77446	27.815	ng/ul	0.00
21) Nitrobenzene-d5	9.095	128	40728	30.508	ng/ul	0.00
24) 2-Nitrophenol-d4	9.818	143	43940	31.317	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.358	165	83003	30.838	ng/ul	0.00
31) 4-Chloroaniline-d4	10.870	131	56031	13.730	ng/ul	0.00
46) Dimethylphthalate-d6	13.972	166	274169	29.695	ng/ul	0.00
49) Acenaphthylene-d8	14.260	160	327377	32.494	ng/ul	0.00
54) 4-Nitrophenol-d4	14.759	143	45218	27.720	ng/ul	0.00
60) Fluorene-d10	15.558	176	259740	33.126	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.670	200	41637	25.852	ng/ul	0.00
73) Anthracene-d10	17.409	188	430744	31.296	ng/ul	0.00
81) Pyrene-d10	19.695	212	505013	32.430	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.512	264	511281	32.374	ng/ul	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.787	128	26228	2.849	ng/ul	99
36) 2-Methylnaphthalene	12.397	142	6728	1.084	ng/ul	97
50) Acenaphthylene	14.289	152	25034	2.301	ng/ul	96
52) Acenaphthene	14.630	153	11907	1.595	ng/ul	94
56) Dibenzofuran	14.965	168	10838	1.021	ng/ul	99
61) Fluorene	15.611	166	15848	1.820	ng/ul#	95
72) Phenanthrene	17.350	178	422947	28.032	ng/ul	100
74) Anthracene	17.444	178	70099	4.591	ng/ul	98
77) Carbazole	17.709	167	56970	4.126	ng/ul	100
80) Fluoranthene	19.366	202	1239580	68.697	ng/ul	99
82) Pyrene	19.730	202	1032599	56.850	ng/ul	98
85) Benzo(a)anthracene	21.545	228	648176	36.510	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.451	149	17870	1.693	ng/ul	97
87) Chrysene	21.610	228	686676	41.260	ng/ul	95
90) Benzo(b)fluoranthene	23.731	252	1095404	57.071	ng/ul	99
91) Benzo(k)fluoranthene	23.731	252	1095404	58.226	ng/ul	98
93) Benzo(a)pyrene	24.583	252	764516	45.003	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.331	276	654333	29.005	ng/ul	100
95) Dibenzo(a,h)anthracene	28.367	278	161430	8.678	ng/ul#	89
96) Benzo(g,h,i)perylene	29.465	276	561693	30.484	ng/ul	98

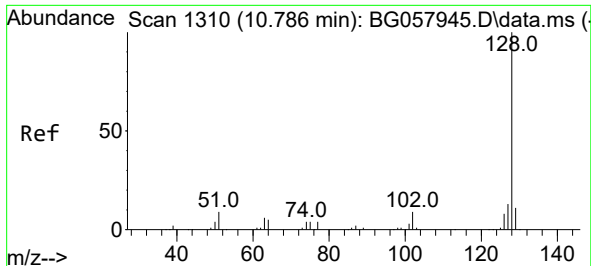
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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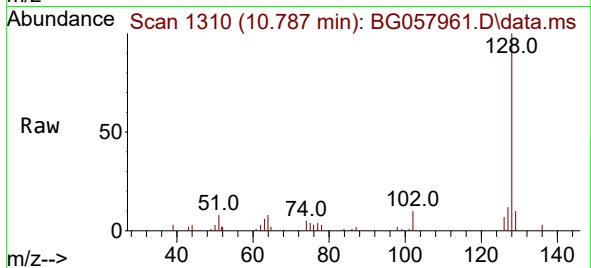
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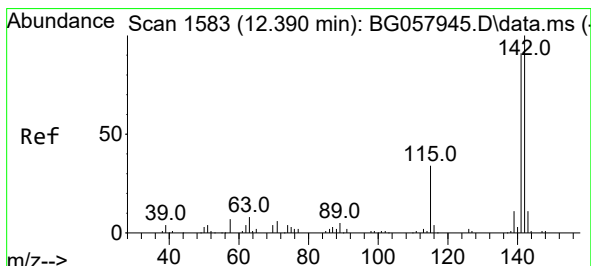
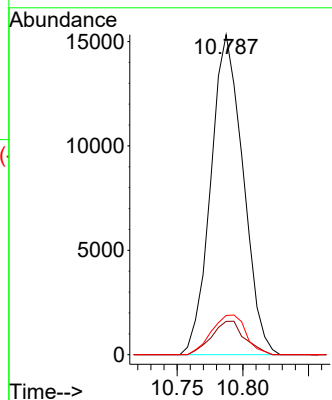
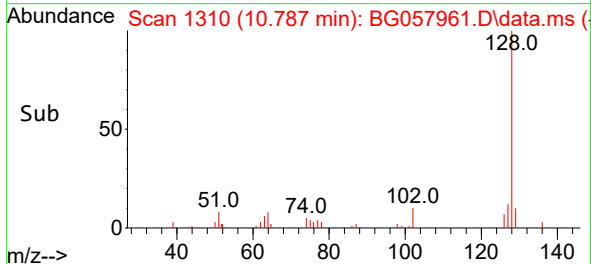


#30
Naphthalene
Concen: 2.849 ng/ul
RT: 10.787 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

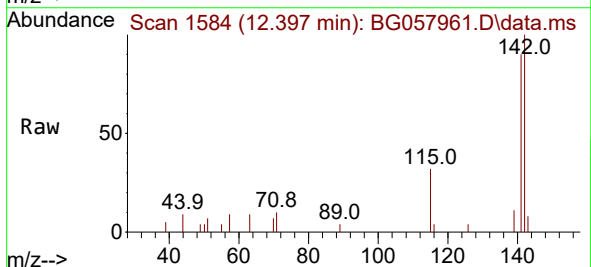
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BNA_P
ClientSampleId :



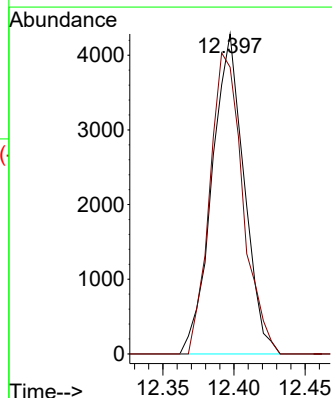
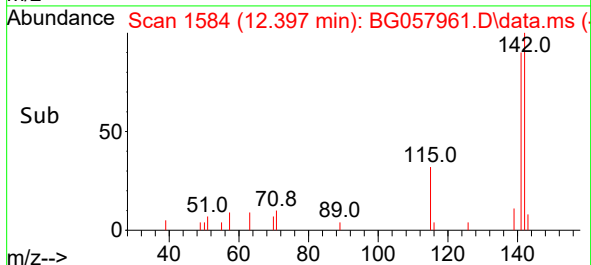
Tgt Ion:128 Resp: 26228
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 12.2 10.2 15.2

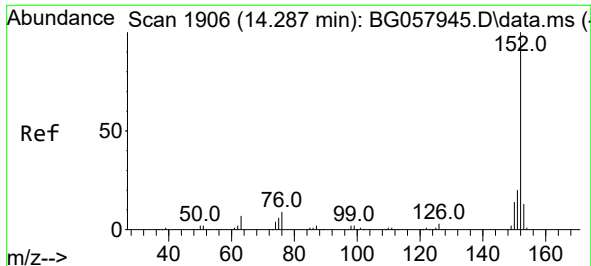


#36
2-Methylnaphthalene
Concen: 1.084 ng/ul
RT: 12.397 min Scan# 1584
Delta R.T. 0.008 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05



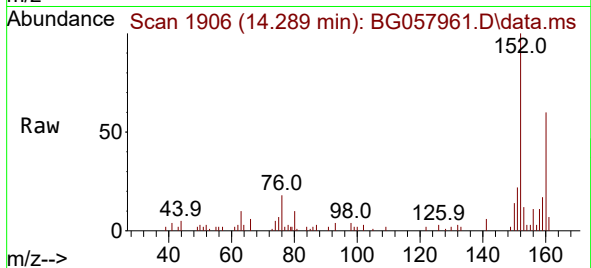
Tgt Ion:142 Resp: 6728
Ion Ratio Lower Upper
142 100
141 89.6 69.4 104.2



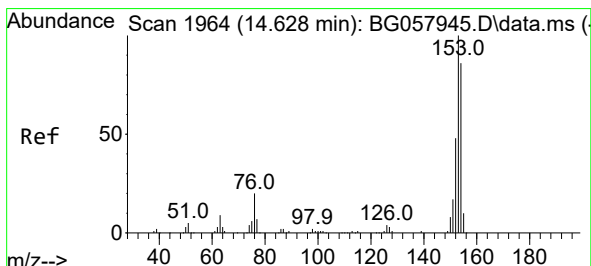
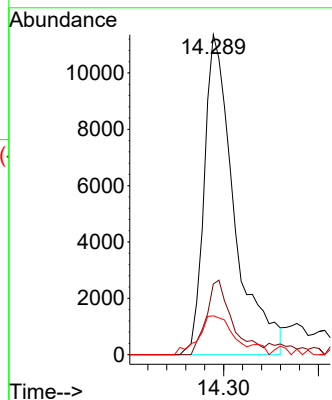
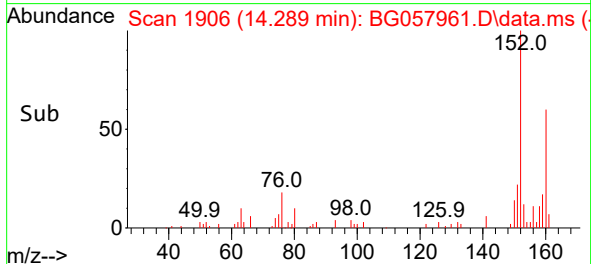


#50
Acenaphthylene
Concen: 2.301 ng/ul
RT: 14.289 min Scan# 1906
Delta R.T. 0.002 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

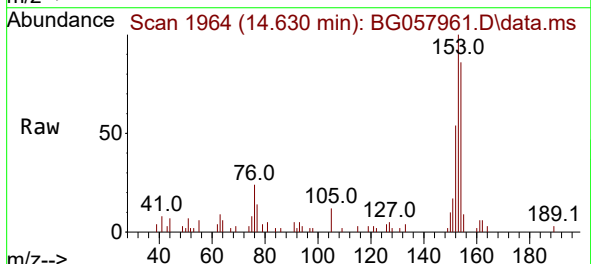
Instrument :
BNA_P
ClientSampleId :



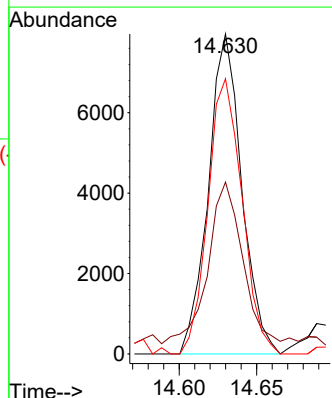
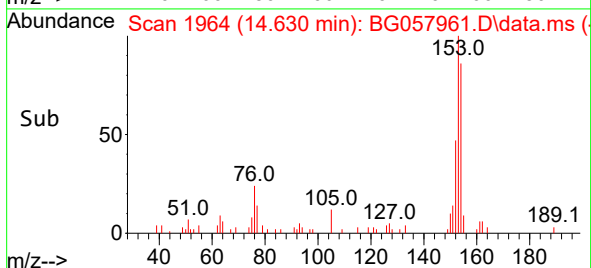
Tgt Ion:152 Resp: 25034
Ion Ratio Lower Upper
152 100
151 22.1 15.6 23.4
153 12.2 10.5 15.7

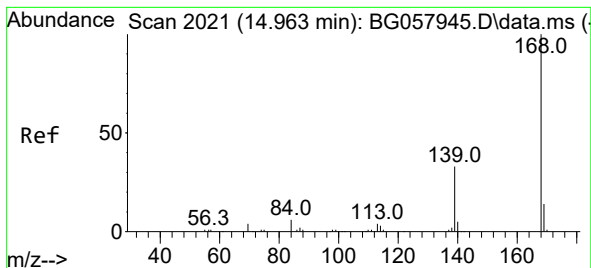


#52
Acenaphthene
Concen: 1.595 ng/ul
RT: 14.630 min Scan# 1964
Delta R.T. 0.002 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05



Tgt Ion:153 Resp: 11907
Ion Ratio Lower Upper
153 100
152 53.7 36.5 54.7
154 86.0 70.5 105.7





#56

Dibenzenofuran

Concen: 1.021 ng/ul

RT: 14.965 min Scan# 2021

Delta R.T. 0.002 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

Instrument :

BNA_P

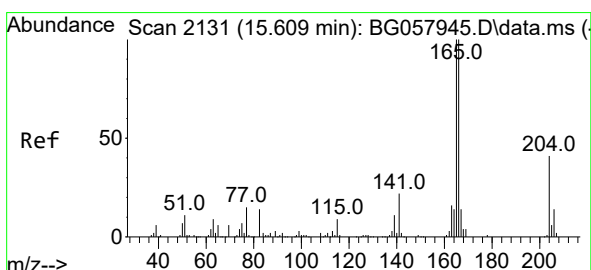
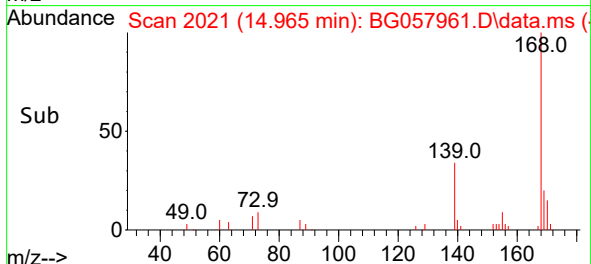
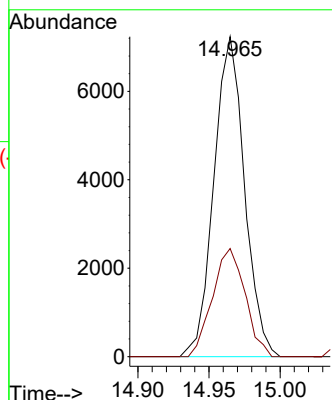
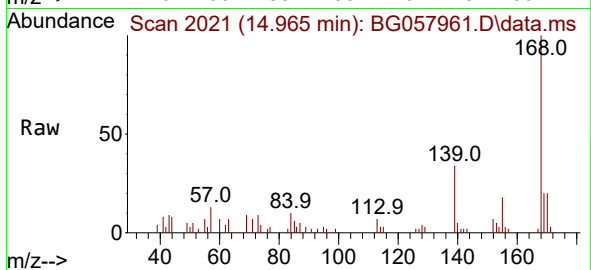
ClientSampleId :

Tgt Ion:168 Resp: 10838

Ion Ratio Lower Upper

168 100

139 33.8 27.6 41.4



#61

Fluorene

Concen: 1.820 ng/ul

RT: 15.611 min Scan# 2131

Delta R.T. 0.002 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

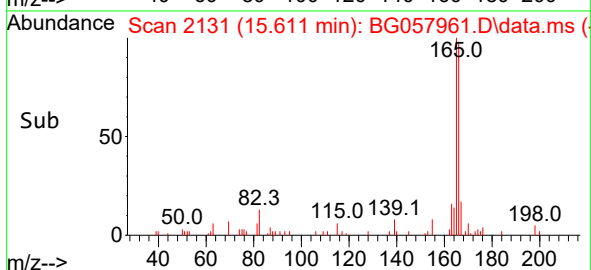
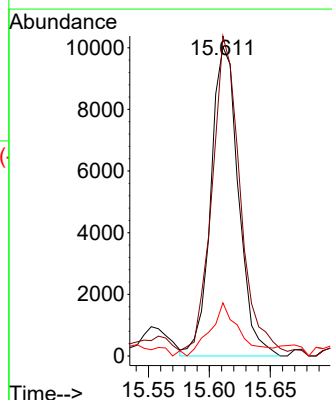
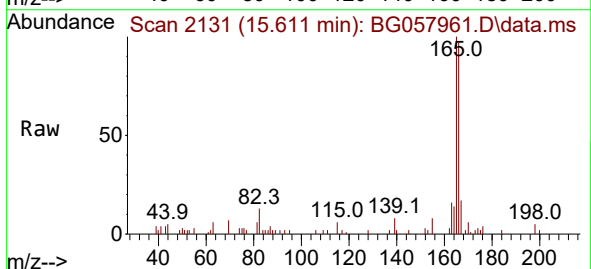
Tgt Ion:166 Resp: 15848

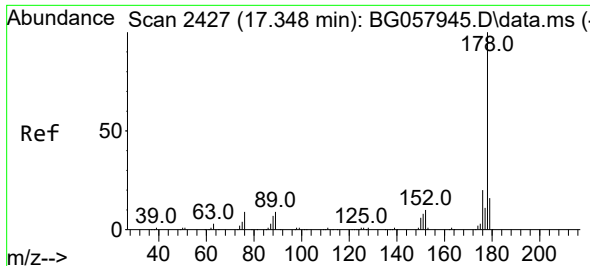
Ion Ratio Lower Upper

166 100

165 103.5 79.1 118.7

167 17.2 10.7 16.1#

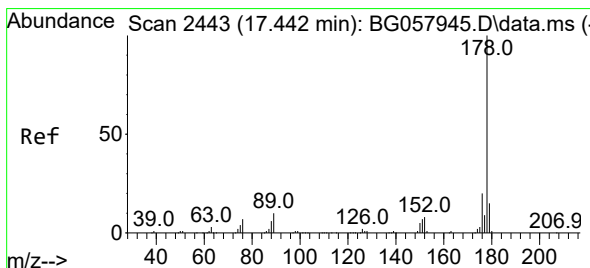
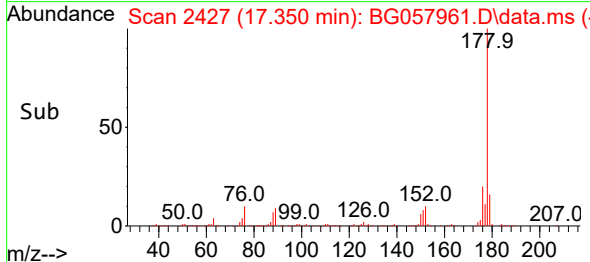
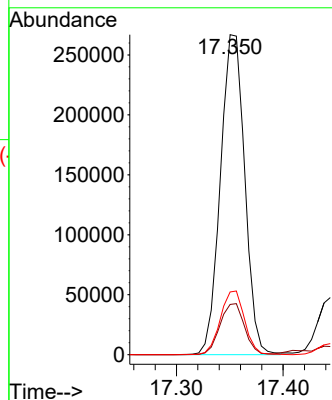
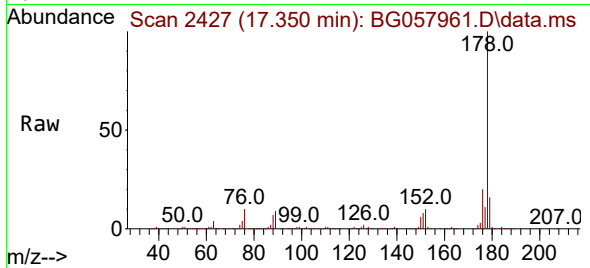




#72
Phenanthrene
Concen: 28.032 ng/ul
RT: 17.350 min Scan# 2427
Delta R.T. 0.002 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

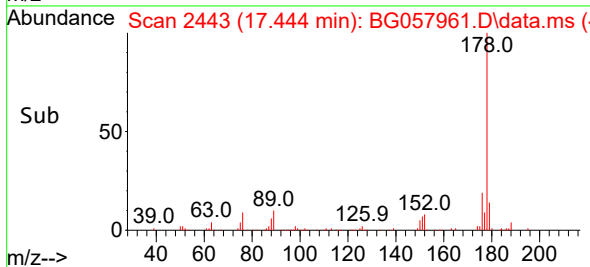
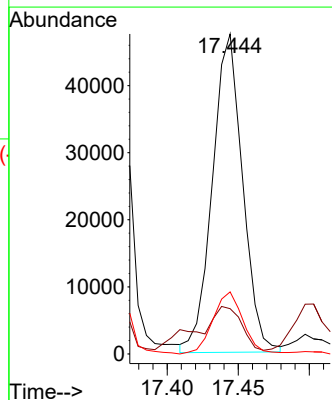
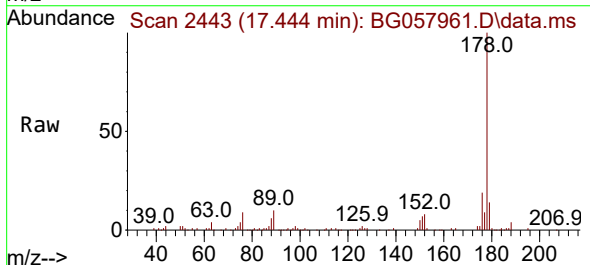
Instrument :
BNA_P
ClientSampleId :

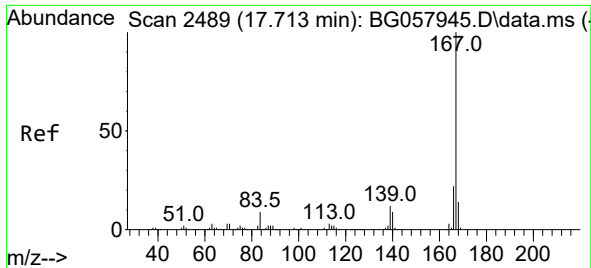
Tgt Ion:178 Resp: 422947
Ion Ratio Lower Upper
178 100
179 15.7 12.8 19.2
176 19.6 15.7 23.5



#74
Anthracene
Concen: 4.591 ng/ul
RT: 17.444 min Scan# 2443
Delta R.T. 0.002 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

Tgt Ion:178 Resp: 70099
Ion Ratio Lower Upper
178 100
179 14.2 12.6 18.8
176 19.4 15.4 23.2

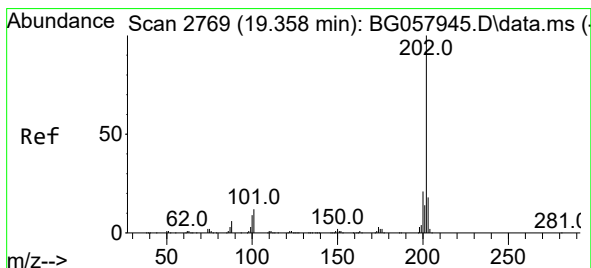
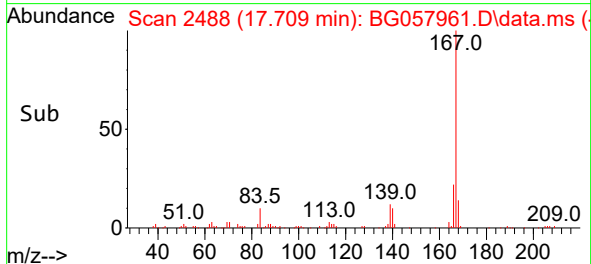
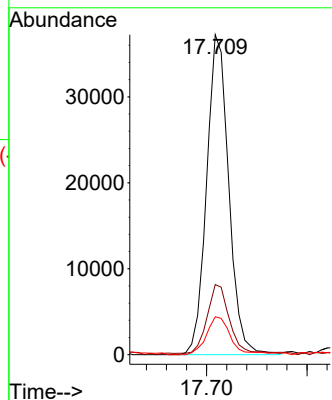
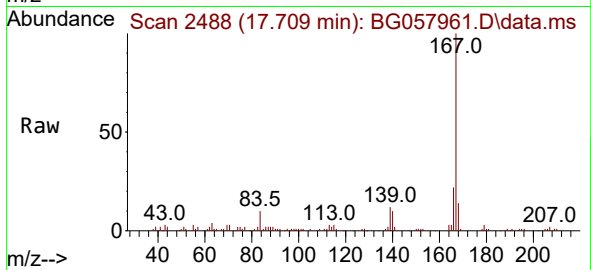




#77
 Carbazole
 Concen: 4.126 ng/ul
 RT: 17.709 min Scan# 2489
 Delta R.T. -0.004 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

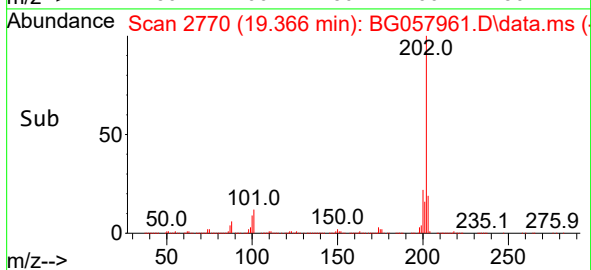
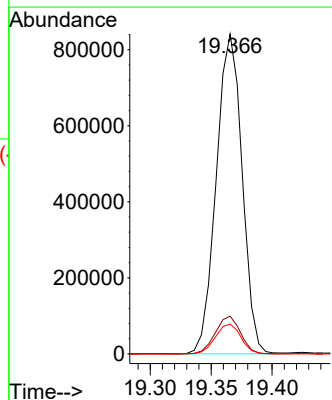
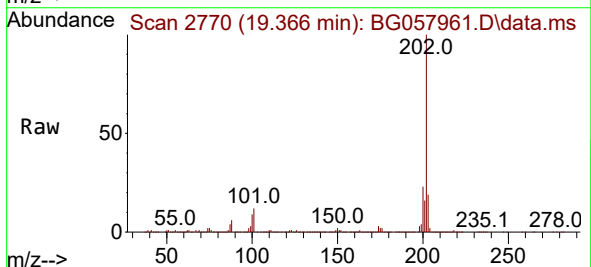
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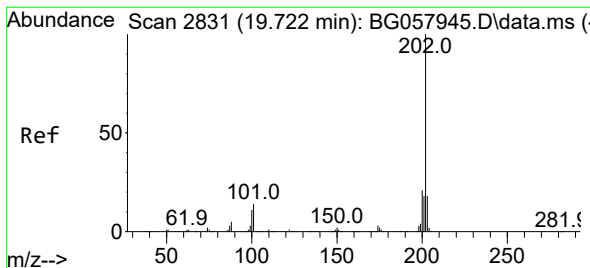
Tgt Ion:167 Resp: 56970
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 11.8 9.5 14.3



#80
 Fluoranthene
 Concen: 68.697 ng/ul
 RT: 19.366 min Scan# 2770
 Delta R.T. 0.008 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

Tgt Ion:202 Resp: 1239580
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.1 13.7
 100 9.3 7.1 10.7





#82

Pyrene

Concen: 56.850 ng/ul

RT: 19.730 min Scan# 2

Delta R.T. 0.008 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

Instrument :

BNA_P

ClientSampleId :

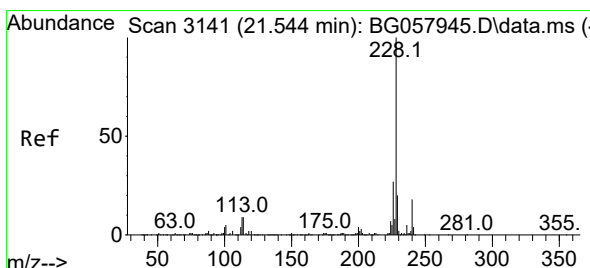
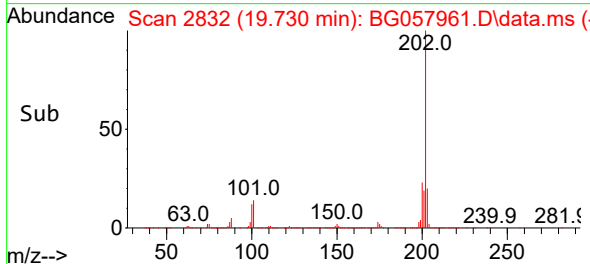
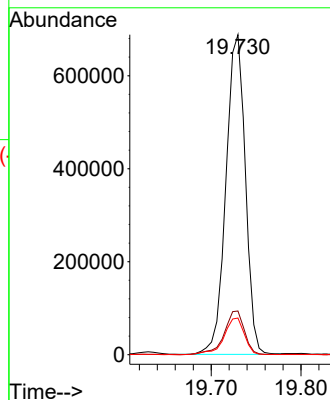
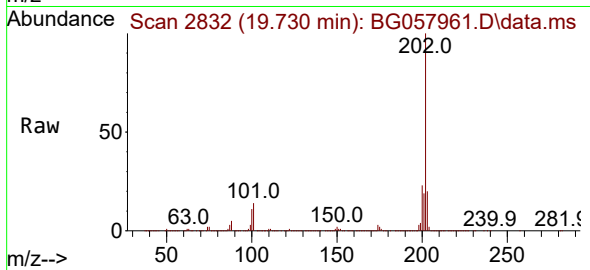
Tgt Ion:202 Resp: 1032599

Ion Ratio Lower Upper

202 100

101 13.7 10.2 15.2

100 11.4 8.9 13.3



#85

Benzo(a)anthracene

Concen: 36.510 ng/ul

RT: 21.545 min Scan# 3141

Delta R.T. 0.002 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

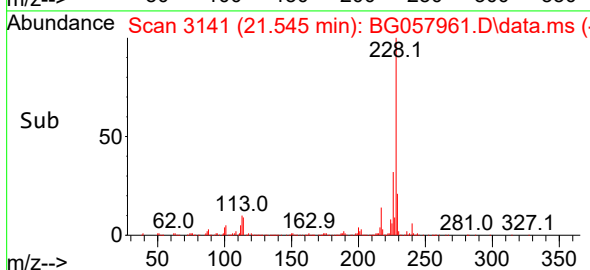
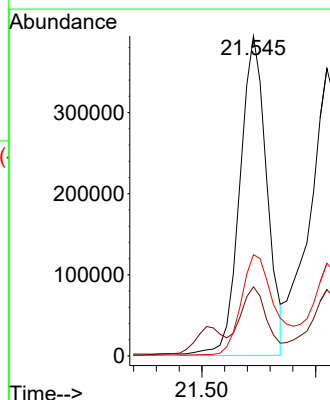
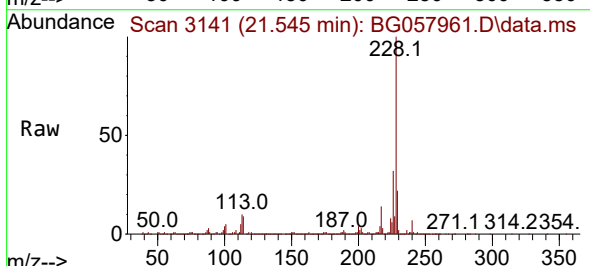
Tgt Ion:228 Resp: 648176

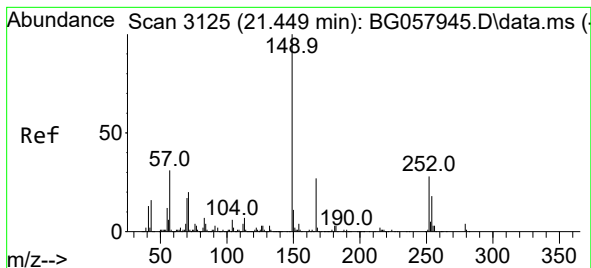
Ion Ratio Lower Upper

228 100

229 21.6 16.0 24.0

226 31.7 22.0 33.0

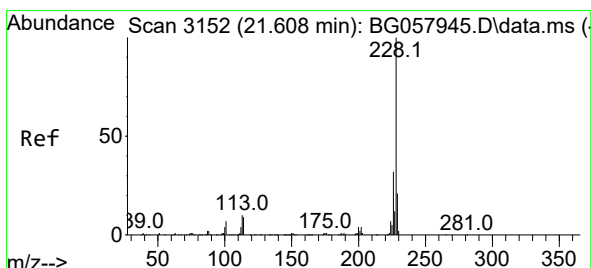
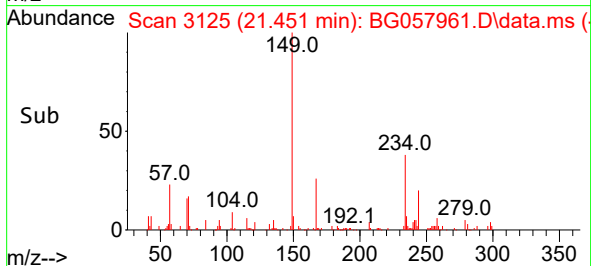
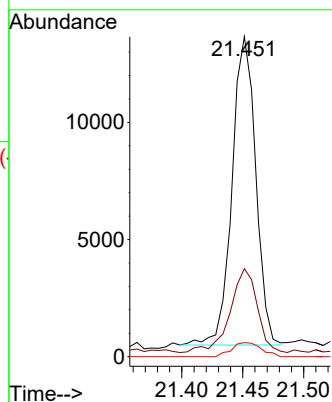
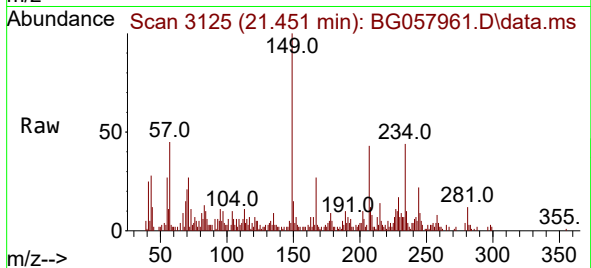




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.693 ng/ul
 RT: 21.451 min Scan# 3125
 Delta R.T. 0.002 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

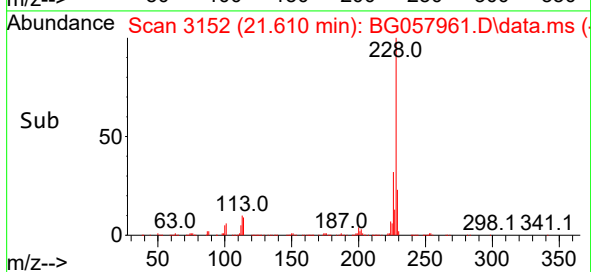
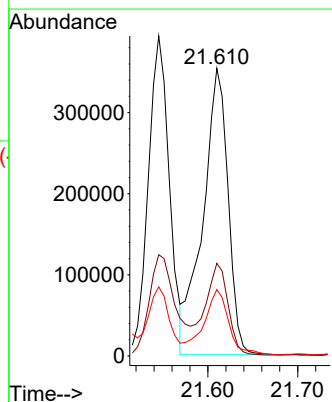
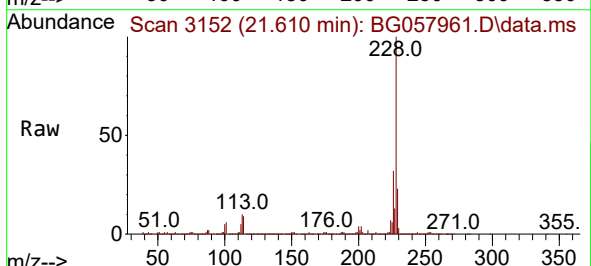
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 BNA_P
 ClientSampleId :

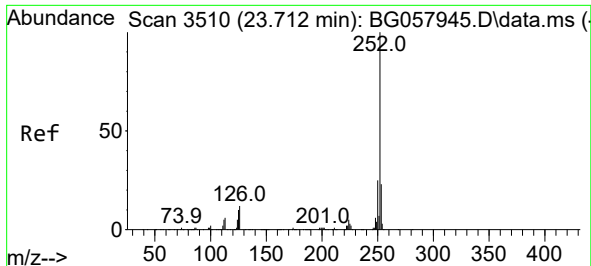
Tgt Ion:149 Resp: 17870
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.9 31.3
 279 4.4 3.1 4.7



#87
 Chrysene
 Concen: 41.260 ng/ul
 RT: 21.610 min Scan# 3152
 Delta R.T. 0.002 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

Tgt Ion:228 Resp: 686676
 Ion Ratio Lower Upper
 228 100
 226 32.2 24.4 36.6
 229 23.1 15.5 23.3

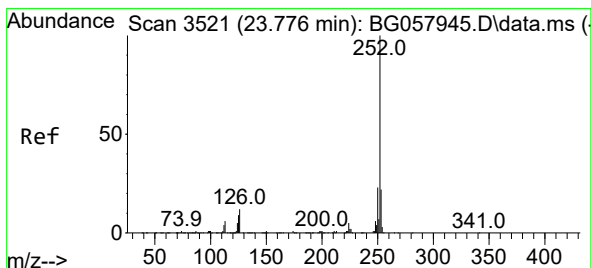
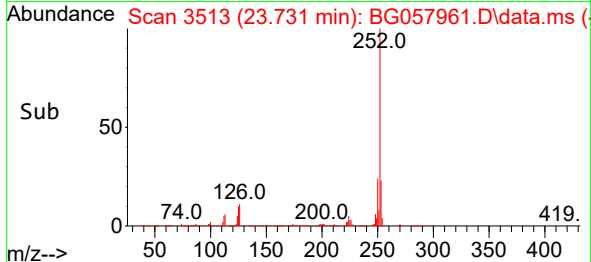
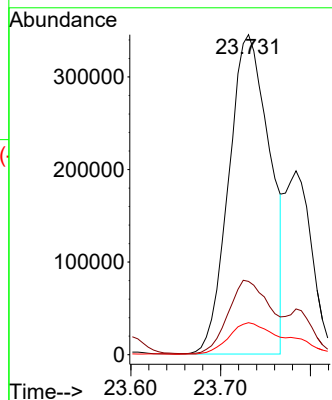
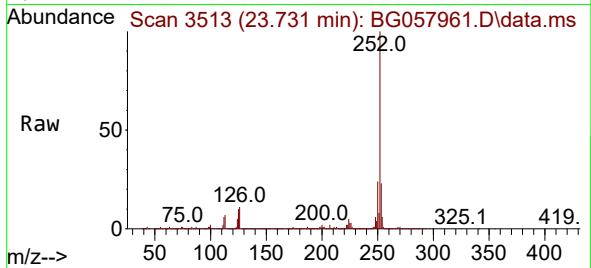




#90
Benzo(b)fluoranthene
Concen: 57.071 ng/ul
RT: 23.731 min Scan# 3513
Delta R.T. 0.020 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

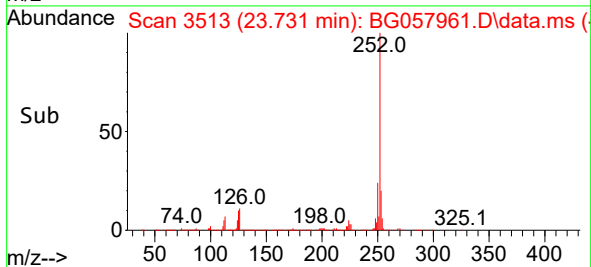
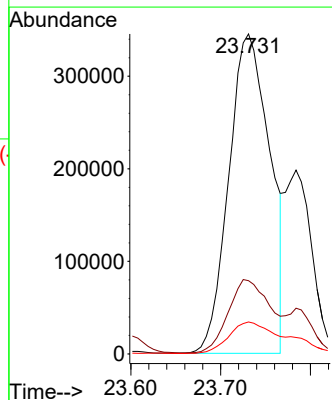
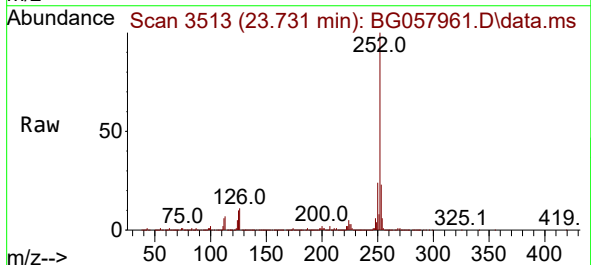
Instrument :
BNA_P
ClientSampleId :

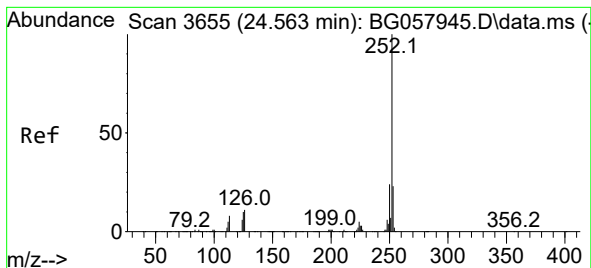
Tgt Ion:252 Resp: 1095404
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.0 7.5 11.3



#91
Benzo(k)fluoranthene
Concen: 58.226 ng/ul
RT: 23.731 min Scan# 3513
Delta R.T. -0.045 min
Lab File: BG057961.D
Acq: 3 Jul 2023 19:05

Tgt Ion:252 Resp: 1095404
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.0 7.4 11.2





#93

Benzo(a)pyrene

Concen: 45.003 ng/ul

RT: 24.583 min Scan# 3

Delta R.T. 0.014 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

Instrument :

BNA_P

ClientSampleId :

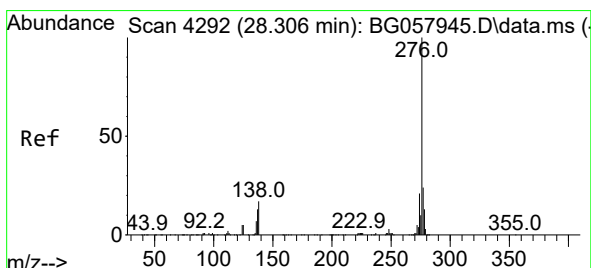
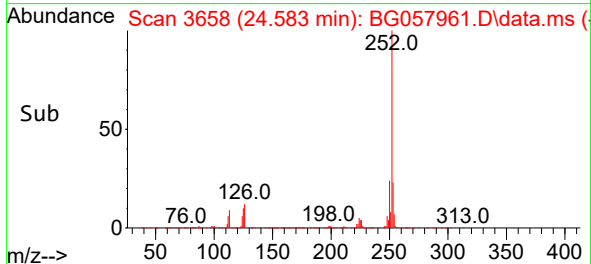
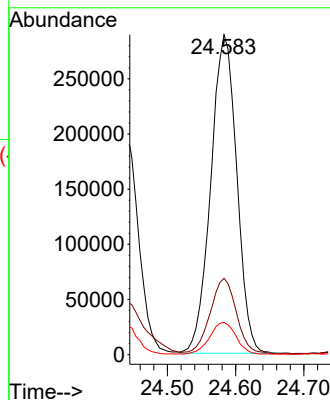
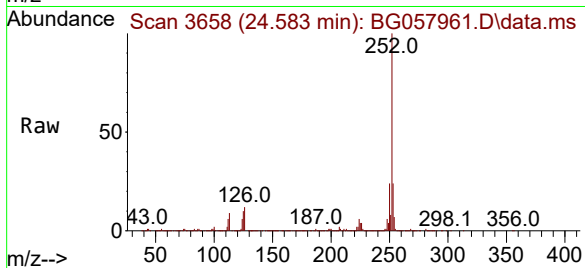
Tgt Ion:252 Resp: 764516

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 10.1 8.3 12.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 29.005 ng/ul

RT: 28.331 min Scan# 4296

Delta R.T. 0.026 min

Lab File: BG057961.D

Acq: 3 Jul 2023 19:05

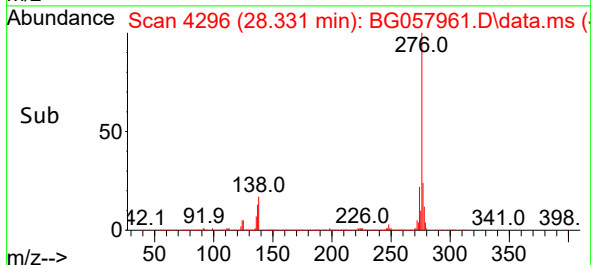
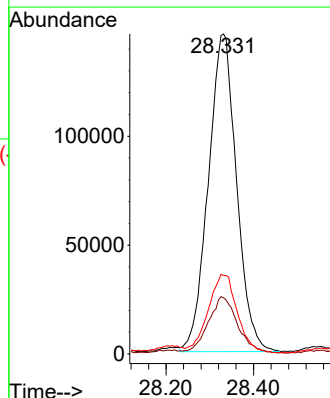
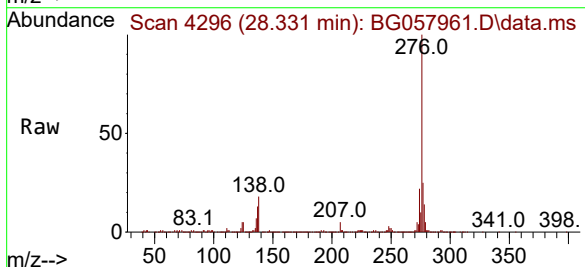
Tgt Ion:276 Resp: 654333

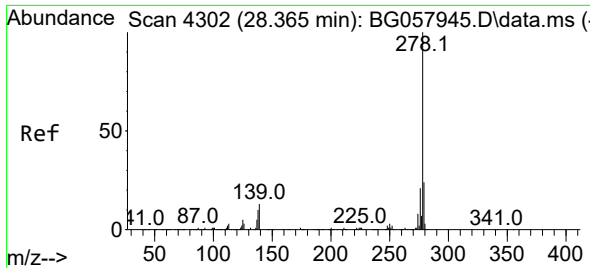
Ion Ratio Lower Upper

276 100

138 17.6 14.0 21.0

277 24.6 19.4 29.2

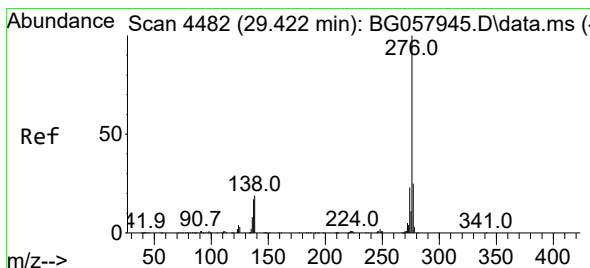
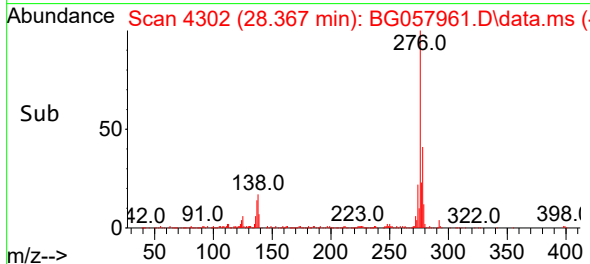
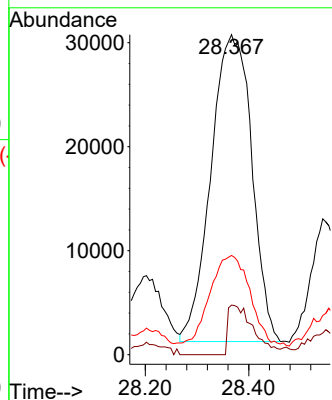
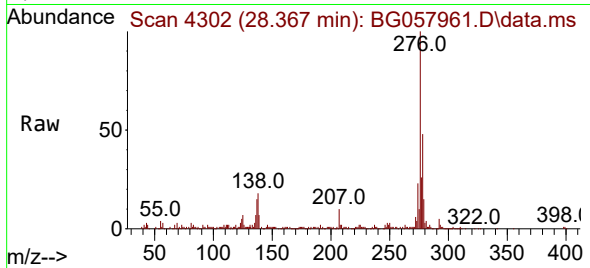




#95
 Dibenzo(a,h)anthracene
 Concen: 8.678 ng/ul
 RT: 28.367 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:278 Resp: 161430
 Ion Ratio Lower Upper
 278 100
 139 15.5 11.3 16.9
 279 31.0 18.9 28.3#



#96
 Benzo(g,h,i)perylene
 Concen: 30.484 ng/ul
 RT: 29.465 min Scan# 4489
 Delta R.T. 0.038 min
 Lab File: BG057961.D
 Acq: 3 Jul 2023 19:05

Tgt Ion:276 Resp: 561693
 Ion Ratio Lower Upper
 276 100
 138 18.3 14.2 21.2
 277 24.5 18.6 27.8

