

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057967.D
 Acq On : 3 Jul 2023 23:20
 Operator : CG/JU
 Sample : 03246-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 04 00:57:02 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	7.936	152	45374	20.000	ng/ul	0.00
20) Naphthalene-d8	10.744	136	212213	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.569	164	142605	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.313	188	296762	20.000	ng/ul	0.00
79) Chrysene-d12	21.567	240	237687	20.000	ng/ul	0.00
88) Perylene-d12	24.734	264	298640	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	4329	3.341	ng/uL	0.01
4) Pyridine-d5	3.788	84	54227	13.785	ng/ul	0.01
7) Phenol-d5	7.101	99	96560	20.838	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.266	67	57203	20.485	ng/ul	0.00
11) 2-Chlorophenol-d4	7.471	132	70287	21.993	ng/ul	0.00
15) 4-Methylphenol-d8	8.646	113	67486	19.301	ng/ul	0.01
21) Nitrobenzene-d5	9.099	128	36087	20.864	ng/ul	0.00
24) 2-Nitrophenol-d4	9.822	143	38910	21.405	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.362	165	74109	21.252	ng/ul	0.00
31) 4-Chloroaniline-d4	10.873	131	38161	7.218	ng/ul	0.00
46) Dimethylphthalate-d6	13.976	166	234251	20.819	ng/ul	0.00
49) Acenaphthylene-d8	14.263	160	266465	21.702	ng/ul	0.00
54) 4-Nitrophenol-d4	14.775	143	27156	13.661	ng/ul	0.01
60) Fluorene-d10	15.562	176	201310	21.067	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.679	200	26914	16.702	ng/ul	0.01
73) Anthracene-d10	17.413	188	295987	21.494	ng/ul	0.00
81) Pyrene-d10	19.698	212	344772	23.031	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.516	264	352763	23.185	ng/ul	0.02
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.372	93	6185	1.703	ng/ul#	16
30) Naphthalene	10.791	128	19440	1.630	ng/ul	98
36) 2-Methylnaphthalene	12.401	142	16152	2.009	ng/ul	97
37) 1-Methylnaphthalene	12.618	142	11637	1.443	ng/ul#	91
50) Acenaphthylene	14.299	152	13792	1.040	ng/ul	94
52) Acenaphthene	14.634	153	27170	2.986	ng/ul	94
56) Dibenzofuran	14.969	168	30239	2.338	ng/ul	96
61) Fluorene	15.615	166	29447	2.775	ng/ul#	90
72) Phenanthrene	17.360	178	459912	30.467	ng/ul	99
74) Anthracene	17.448	178	87804	5.748	ng/ul	99
77) Carbazole	17.712	167	47515	3.439	ng/ul	96
80) Fluoranthene	19.369	202	706978	40.757	ng/ul	99
82) Pyrene	19.733	202	563406	32.267	ng/ul	99
83) Butylbenzylphthalate	20.615	149	9142	1.291	ng/ul#	87
85) Benzo(a)anthracene	21.549	228	329020	19.279	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.455	149	59766	5.890	ng/ul#	96
87) Chrysene	21.549	228	325039	20.317	ng/ul	98
90) Benzo(b)fluoranthene	23.729	252	497748	26.918	ng/ul	99
91) Benzo(k)fluoranthene	23.729	252	497748	27.463	ng/ul	99
93) Benzo(a)pyrene	24.581	252	318127	19.438	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.335	276	244107	11.232	ng/ul	97
95) Dibenzo(a,h)anthracene	28.376	278	33465	1.867	ng/ul#	87
96) Benzo(g,h,i)perylene	29.463	276	204007	11.492	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 07:50:15 2023
Response via : Initial Calibration

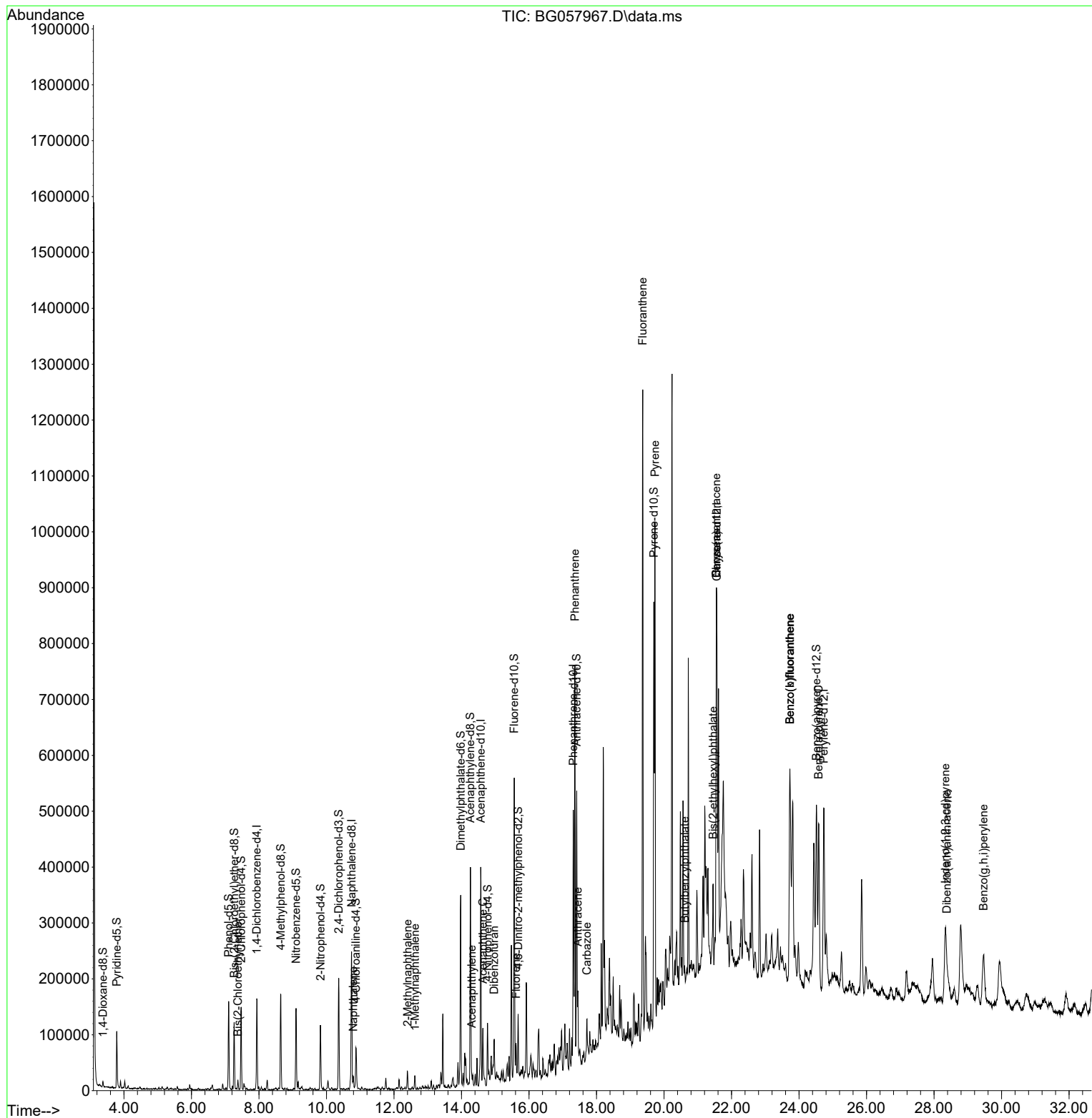
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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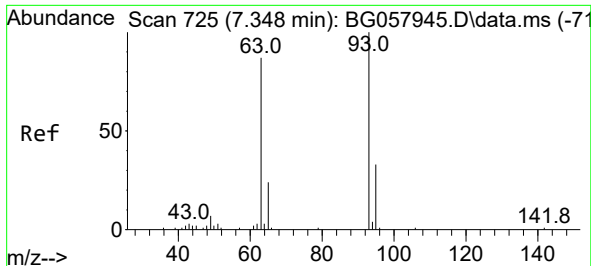
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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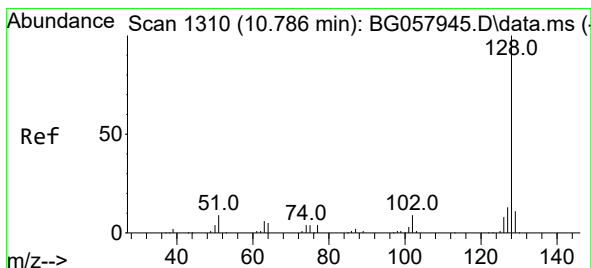
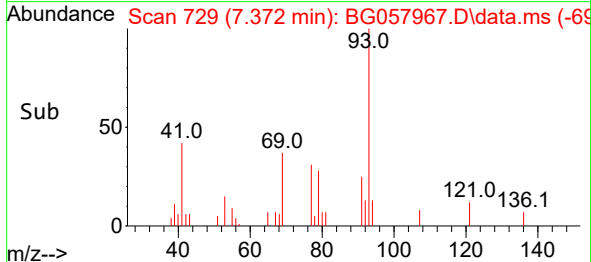
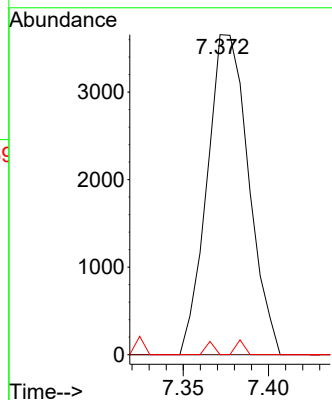
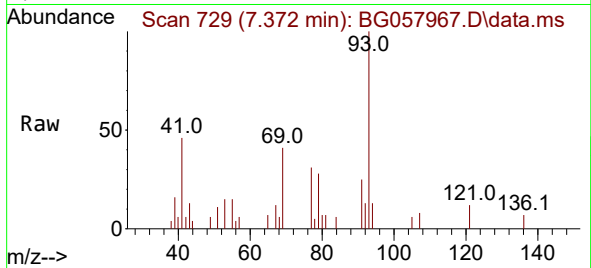




#10
Bis(2-Chloroethyl)ether
Concen: 1.703 ng/ul
RT: 7.372 min Scan# 71
Delta R.T. 0.024 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

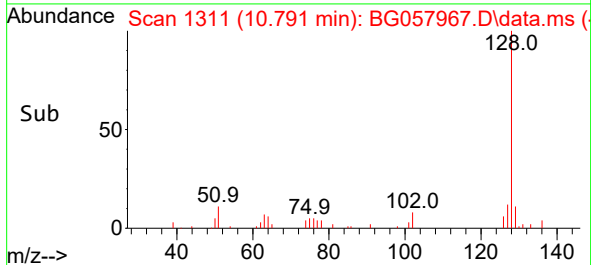
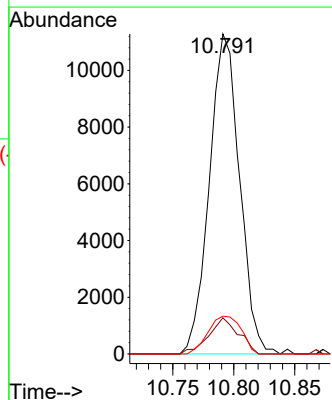
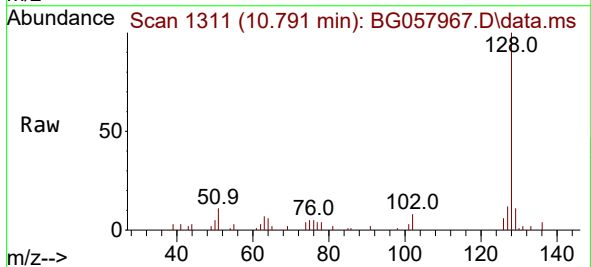
Instrument :
BNA_P
ClientSampleId :

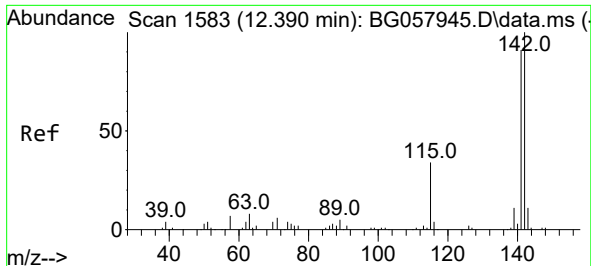
Tgt Ion: 93 Resp: 6185
Ion Ratio Lower Upper
93 100
63 0.0 69.4 104.0#
95 0.0 27.0 40.6#



#30
Naphthalene
Concen: 1.630 ng/ul
RT: 10.791 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:128 Resp: 19440
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 11.8 10.2 15.2

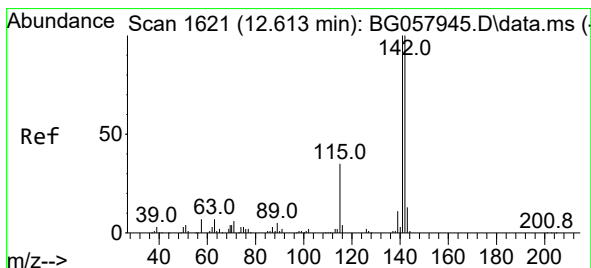
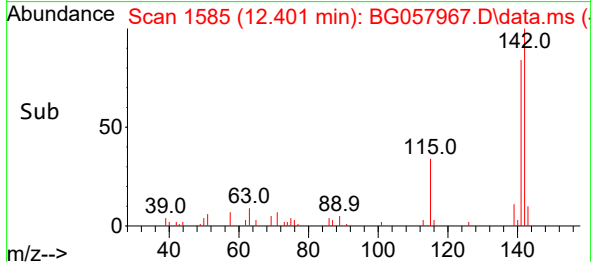
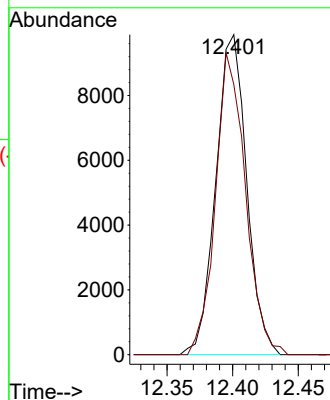
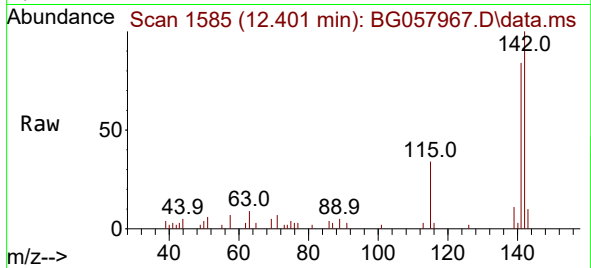




#36
2-Methylnaphthalene
Concen: 2.009 ng/ul
RT: 12.401 min Scan# 1585
Delta R.T. 0.012 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

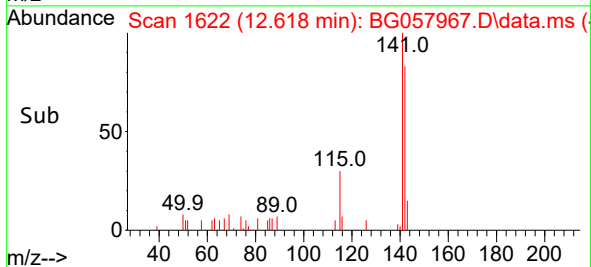
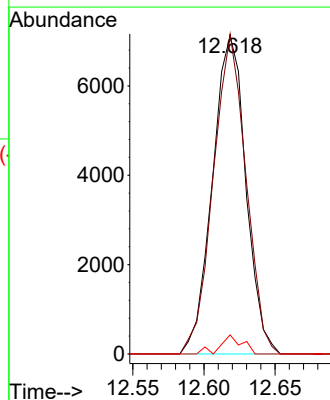
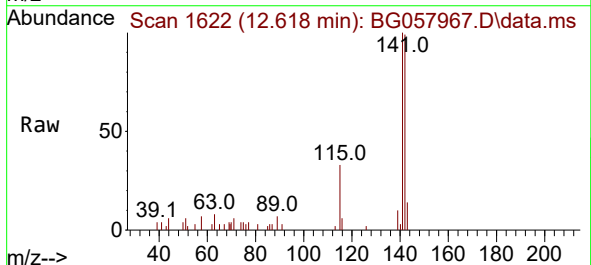
Instrument :
BNA_P
ClientSampleId :

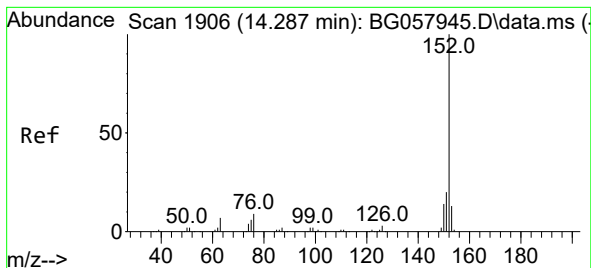
Tgt Ion:142 Resp: 16152
Ion Ratio Lower Upper
142 100
141 84.4 69.4 104.2



#37
1-Methylnaphthalene
Concen: 1.443 ng/ul
RT: 12.618 min Scan# 1622
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:142 Resp: 11637
Ion Ratio Lower Upper
142 100
141 100.5 73.8 110.8
116 6.0 3.0 4.4#





#50

Acenaphthylene

Concen: 1.040 ng/ul

RT: 14.299 min Scan# 1908

Delta R.T. 0.012 min

Lab File: BG057967.D

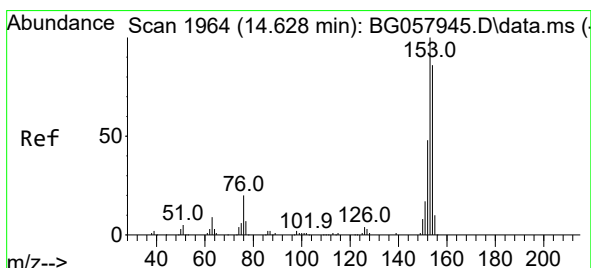
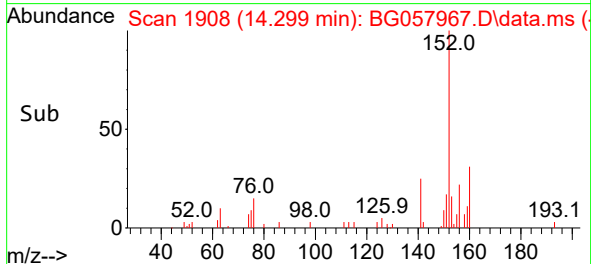
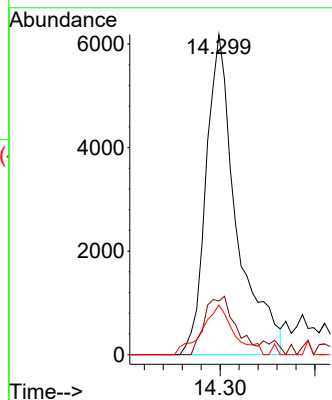
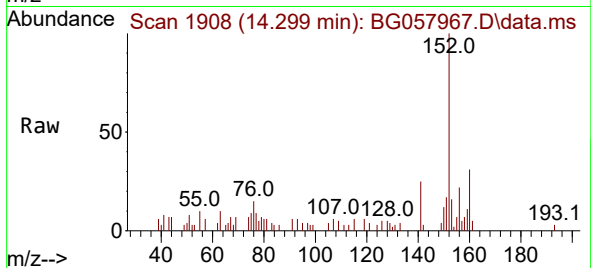
Acq: 3 Jul 2023 23:20

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:152	Resp:	13792
Ion Ratio	Lower	Upper
152	100	
151	16.7	15.6 23.4
153	15.5	10.5 15.7



#52

Acenaphthene

Concen: 2.986 ng/ul

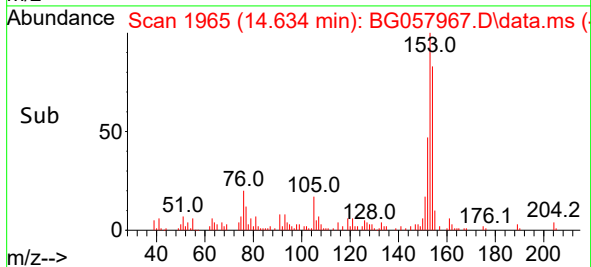
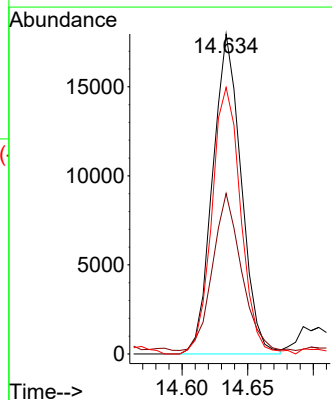
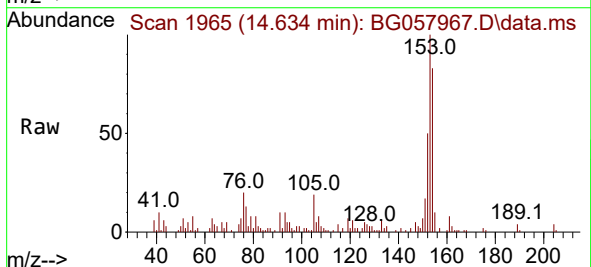
RT: 14.634 min Scan# 1965

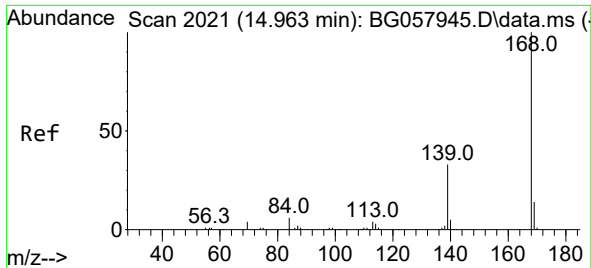
Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Tgt Ion:153	Resp:	27170
Ion Ratio	Lower	Upper
153	100	
152	50.1	36.5 54.7
154	83.3	70.5 105.7

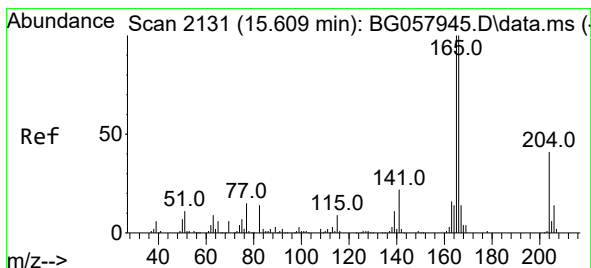
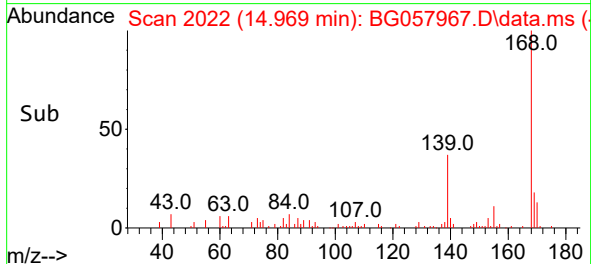
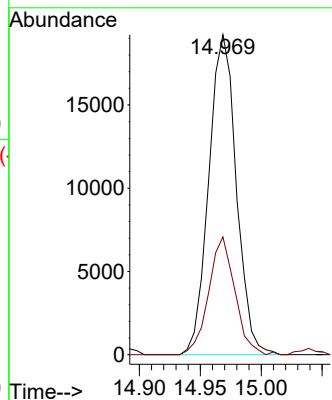
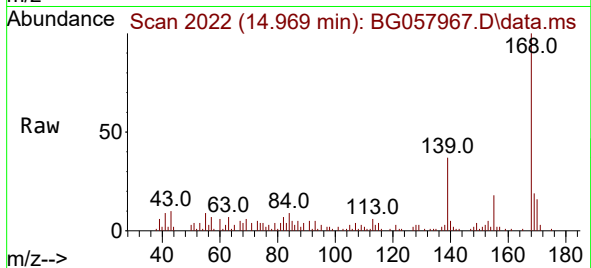




#56
Dibenzenofuran
Concen: 2.338 ng/ul
RT: 14.969 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

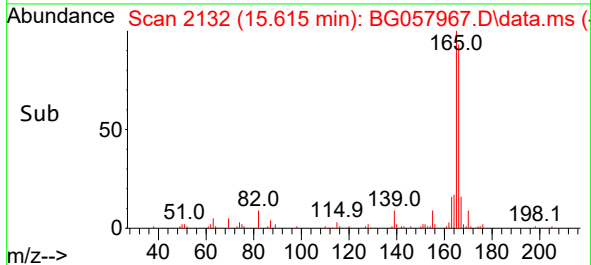
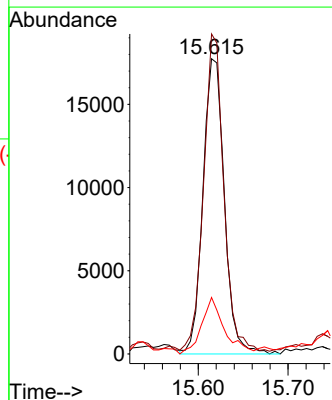
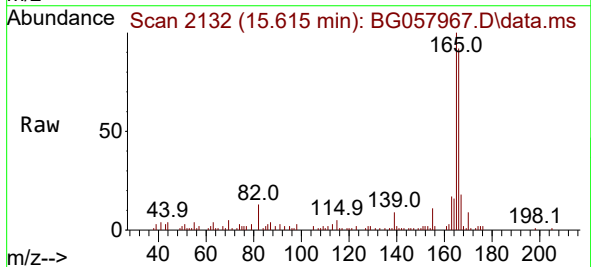
Instrument :
BNA_P
ClientSampleId :

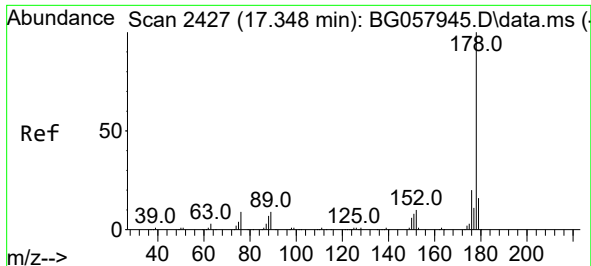
Tgt Ion:168 Resp: 30239
Ion Ratio Lower Upper
168 100
139 36.8 27.6 41.4



#61
Fluorene
Concen: 2.775 ng/ul
RT: 15.615 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

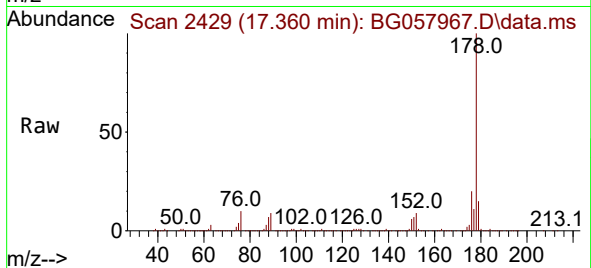
Tgt Ion:166 Resp: 29447
Ion Ratio Lower Upper
166 100
165 108.4 79.1 118.7
167 19.1 10.7 16.1#



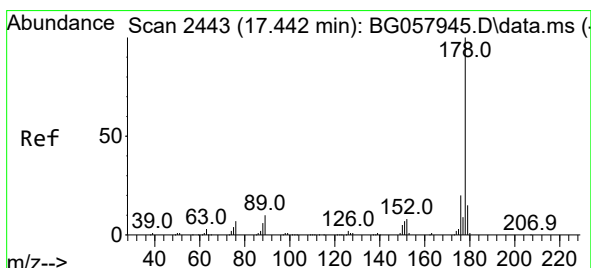
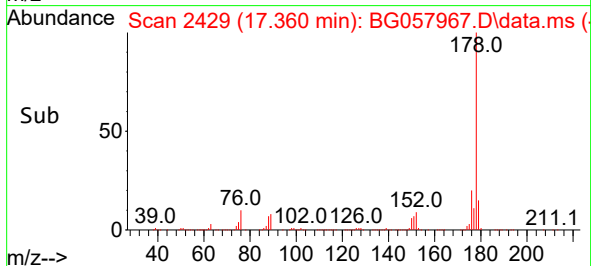
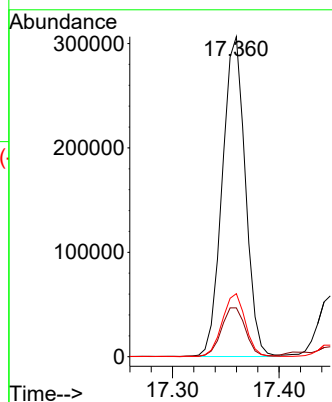


#72
Phenanthrene
Concen: 30.467 ng/ul
RT: 17.360 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Instrument :
BNA_P
ClientSampleId :

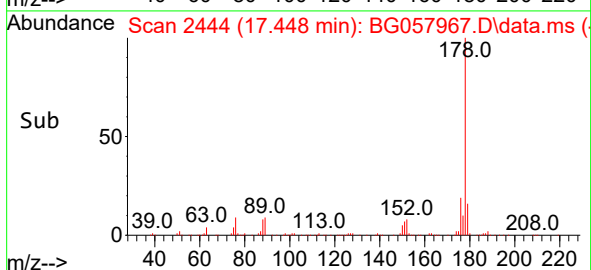
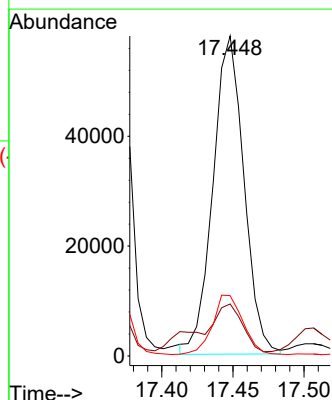
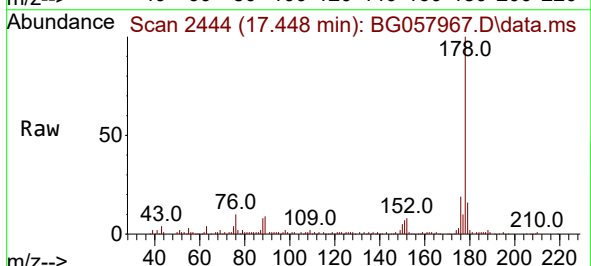


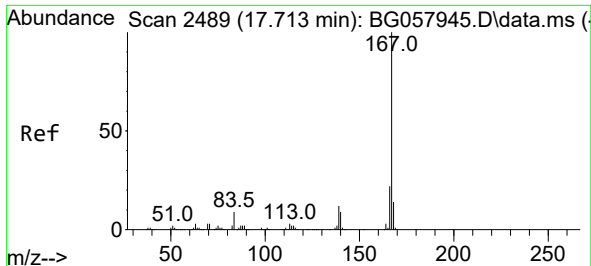
Tgt Ion:178 Resp: 459912
Ion Ratio Lower Upper
178 100
179 15.3 12.8 19.2
176 19.7 15.7 23.5



#74
Anthracene
Concen: 5.748 ng/ul
RT: 17.448 min Scan# 2444
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:178 Resp: 87804
Ion Ratio Lower Upper
178 100
179 16.2 12.6 18.8
176 18.9 15.4 23.2

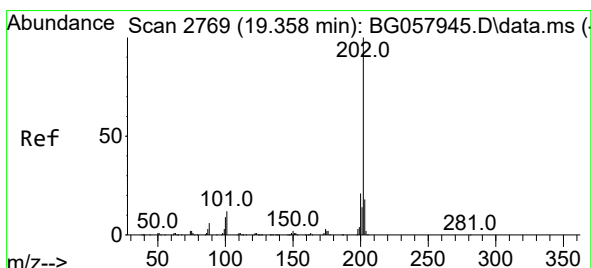
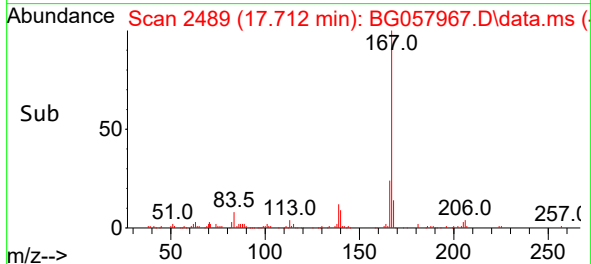
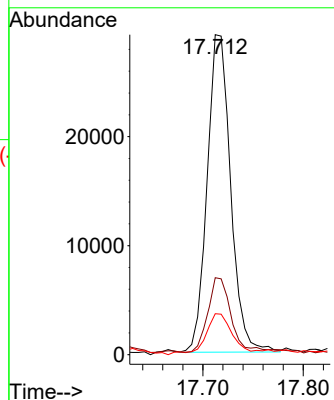
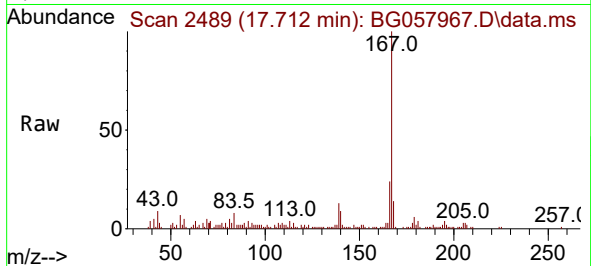




#77
 Carbazole
 Concen: 3.439 ng/ul
 RT: 17.712 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BG057967.D
 Acq: 3 Jul 2023 23:20

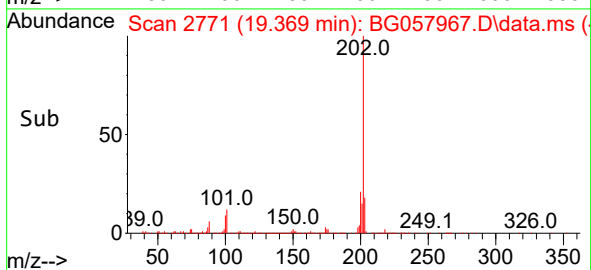
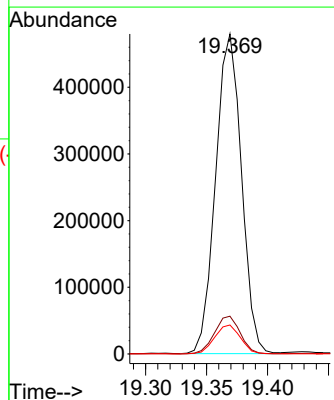
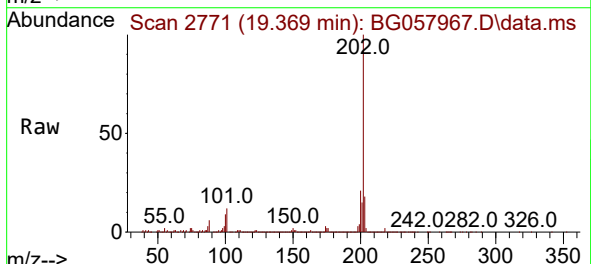
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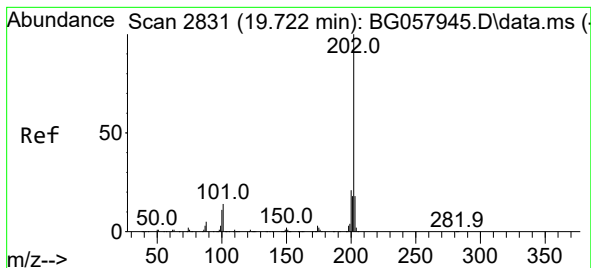
Tgt Ion:167 Resp: 47515
 Ion Ratio Lower Upper
 167 100
 166 24.1 17.5 26.3
 139 12.8 9.5 14.3



#80
 Fluoranthene
 Concen: 40.757 ng/ul
 RT: 19.369 min Scan# 2771
 Delta R.T. 0.012 min
 Lab File: BG057967.D
 Acq: 3 Jul 2023 23:20

Tgt Ion:202 Resp: 706978
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.1 13.7
 100 9.0 7.1 10.7





#82

Pyrene

Concen: 32.267 ng/ul

RT: 19.733 min Scan# 2

Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_P

ClientSampleId :

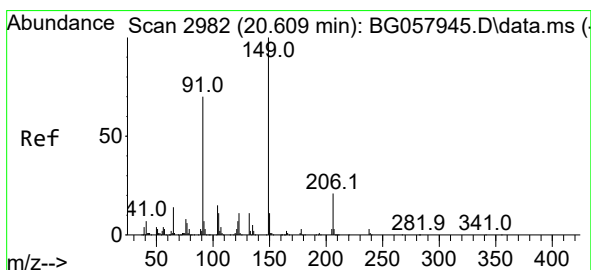
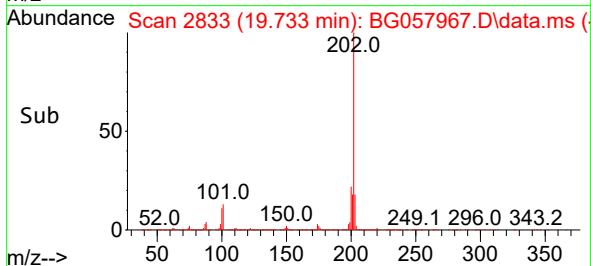
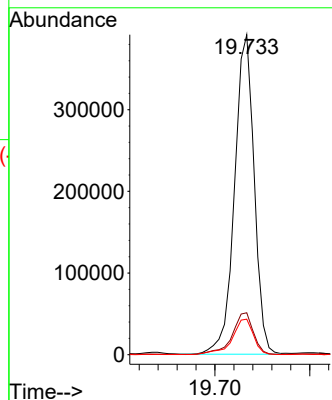
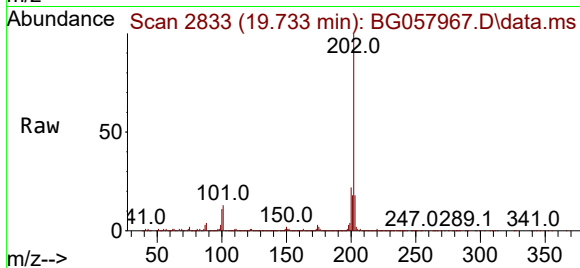
Tgt Ion:202 Resp: 563406

Ion Ratio Lower Upper

202 100

101 13.1 10.2 15.2

100 11.1 8.9 13.3



#83

Butylbenzylphthalate

Concen: 1.291 ng/ul

RT: 20.615 min Scan# 2983

Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

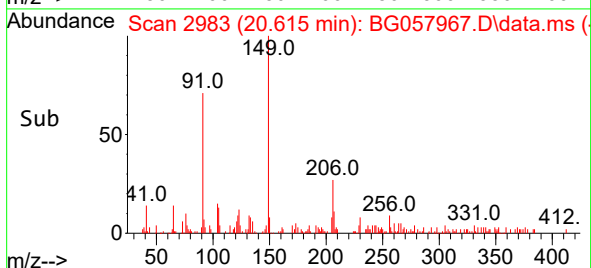
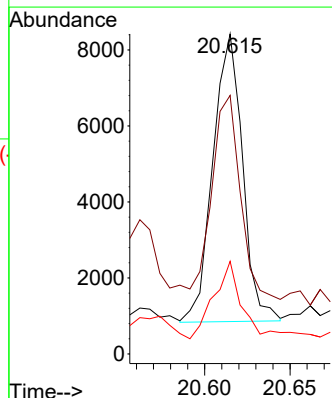
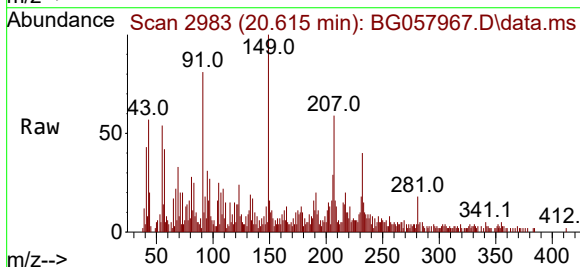
Tgt Ion:149 Resp: 9142

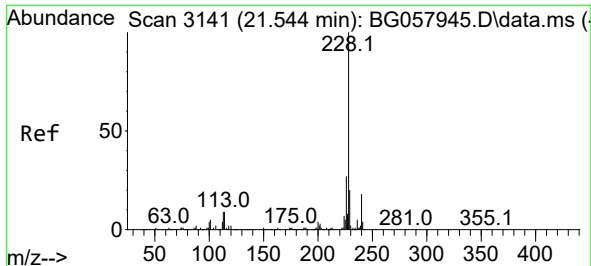
Ion Ratio Lower Upper

149 100

91 80.8 56.5 84.7

206 28.9 17.4 26.0#

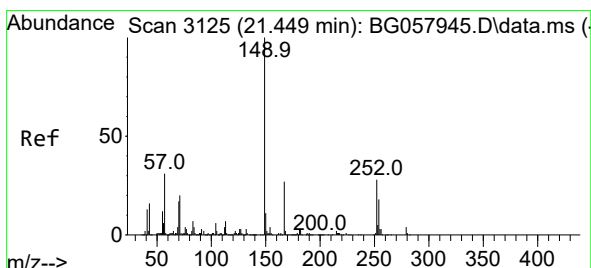
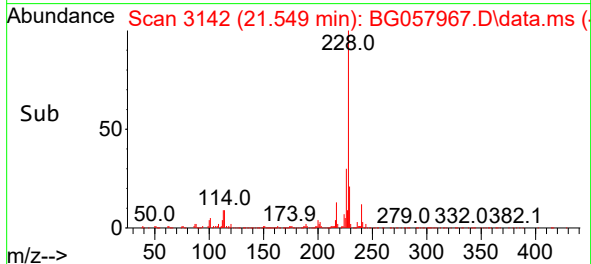
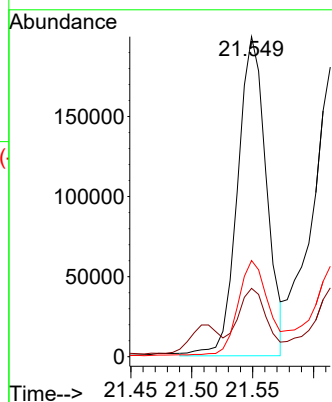
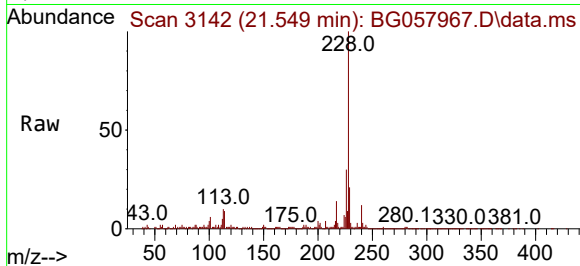




#85
Benzo(a)anthracene
Concen: 19.279 ng/ul
RT: 21.549 min Scan# 3141
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

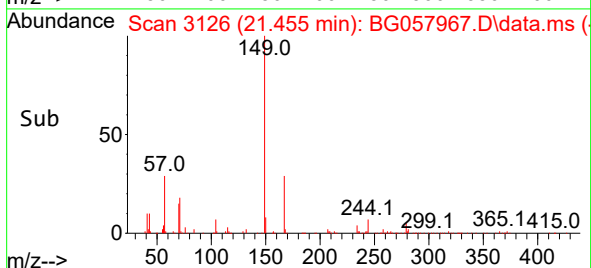
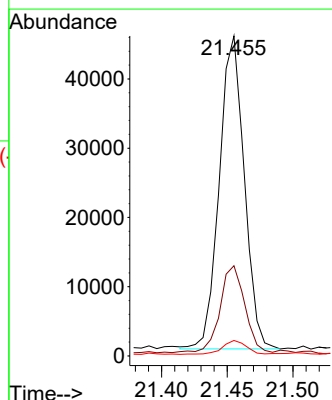
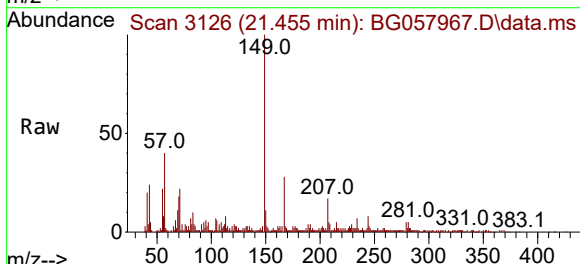
Instrument :
BNA_P
ClientSampleId :

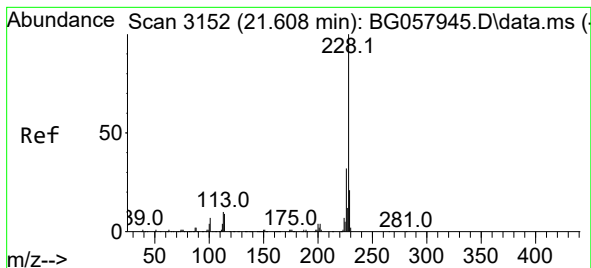
Tgt Ion:228 Resp: 329020
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 30.0 22.0 33.0



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.890 ng/ul
RT: 21.455 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:149 Resp: 59766
Ion Ratio Lower Upper
149 100
167 28.2 20.9 31.3
279 4.9 3.1 4.7#





#87

Chrysene

Concen: 20.317 ng/ul

RT: 21.549 min Scan# 31

Delta R.T. -0.059 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_P

ClientSampleId :

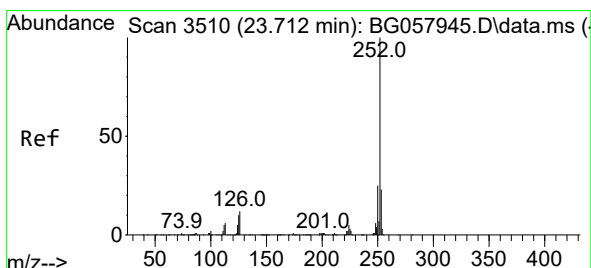
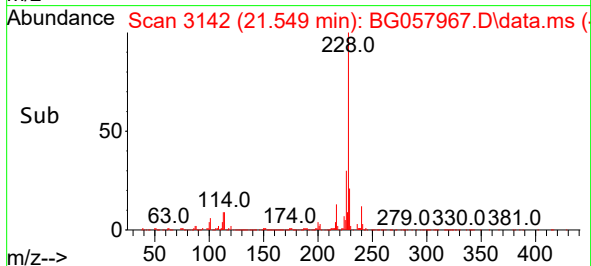
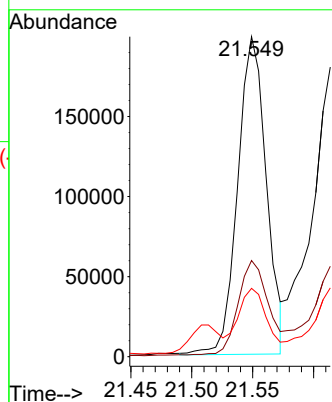
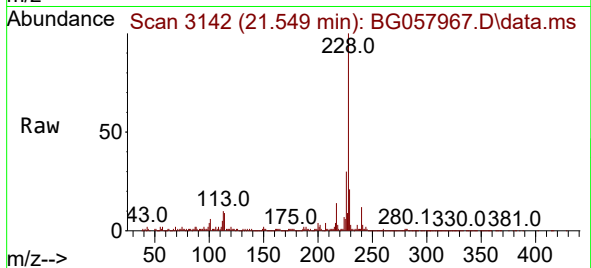
Tgt Ion:228 Resp: 325039

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 21.4 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 26.918 ng/ul

RT: 23.729 min Scan# 3513

Delta R.T. 0.018 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

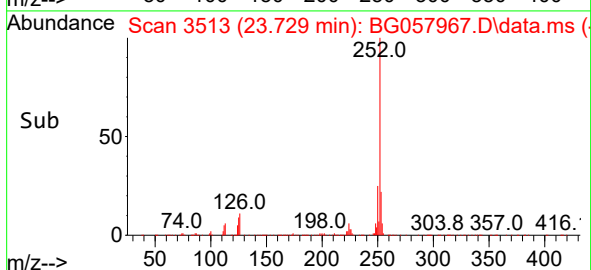
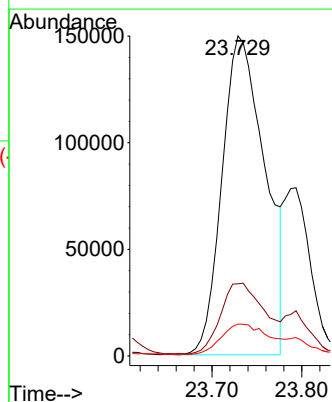
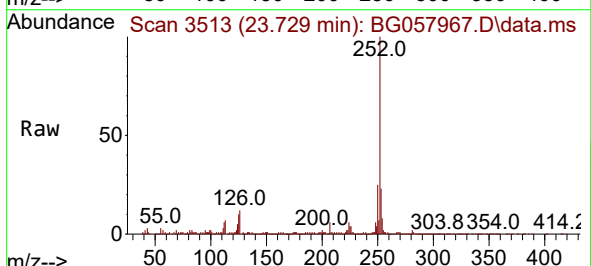
Tgt Ion:252 Resp: 497748

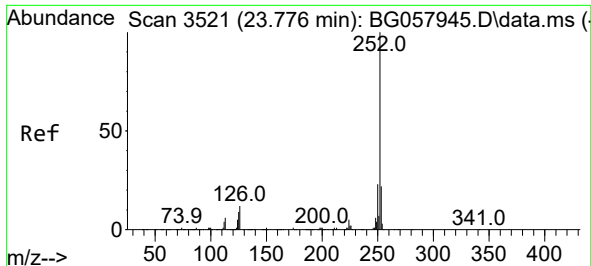
Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

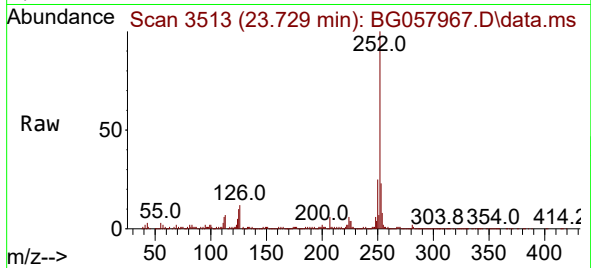
125 10.0 7.5 11.3



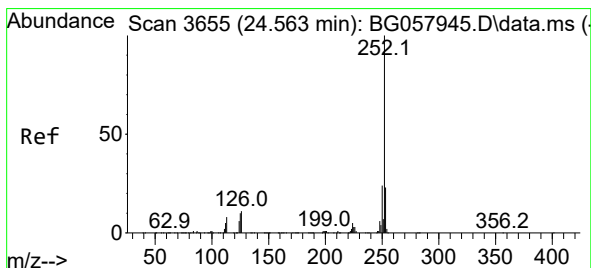
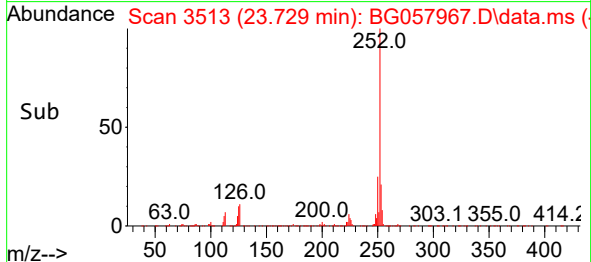
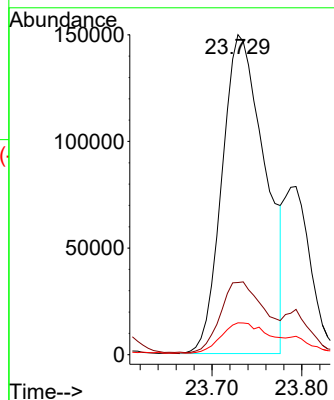


#91
Benzo(k)fluoranthene
Concen: 27.463 ng/u1
RT: 23.729 min Scan# 3513
Delta R.T. -0.047 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Instrument :
BNA_P
ClientSampleId :

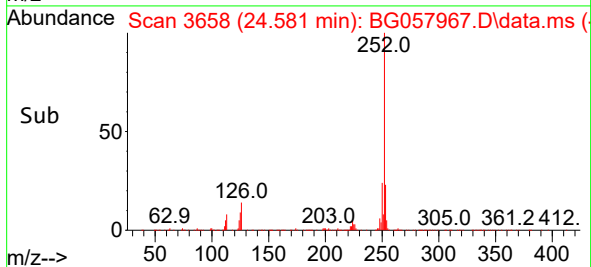
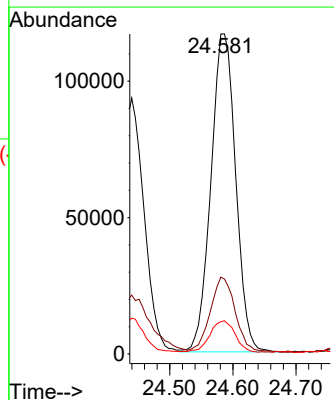
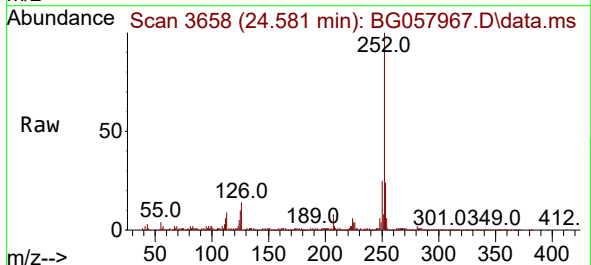


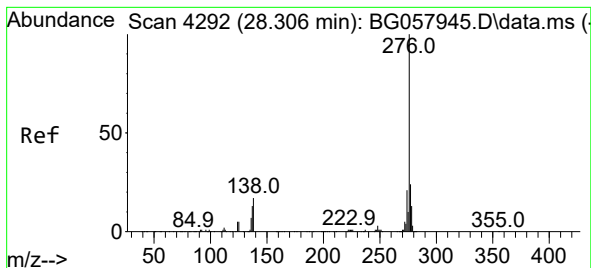
Tgt Ion:252 Resp: 497748
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.0 7.4 11.2



#93
Benzo(a)pyrene
Concen: 19.438 ng/u1
RT: 24.581 min Scan# 3658
Delta R.T. 0.012 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:252 Resp: 318127
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 10.1 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.232 ng/ul

RT: 28.335 min Scan# 4304

Delta R.T. 0.030 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_P

ClientSampleId :

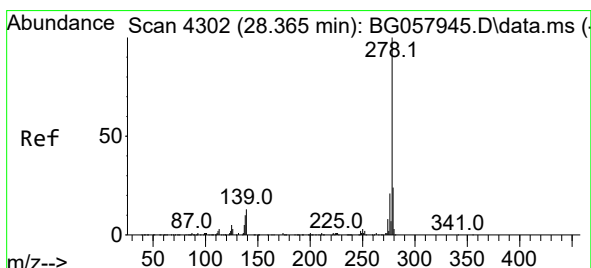
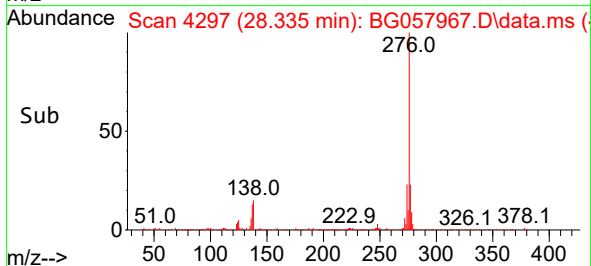
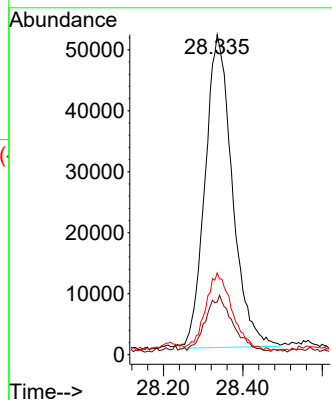
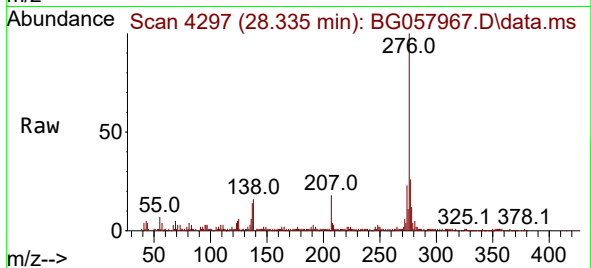
Tgt Ion:276 Resp: 244107

Ion Ratio Lower Upper

276 100

138 16.4 14.0 21.0

277 25.6 19.4 29.2



#95

Dibenzo(a,h)anthracene

Concen: 1.867 ng/ul

RT: 28.376 min Scan# 4304

Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

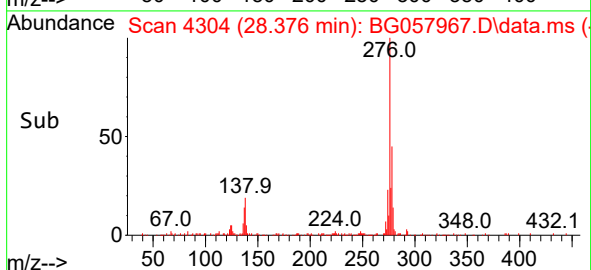
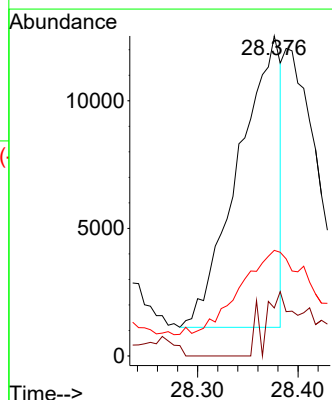
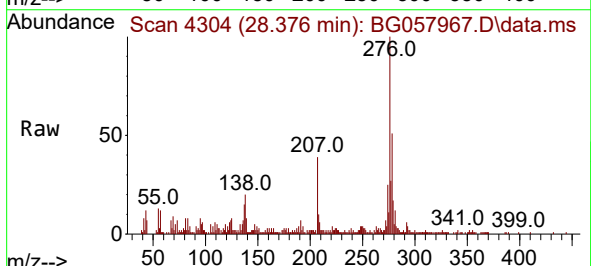
Tgt Ion:278 Resp: 33465

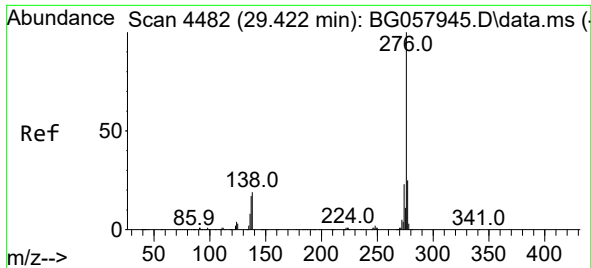
Ion Ratio Lower Upper

278 100

139 15.0 11.3 16.9

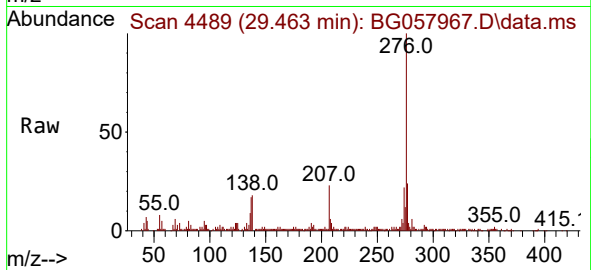
279 33.0 18.9 28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 11.492 ng/ul
 RT: 29.463 min Scan# 4489
 Delta R.T. 0.035 min
 Lab File: BG057967.D
 Acq: 3 Jul 2023 23:20

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:276 Resp: 204007

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.2	21.2
277	23.7	18.6	27.8

