

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063871.D
 Acq On : 27 Dec 2024 16:48
 Operator : RC/JU
 Sample : P5265-18
 Misc : GCMS CONFIRMATION
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2903

Quant Time: Dec 27 23:31:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 00:44:39 2024
 Response via : Initial Calibration

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

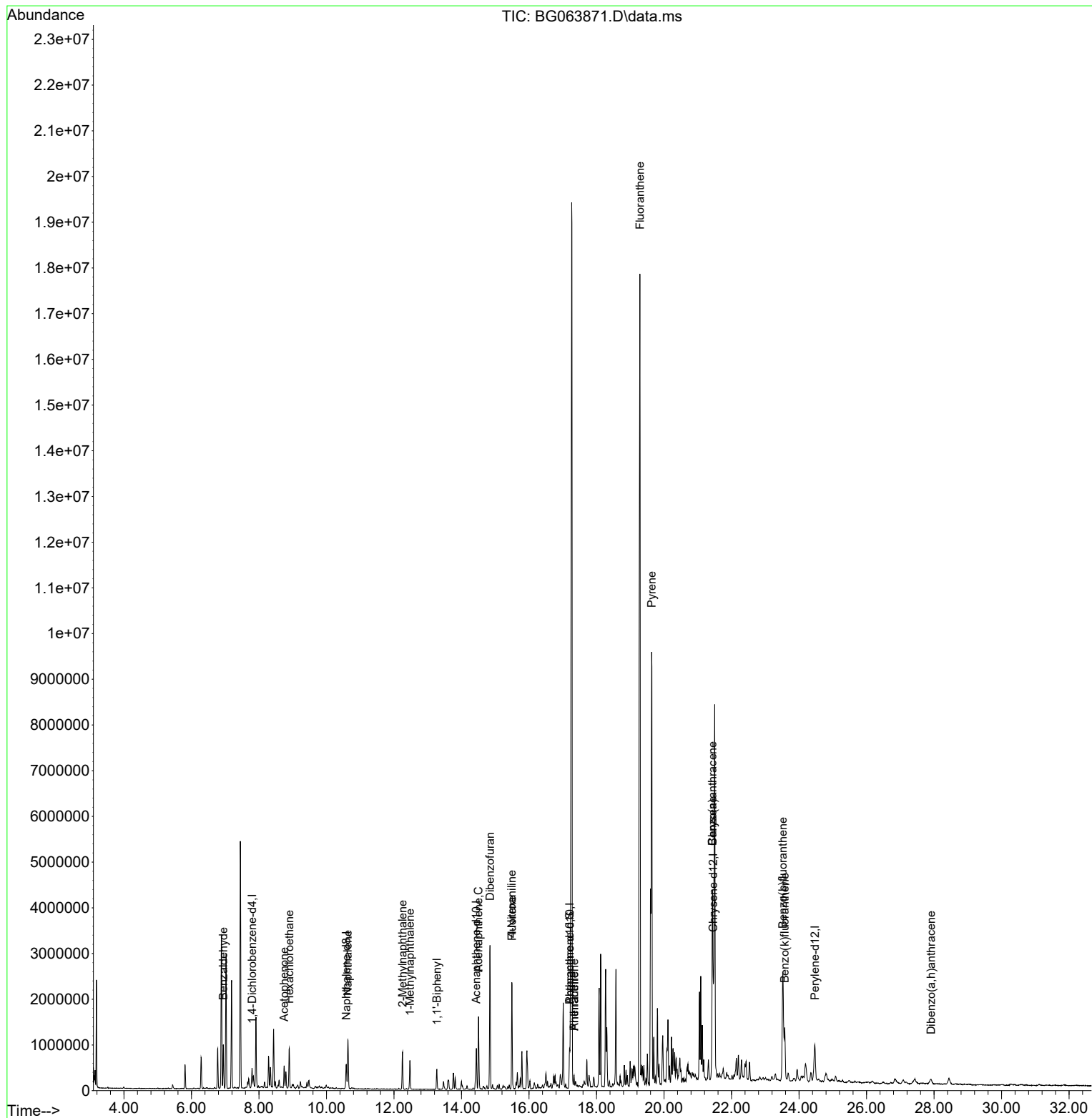
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	116367	20.000	ng/ul	0.00
20) Naphthalene-d8	10.584	136	435339	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.438	164	300500	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.200	188	671313	20.000	ng/ul	0.01
79) Chrysene-d12	21.454	240	745681	20.000	ng/ul	0.02
88) Perylene-d12	24.468	264	802899	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	94	0.032	ng/uL	-0.08
4) Pyridine-d5	3.669	84	249	0.027	ng/ul	0.00
7) Phenol-d5	6.959	99	432	0.040	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	7.117	67	482	0.065	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.452	132	141	0.020	ng/ul	0.12
15) 4-Methylphenol-d8	8.539	113	182	0.022	ng/ul	0.02
21) Nitrobenzene-d5	8.962	128	279	0.090	ng/ul	0.01
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0	0.000	ng/ul	
31) 4-Chloroaniline-d4	10.696	131	1762	0.206	ng/ul	-0.03
46) Dimethylphthalate-d6	13.827	166	479	0.023	ng/ul	-0.02
49) Acenaphthylene-d8	0.000	160	0	0.000	ng/ul	
54) 4-Nitrophenol-d4	14.638	143	186	0.064	ng/ul	-0.03
60) Fluorene-d10	15.425	176	152	0.008	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.602	200	100	0.029	ng/ul	0.03
73) Anthracene-d10	17.200	188	671313	23.259	ng/ul	-0.09
81) Pyrene-d10	19.603	212	1006	0.026	ng/ul	0.02
92) Benzo(a)pyrene-d12	24.262	264	755	0.020	ng/ul	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.941	77	72918	11.092	ng/ul#	1
16) Acetophenone	8.745	105	40091	2.841	ng/ul	84
19) Hexachloroethane	8.898	117	45310	13.130	ng/ul#	3
30) Naphthalene	10.631	128	849049	39.009	ng/ul	99
36) 2-Methylnaphthalene	12.253	142	392002	25.059	ng/ul	99
37) 1-Methylnaphthalene	12.470	142	287972	18.073	ng/ul	97
43) 1,1'-Biphenyl	13.269	154	227158	11.463	ng/ul	92
52) Acenaphthene	14.503	153	623123	35.175	ng/ul	97
56) Dibenzofuran	14.844	168	2033757	81.432	ng/ul	100
61) Fluorene	15.496	166	1022339	51.264	ng/ul	97
63) 4-Nitroaniline	15.490	138	10108	2.869	ng/ul#	14
72) Phenanthrene	17.335	178	162134	5.012	ng/ul	98
74) Anthracene	17.335	178	162134	4.952	ng/ul	99
80) Fluoranthene	19.286	202	10636907	241.179	ng/ul#	70
82) Pyrene	19.632	202	6122620	130.482	ng/ul#	84
85) Benzo(a)anthracene	21.436	228	2665345	57.034	ng/ul	98
87) Chrysene	21.436	228	2665345	59.841	ng/ul	96
90) Benzo(b)fluoranthene	23.516	252	2703256	59.239	ng/ul	99
91) Benzo(k)fluoranthene	23.575	252	717412	15.761	ng/ul	99
95) Dibenzo(a,h)anthracene	27.911	278	117937	2.818	ng/ul	99

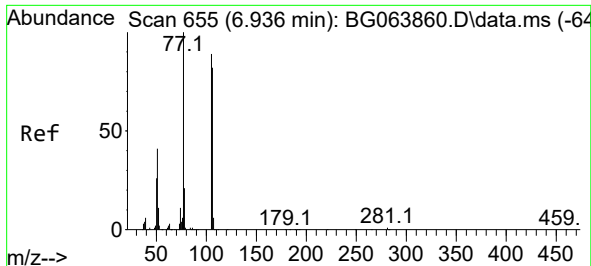
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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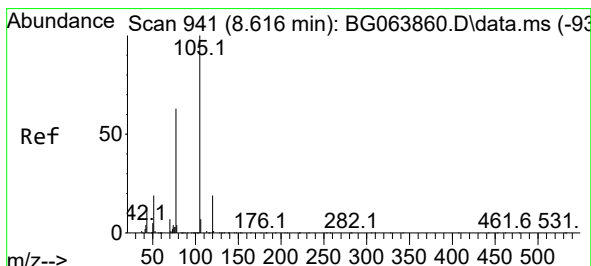
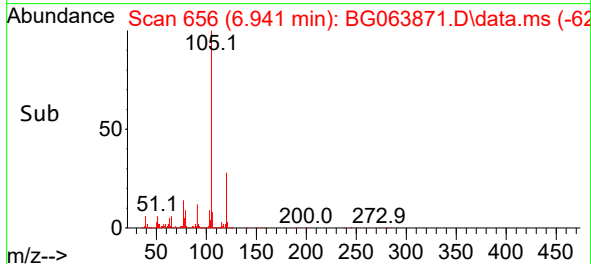
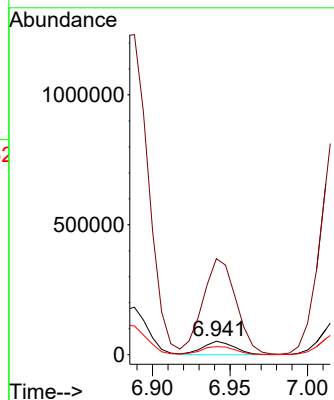
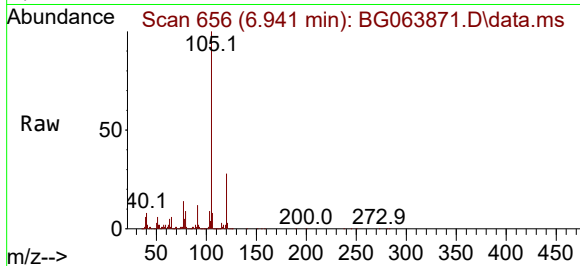




#6
Benzaldehyde
Concen: 11.092 ng/ul
RT: 6.941 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

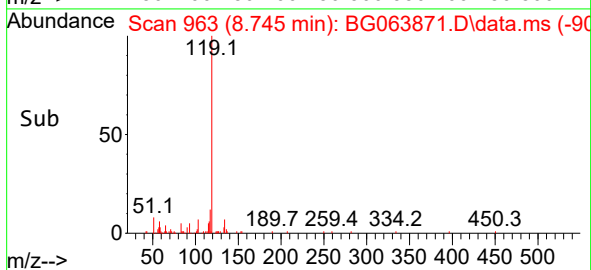
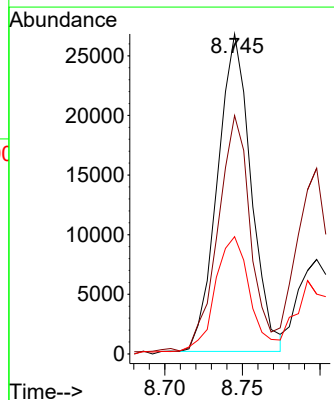
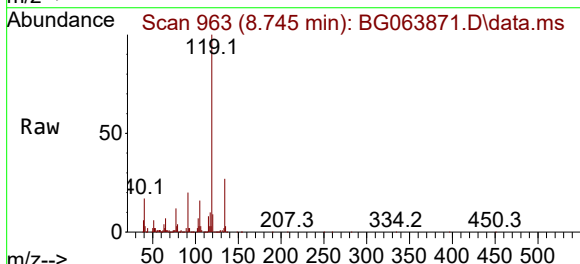
Instrument :
BNA_G
ClientSampleId :
E2903

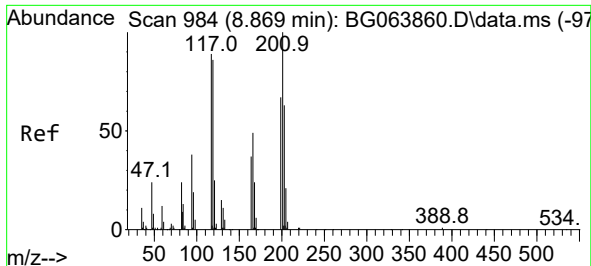
Tgt Ion: 77 Resp: 72918
Ion Ratio Lower Upper
77 100
105 715.0 65.2 97.8#
106 59.5 61.0 91.4#



#16
Acetophenone
Concen: 2.841 ng/ul
RT: 8.745 min Scan# 963
Delta R.T. 0.129 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion: 105 Resp: 40091
Ion Ratio Lower Upper
105 100
77 74.5 73.6 110.4
51 36.6 25.4 38.2

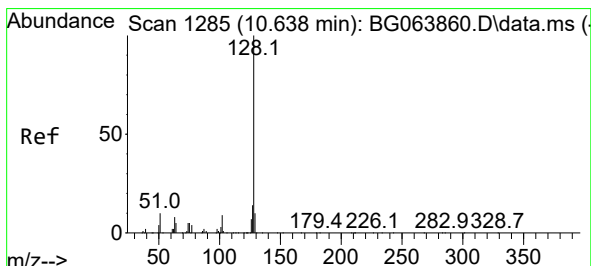
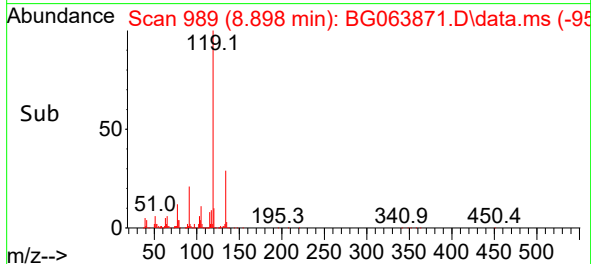
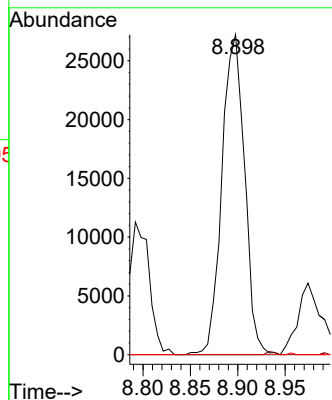
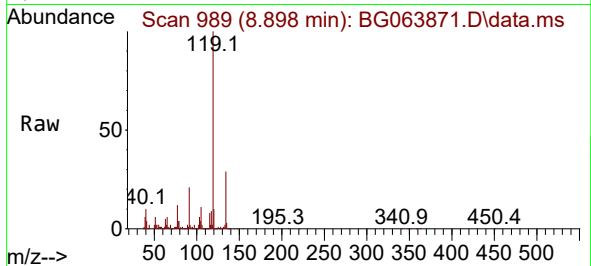




#19
Hexachloroethane
Concen: 13.130 ng/ul
RT: 8.898 min Scan# 91
Delta R.T. 0.029 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

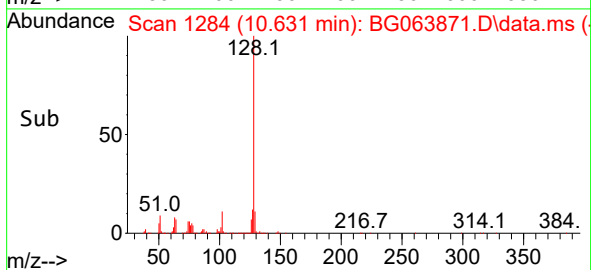
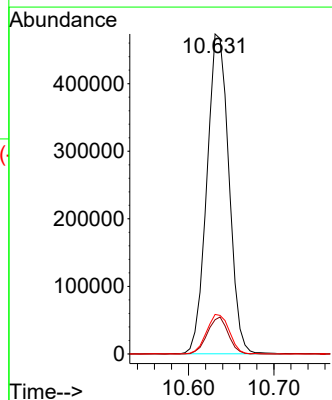
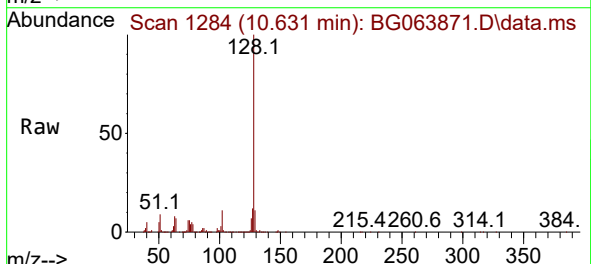
Instrument :
BNA_G
ClientSampleId :
E2903

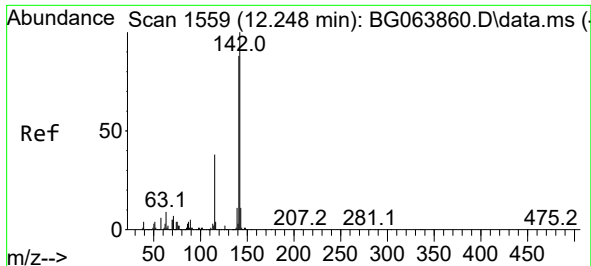
Tgt Ion:117 Resp: 45310
Ion Ratio Lower Upper
117 100
201 0.0 86.8 130.2#
199 0.0 59.4 89.2#



#30
Naphthalene
Concen: 39.009 ng/ul
RT: 10.631 min Scan# 1284
Delta R.T. -0.007 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion:128 Resp: 849049
Ion Ratio Lower Upper
128 100
129 10.7 8.2 12.2
127 12.4 9.8 14.8

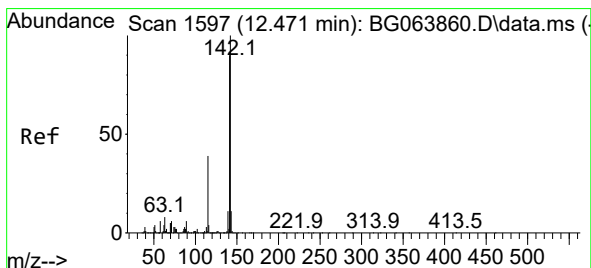
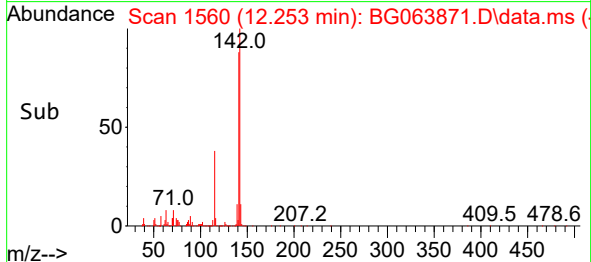
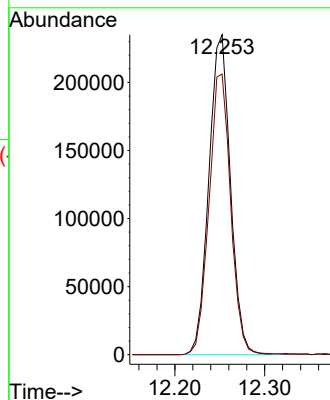
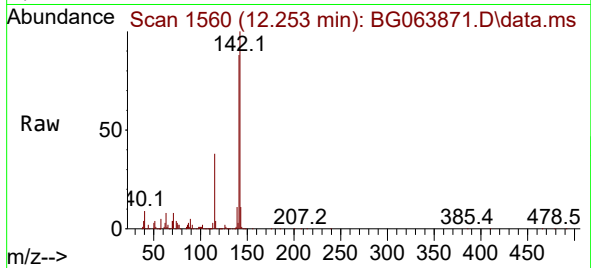




#36
2-Methylnaphthalene
Concen: 25.059 ng/ul
RT: 12.253 min Scan# 1560
Delta R.T. -0.001 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

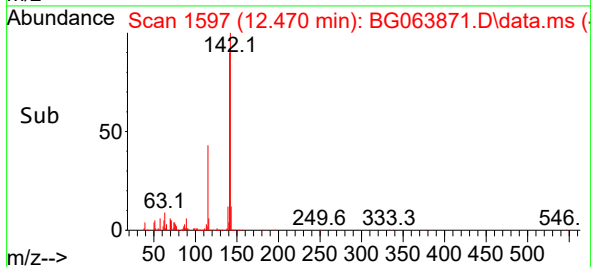
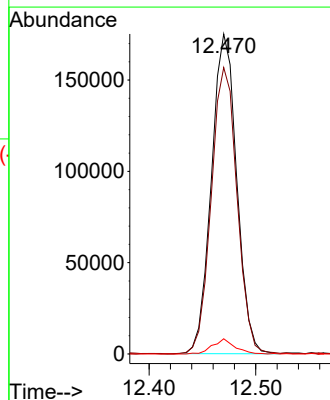
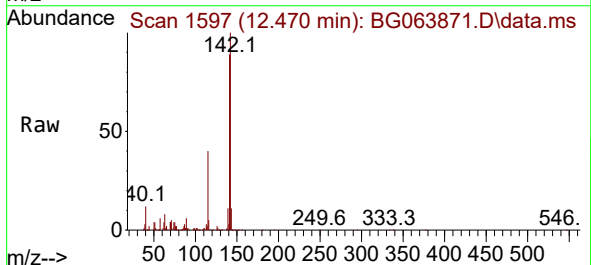
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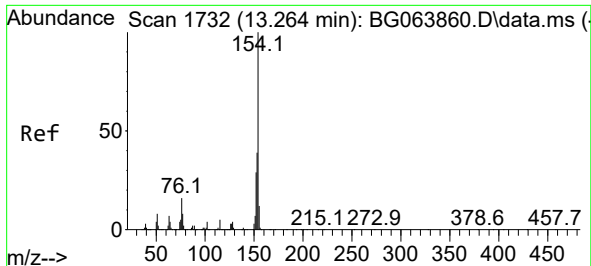
Tgt Ion:142 Resp: 392002
Ion Ratio Lower Upper
142 100
141 87.7 69.5 104.3



#37
1-Methylnaphthalene
Concen: 18.073 ng/ul
RT: 12.470 min Scan# 1597
Delta R.T. -0.001 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion:142 Resp: 287972
Ion Ratio Lower Upper
142 100
141 89.5 73.8 110.6
116 4.7 3.5 5.3

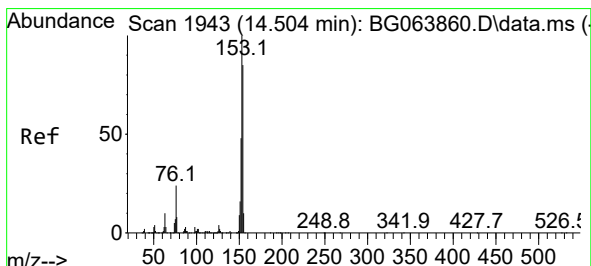
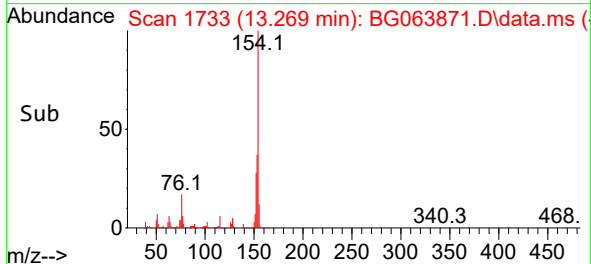
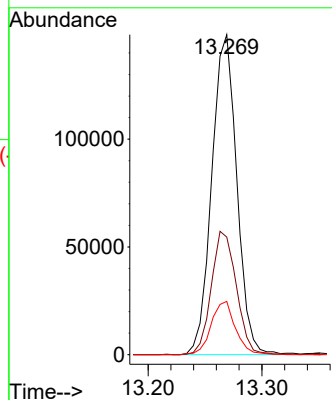
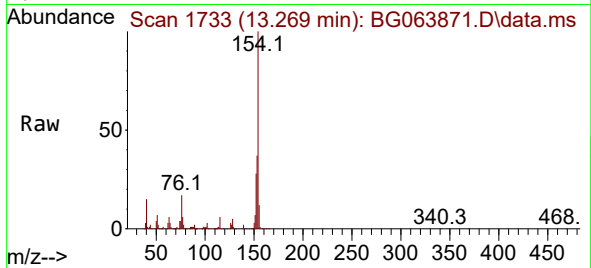




#43
1,1'-Biphenyl
Concen: 11.463 ng/ul
RT: 13.269 min Scan# 1733
Delta R.T. 0.005 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

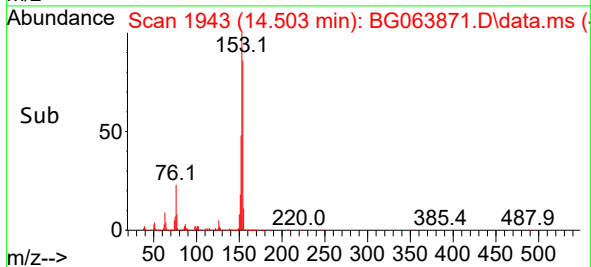
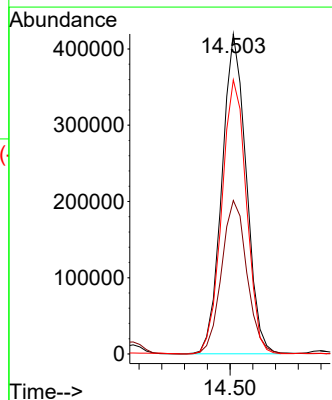
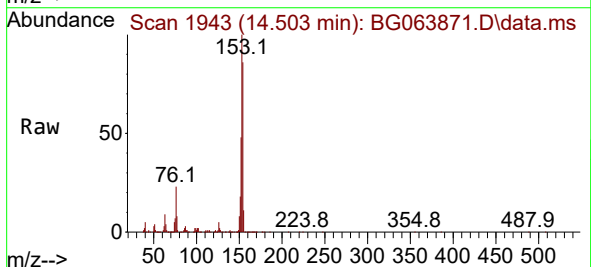
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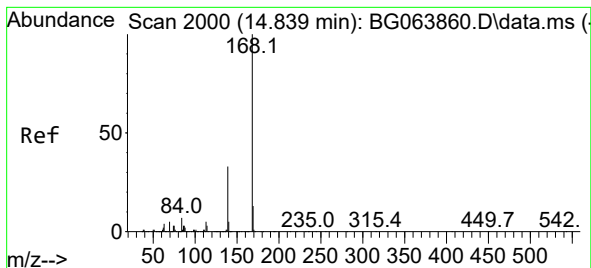
Tgt Ion:154 Resp: 227158
Ion Ratio Lower Upper
154 100
153 36.7 35.1 52.7
76 16.7 13.4 20.2



#52
Acenaphthene
Concen: 35.175 ng/ul
RT: 14.503 min Scan# 1943
Delta R.T. -0.001 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion:153 Resp: 623123
Ion Ratio Lower Upper
153 100
152 48.0 40.2 60.4
154 85.6 70.8 106.2

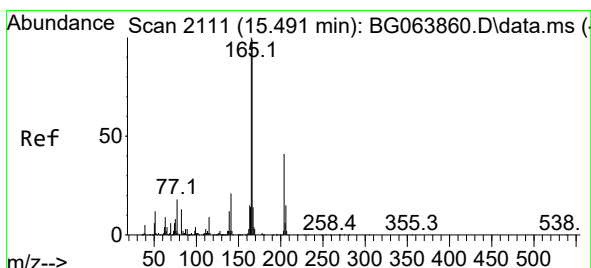
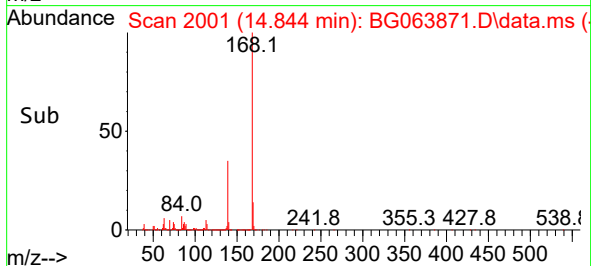
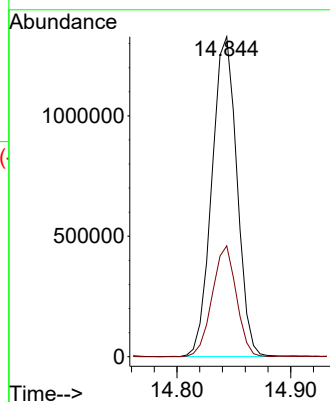
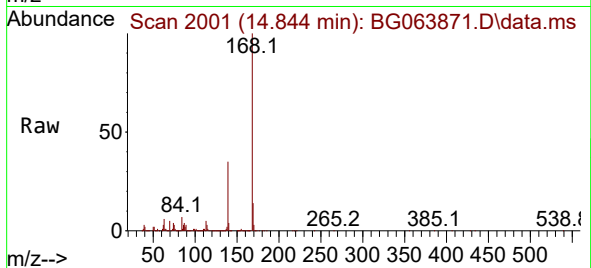




#56
Dibenzofuran
Concen: 81.432 ng/ul
RT: 14.844 min Scan# 20
Delta R.T. 0.005 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

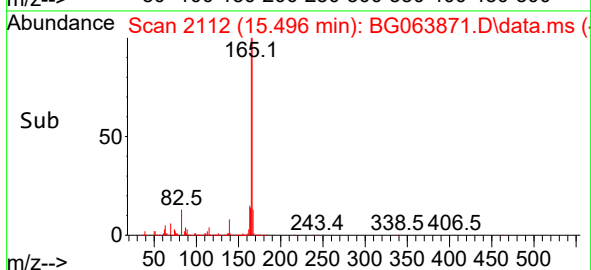
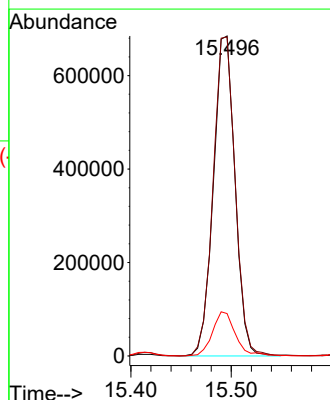
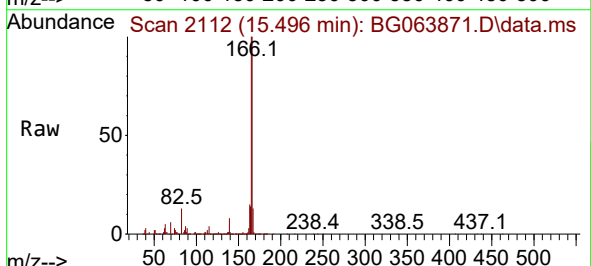
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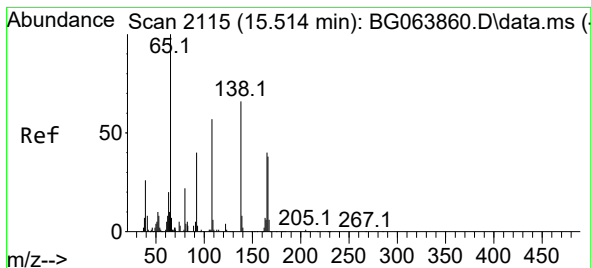
Tgt Ion:168 Resp: 2033757
Ion Ratio Lower Upper
168 100
139 34.7 27.8 41.8



#61
Fluorene
Concen: 51.264 ng/ul
RT: 15.496 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion:166 Resp: 1022339
Ion Ratio Lower Upper
166 100
165 99.7 81.9 122.9
167 13.2 11.4 17.0

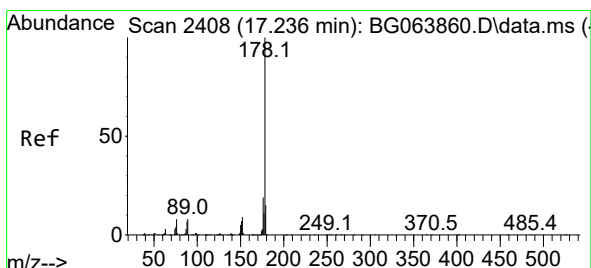
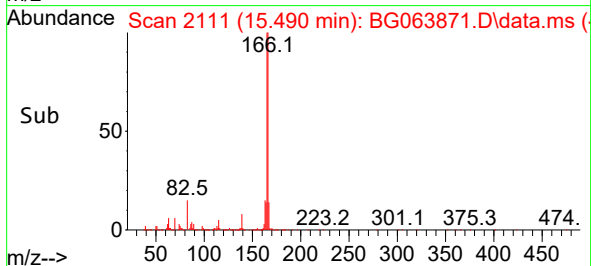
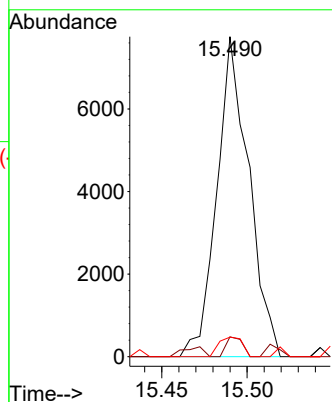
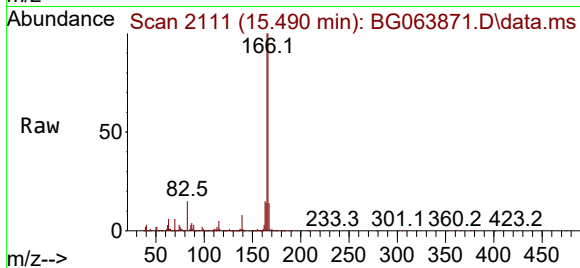




#63
4-Nitroaniline
Concen: 2.869 ng/ul
RT: 15.490 min Scan# 2111
Delta R.T. -0.024 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

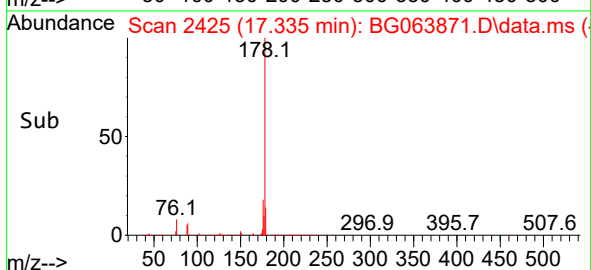
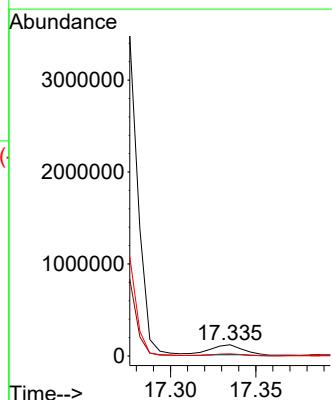
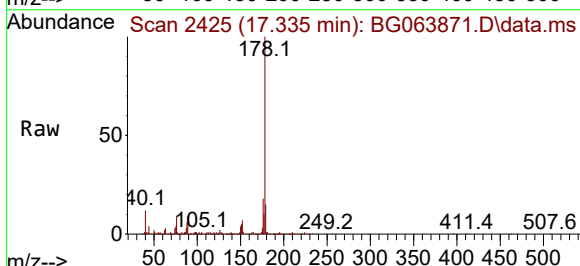
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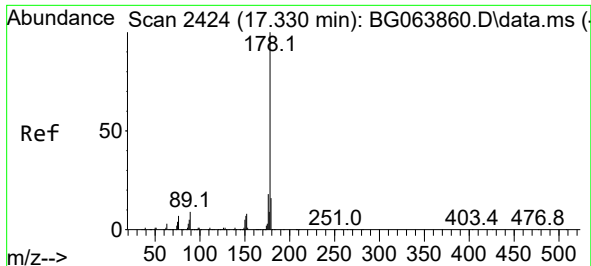
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Ion Ratio Lower Upper
138 100
92 6.2 53.2 79.8#
108 6.1 79.4 119.0#



#72
Phenanthrene
Concen: 5.012 ng/ul
RT: 17.335 min Scan# 2425
Delta R.T. 0.105 min
Lab File: BG063871.D
Acq: 27 Dec 2024 16:48

Tgt Ion:178 Resp: 162134
Ion Ratio Lower Upper
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179 14.8 12.2 18.2
176 18.4 15.8 23.6

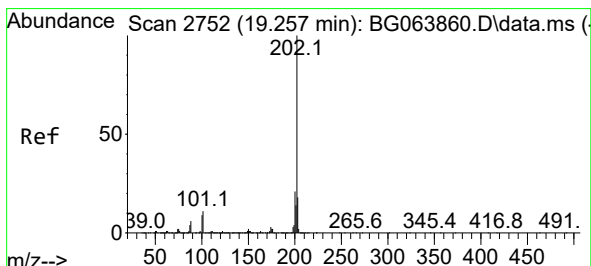
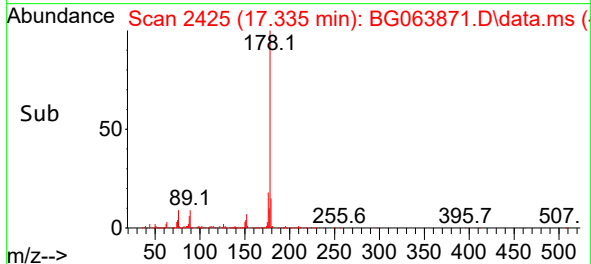
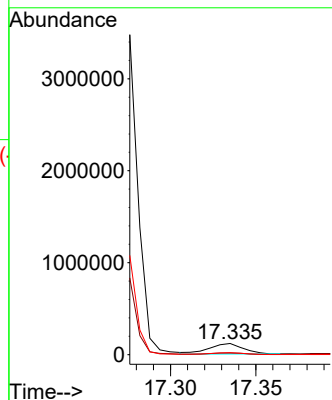
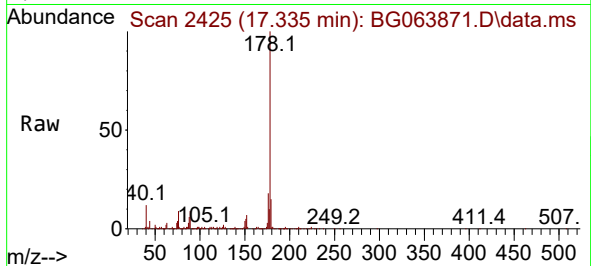




#74
 Anthracene
 Concen: 4.952 ng/ul
 RT: 17.335 min Scan# 2424
 Delta R.T. 0.011 min
 Lab File: BG063871.D
 Acq: 27 Dec 2024 16:48

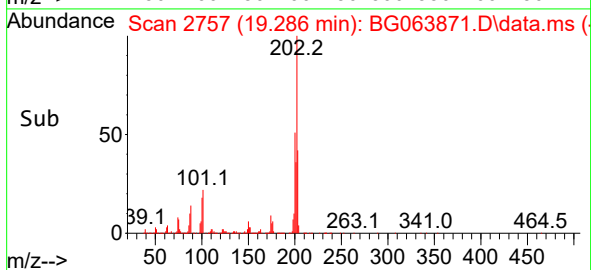
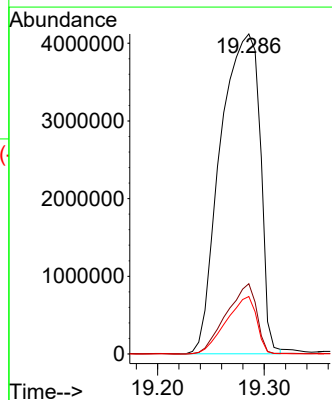
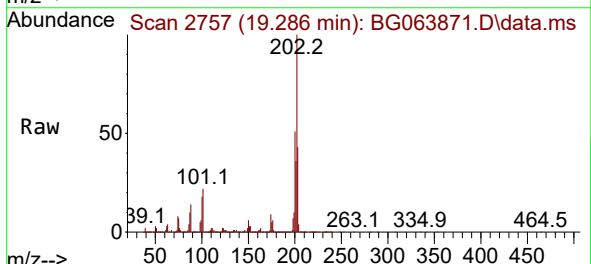
Instrument :
 BNA_G
 ClientSampleId :
 E2903

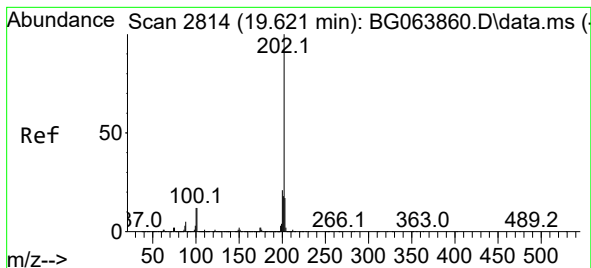
Tgt Ion:178 Resp: 162134
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.4 18.6
 176 18.4 14.4 21.6



#80
 Fluoranthene
 Concen: 241.179 ng/ul
 RT: 19.286 min Scan# 2757
 Delta R.T. 0.035 min
 Lab File: BG063871.D
 Acq: 27 Dec 2024 16:48

Tgt Ion:202 Resp:10636907
 Ion Ratio Lower Upper
 202 100
 101 22.0 8.1 12.1#
 100 18.0 6.5 9.7#





#82

Pyrene

Concen: 130.482 ng/ul

RT: 19.632 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

Instrument :

BNA_G

ClientSampleId :

E2903

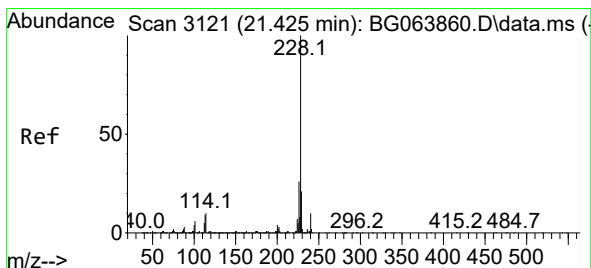
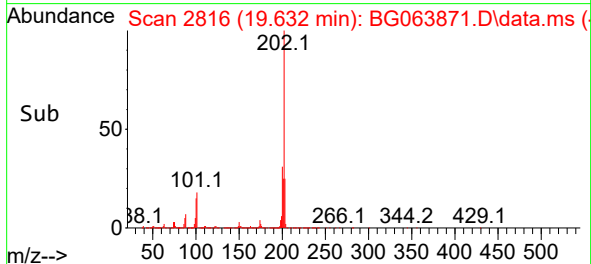
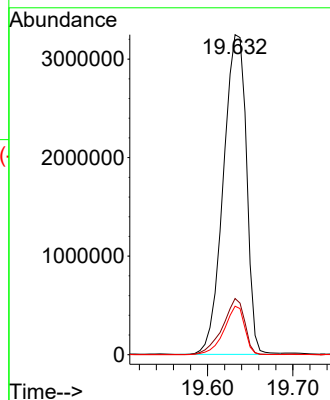
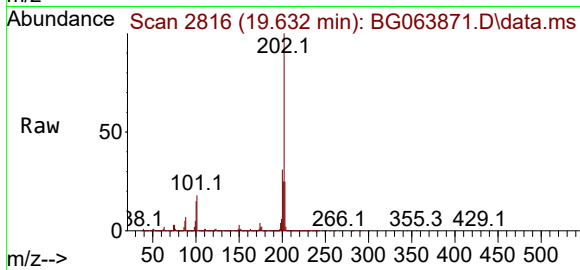
Tgt Ion:202 Resp: 6122620

Ion Ratio Lower Upper

202 100

101 17.6 8.7 13.1#

100 15.1 7.8 11.6#



#85

Benzo(a)anthracene

Concen: 57.034 ng/ul

RT: 21.436 min Scan# 3123

Delta R.T. 0.017 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

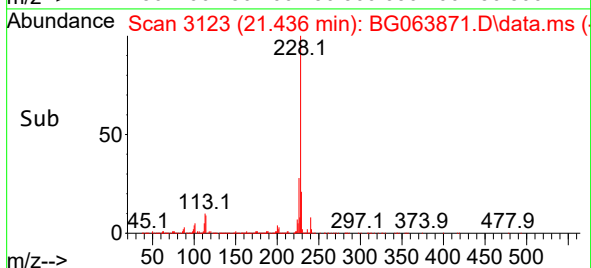
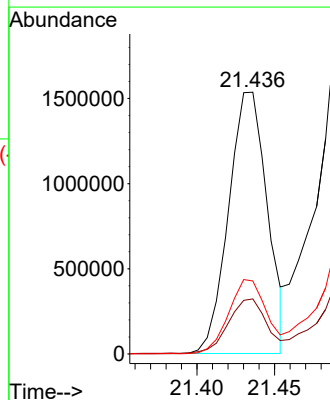
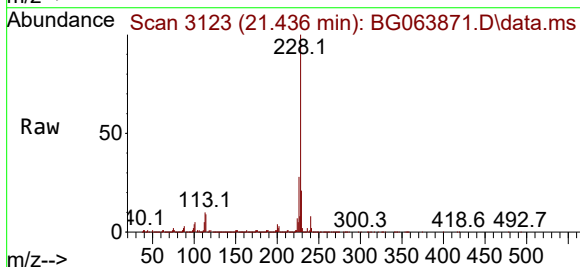
Tgt Ion:228 Resp: 2665345

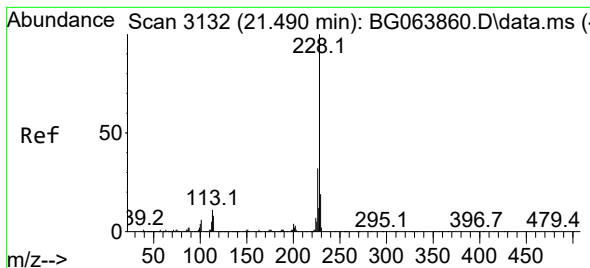
Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

226 27.9 22.0 33.0





#87

Chrysene

Concen: 59.841 ng/ul

RT: 21.436 min Scan# 31

Delta R.T. -0.048 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

Instrument :

BNA_G

ClientSampleId :

E2903

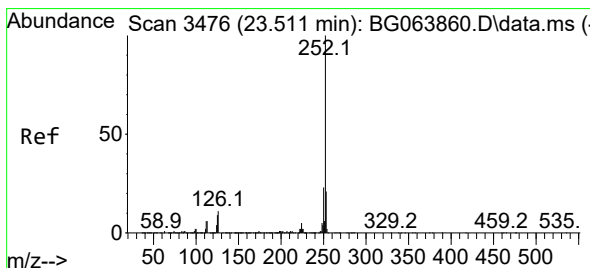
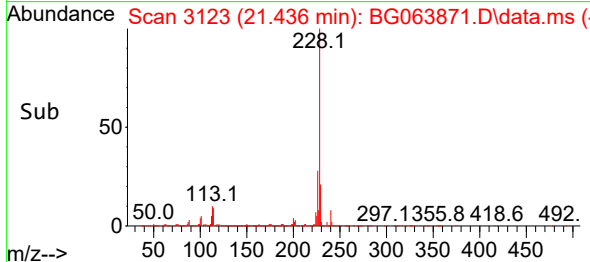
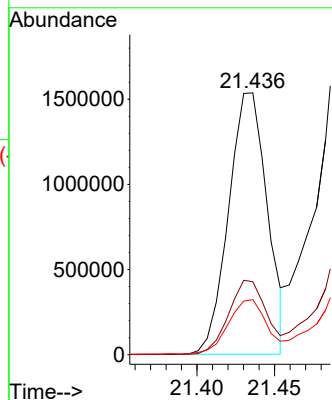
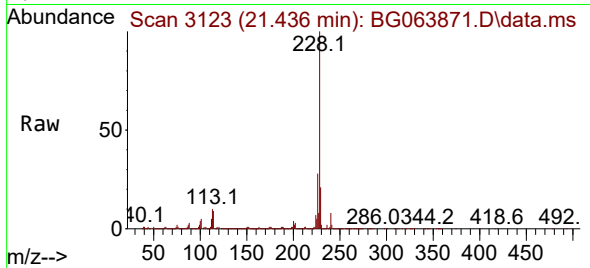
Tgt Ion:228 Resp: 2665345

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.0

229 21.0 14.8 22.2



#90

Benzo(b)fluoranthene

Concen: 59.239 ng/ul

RT: 23.516 min Scan# 3477

Delta R.T. 0.017 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

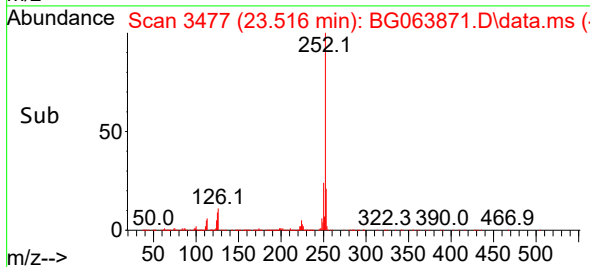
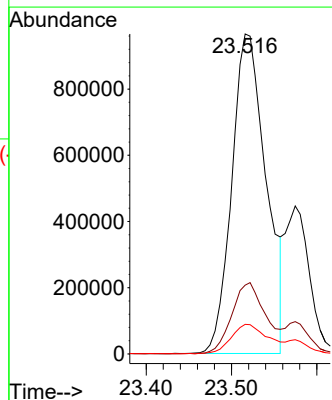
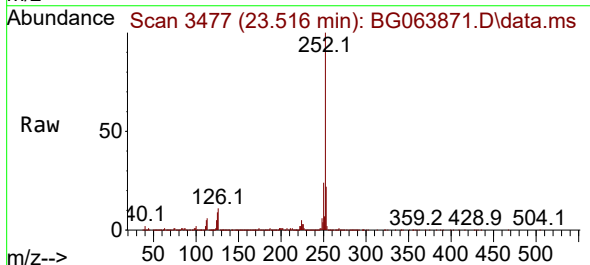
Tgt Ion:252 Resp: 2703256

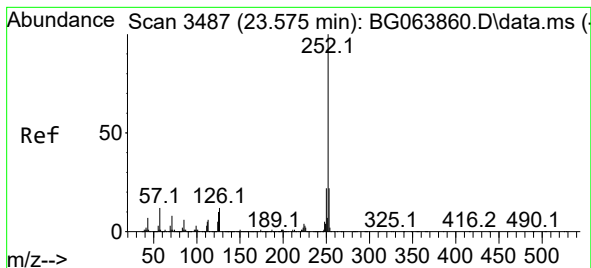
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 9.3 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 15.761 ng/ul

RT: 23.575 min Scan# 3487

Delta R.T. 0.017 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

Instrument :

BNA_G

ClientSampleId :

E2903

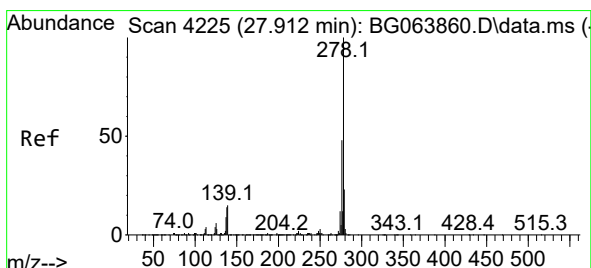
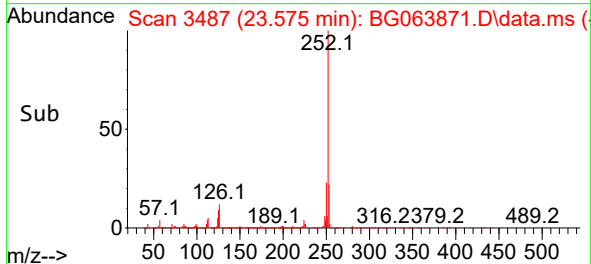
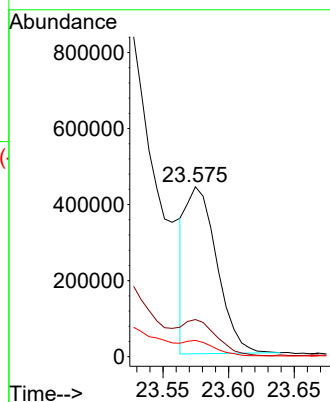
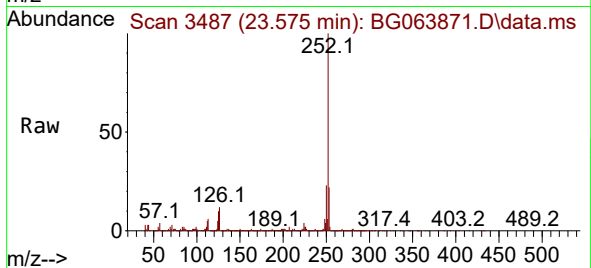
Tgt Ion:252 Resp: 717412

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.6 6.5 9.7



#95

Dibenzo(a,h)anthracene

Concen: 2.818 ng/ul

RT: 27.911 min Scan# 4225

Delta R.T. 0.023 min

Lab File: BG063871.D

Acq: 27 Dec 2024 16:48

Tgt Ion:278 Resp: 117937

Ion Ratio Lower Upper

278 100

139 13.0 9.7 14.5

279 21.9 17.3 25.9

