

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122322\
 Data File : BG056087.D
 Acq On : 23 Dec 2022 20:36
 Operator : CG/JU
 Sample : N6088-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-27-5B02

Quant Time: Dec 24 00:09:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:09:54 2022
 Response via : Initial Calibration

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

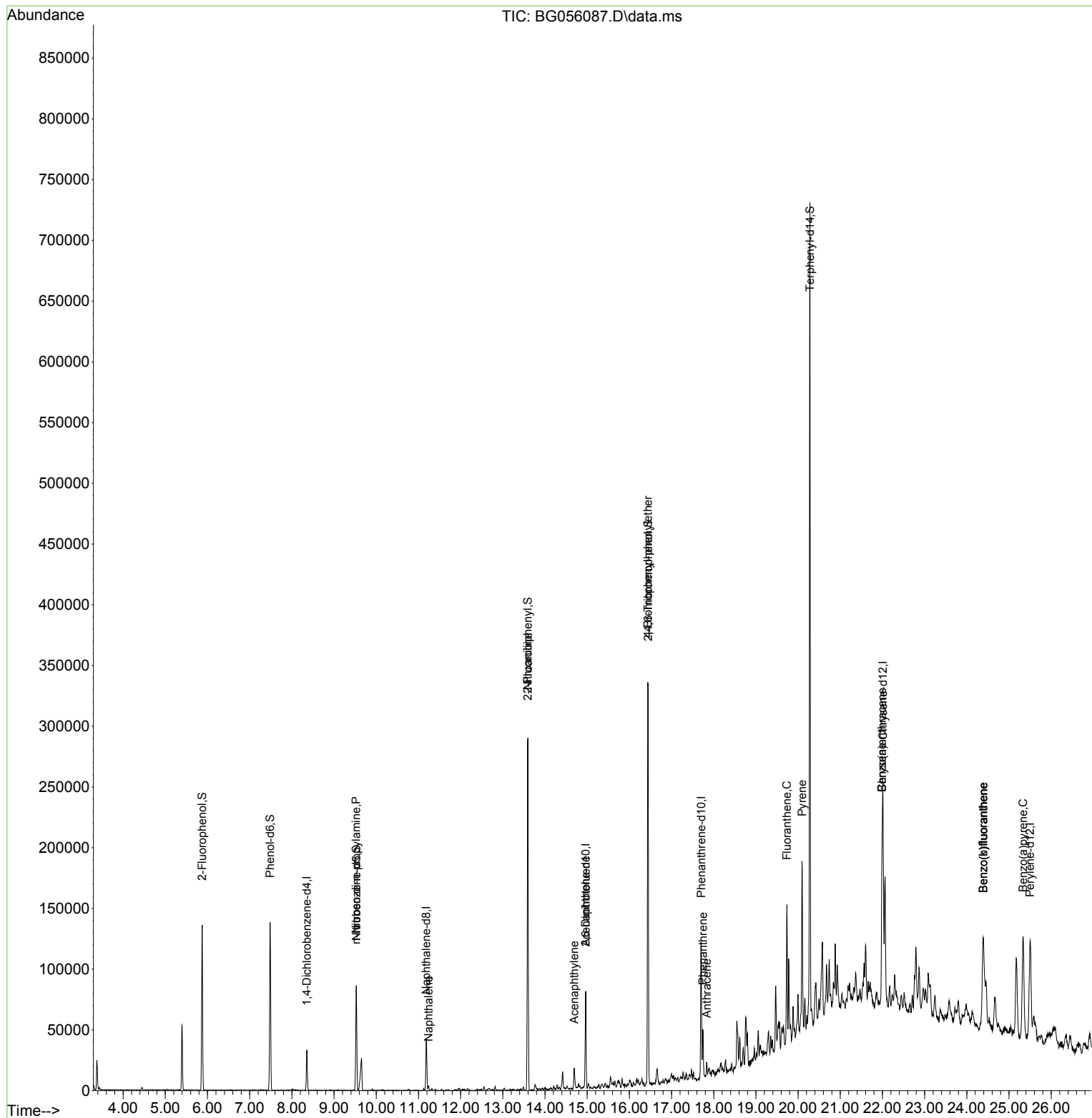
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.353	152	9969	20.000	ng	0.00
21) Naphthalene-d8	11.185	136	37172	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	30732	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	79571	20.000	ng	0.00
76) Chrysene-d12	22.008	240	86571	20.000	ng	0.00
86) Perylene-d12	25.498	264	110855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.874	112	54216	127.542	ng	0.00
7) Phenol-d6	7.484	99	66250	121.178	ng	0.00
23) Nitrobenzene-d5	9.528	82	46557	87.526	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	87334	117.853	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	161581	73.739	ng	0.00
79) Terphenyl-d14	20.280	244	362031	73.910	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.523	70	7028	17.934	ng	# 67
31) Naphthalene	11.238	128	4138	2.110	ng	99
48) 2-Nitroaniline	13.588	65	188	3.345	ng	# 1
49) Acenaphthylene	14.693	152	16369	6.059	ng	# 94
51) 2,6-Dinitrotoluene	14.963	165	4090	9.947	ng	# 25
67) 4-Bromophenyl-phenylether	16.438	248	4910	4.211	ng	# 1
71) Phenanthrene	17.742	178	28202	6.763	ng	99
72) Anthracene	17.830	178	10809	2.620	ng	97
75) Fluoranthene	19.734	202	76821	13.156	ng	99
78) Pyrene	20.092	202	92655	17.687	ng	98
81) Benzo(a)anthracene	21.990	228	84485	13.869	ng	# 89
83) Chrysene	21.990	228	84485	14.798	ng	90
88) Benzo(b)fluoranthene	24.387	252	122640	17.094	ng	96
89) Benzo(k)fluoranthene	24.387	252	122640	17.133	ng	98
90) Benzo(a)pyrene	25.333	252	108171	17.837	ng	# 97

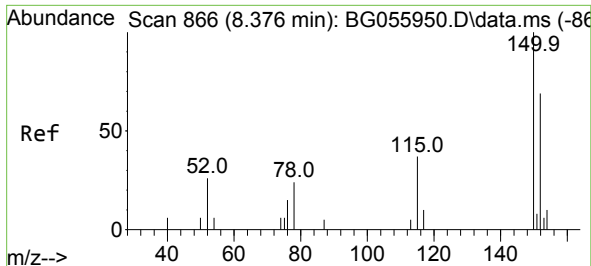
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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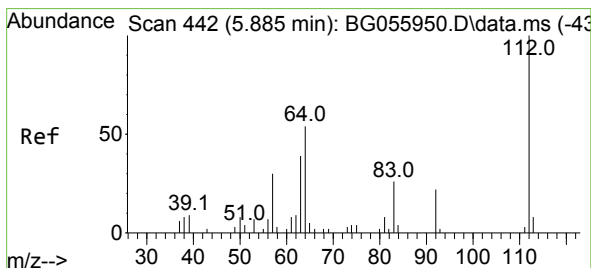
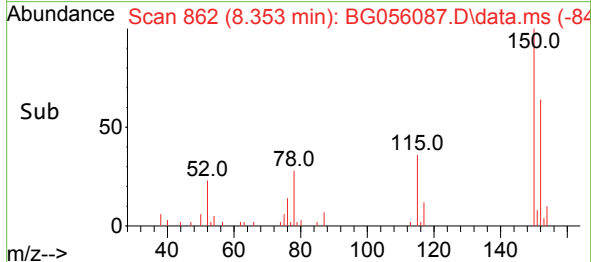
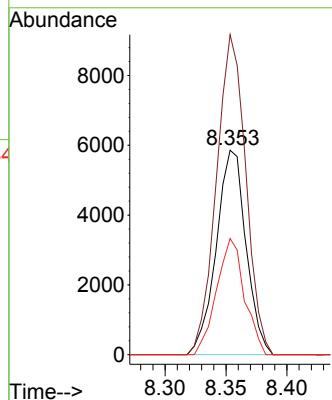
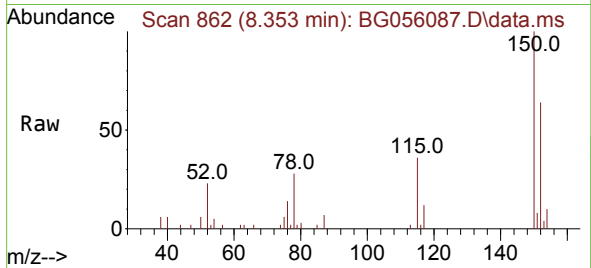




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.353 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

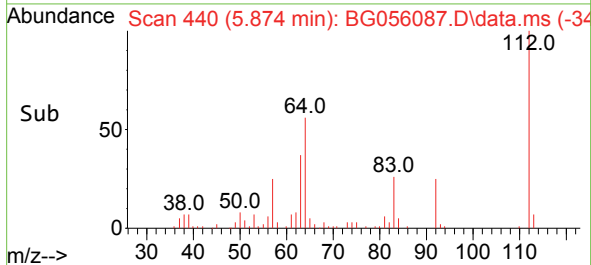
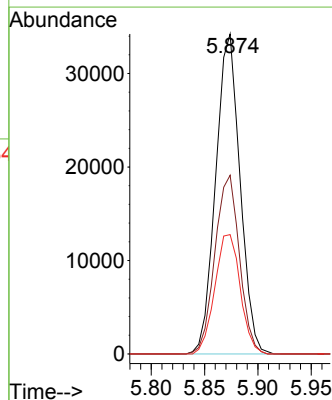
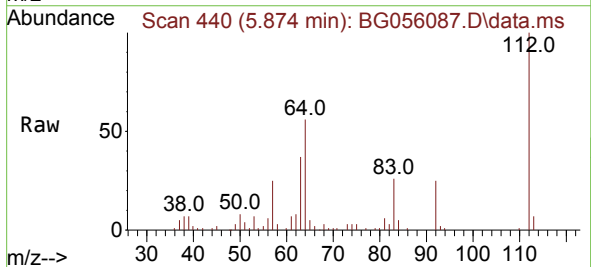
Instrument :
BNA_G
ClientSampleId :
B-27-5B02

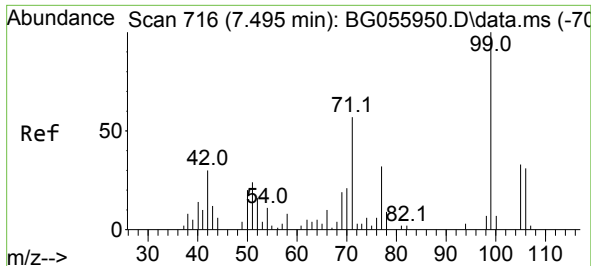
Tgt Ion:152 Resp: 9969
Ion Ratio Lower Upper
152 100
150 156.5 115.7 173.5
115 56.8 43.0 64.4



#5
2-Fluorophenol
Concen: 127.542 ng
RT: 5.874 min Scan# 440
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:112 Resp: 54216
Ion Ratio Lower Upper
112 100
64 55.9 43.0 64.4
63 37.3 31.4 47.2

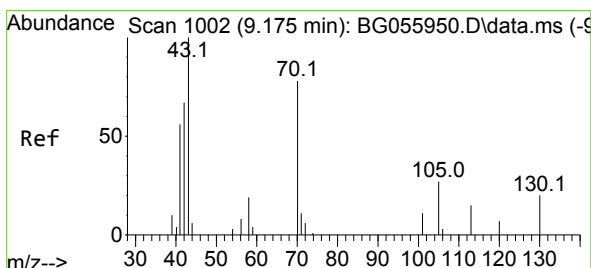
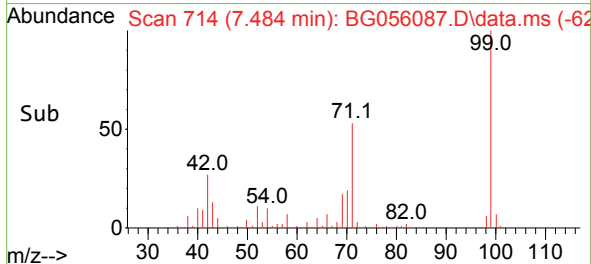
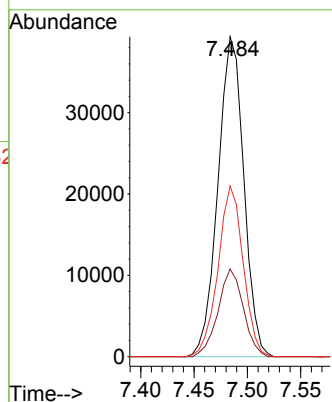
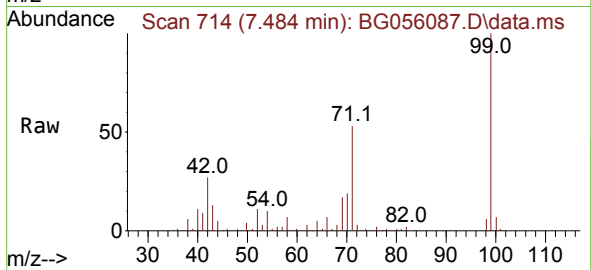




#7
Phenol-d6
Concen: 121.178 ng
RT: 7.484 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

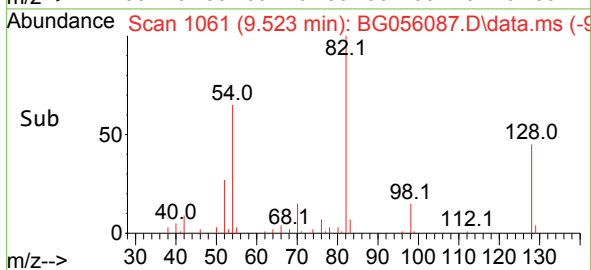
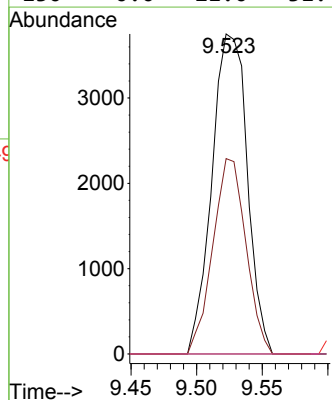
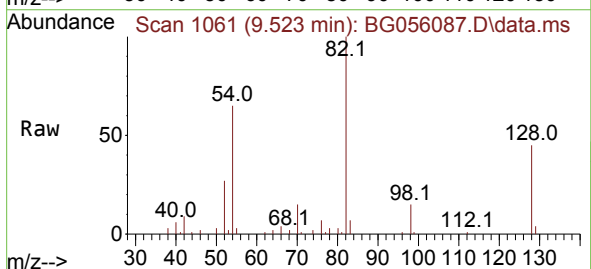
Instrument :
BNA_G
ClientSampleId :
B-27-5B02

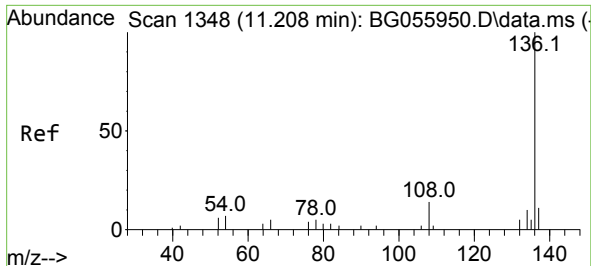
Tgt Ion: 99 Resp: 66250
Ion Ratio Lower Upper
99 100
42 27.4 24.3 36.5
71 53.3 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.934 ng
RT: 9.523 min Scan# 1061
Delta R.T. 0.365 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

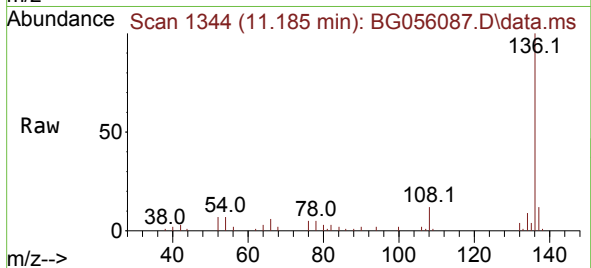
Tgt Ion: 70 Resp: 7028
Ion Ratio Lower Upper
70 100
42 61.0 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#



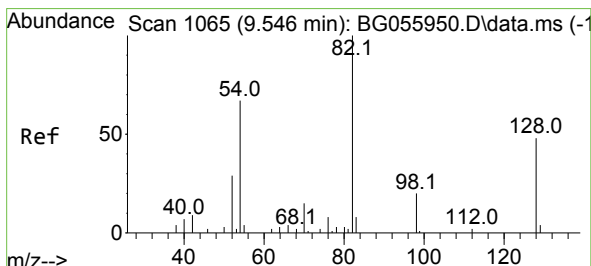
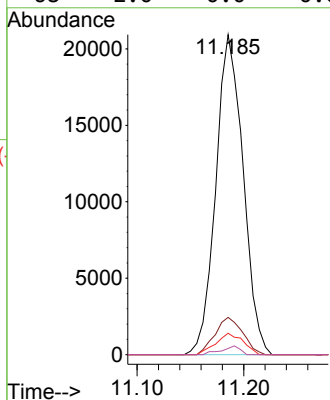
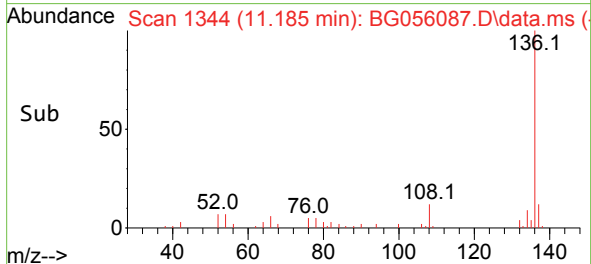


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

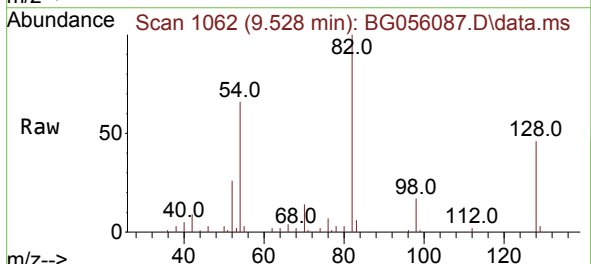
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



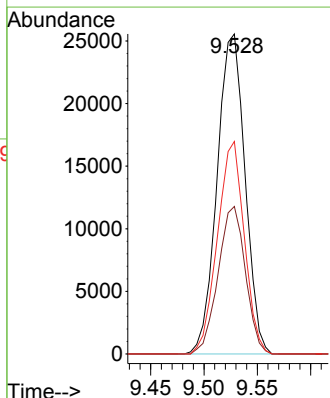
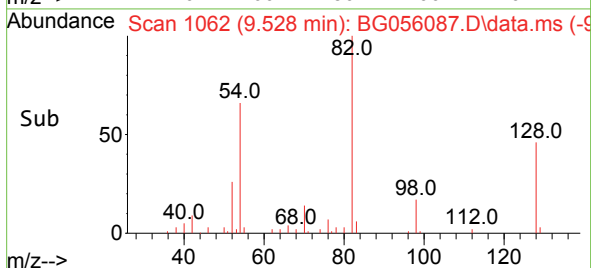
Tgt Ion:136 Resp: 37172
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 6.7 5.6 8.4
68 2.0 0.0 0.0#

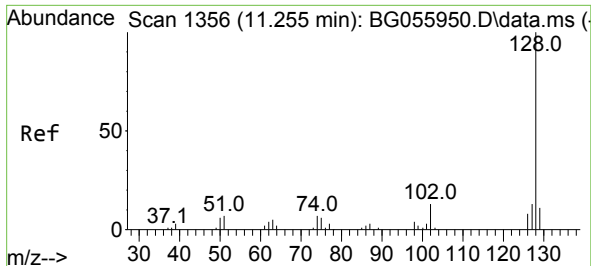


#23
Nitrobenzene-d5
Concen: 87.526 ng
RT: 9.528 min Scan# 1062
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



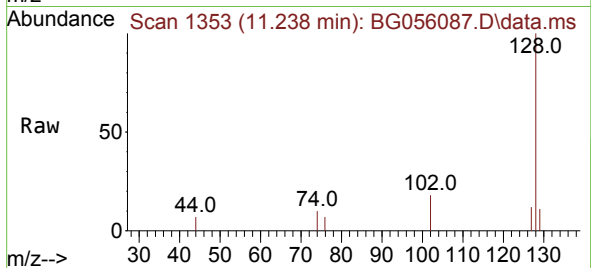
Tgt Ion: 82 Resp: 46557
Ion Ratio Lower Upper
82 100
128 46.1 38.4 57.6
54 66.4 53.3 79.9



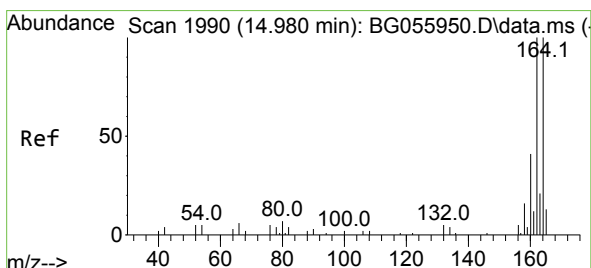
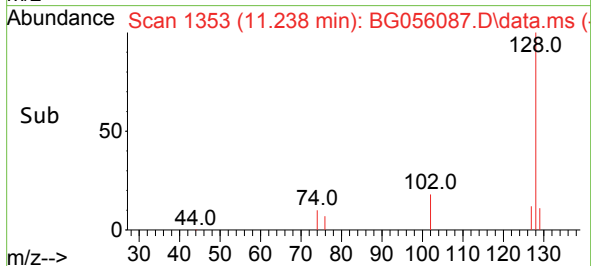
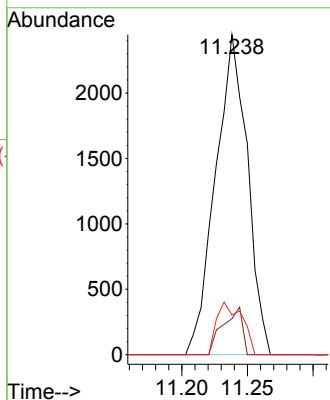


#31
Naphthalene
Concen: 2.110 ng
RT: 11.238 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Instrument :
BNA_G
ClientSampleId :
B-27-5B02

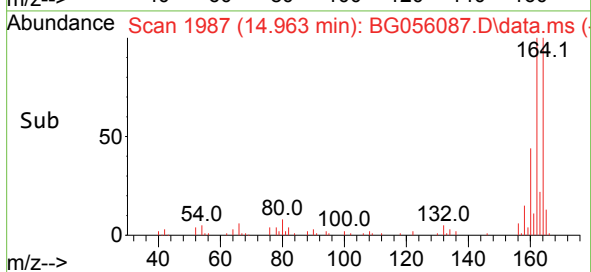
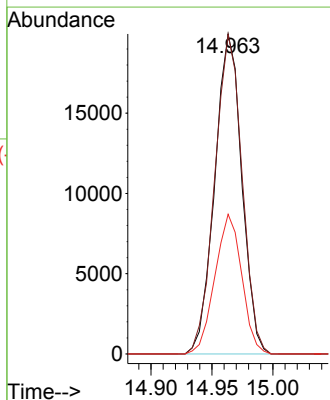
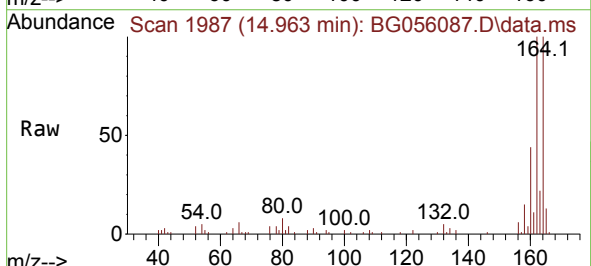


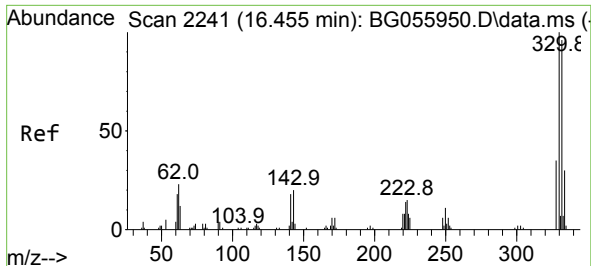
Tgt Ion:128 Resp: 4138
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 12.4 10.3 15.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

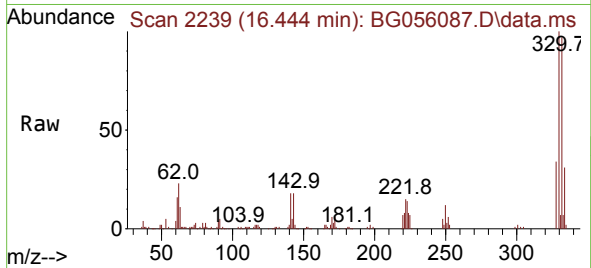
Tgt Ion:164 Resp: 30732
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.6 33.0 49.4



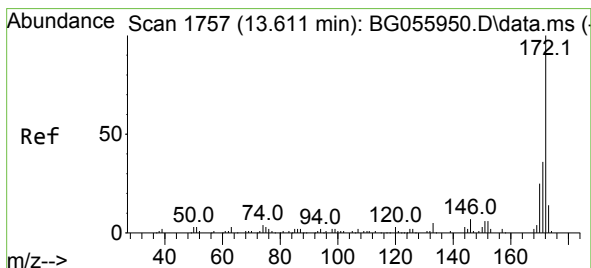
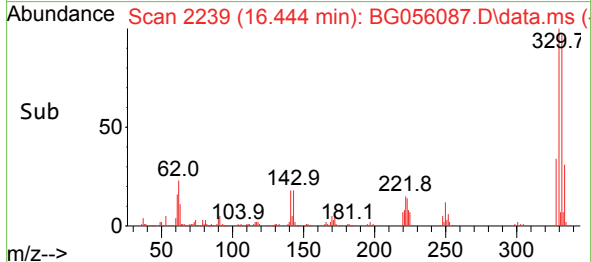
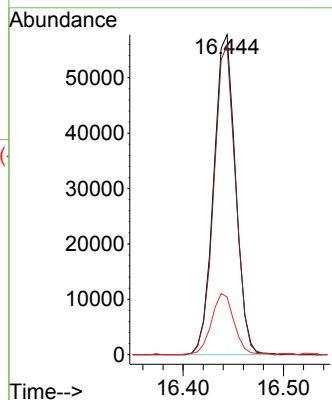


#42
2,4,6-Tribromophenol
Concen: 117.853 ng
RT: 16.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Instrument :
BNA_G
ClientSampleId :
B-27-5B02

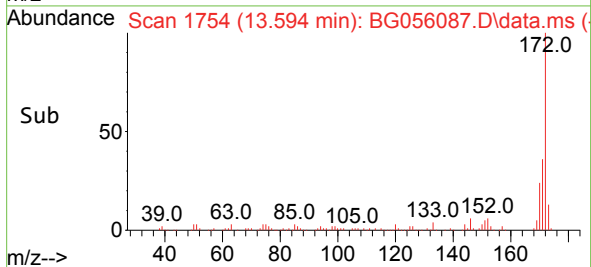
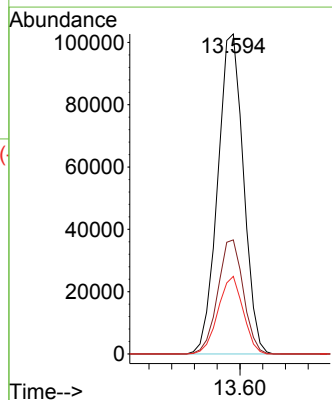
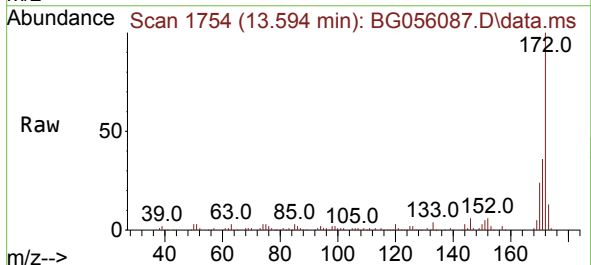


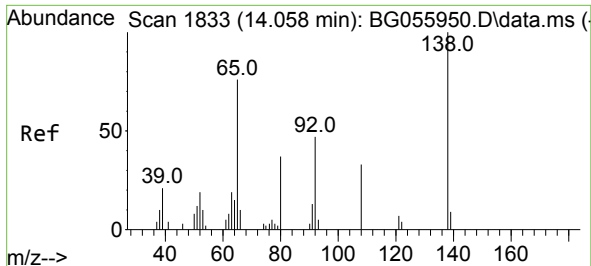
Tgt Ion:330 Resp: 87334
Ion Ratio Lower Upper
330 100
332 96.2 76.6 114.8
141 19.9 15.0 22.4



#45
2-Fluorobiphenyl
Concen: 73.739 ng
RT: 13.594 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:172 Resp: 161581
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.3 19.9 29.9

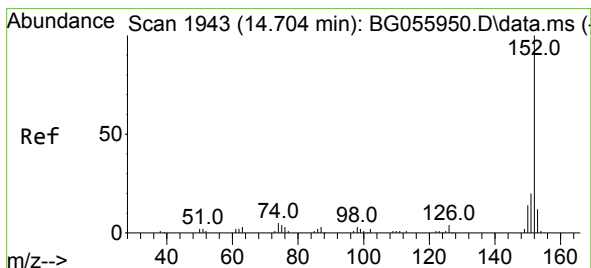
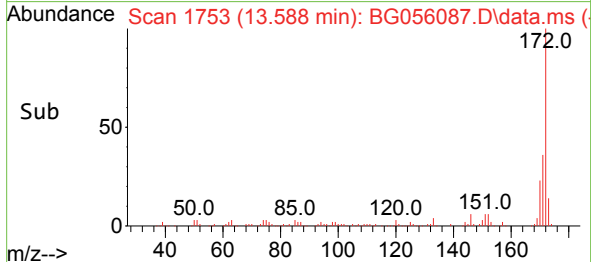
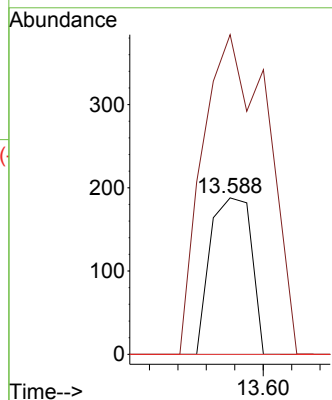
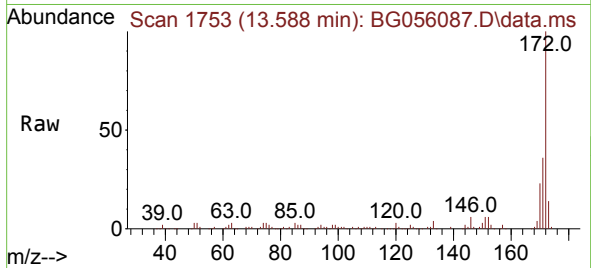




#48
2-Nitroaniline
Concen: 3.345 ng
RT: 13.588 min Scan# 1
Delta R.T. -0.458 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

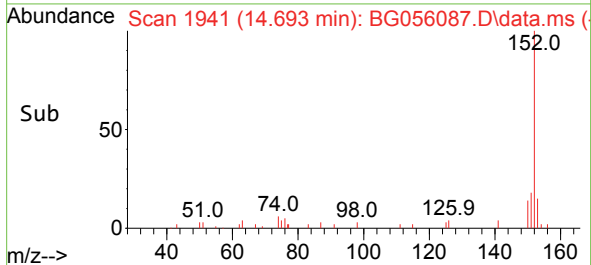
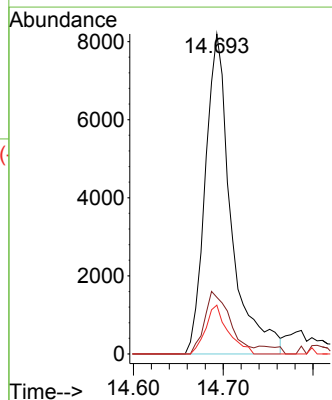
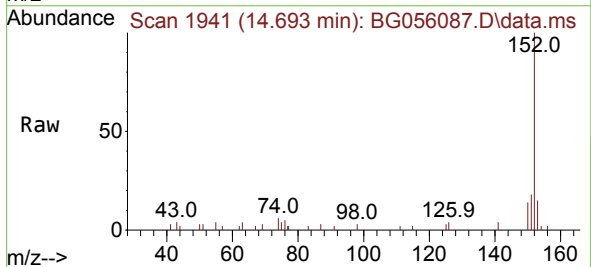
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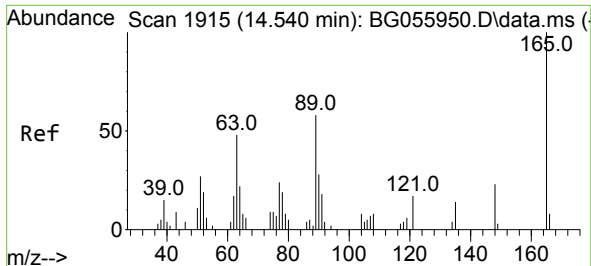
Tgt Ion: 65 Resp: 188
Ion Ratio Lower Upper
65 100
92 204.3 49.7 74.5#
138 0.0 105.0 157.6#



#49
Acenaphthylene
Concen: 6.059 ng
RT: 14.693 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:152 Resp: 16369
Ion Ratio Lower Upper
152 100
151 17.7 15.8 23.8
153 15.2 10.0 15.0#

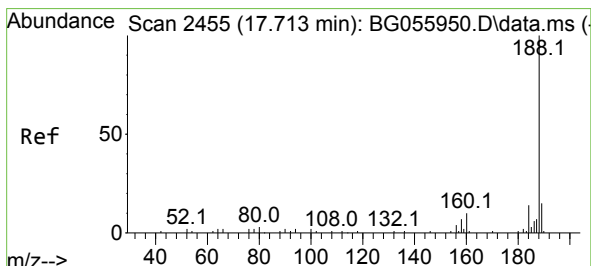
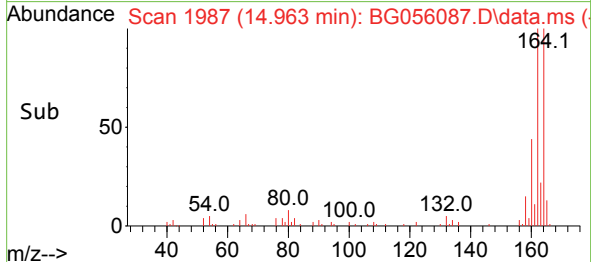
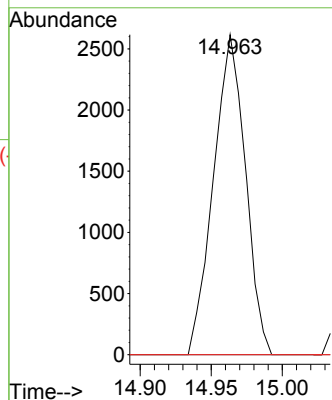
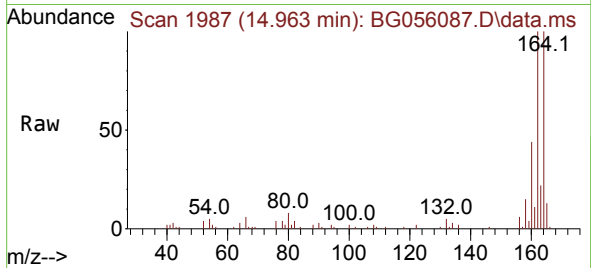




#51
2,6-Dinitrotoluene
Concen: 9.947 ng
RT: 14.963 min Scan# 1915
Delta R.T. 0.435 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

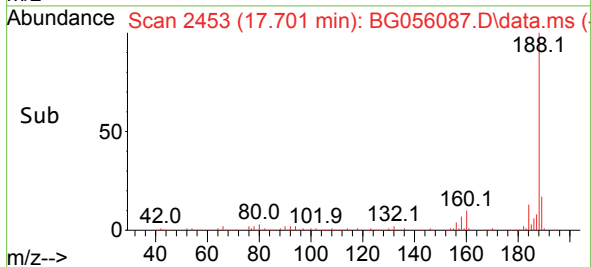
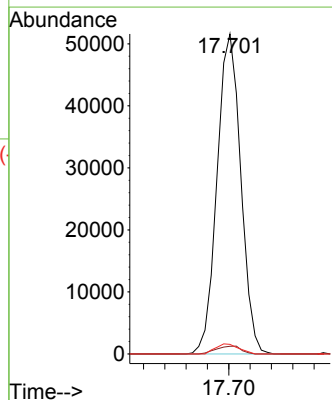
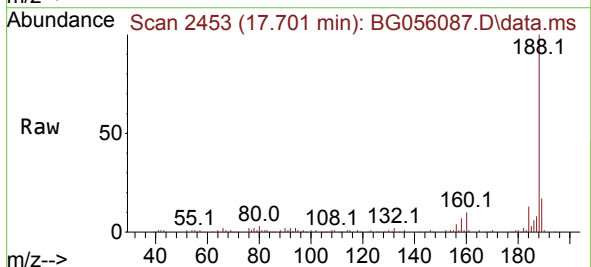
Instrument :
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ClientSampleId :
B-27-5B02

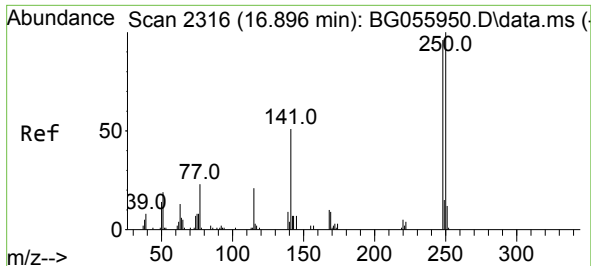
Tgt Ion:165 Resp: 4090
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.701 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:188 Resp: 79571
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.0 2.4 3.6

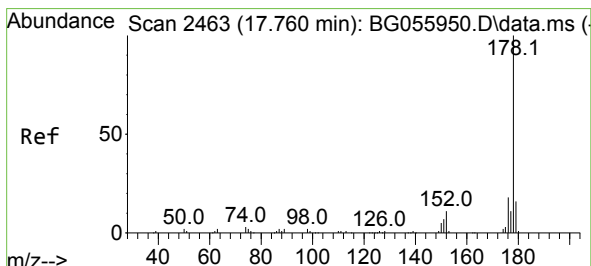
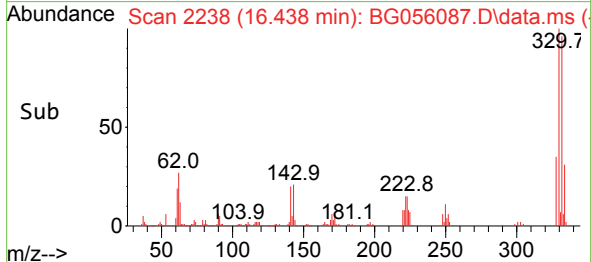
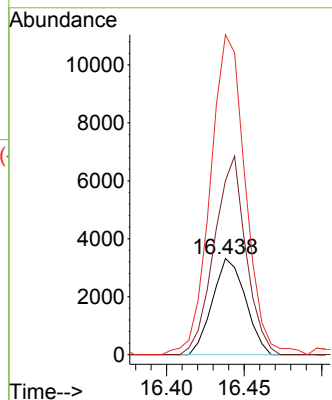
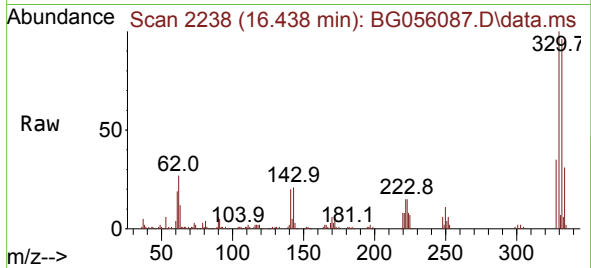




#67
4-Bromophenyl-phenylether
Concen: 4.211 ng
RT: 16.438 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

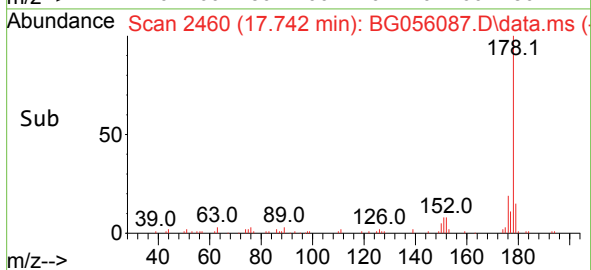
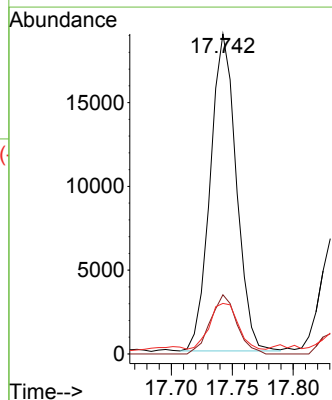
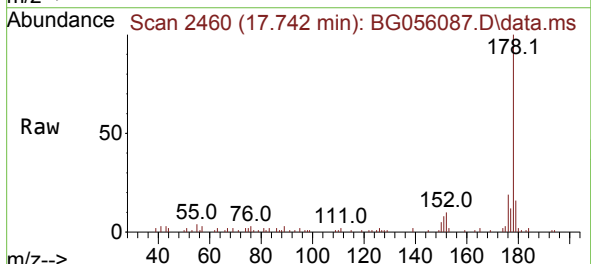
Instrument :
BNA_G
ClientSampleId :
B-27-5B02

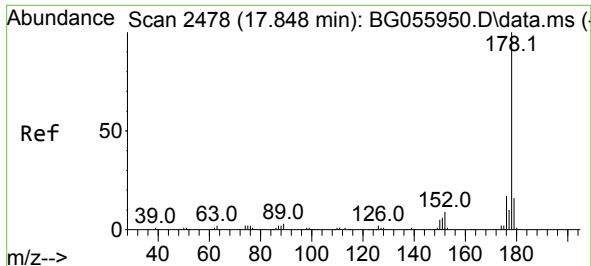
Tgt Ion:248 Resp: 4910
Ion Ratio Lower Upper
248 100
250 181.2 83.0 124.6#
141 332.6 42.6 64.0#



#71
Phenanthrene
Concen: 6.763 ng
RT: 17.742 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:178 Resp: 28202
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.8 12.7 19.1

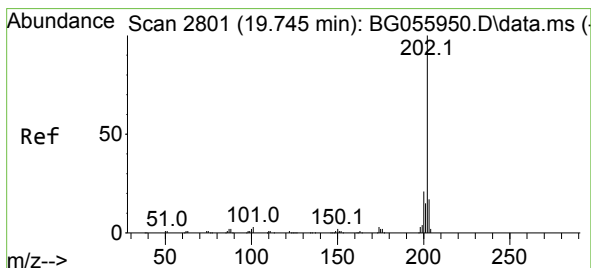
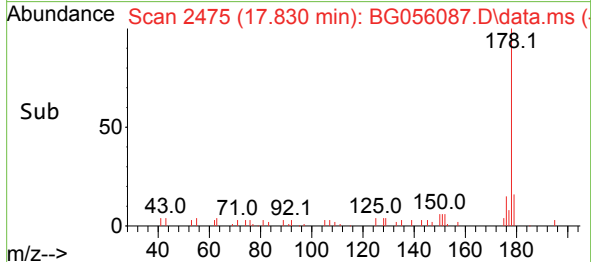
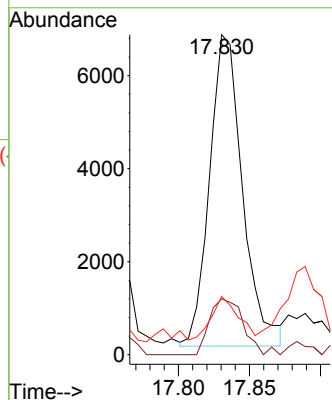
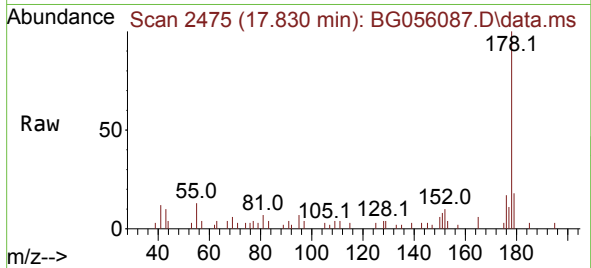




#72
 Anthracene
 Concen: 2.620 ng
 RT: 17.830 min Scan# 2478
 Delta R.T. -0.011 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

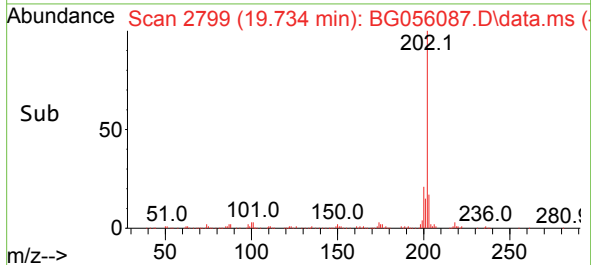
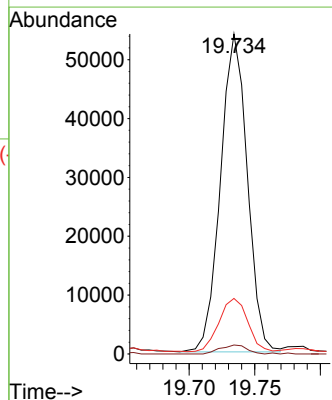
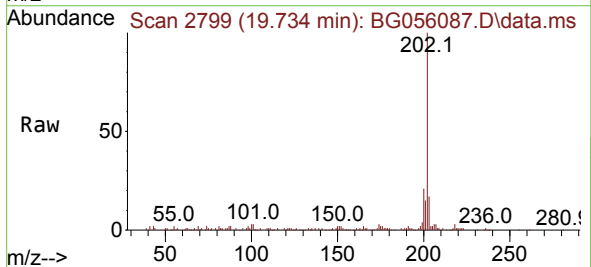
Instrument :
 BNA_G
 ClientSampleId :
 B-27-5B02

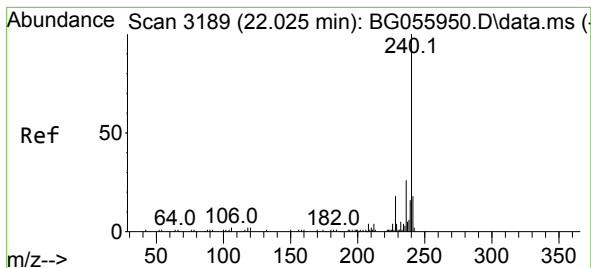
Tgt Ion:178 Resp: 10809
 Ion Ratio Lower Upper
 178 100
 176 17.4 13.9 20.9
 179 18.1 12.7 19.1



#75
 Fluoranthene
 Concen: 13.156 ng
 RT: 19.734 min Scan# 2799
 Delta R.T. 0.000 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

Tgt Ion:202 Resp: 76821
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 22.6
 203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.008 min Scan# 3189

Delta R.T. -0.006 min

Lab File: BG056087.D

Acq: 23 Dec 2022 20:36

Instrument :

BNA_G

ClientSampleId :

B-27-5B02

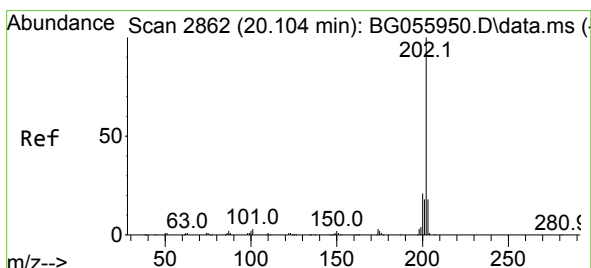
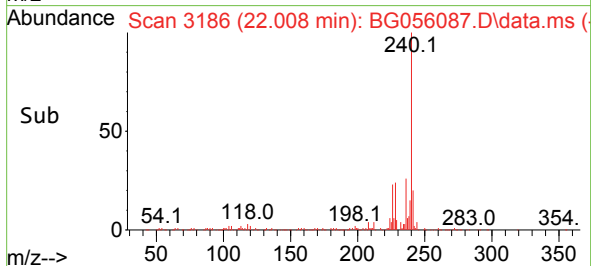
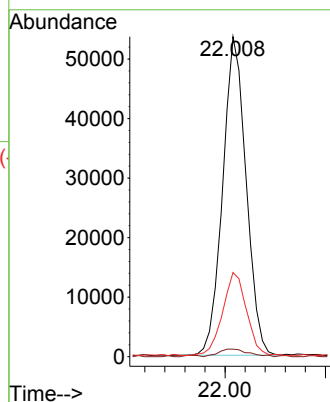
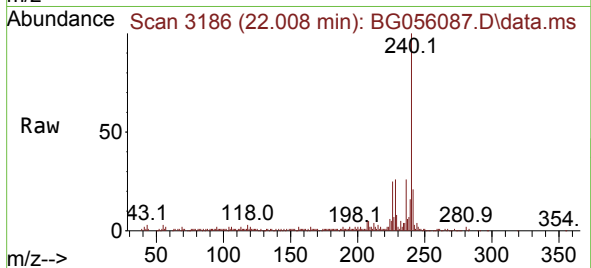
Tgt Ion:240 Resp: 86571

Ion Ratio Lower Upper

240 100

120 2.3 1.7 2.5

236 26.3 21.1 31.7



#78

Pyrene

Concen: 17.687 ng

RT: 20.092 min Scan# 2860

Delta R.T. -0.006 min

Lab File: BG056087.D

Acq: 23 Dec 2022 20:36

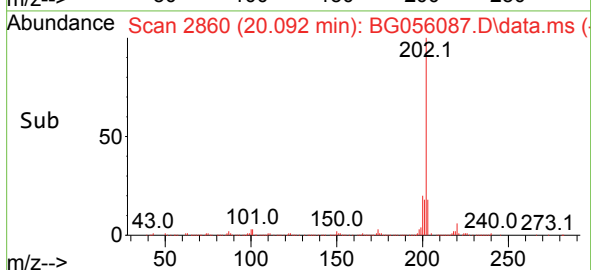
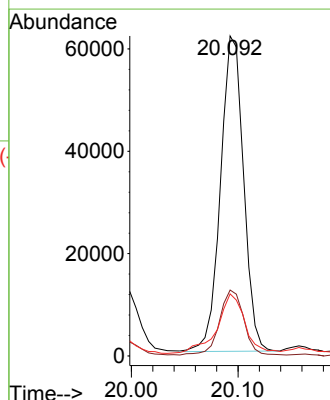
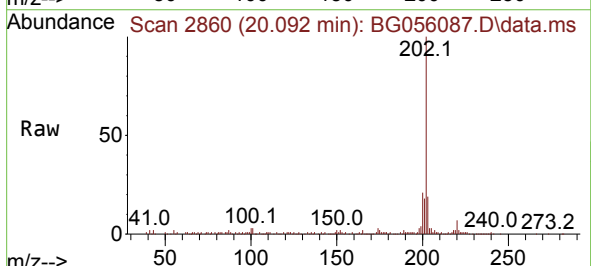
Tgt Ion:202 Resp: 92655

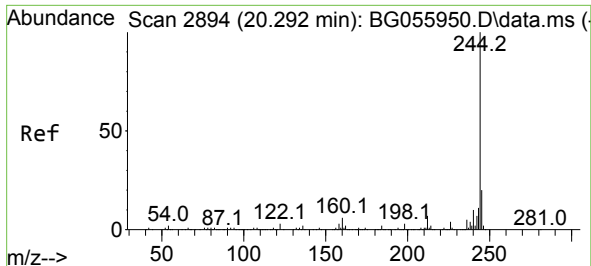
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 19.4 14.6 21.8

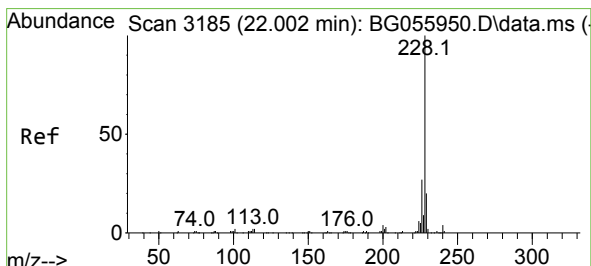
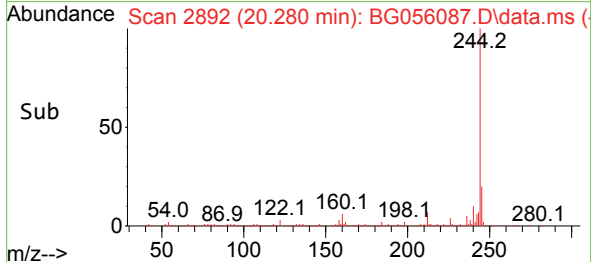
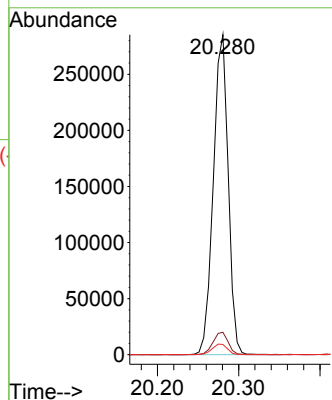
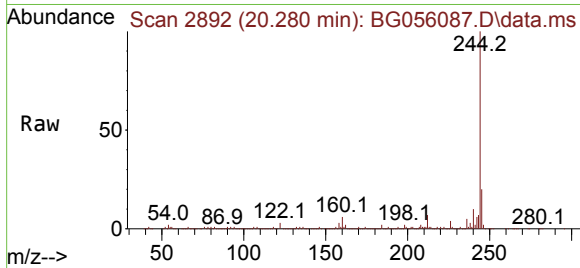




#79
 Terphenyl-d14
 Concen: 73.910 ng
 RT: 20.280 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

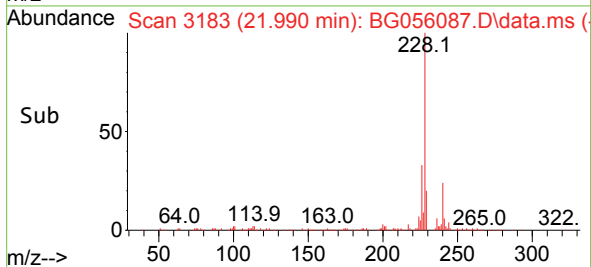
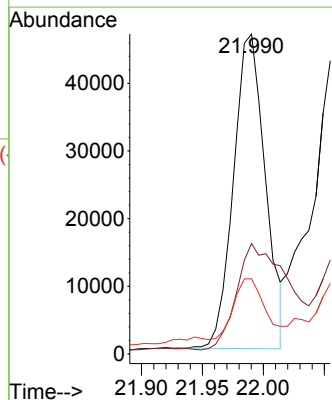
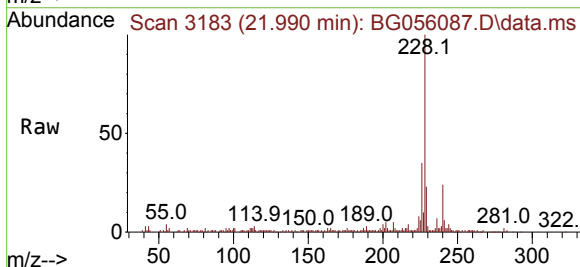
Instrument :
 BNA_G
 ClientSampleId :
 B-27-5B02

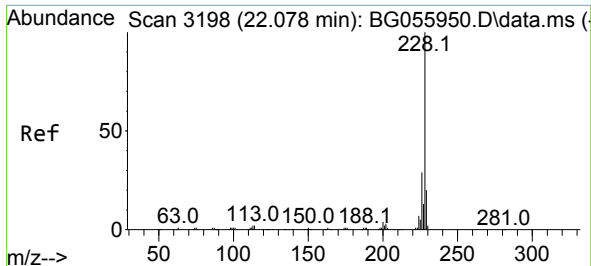
Tgt Ion:244 Resp: 362031
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 3.2 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 13.869 ng
 RT: 21.990 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

Tgt Ion:228 Resp: 84485
 Ion Ratio Lower Upper
 228 100
 226 34.5 21.8 32.6#
 229 23.5 15.9 23.9

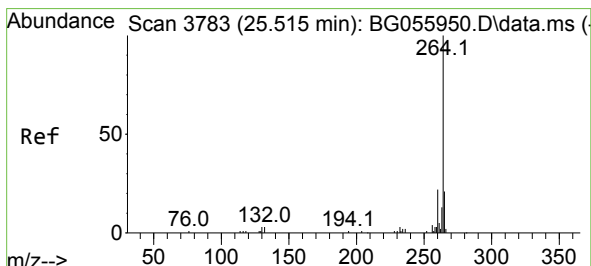
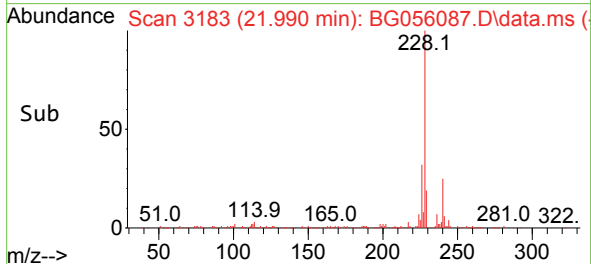
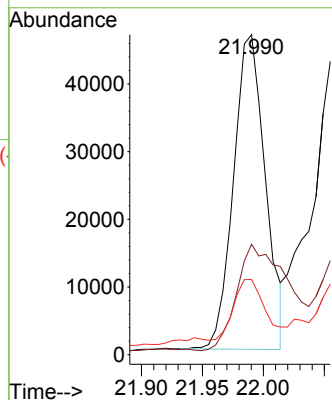
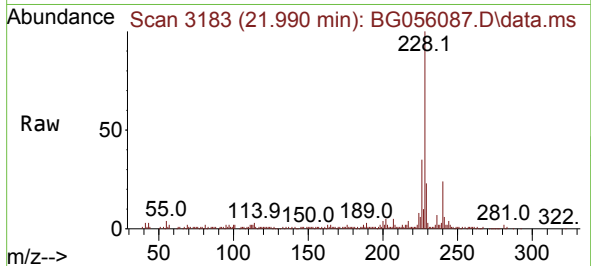




#83
Chrysene
Concen: 14.798 ng
RT: 21.990 min Scan# 3198
Delta R.T. -0.070 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

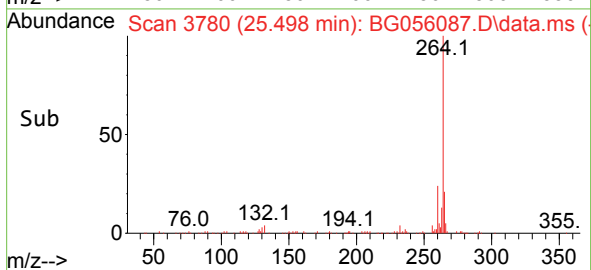
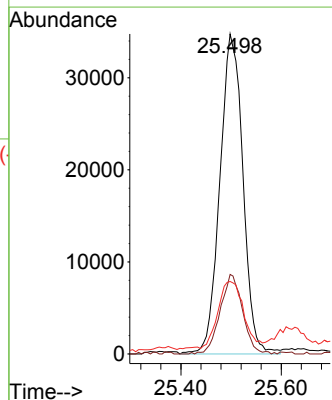
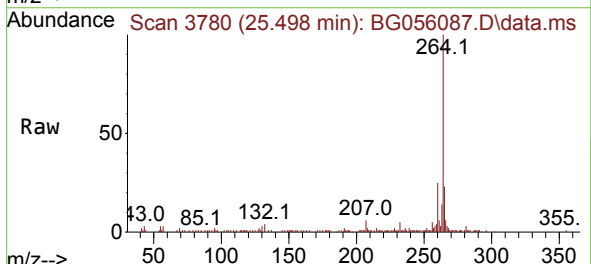
Instrument :
BNA_G
ClientSampleId :
B-27-5B02

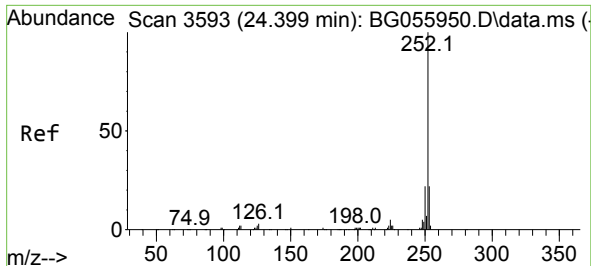
Tgt Ion:228	Resp: 84485
Ion Ratio	Lower Upper
228	100
226	34.5 23.1 34.7
229	23.5 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.498 min Scan# 3780
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:264	Resp: 110855
Ion Ratio	Lower Upper
264	100
260	24.9 17.8 26.8
265	22.6 16.6 25.0

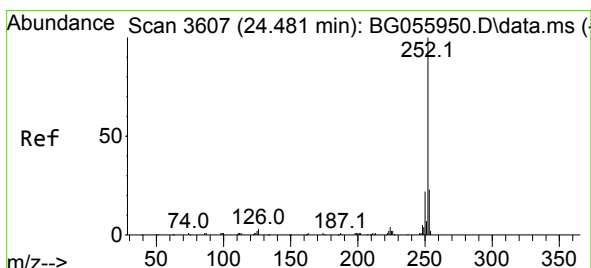
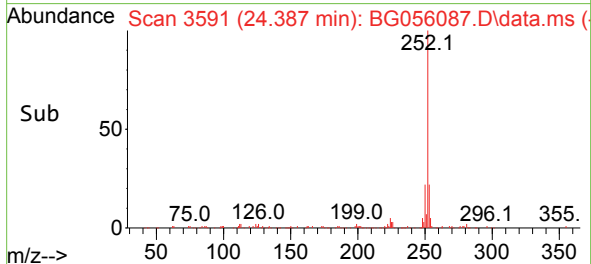
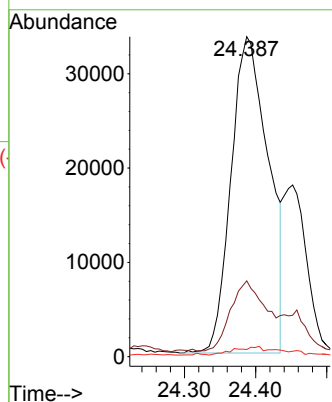
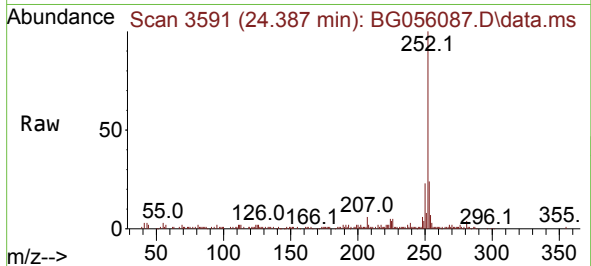




#88
Benzo(b)fluoranthene
Concen: 17.094 ng
RT: 24.387 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

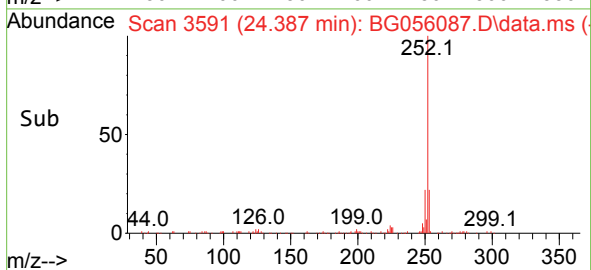
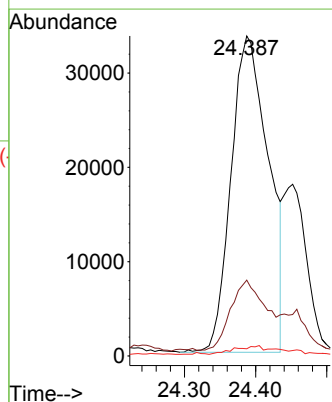
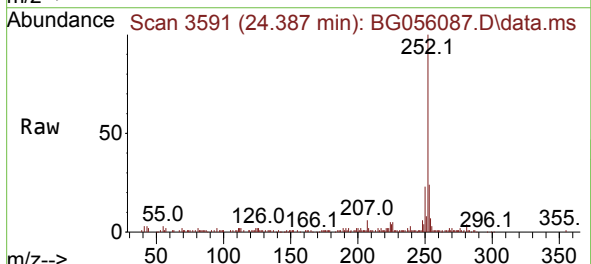
Instrument :
BNA_G
ClientSampleId :
B-27-5B02

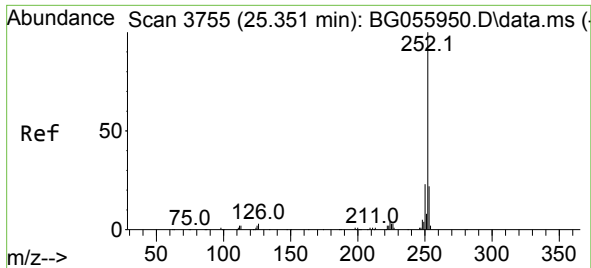
Tgt Ion:252 Resp: 122640
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 2.3 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 17.133 ng
RT: 24.387 min Scan# 3591
Delta R.T. -0.070 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

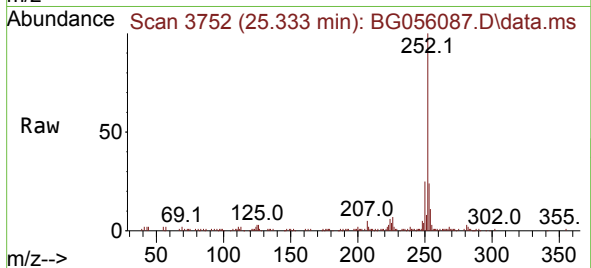
Tgt Ion:252 Resp: 122640
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 2.3 2.0 3.0





#90
 Benzo(a)pyrene
 Concen: 17.837 ng
 RT: 25.333 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

Instrument :
 BNA_G
 ClientSampleId :
 B-27-5B02



Tgt Ion:252 Resp: 108171
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.7 26.5
 125 2.9 1.9 2.9#

