

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056028.D
 Acq On : 20 Dec 2022 13:39
 Operator : CG/JU
 Sample : N6037-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 21 02:36:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

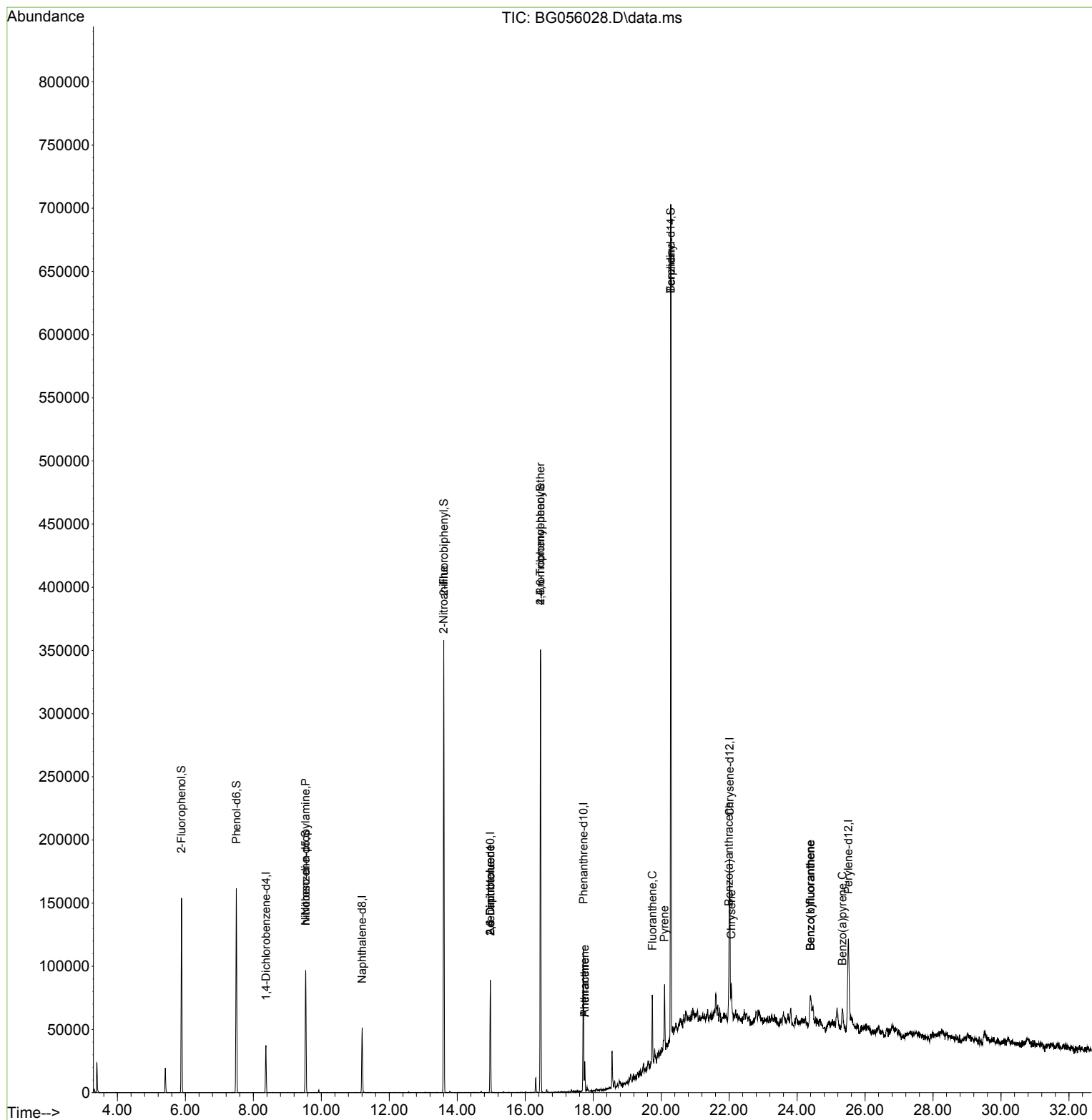
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

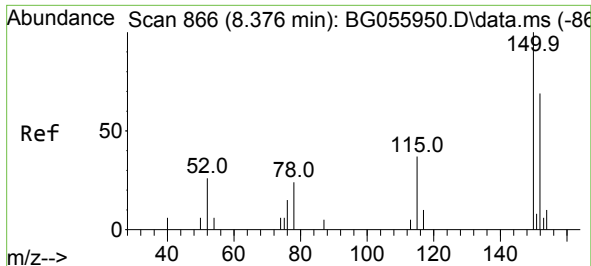
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	11459	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	44629	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	34416	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	83498	20.000	ng	0.00
76) Chrysene-d12	22.018	240	86998	20.000	ng	0.00
86) Perylene-d12	25.508	264	103598	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.884	112	61894	126.671	ng	0.00
7) Phenol-d6	7.500	99	76644	121.961	ng	0.00
23) Nitrobenzene-d5	9.539	82	52425	82.089	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	93829	113.064	ng	0.00
45) 2-Fluorobiphenyl	13.605	172	194010	79.061	ng	0.00
79) Terphenyl-d14	20.285	244	358152	72.760	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.539	70	7967	17.687	ng	# 70
48) 2-Nitroaniline	13.599	65	74	3.001	ng	# 1
51) 2,6-Dinitrotoluene	14.974	165	4632	10.060	ng	# 25
57) 2,4-Dinitrotoluene	14.974	165	4632	6.664	ng	# 35
67) 4-Bromophenyl-phenylether	16.448	248	5314	4.343	ng	# 1
71) Phenanthrene	17.753	178	17171	3.924	ng	99
72) Anthracene	17.753	178	17171	3.966	ng	98
75) Fluoranthene	19.739	202	38180	6.231	ng	99
77) Benzidine	20.285	184	6063	3.968	ng	# 93
78) Pyrene	20.097	202	35581	6.759	ng	99
81) Benzo(a)anthracene	21.995	228	22017	3.596	ng	98
83) Chrysene	22.065	228	25034	4.363	ng	94
88) Benzo(b)fluoranthene	24.392	252	38808	5.788	ng	# 88
89) Benzo(k)fluoranthene	24.392	252	38808	5.801	ng	# 90
90) Benzo(a)pyrene	25.338	252	27141	4.789	ng	# 96

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

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Data File : BG056028.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

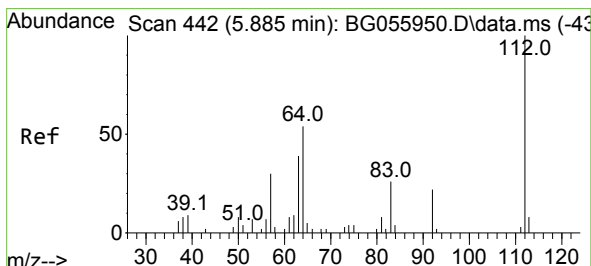
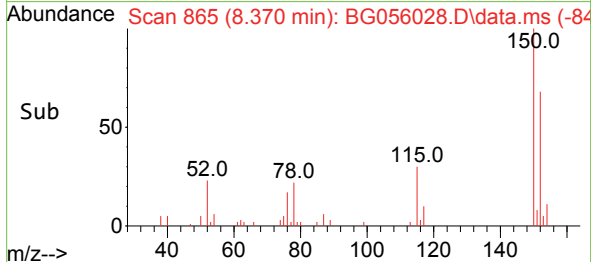
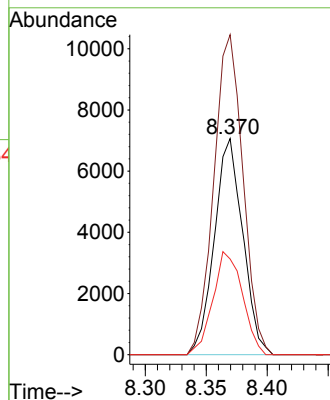
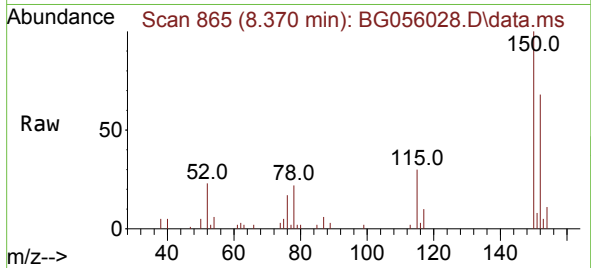
Quant Time: Dec 21 02:36:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





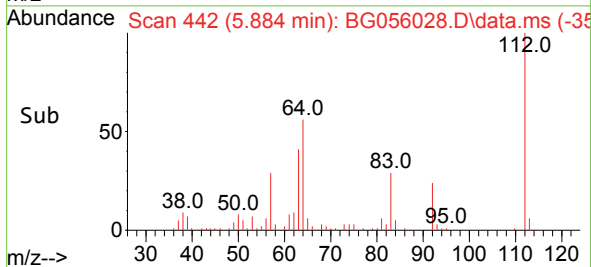
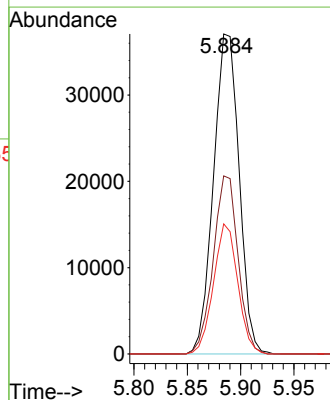
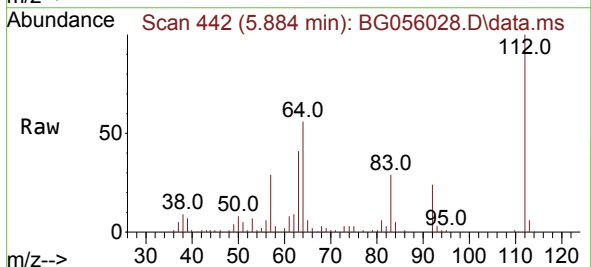
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 865
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

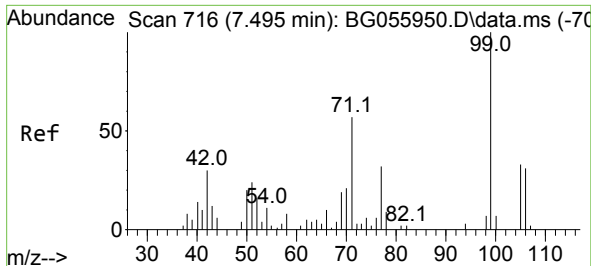
Tgt Ion:152 Resp: 11459
Ion Ratio Lower Upper
152 100
150 148.0 115.7 173.5
115 44.2 43.0 64.4



#5
2-Fluorophenol
Concen: 126.671 ng
RT: 5.884 min Scan# 442
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

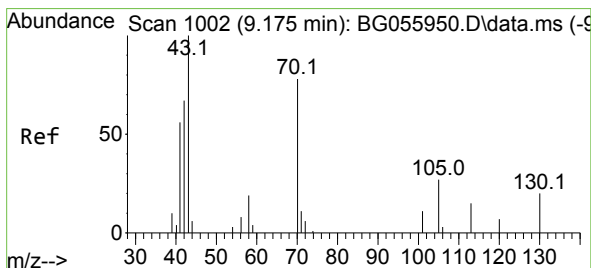
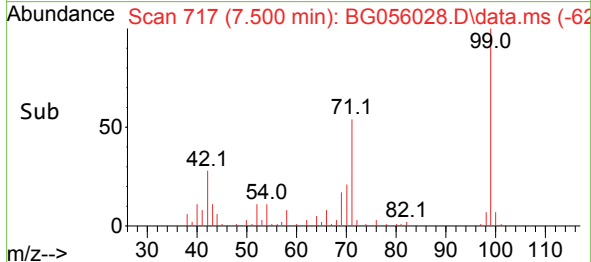
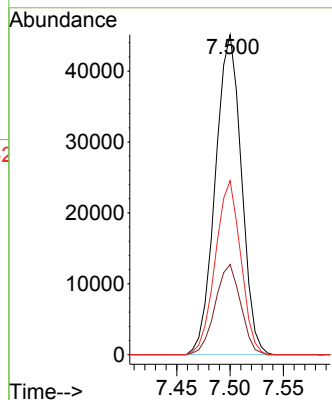
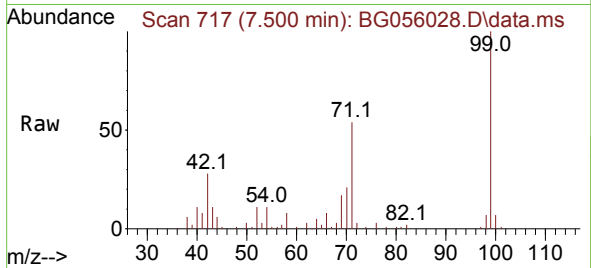
Tgt Ion:112 Resp: 61894
Ion Ratio Lower Upper
112 100
64 55.7 43.0 64.4
63 40.7 31.4 47.2





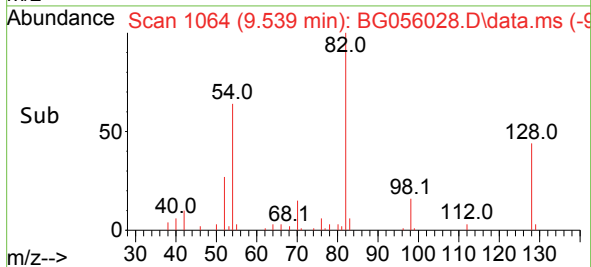
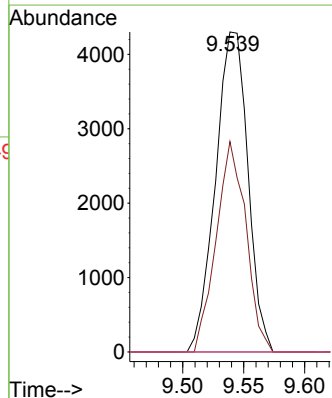
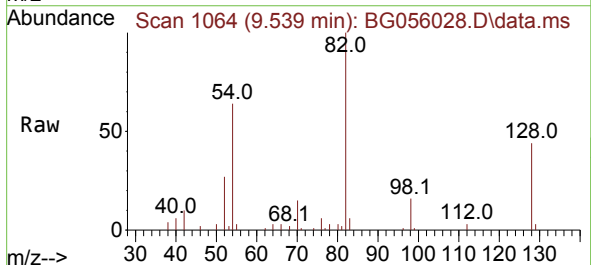
#7
Phenol-d6
Concen: 121.961 ng
RT: 7.500 min Scan# 717
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

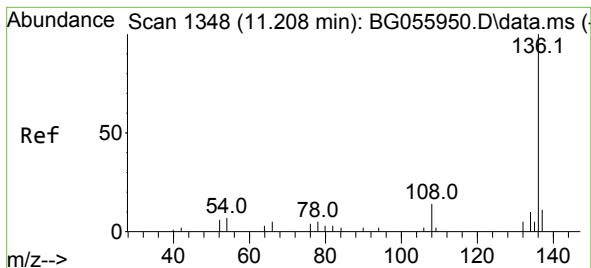
Tgt Ion: 99 Resp: 76644
Ion Ratio Lower Upper
99 100
42 28.2 24.3 36.5
71 54.4 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.687 ng
RT: 9.539 min Scan# 1064
Delta R.T. 0.369 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

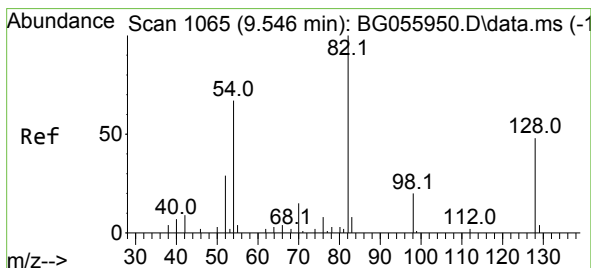
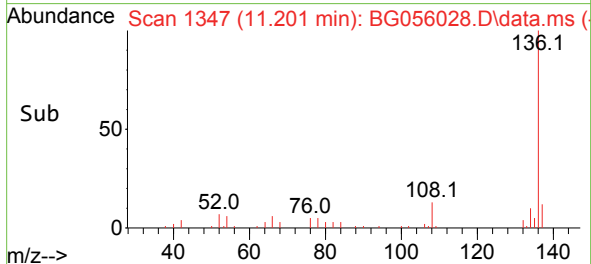
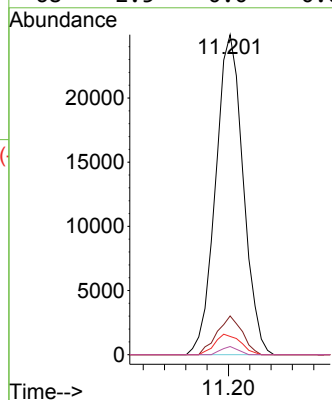
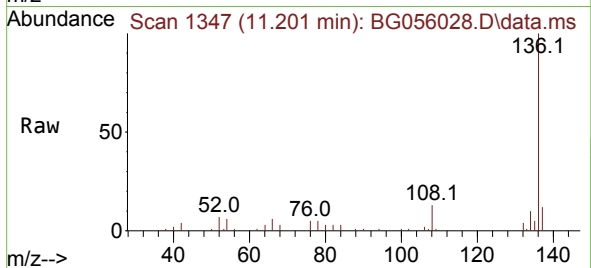
Tgt Ion: 70 Resp: 7967
Ion Ratio Lower Upper
70 100
42 65.8 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#





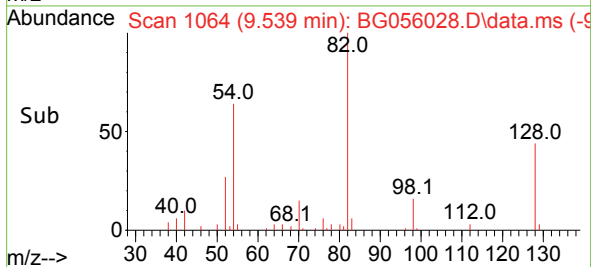
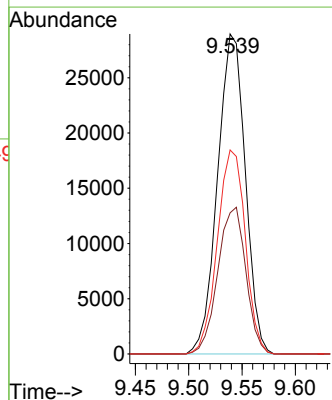
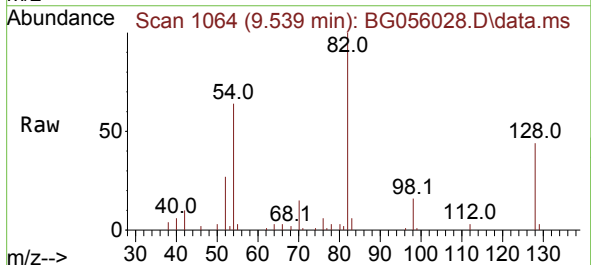
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1347
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

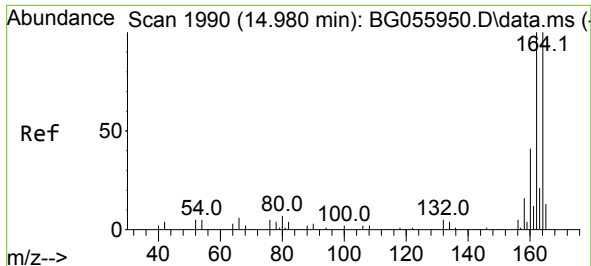
Tgt Ion:	136	Resp:	44629
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.2	13.8
54	5.7	5.6	8.4
68	2.5	0.0	0.0#



#23
Nitrobenzene-d5
Concen: 82.089 ng
RT: 9.539 min Scan# 1064
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

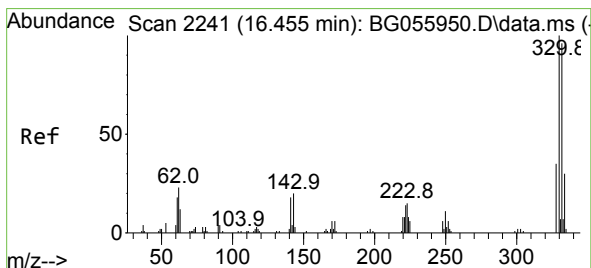
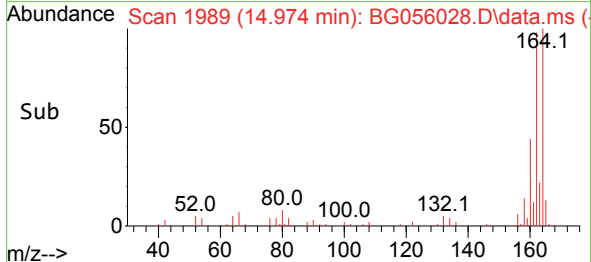
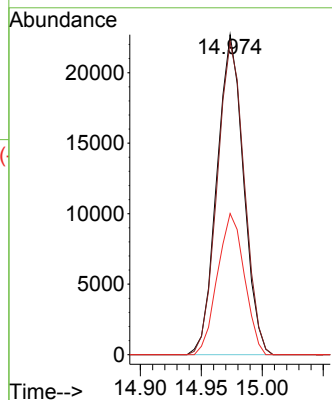
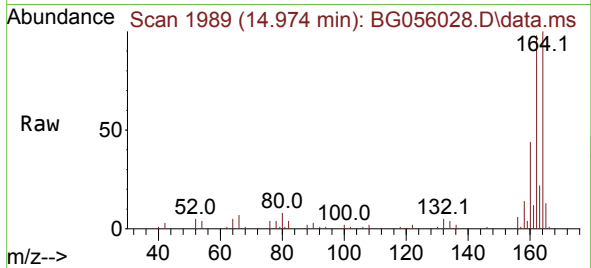
Tgt Ion:	82	Resp:	52425
Ion Ratio	Lower	Upper	
82	100		
128	44.1	38.4	57.6
54	63.7	53.3	79.9





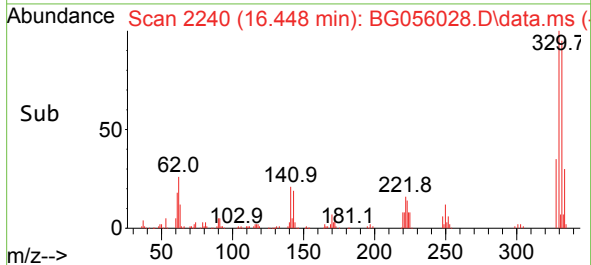
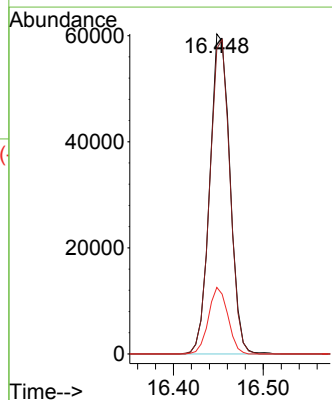
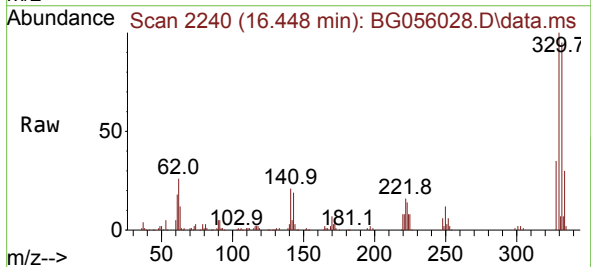
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

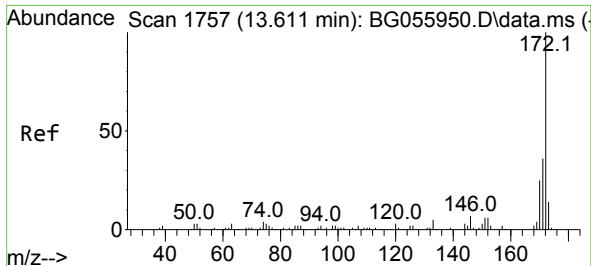
Tgt Ion:164 Resp: 34416
Ion Ratio Lower Upper
164 100
162 97.8 79.8 119.8
160 44.1 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 113.064 ng
RT: 16.448 min Scan# 2240
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

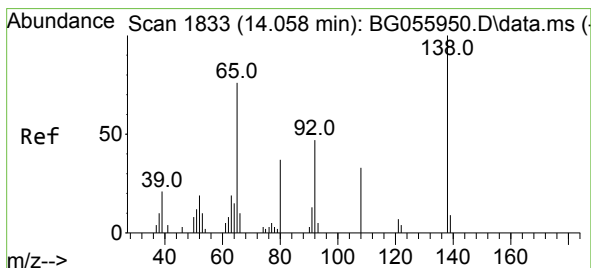
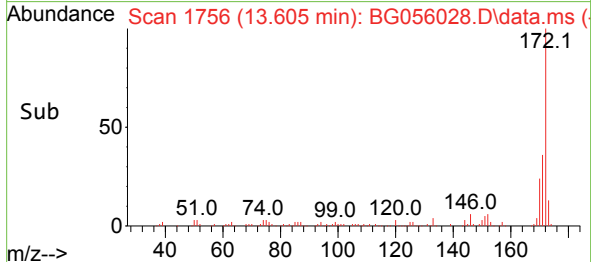
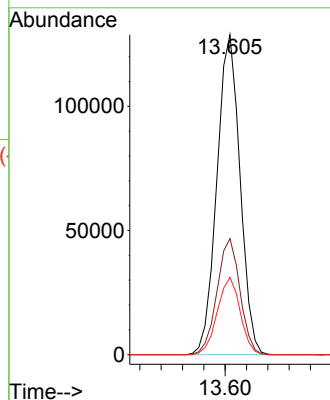
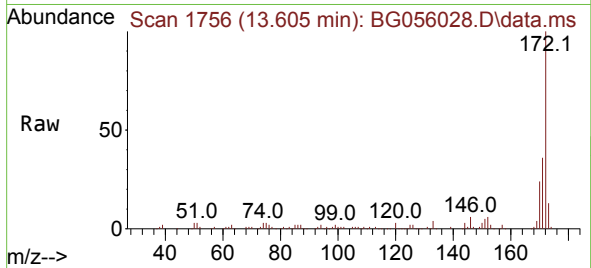
Tgt Ion:330 Resp: 93829
Ion Ratio Lower Upper
330 100
332 97.9 76.6 114.8
141 20.0 15.0 22.4





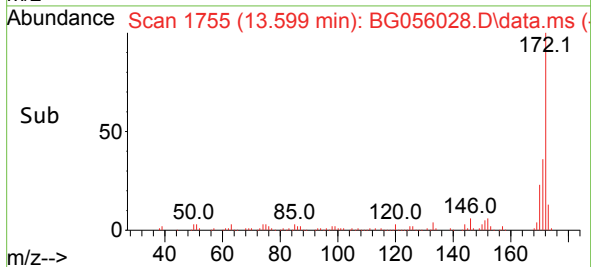
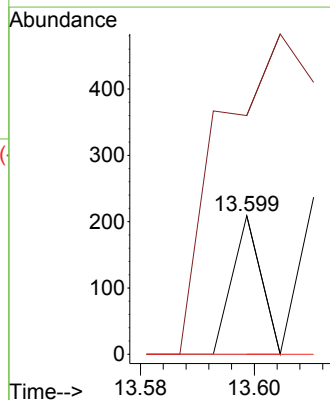
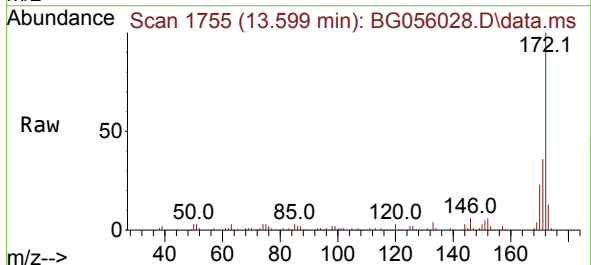
#45
2-Fluorobiphenyl
Concen: 79.061 ng
RT: 13.605 min Scan# 1756
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

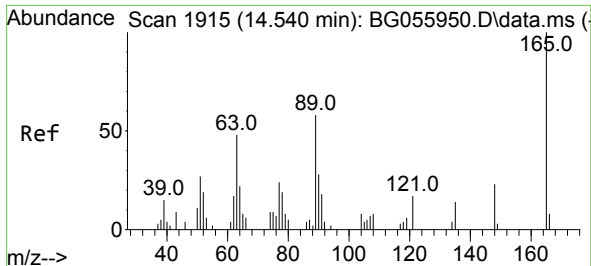
Tgt Ion:172	Resp:	194010
Ion Ratio	Lower	Upper
172	100	
171	36.3	28.6 42.8
170	24.2	19.9 29.9



#48
2-Nitroaniline
Concen: 3.001 ng
RT: 13.599 min Scan# 1755
Delta R.T. -0.454 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

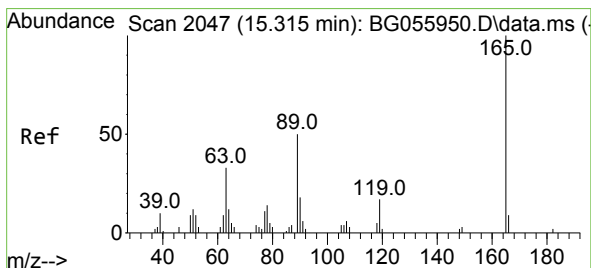
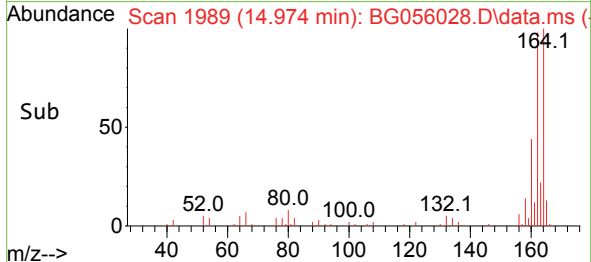
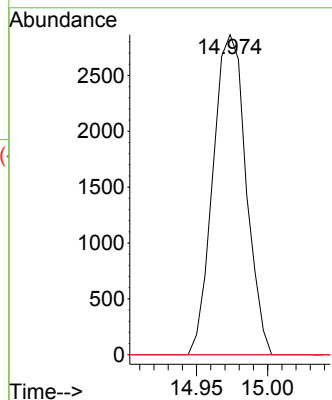
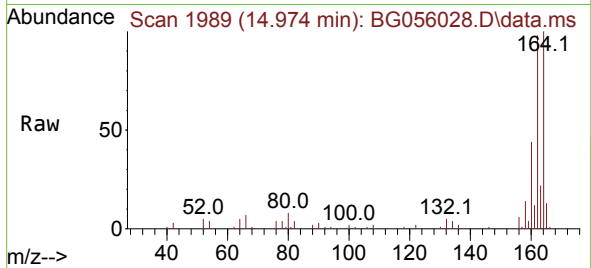
Tgt Ion: 65	Resp:	74
Ion Ratio	Lower	Upper
65	100	
92	172.2	49.7 74.5#
138	0.0	105.0 157.6#





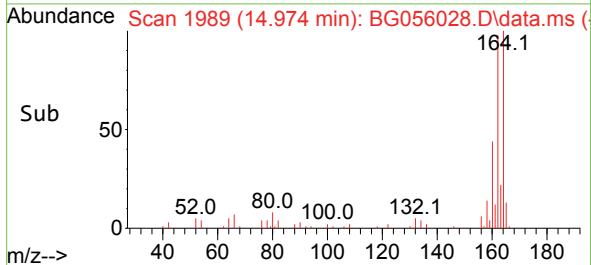
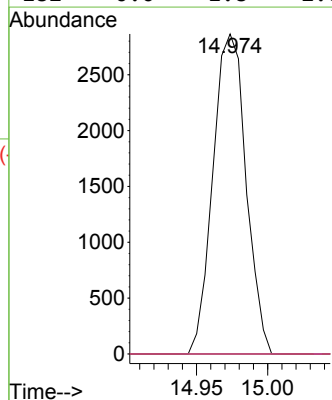
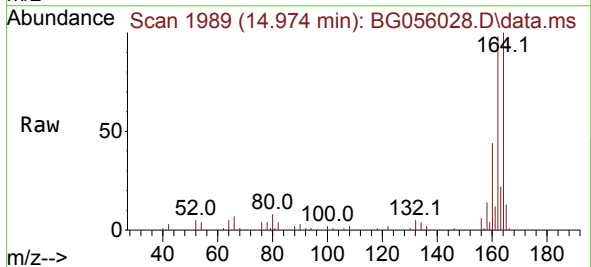
#51
2,6-Dinitrotoluene
Concen: 10.060 ng
RT: 14.974 min Scan# 1989
Delta R.T. 0.439 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

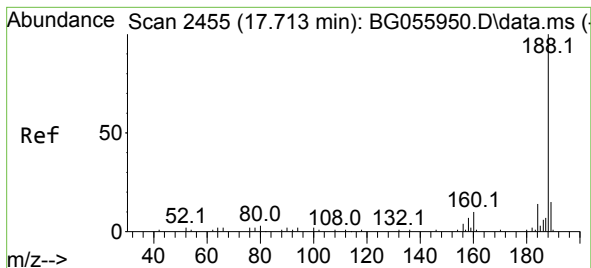
Tgt Ion:165 Resp: 4632
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.664 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.342 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

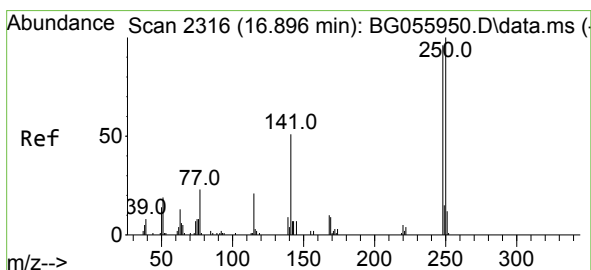
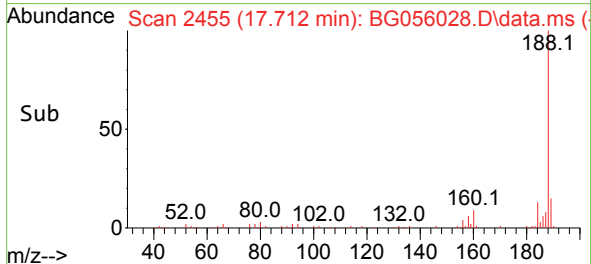
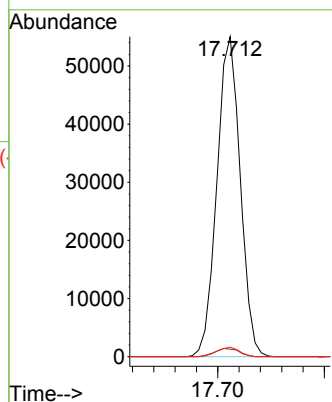
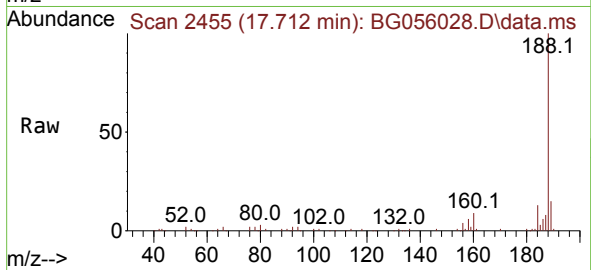
Tgt Ion:165 Resp: 4632
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#





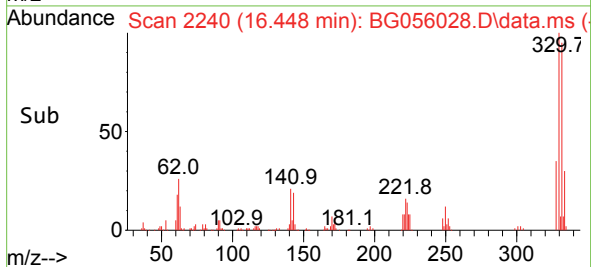
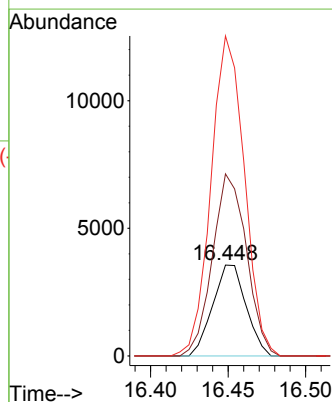
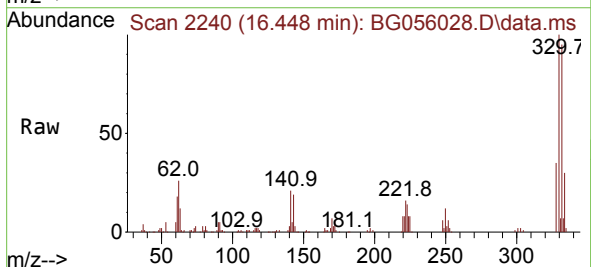
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

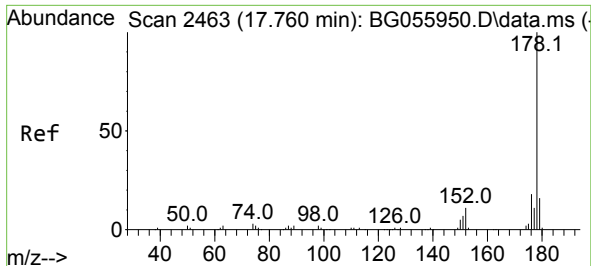
Tgt Ion:188 Resp: 83498
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.0 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 4.343 ng
RT: 16.448 min Scan# 2240
Delta R.T. -0.442 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

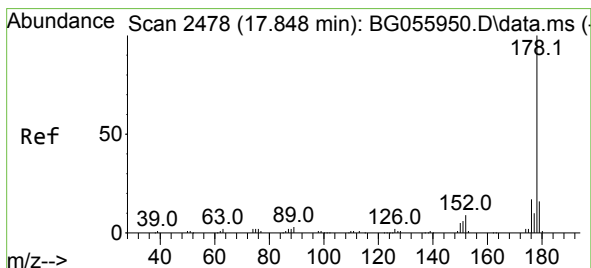
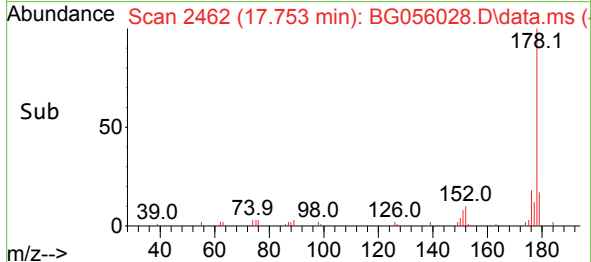
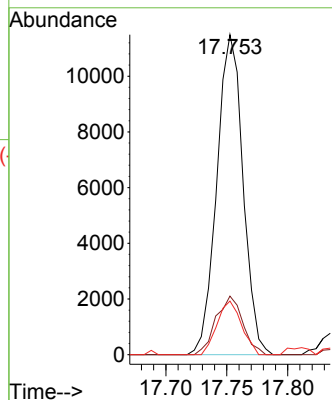
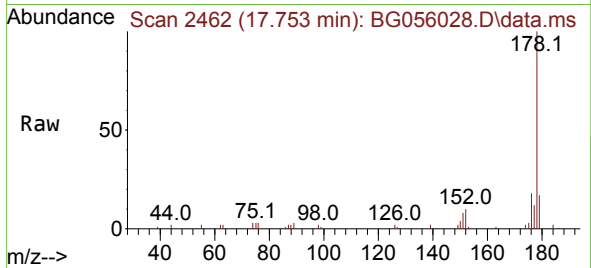
Tgt Ion:248 Resp: 5314
Ion Ratio Lower Upper
248 100
250 200.4 83.0 124.6#
141 352.2 42.6 64.0#





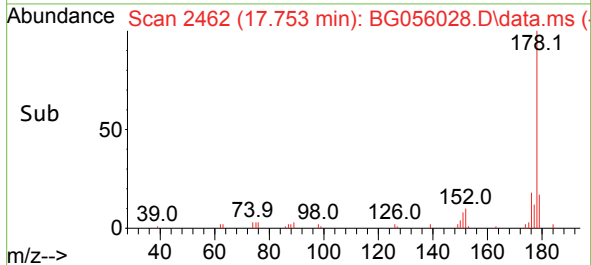
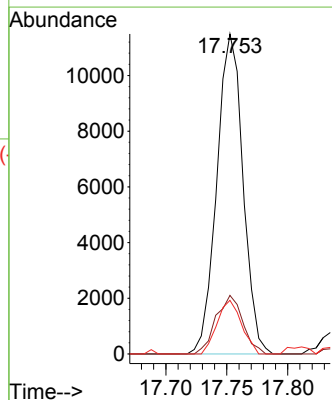
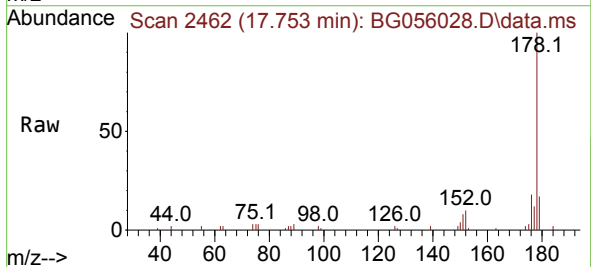
#71
Phenanthrene
Concen: 3.924 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

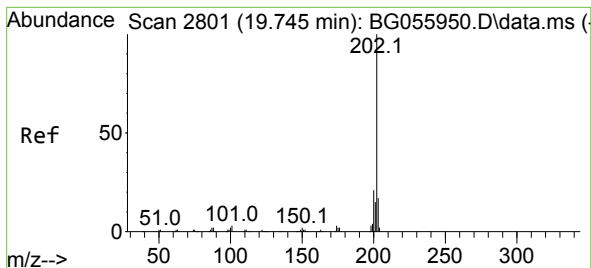
Tgt Ion:178 Resp: 17171
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 16.7 12.7 19.1



#72
Anthracene
Concen: 3.966 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.089 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

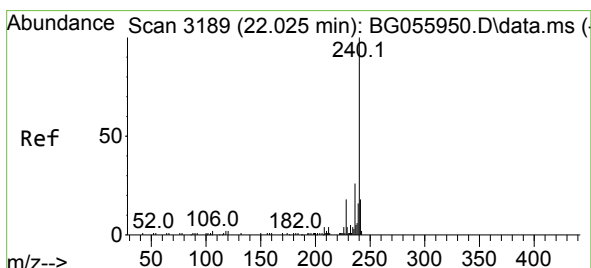
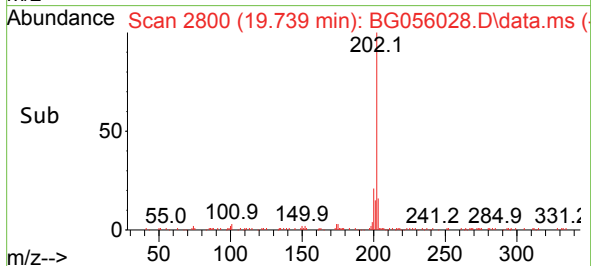
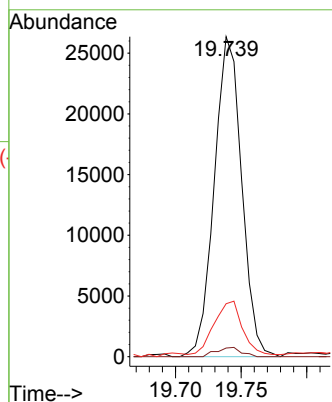
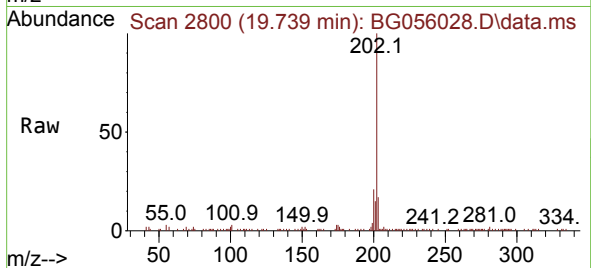
Tgt Ion:178 Resp: 17171
Ion Ratio Lower Upper
178 100
176 18.3 13.9 20.9
179 16.7 12.7 19.1





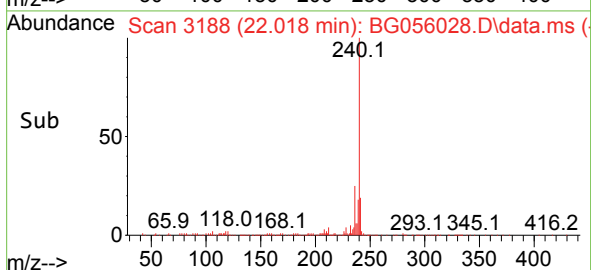
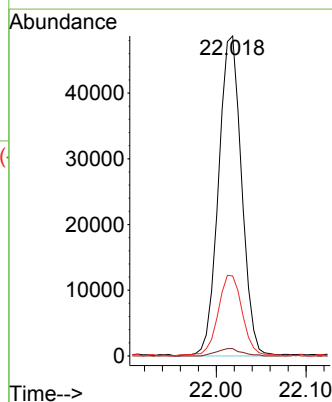
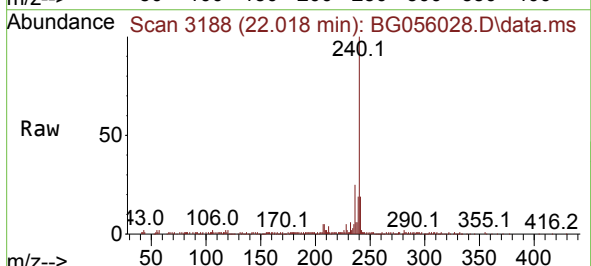
#75
Fluoranthene
Concen: 6.231 ng
RT: 19.739 min Scan# 2800
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

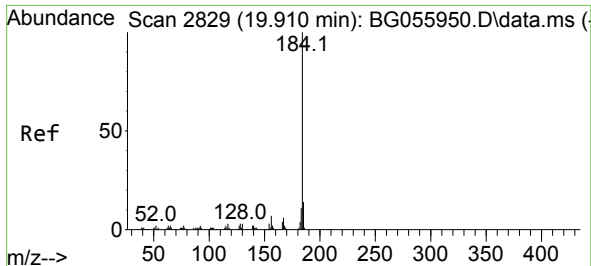
Tgt Ion:	202	Resp:	38180
Ion Ratio	Lower	Upper	
202	100		
101	2.7	0.0	22.6
203	16.5	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

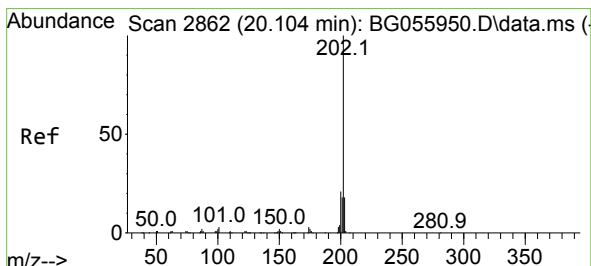
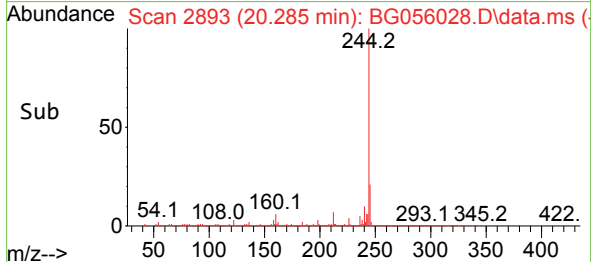
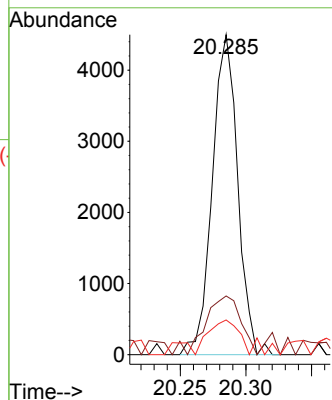
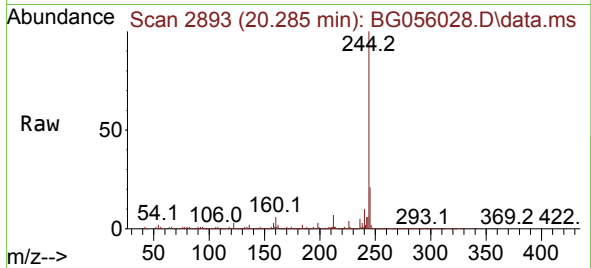
Tgt Ion:	240	Resp:	86998
Ion Ratio	Lower	Upper	
240	100		
120	2.3	1.7	2.5
236	25.0	21.1	31.7





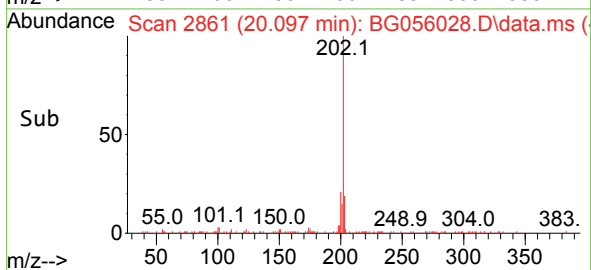
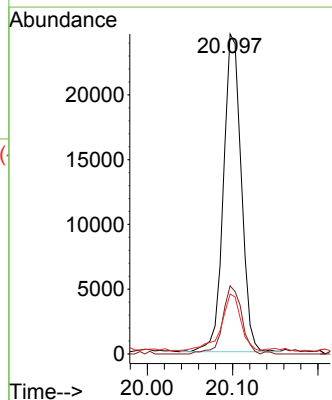
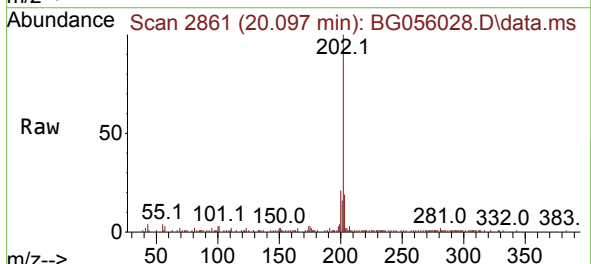
#77
Benzidine
Concen: 3.968 ng
RT: 20.285 min Scan# 2893
Delta R.T. 0.381 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

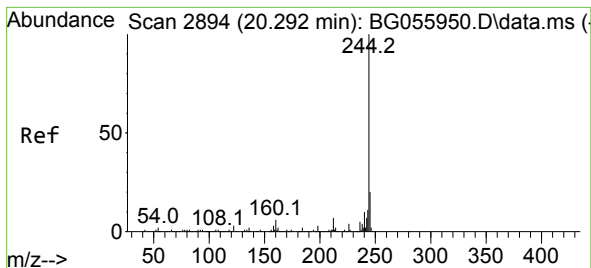
Tgt Ion:184 Resp: 6063
Ion Ratio Lower Upper
184 100
185 18.4 10.9 16.3#
183 10.9 9.2 13.8



#78
Pyrene
Concen: 6.759 ng
RT: 20.097 min Scan# 2861
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Tgt Ion:202 Resp: 35581
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.7 14.6 21.8





#79

Terphenyl-d14

Concen: 72.760 ng

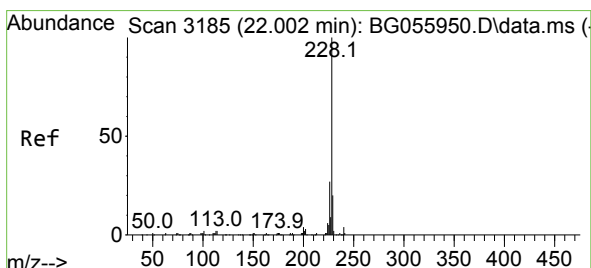
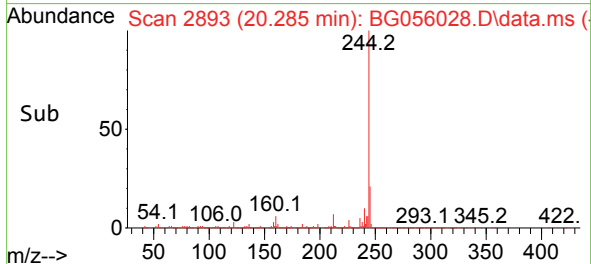
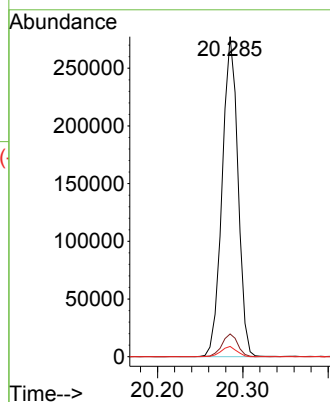
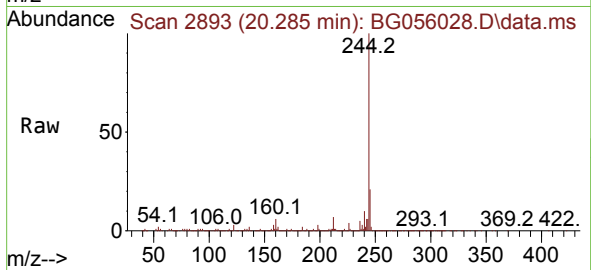
RT: 20.285 min Scan# 2893

Delta R.T. 0.005 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:244	Resp:	358152
Ion Ratio	Lower	Upper
244	100	
212	7.1	5.8 8.6
122	3.2	2.5 3.7



#81

Benzo(a)anthracene

Concen: 3.596 ng

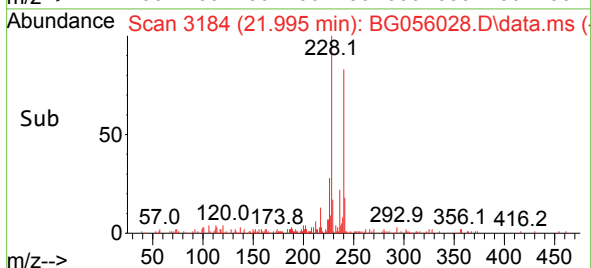
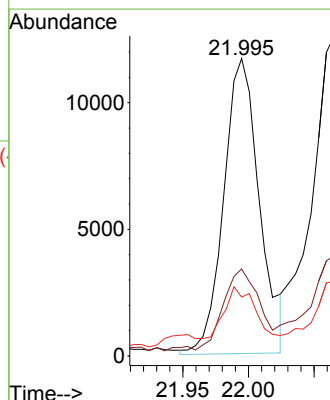
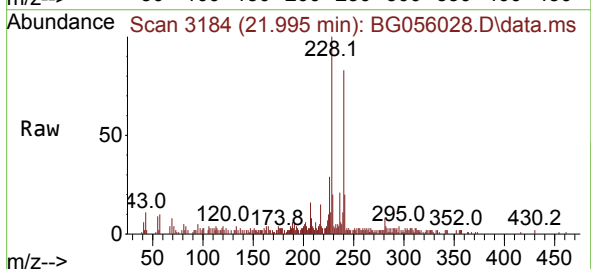
RT: 21.995 min Scan# 3184

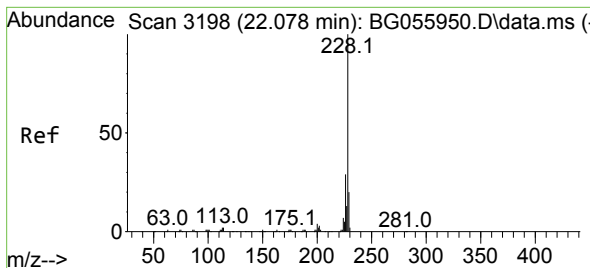
Delta R.T. -0.001 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:228	Resp:	22017
Ion Ratio	Lower	Upper
228	100	
226	29.2	21.8 32.6
229	19.8	15.9 23.9





#83

Chrysene

Concen: 4.363 ng

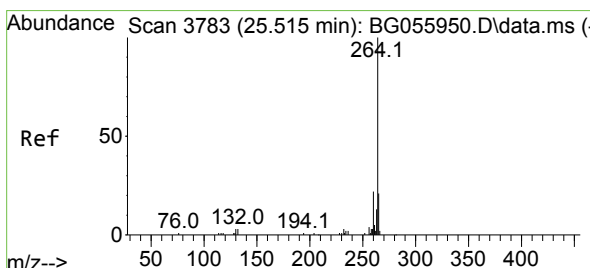
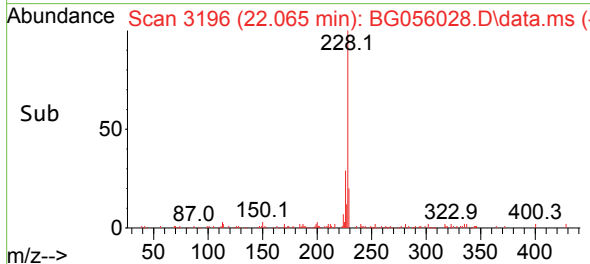
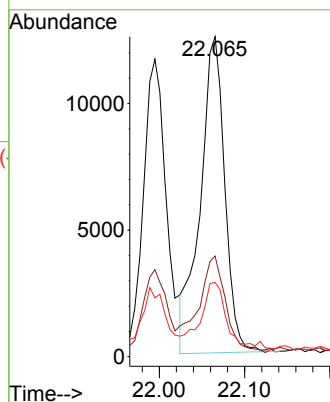
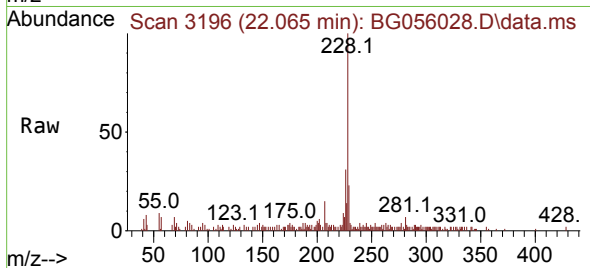
RT: 22.065 min Scan# 3196

Delta R.T. -0.001 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:	228	Resp:	25034
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.1	34.7
229	23.2	15.7	23.5



#86

Perylene-d12

Concen: 20.000 ng

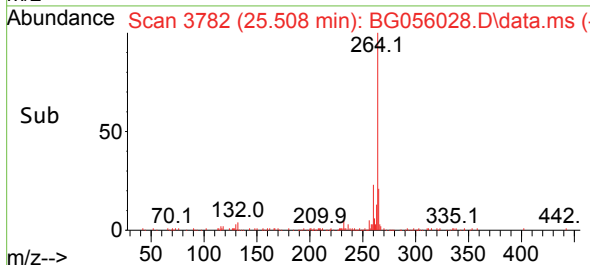
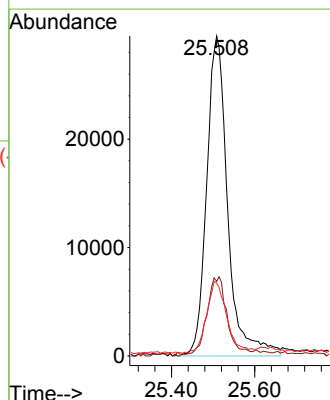
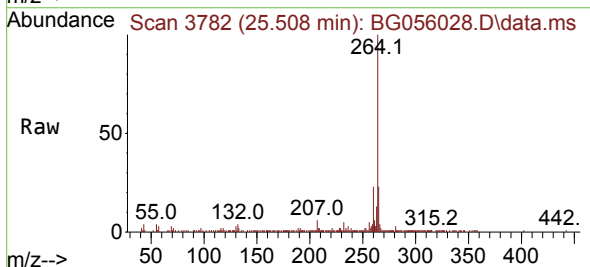
RT: 25.508 min Scan# 3782

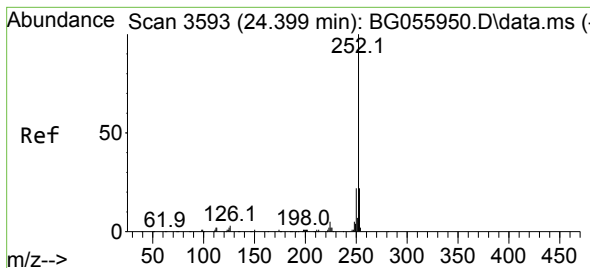
Delta R.T. 0.011 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:	264	Resp:	103598
Ion Ratio	Lower	Upper	
264	100		
260	23.3	17.8	26.8
265	22.8	16.6	25.0





#88

Benzo(b)fluoranthene

Concen: 5.788 ng

RT: 24.392 min Scan# 3592

Delta R.T. 0.005 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

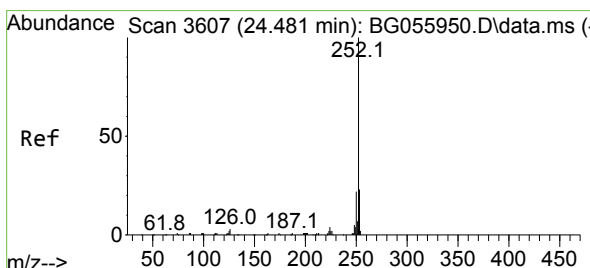
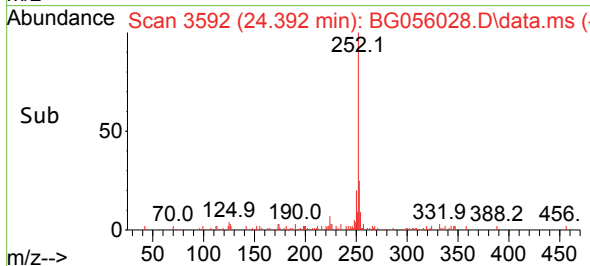
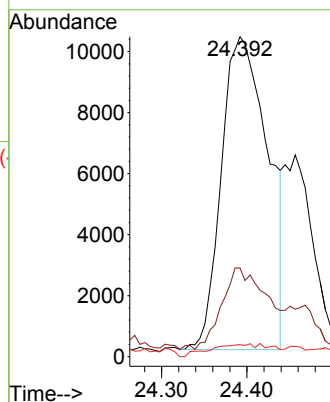
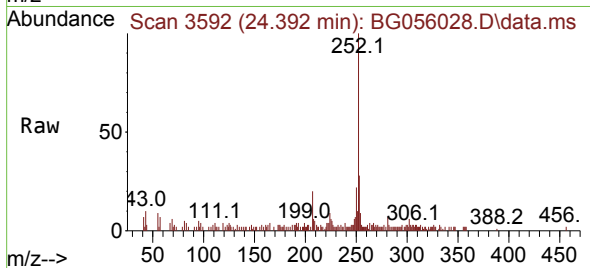
Tgt Ion:252 Resp: 38808

Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.0#

125 3.8 1.8 2.8#



#89

Benzo(k)fluoranthene

Concen: 5.801 ng

RT: 24.392 min Scan# 3592

Delta R.T. -0.072 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

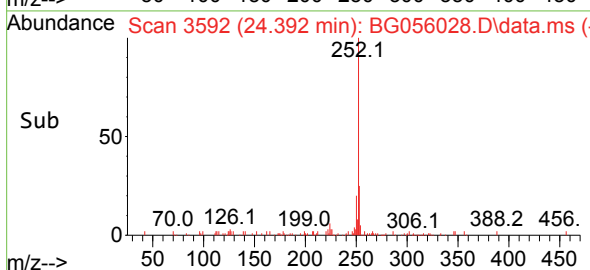
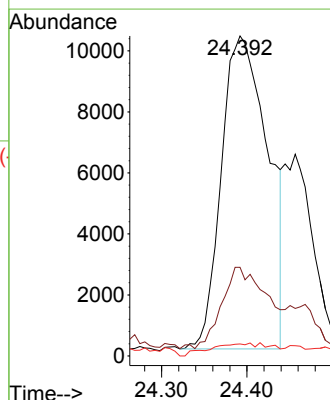
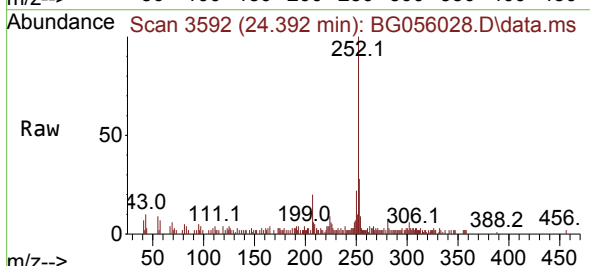
Tgt Ion:252 Resp: 38808

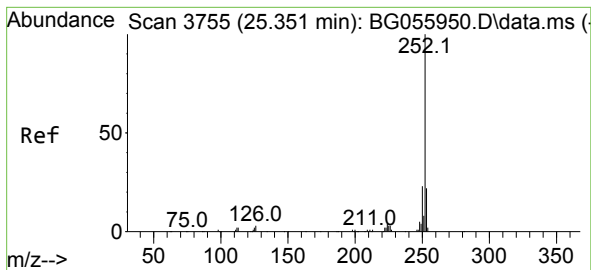
Ion Ratio Lower Upper

252 100

253 27.7 18.2 27.2#

125 3.8 2.0 3.0#





#90

Benzo(a)pyrene

Concen: 4.789 ng

RT: 25.338 min Scan# 3753

Delta R.T. 0.005 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:252 Resp: 27141

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 3.7 1.9 2.9#

