

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056044.D
 Acq On : 21 Dec 2022 11:54
 Operator : CG/JU
 Sample : N6125-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 22 01:22:38 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	8.361	152	10092	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	36182	20.000	ng	# 0.00
39) Acenaphthene-d10	14.965	164	31067	20.000	ng	0.00
64) Phenanthrene-d10	17.703	188	86379	20.000	ng	0.00
76) Chrysene-d12	22.004	240	89589	20.000	ng	0.00
86) Perylene-d12	25.494	264	109143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	43409	100.874	ng	0.00
7) Phenol-d6	7.492	99	52287	94.472	ng	0.00
23) Nitrobenzene-d5	9.531	82	34983	67.566	ng	0.00
42) 2,4,6-Tribromophenol	16.446	330	77434	103.367	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	120022	54.183	ng	0.00
79) Terphenyl-d14	20.277	244	284149	56.056	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.531	70	5292	13.339	ng	# 70
51) 2,6-Dinitrotoluene	14.971	165	4061	9.770	ng	# 25
57) 2,4-Dinitrotoluene	14.971	165	4061	6.473	ng	# 35
63) Azobenzene	16.305	77	13291	8.318	ng	# 1
67) 4-Bromophenyl-phenylether	16.446	248	4331	3.422	ng	# 1
77) Benzidine	20.277	184	4071	2.587	ng	# 85

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

Abundance

TIC: BG056044.D\data.ms

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

Time-->

4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00 32.00

2-Fluorophenol,S

Phenol-d6,S

1,4-Dichlorobenzene-d4,I

Nitrobenzene-d5,N

Naphthalene-d8,I

2-Fluorobiphenyl,S

2,4-Dichlorobiphenyl,I

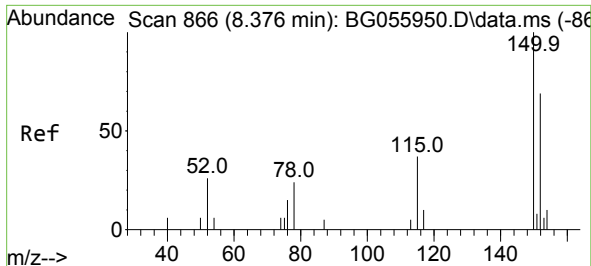
Azobenzene

Phenanthrene-d10,I

Benzo[a]pyrene-d14,S

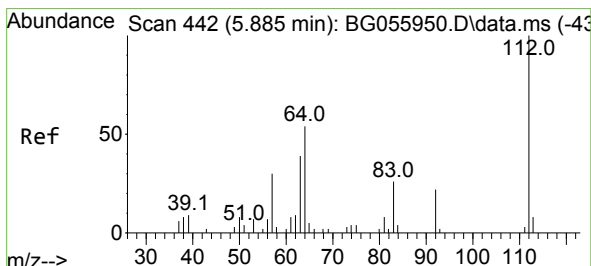
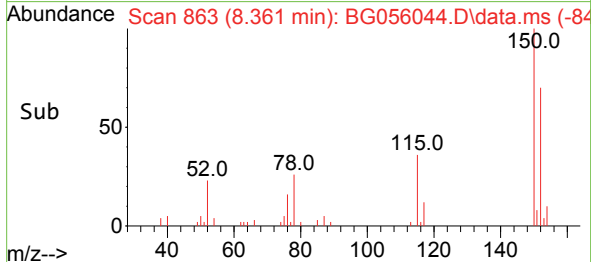
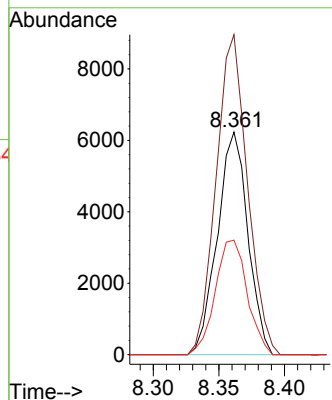
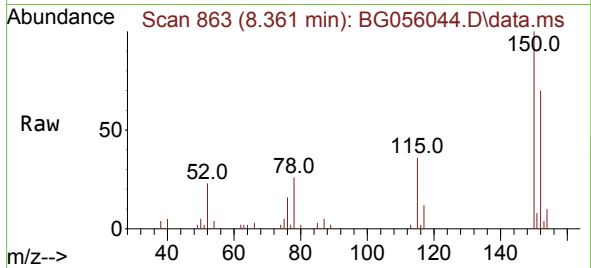
Chrysene-d12,I

Perylene-d12,I



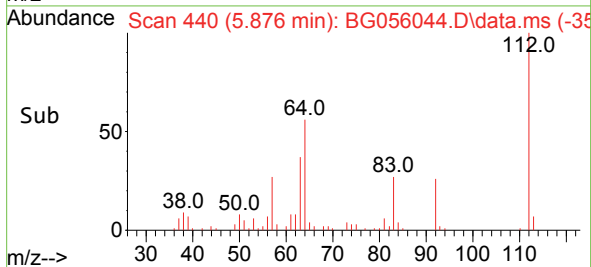
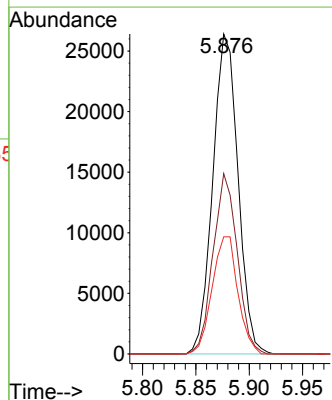
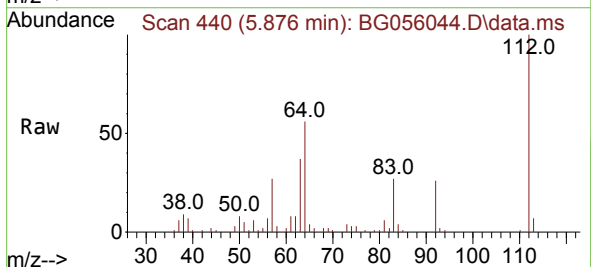
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 863
Delta R.T. -0.004 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

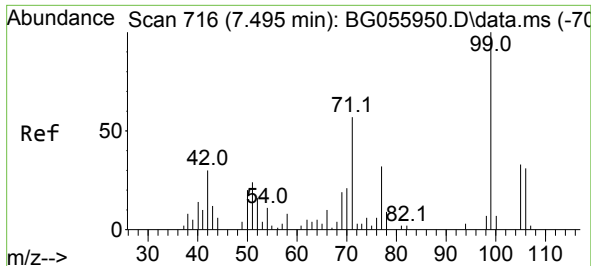
Tgt Ion:152 Resp: 10092
Ion Ratio Lower Upper
152 100
150 143.8 115.7 173.5
115 51.5 43.0 64.4



#5
2-Fluorophenol
Concen: 100.874 ng
RT: 5.876 min Scan# 440
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

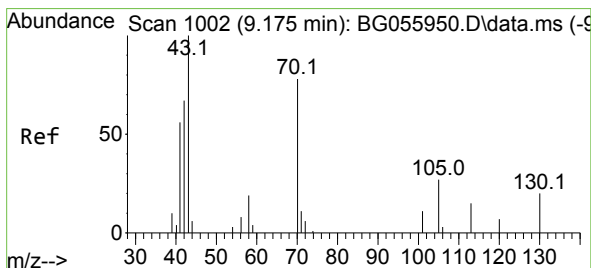
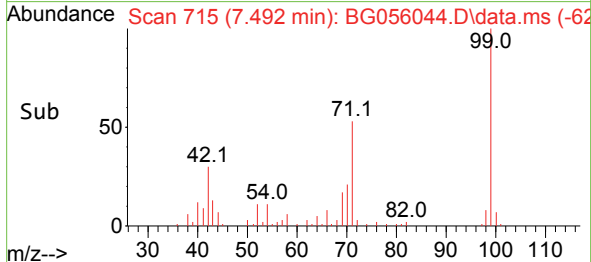
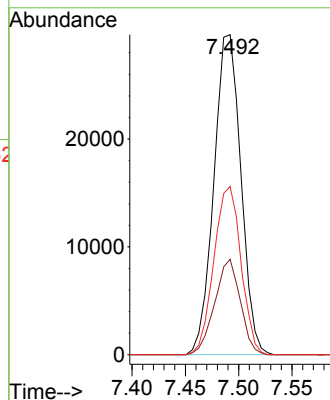
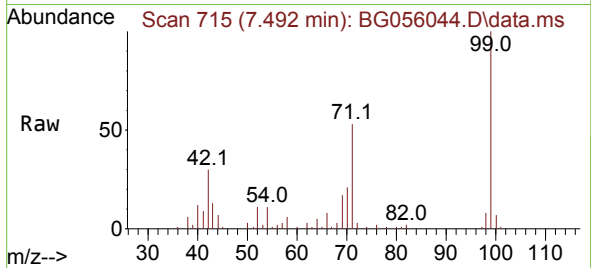
Tgt Ion:112 Resp: 43409
Ion Ratio Lower Upper
112 100
64 56.3 43.0 64.4
63 36.6 31.4 47.2





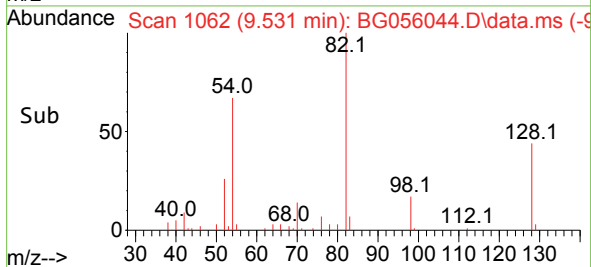
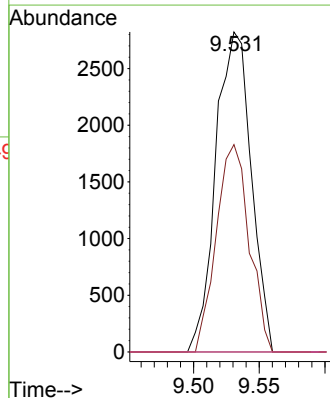
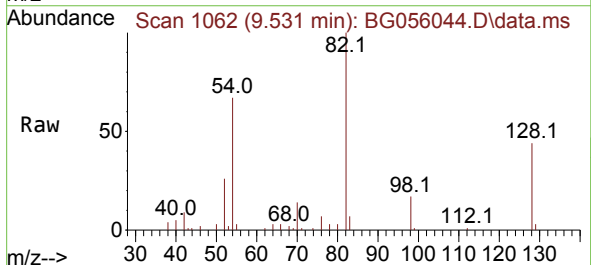
#7
Phenol-d6
Concen: 94.472 ng
RT: 7.492 min Scan# 715
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

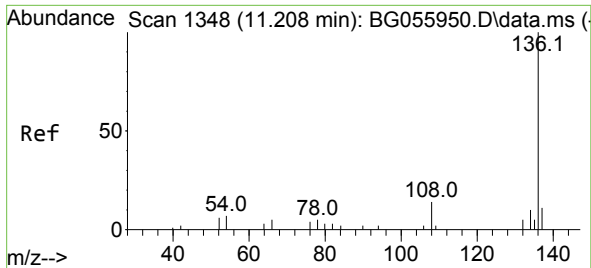
Tgt Ion: 99 Resp: 52287
Ion Ratio Lower Upper
99 100
42 29.8 24.3 36.5
71 52.6 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.339 ng
RT: 9.531 min Scan# 1062
Delta R.T. 0.361 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

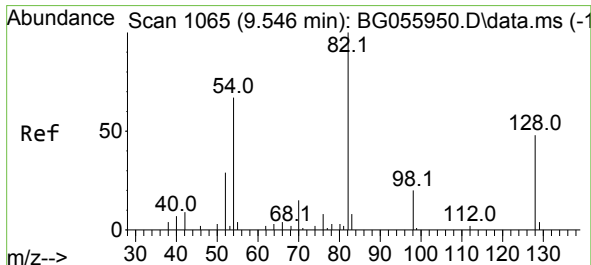
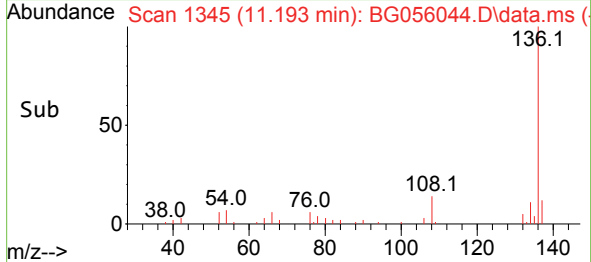
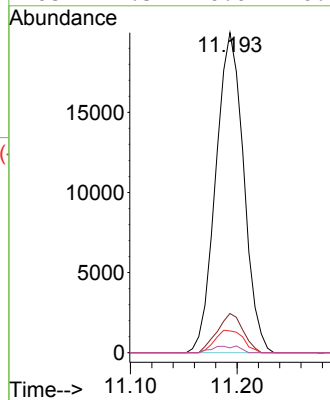
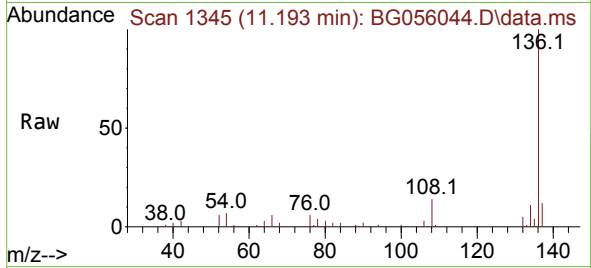
Tgt Ion: 70 Resp: 5292
Ion Ratio Lower Upper
70 100
42 64.8 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#





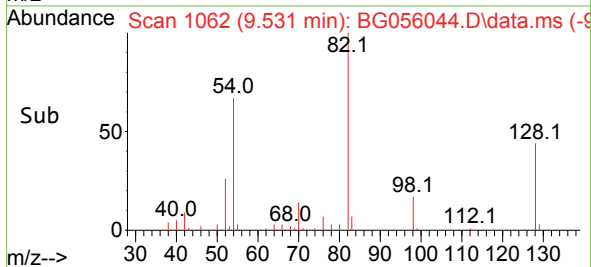
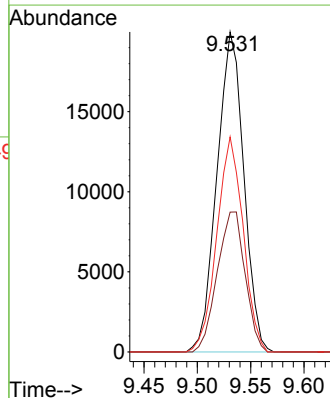
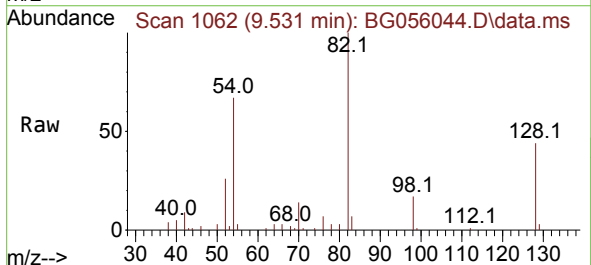
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1345
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

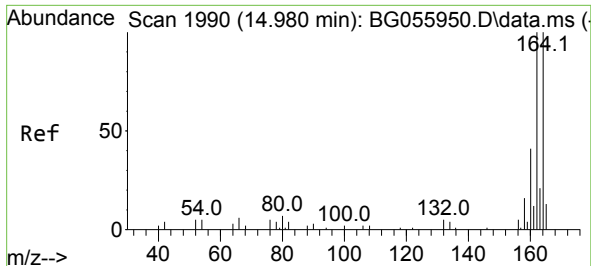
Tgt Ion:136 Resp: 36182
Ion Ratio Lower Upper
136 100
137 12.3 9.2 13.8
54 6.8 5.6 8.4
68 1.5 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 67.566 ng
RT: 9.531 min Scan# 1062
Delta R.T. -0.009 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

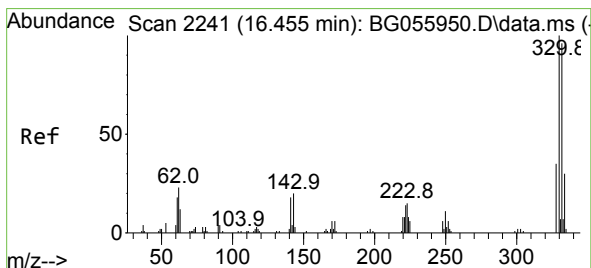
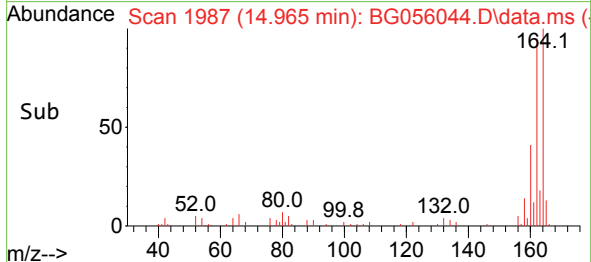
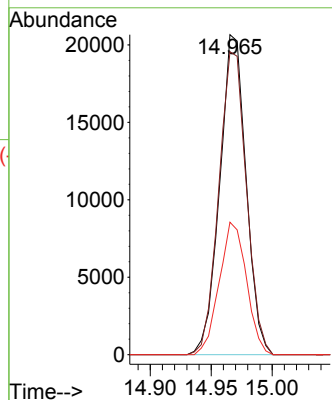
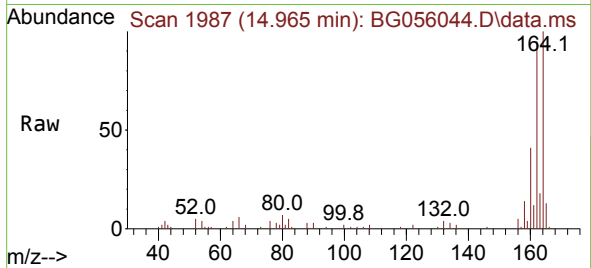
Tgt Ion: 82 Resp: 34983
Ion Ratio Lower Upper
82 100
128 43.7 38.4 57.6
54 67.2 53.3 79.9





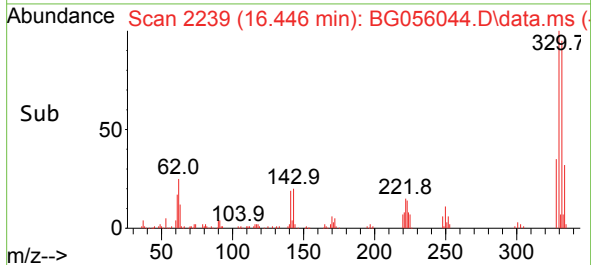
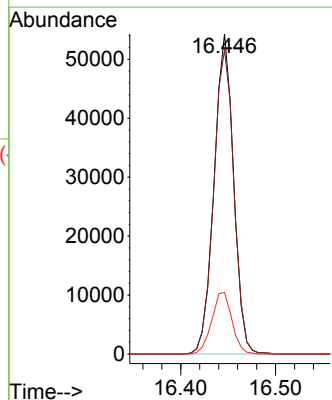
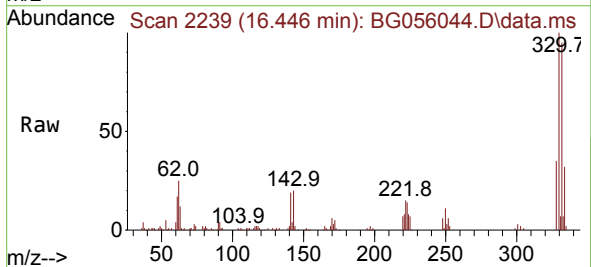
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1987
Delta R.T. -0.009 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

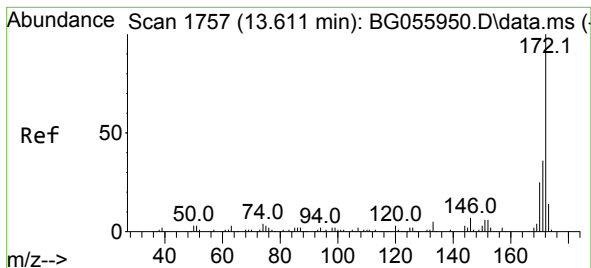
Tgt Ion:164 Resp: 31067
Ion Ratio Lower Upper
164 100
162 94.7 79.8 119.8
160 41.4 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 103.367 ng
RT: 16.446 min Scan# 2239
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

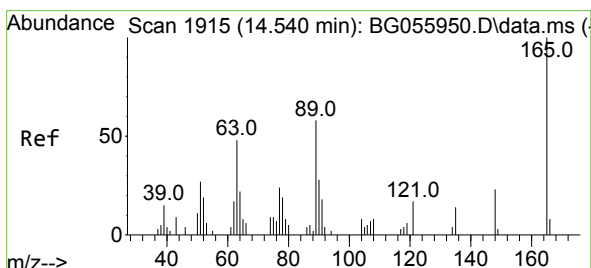
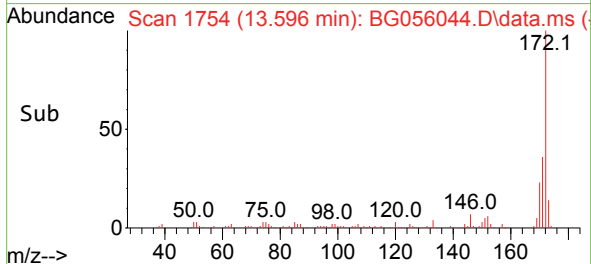
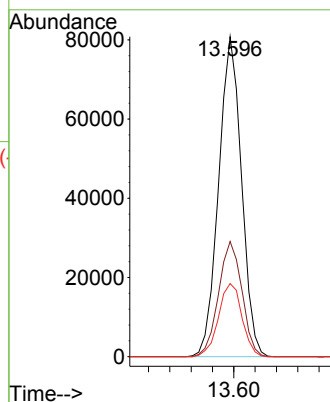
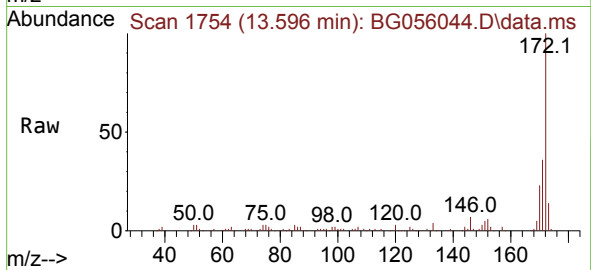
Tgt Ion:330 Resp: 77434
Ion Ratio Lower Upper
330 100
332 98.5 76.6 114.8
141 20.0 15.0 22.4





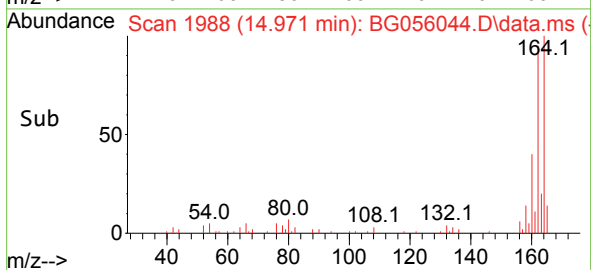
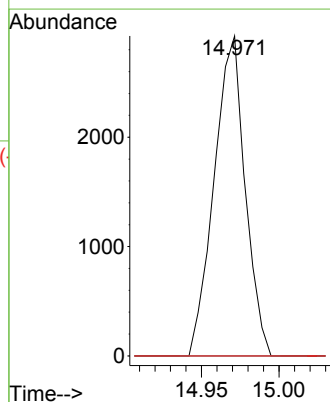
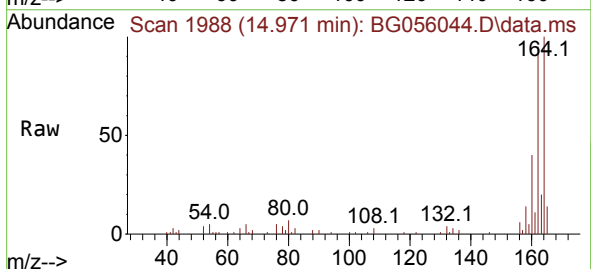
#45
2-Fluorobiphenyl
Concen: 54.183 ng
RT: 13.596 min Scan# 1754
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

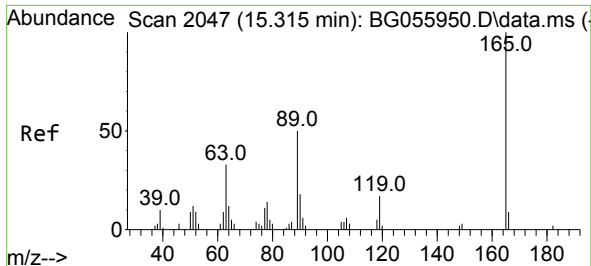
Tgt Ion:172 Resp: 120022
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 22.9 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 14.971 min Scan# 1988
Delta R.T. 0.437 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

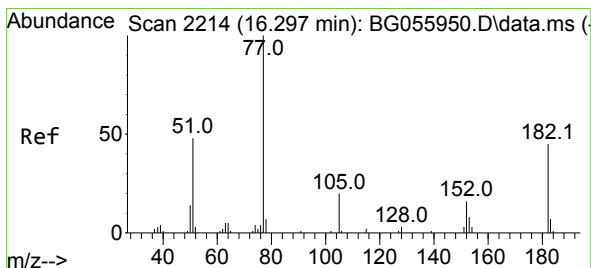
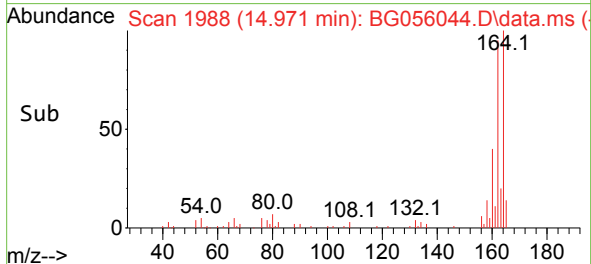
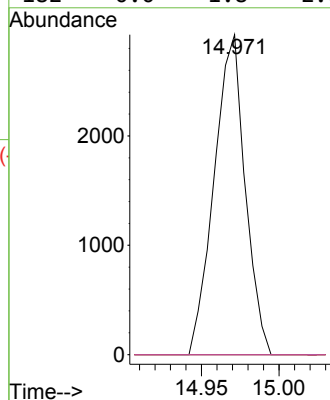
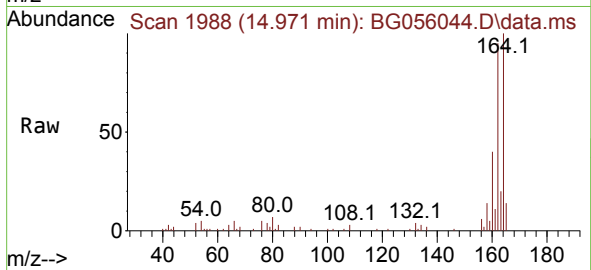
Tgt Ion:165 Resp: 4061
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





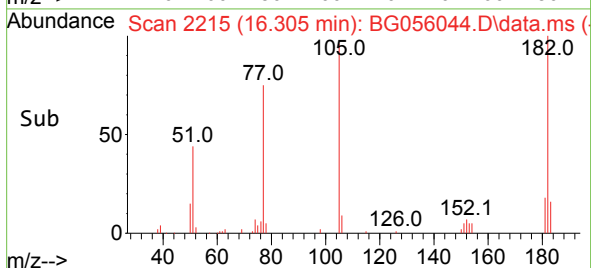
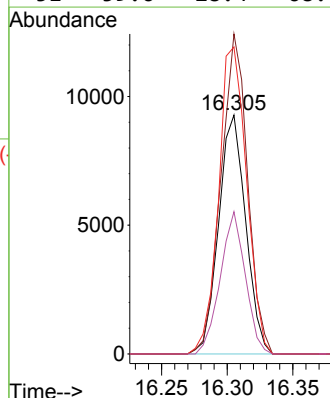
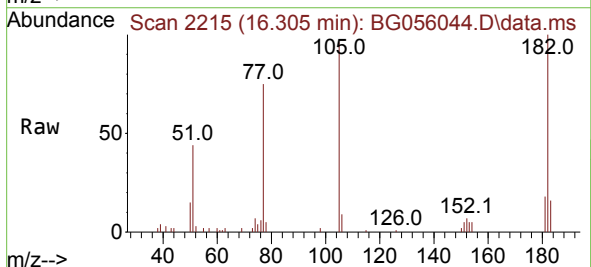
#57
2,4-Dinitrotoluene
Concen: 6.473 ng
RT: 14.971 min Scan# 1988
Delta R.T. -0.344 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

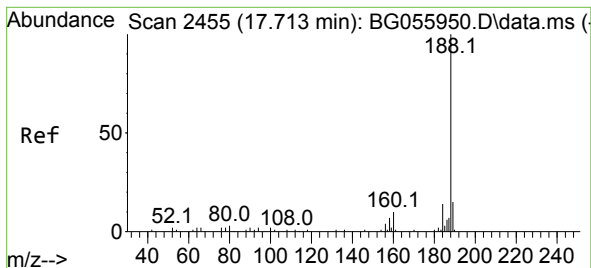
Tgt Ion:165	Resp:	4061
Ion	Ratio	Lower Upper
165	100	
63	0.0	26.6 39.8#
89	0.0	40.1 60.1#
182	0.0	1.8 2.6#



#63
Azobenzene
Concen: 8.318 ng
RT: 16.305 min Scan# 2215
Delta R.T. 0.014 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

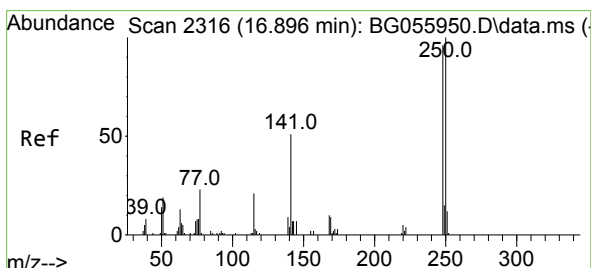
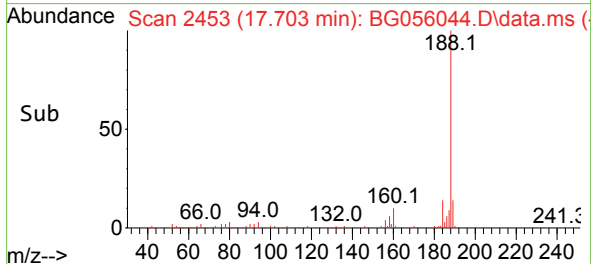
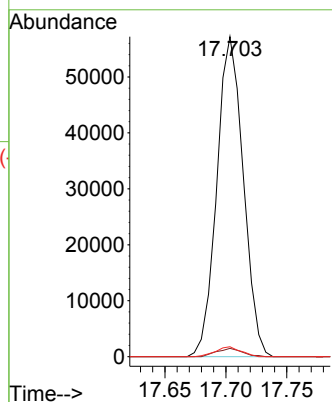
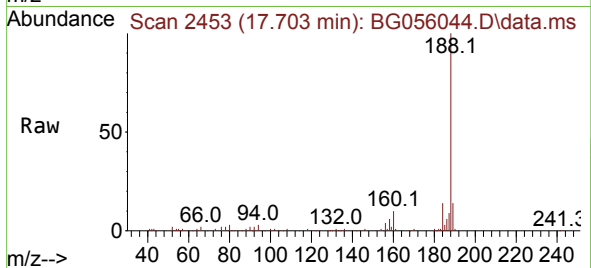
Tgt Ion: 77	Resp:	13291
Ion	Ratio	Lower Upper
77	100	
182	133.9	24.7 64.7#
105	128.5	0.3 40.3#
51	59.6	28.4 68.4





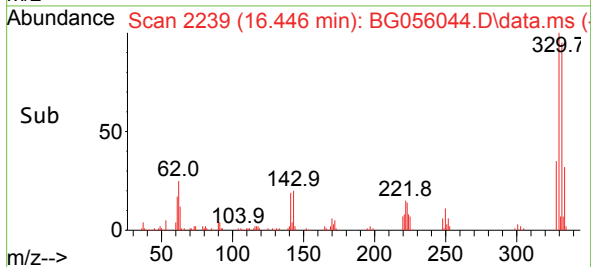
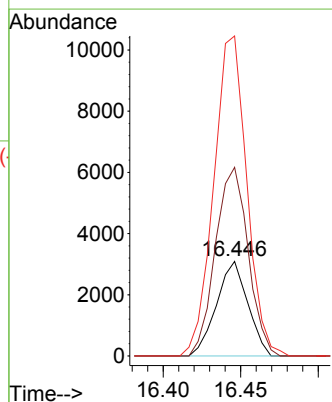
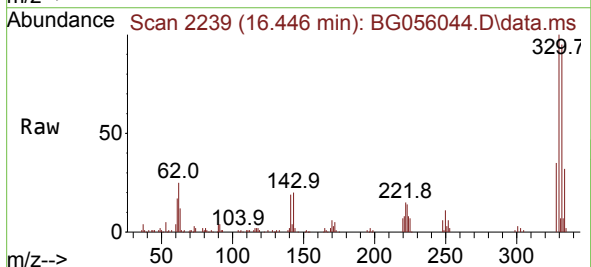
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.703 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

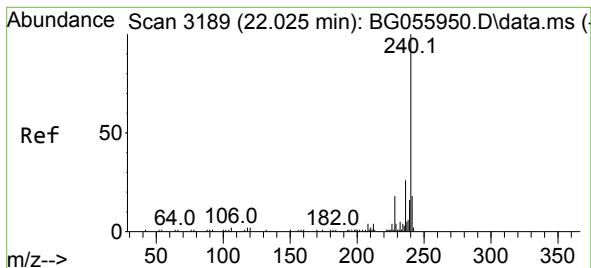
Tgt Ion:188 Resp: 86379
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 3.1 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.422 ng
RT: 16.446 min Scan# 2239
Delta R.T. -0.444 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

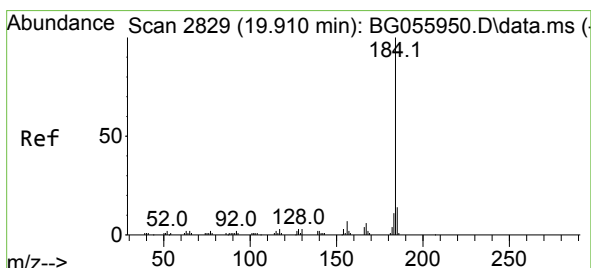
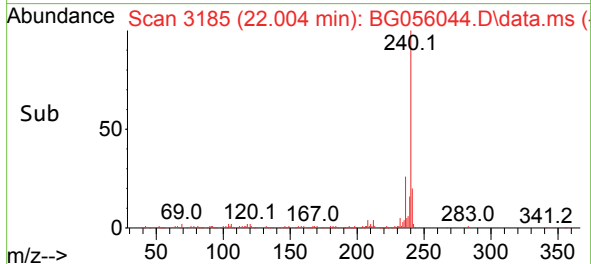
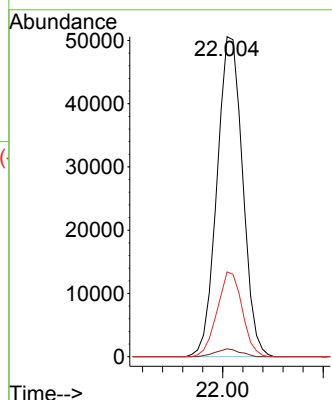
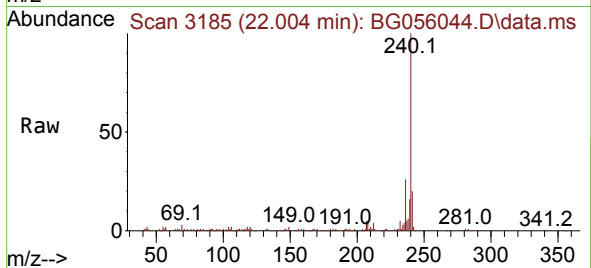
Tgt Ion:248 Resp: 4331
Ion Ratio Lower Upper
248 100
250 199.4 83.0 124.6#
141 338.2 42.6 64.0#





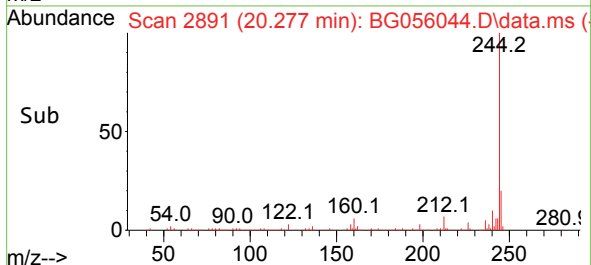
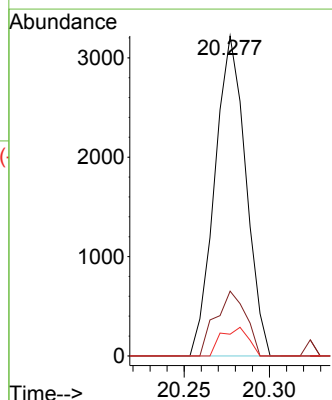
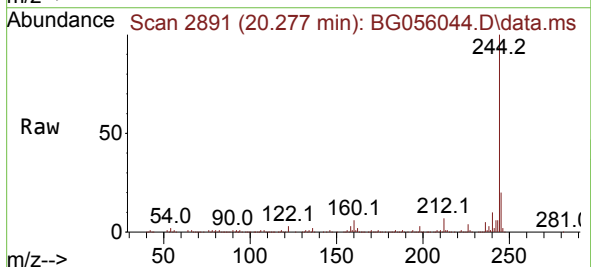
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.004 min Scan# 3185
Delta R.T. -0.009 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

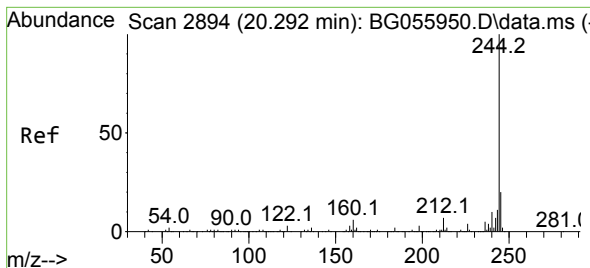
Tgt Ion:240 Resp: 89589
Ion Ratio Lower Upper
240 100
120 2.5 1.7 2.5
236 26.5 21.1 31.7



#77
Benzidine
Concen: 2.587 ng
RT: 20.277 min Scan# 2891
Delta R.T. 0.373 min
Lab File: BG056044.D
Acq: 21 Dec 2022 11:54

Tgt Ion:184 Resp: 4071
Ion Ratio Lower Upper
184 100
185 20.2 10.9 16.3#
183 6.8 9.2 13.8#





#79

Terphenyl-d14

Concen: 56.056 ng

RT: 20.277 min Scan# 2891

Delta R.T. -0.003 min

Lab File: BG056044.D

Acq: 21 Dec 2022 11:54

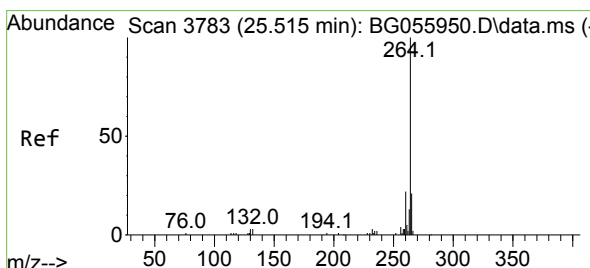
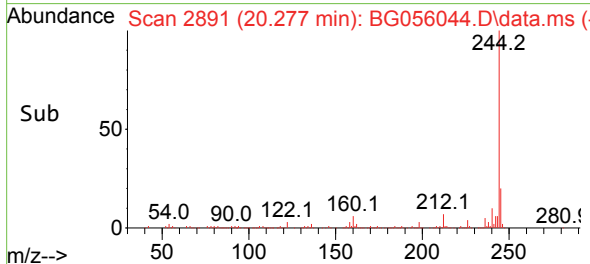
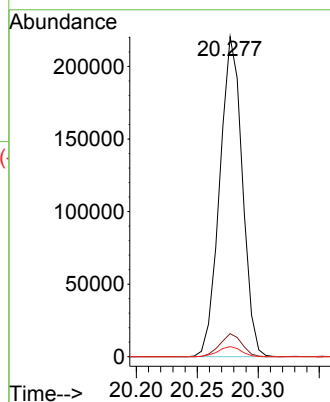
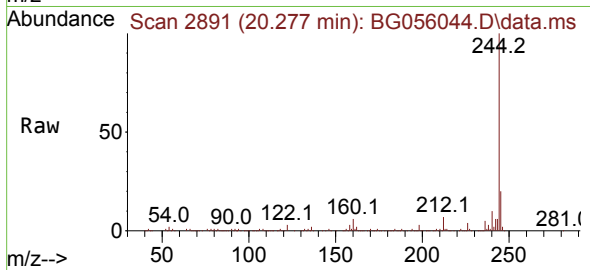
Tgt Ion:244 Resp: 284149

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 3.1 2.5 3.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.494 min Scan# 3779

Delta R.T. -0.003 min

Lab File: BG056044.D

Acq: 21 Dec 2022 11:54

Tgt Ion:264 Resp: 109143

Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.8

265 20.9 16.6 25.0

