

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057029.D
 Acq On : 7 Apr 2023 16:40
 Operator : CG/JU
 Sample : 02224-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-03

Quant Time: Apr 08 04:51:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 08 04:45:47 2023
 Response via : Initial Calibration

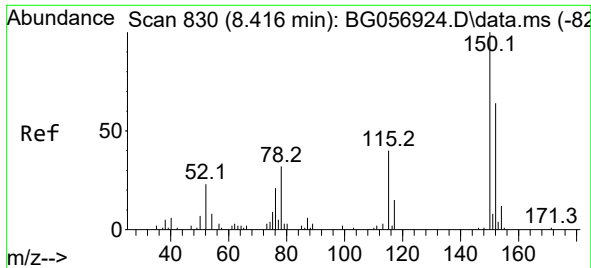
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.404	152	12402	20.000	ng	0.00
21) Naphthalene-d8	11.247	136	52856	20.000	ng	0.00
39) Acenaphthene-d10	15.019	164	39564	20.000	ng	0.00
64) Phenanthrene-d10	17.756	188	97753	20.000	ng	0.00
76) Chrysene-d12	22.074	240	80855	20.000	ng	0.00
86) Perylene-d12	25.616	264	88065	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.919	112	89854	115.954	ng	0.00
7) Phenol-d6	7.540	99	129182	111.463	ng	0.00
23) Nitrobenzene-d5	9.579	82	84658	65.537	ng	0.00
42) 2,4,6-Tribromophenol	16.499	330	67328	106.524	ng	0.00
45) 2-Fluorobiphenyl	13.644	172	204657	70.144	ng	0.00
79) Terphenyl-d14	20.323	244	373437	78.154	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.579	70	11446	13.807	ng	# 80
51) 2,6-Dinitrotoluene	15.019	165	5003	7.428	ng	# 18
57) 2,4-Dinitrotoluene	15.019	165	5003	5.267	ng	# 18
63) Azobenzene	16.352	77	17107	5.493	ng	# 7
67) 4-Bromophenyl-phenylether	16.499	248	4021	3.324	ng	# 1
77) Benzidine	20.323	184	5620	2.543	ng	# 89

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

Quant Time: Apr 08 04:51:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 08 04:45:47 2023
Response via : Initial Calibration

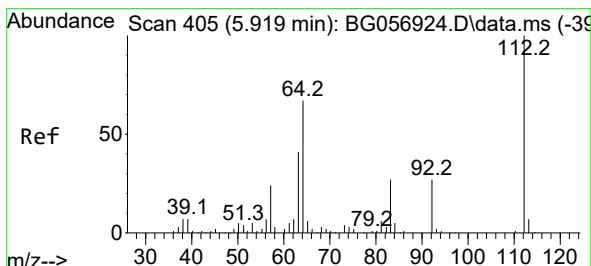
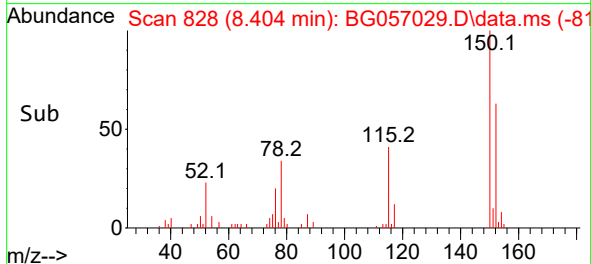
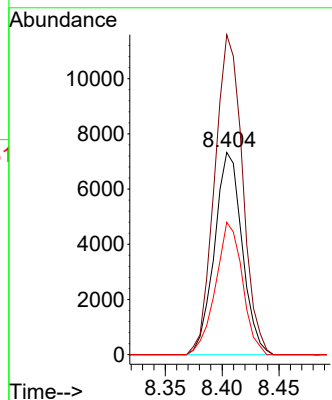
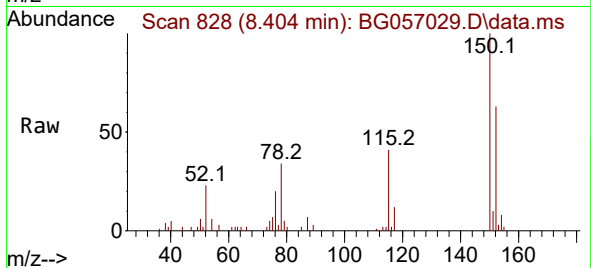




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.404 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

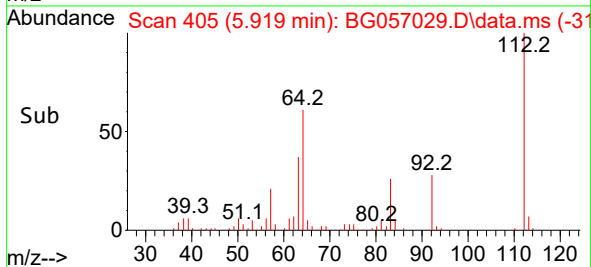
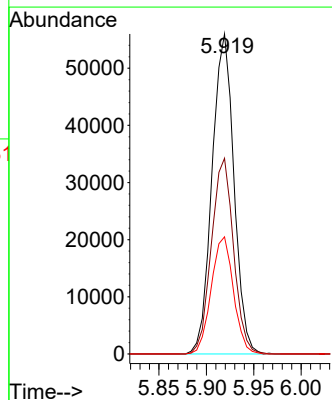
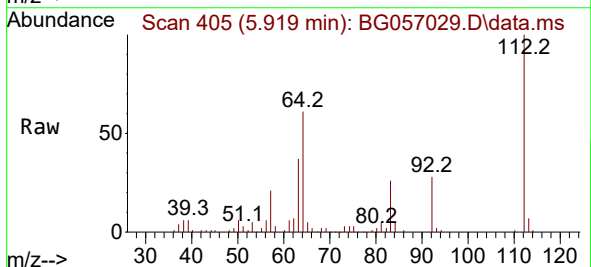
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

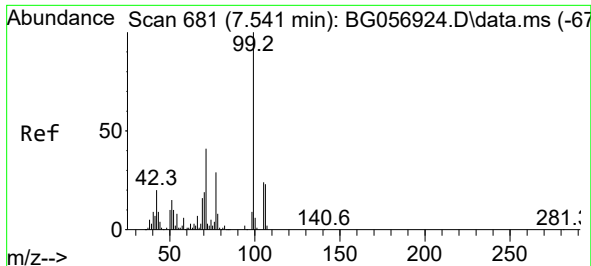
Tgt Ion:152 Resp: 12402
Ion Ratio Lower Upper
152 100
150 158.2 124.1 186.1
115 65.5 49.1 73.7



#5
2-Fluorophenol
Concen: 115.954 ng
RT: 5.919 min Scan# 405
Delta R.T. 0.002 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:112 Resp: 89854
Ion Ratio Lower Upper
112 100
64 61.2 53.2 79.8
63 36.6 32.6 48.8

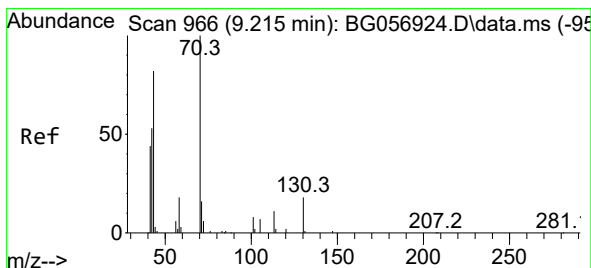
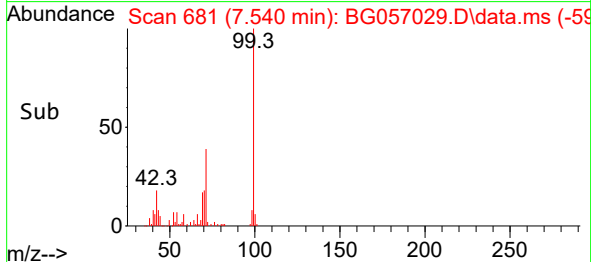
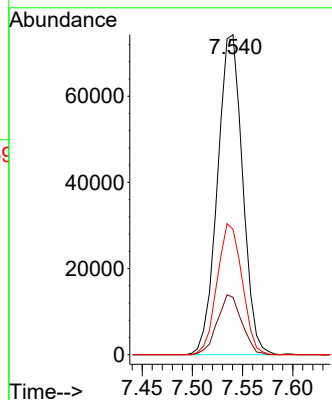
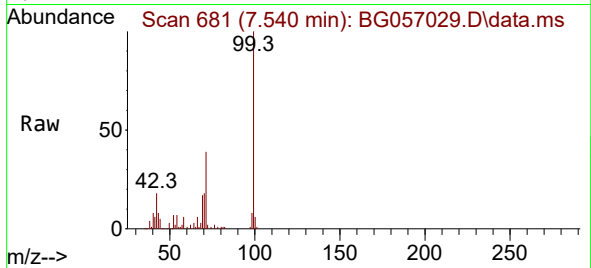




#7
Phenol-d6
Concen: 111.463 ng
RT: 7.540 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

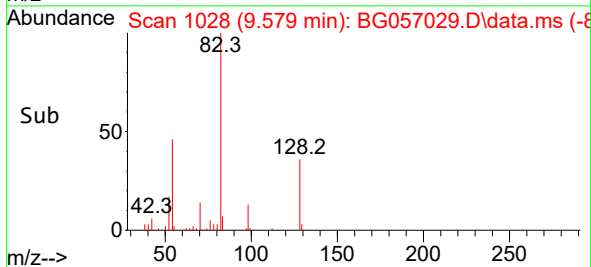
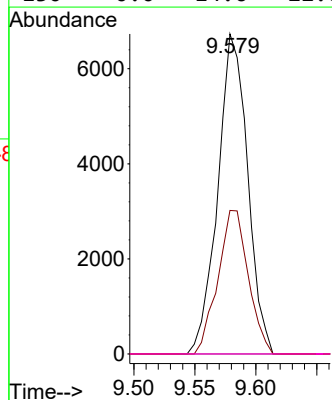
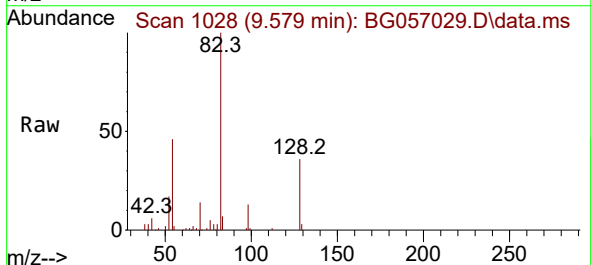
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

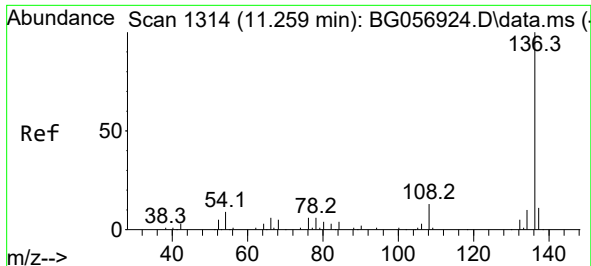
Tgt Ion: 99 Resp: 129182
Ion Ratio Lower Upper
99 100
42 18.0 15.7 23.5
71 39.2 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.807 ng
RT: 9.579 min Scan# 1028
Delta R.T. 0.366 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion: 70 Resp: 11446
Ion Ratio Lower Upper
70 100
42 44.9 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

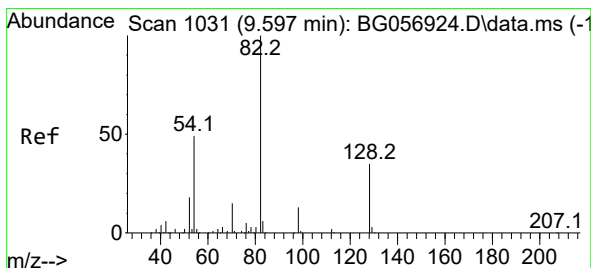
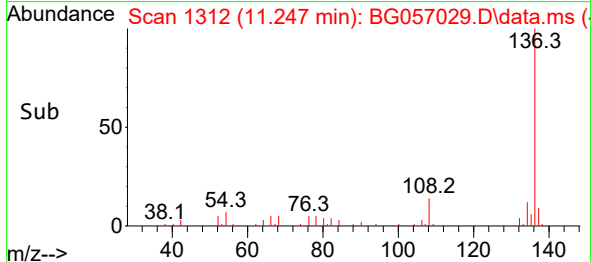
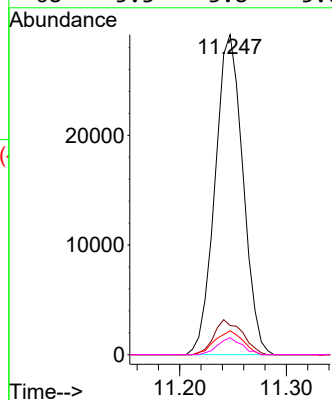
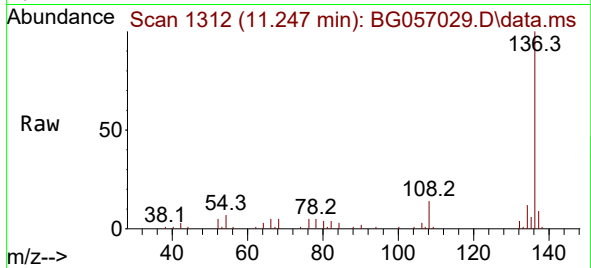




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.247 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

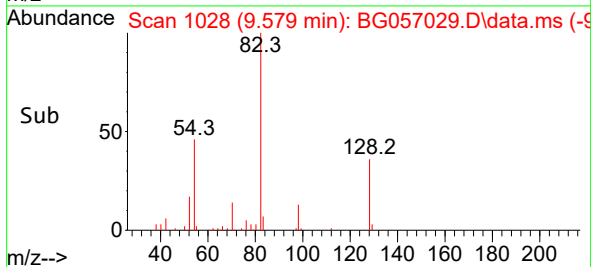
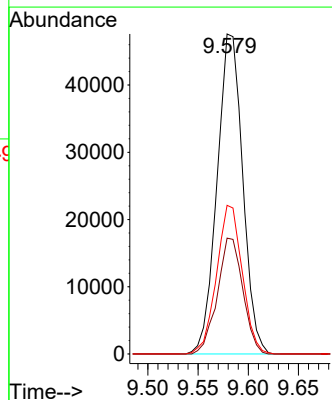
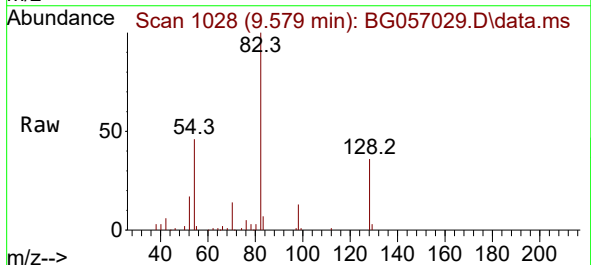
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

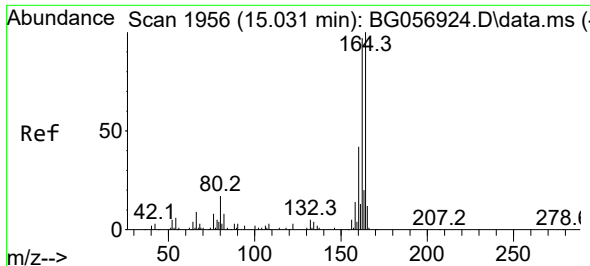
Tgt Ion:	136	Resp:	52856
Ion Ratio	Lower	Upper	
136	100		
137	9.1	8.6	13.0
54	7.5	6.9	10.3
68	5.3	3.8	5.6



#23
Nitrobenzene-d5
Concen: 65.537 ng
RT: 9.579 min Scan# 1028
Delta R.T. -0.010 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:	82	Resp:	84658
Ion Ratio	Lower	Upper	
82	100		
128	36.2	27.9	41.9
54	46.5	39.4	59.2

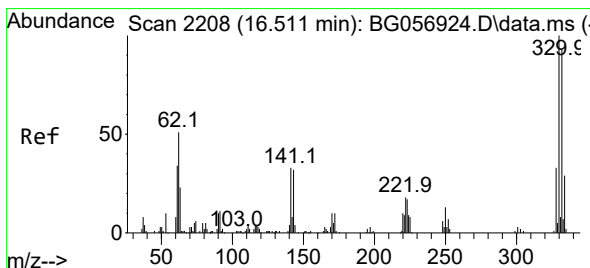
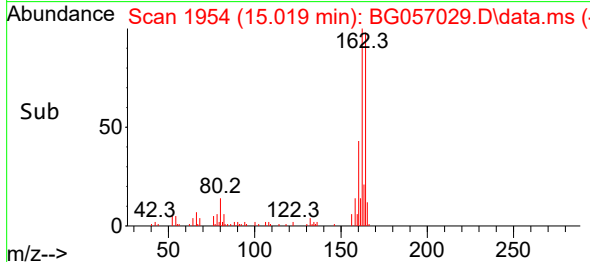
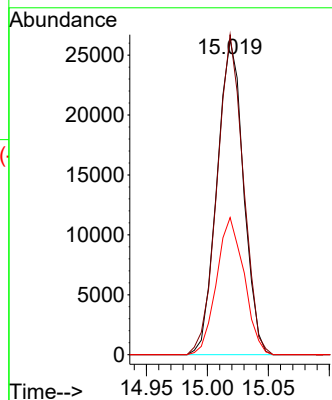
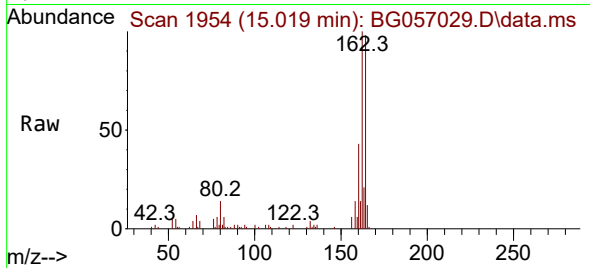




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.019 min Scan# 1954
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

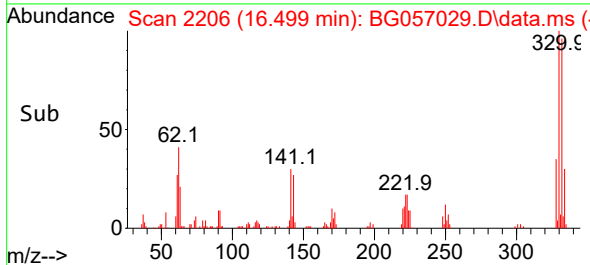
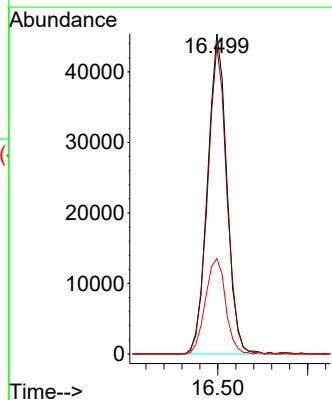
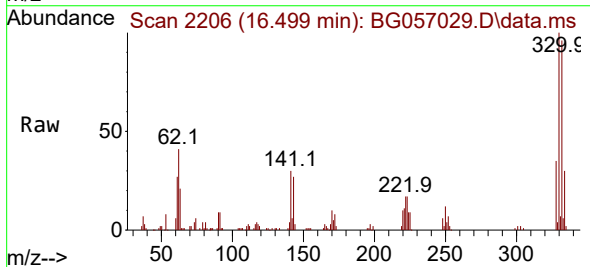
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

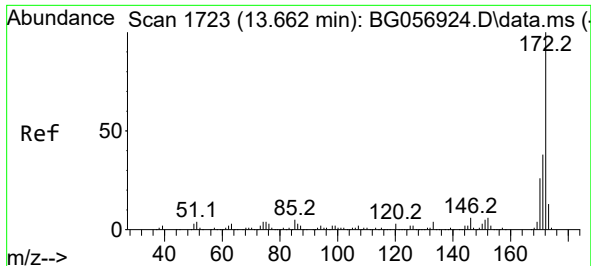
Tgt Ion:164 Resp: 39564
Ion Ratio Lower Upper
164 100
162 101.6 77.8 116.8
160 43.5 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 106.524 ng
RT: 16.499 min Scan# 2206
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:330 Resp: 67328
Ion Ratio Lower Upper
330 100
332 96.3 76.1 114.1
141 31.4 25.8 38.6

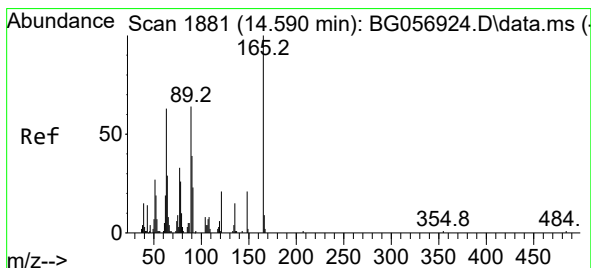
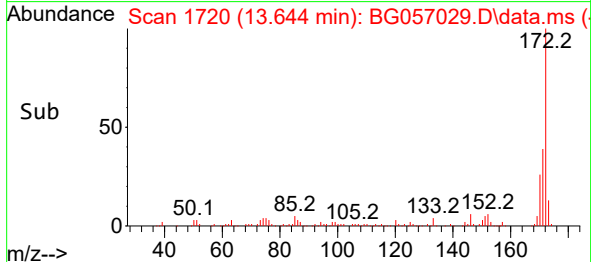
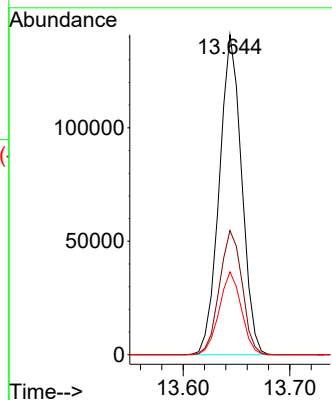
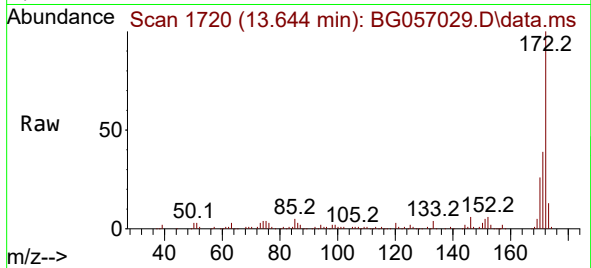




#45
2-Fluorobiphenyl
Concen: 70.144 ng
RT: 13.644 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

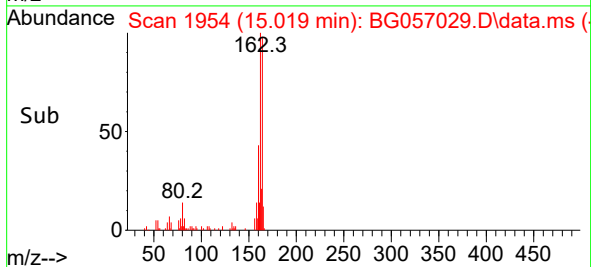
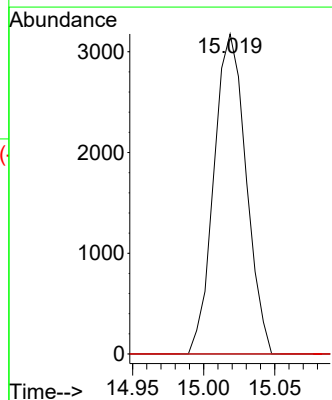
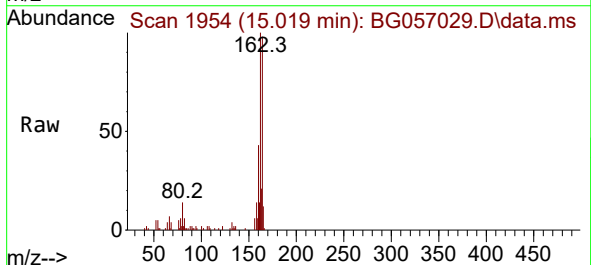
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

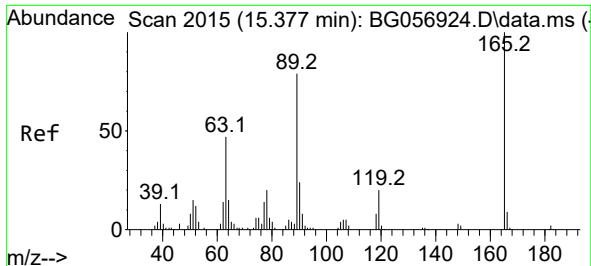
Tgt Ion:172 Resp: 204657
Ion Ratio Lower Upper
172 100
171 38.8 30.6 46.0
170 25.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.428 ng
RT: 15.019 min Scan# 1954
Delta R.T. 0.431 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:165 Resp: 5003
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.267 ng

RT: 15.019 min Scan# 1954

Delta R.T. -0.350 min

Lab File: BG057029.D

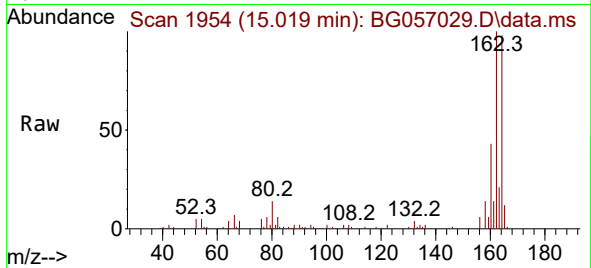
Acq: 7 Apr 2023 16:40

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-03



Tgt Ion:165 Resp: 5003

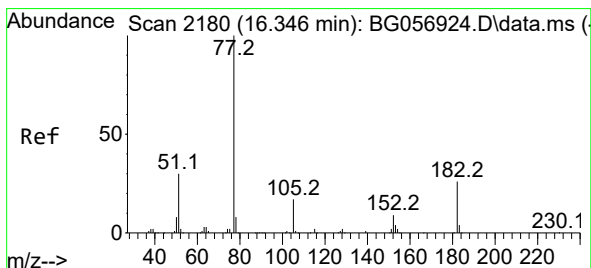
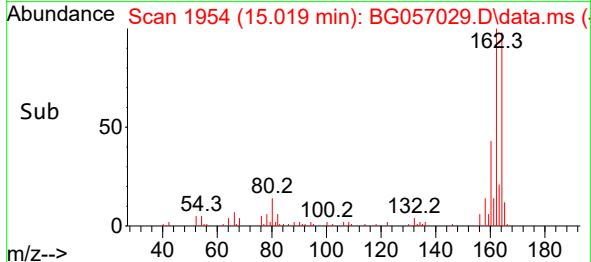
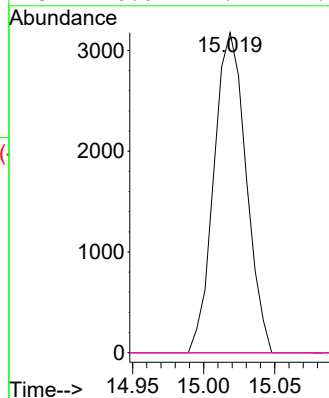
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 5.493 ng

RT: 16.352 min Scan# 2181

Delta R.T. 0.014 min

Lab File: BG057029.D

Acq: 7 Apr 2023 16:40

Tgt Ion: 77 Resp: 17107

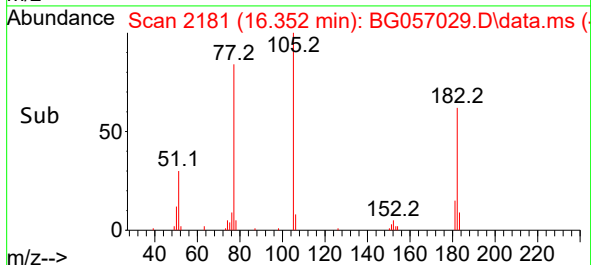
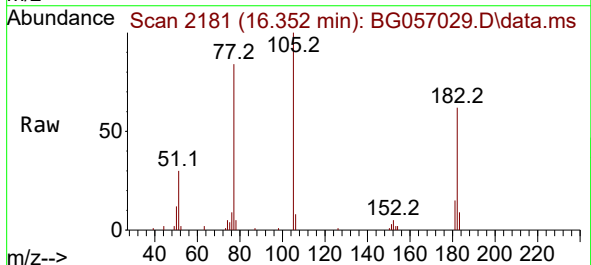
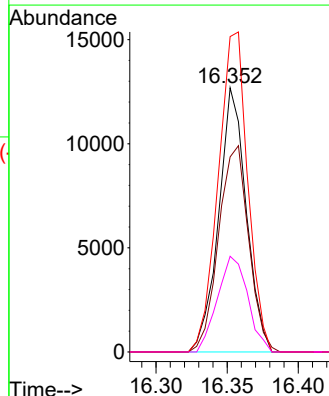
Ion Ratio Lower Upper

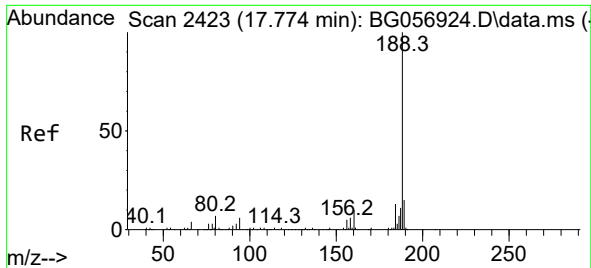
77 100

182 73.8 5.9 45.9#

105 119.4 0.0 36.8#

51 36.2 10.3 50.3

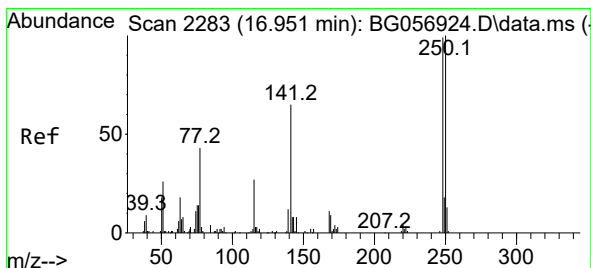
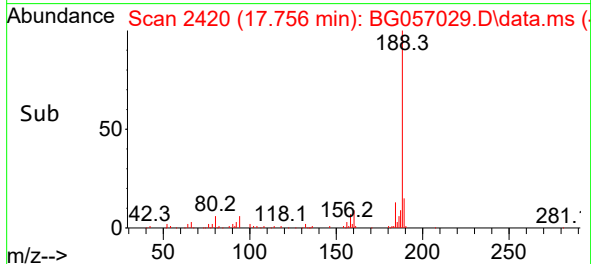
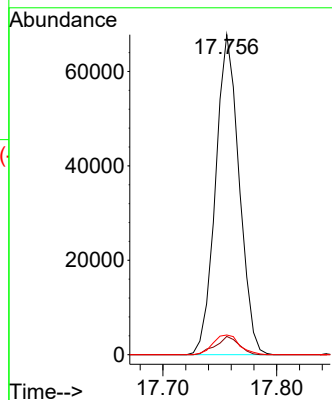
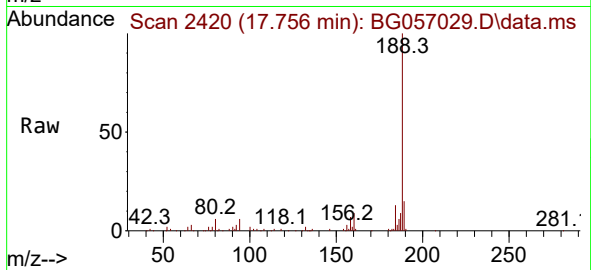




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.756 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

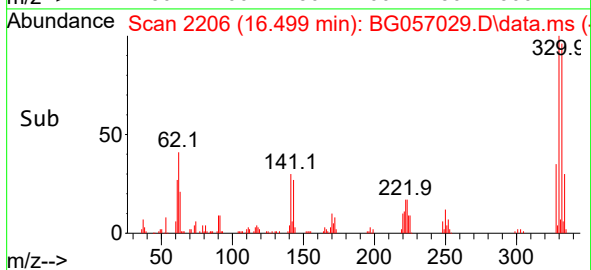
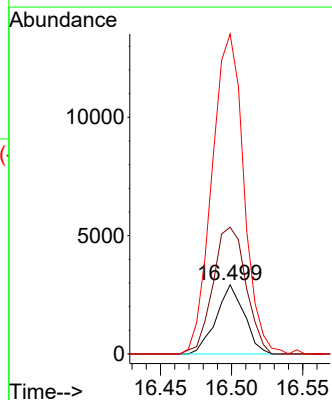
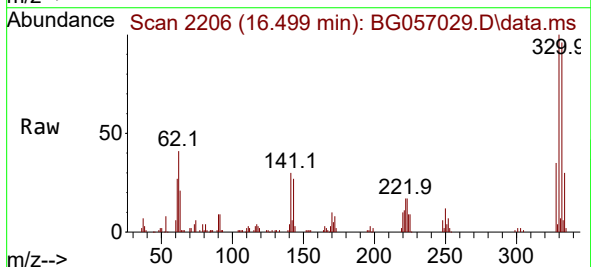
Instrument :
BNA_G
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OU3-FC-BACKFILL-03

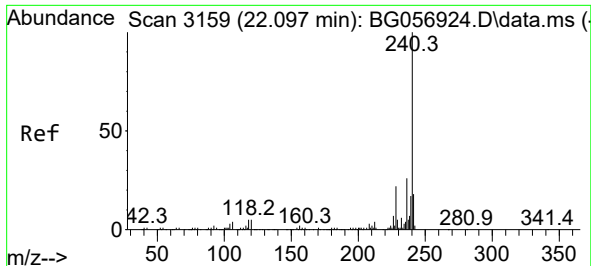
Tgt Ion:188 Resp: 97753
Ion Ratio Lower Upper
188 100
94 5.7 4.6 6.8
80 6.1 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 3.324 ng
RT: 16.499 min Scan# 2206
Delta R.T. -0.438 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:248 Resp: 4021
Ion Ratio Lower Upper
248 100
250 183.3 80.5 120.7#
141 463.1 52.0 78.0#

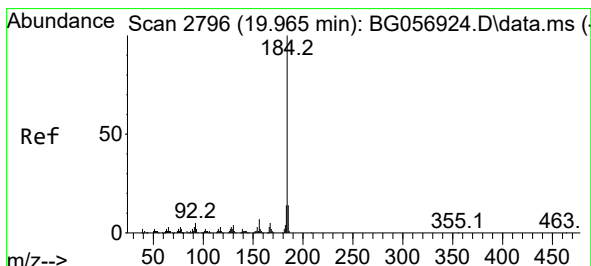
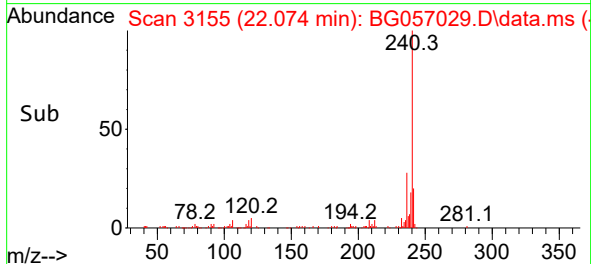
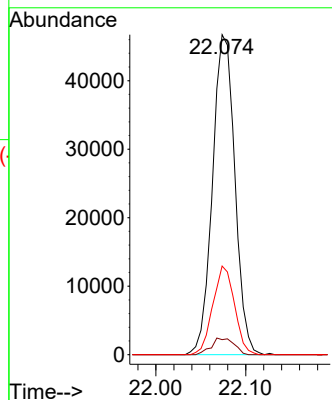
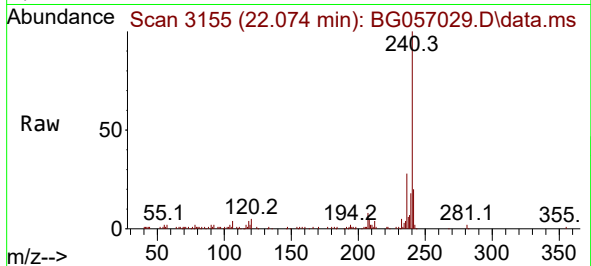




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.074 min Scan# 3159
Delta R.T. -0.010 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

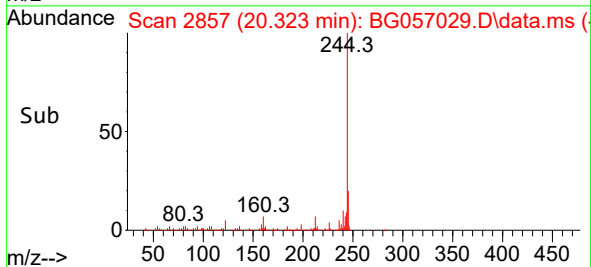
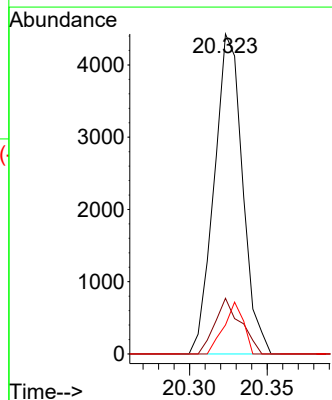
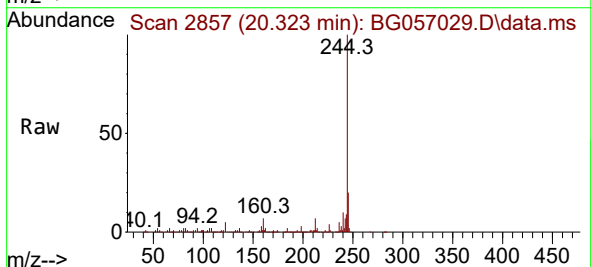
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-03

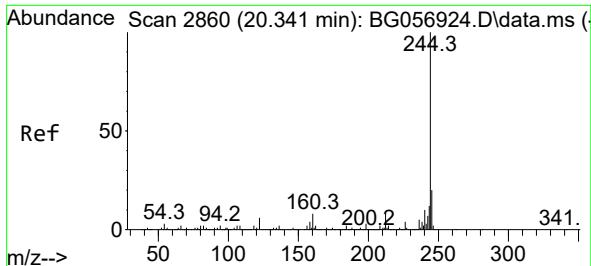
Tgt Ion:240 Resp: 80855
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.6
236 27.7 21.0 31.6



#77
Benzidine
Concen: 2.543 ng
RT: 20.323 min Scan# 2857
Delta R.T. 0.372 min
Lab File: BG057029.D
Acq: 7 Apr 2023 16:40

Tgt Ion:184 Resp: 5620
Ion Ratio Lower Upper
184 100
185 17.4 11.0 16.4#
183 9.1 11.4 17.0#

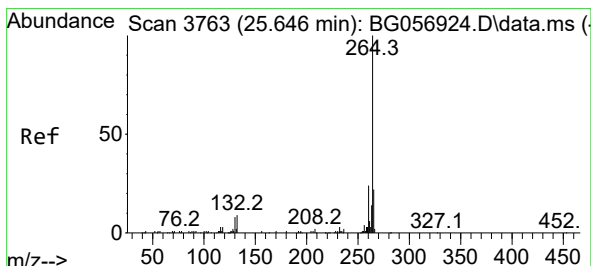
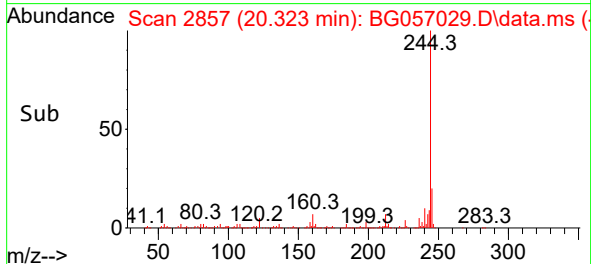
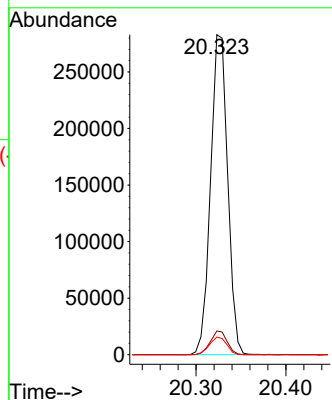
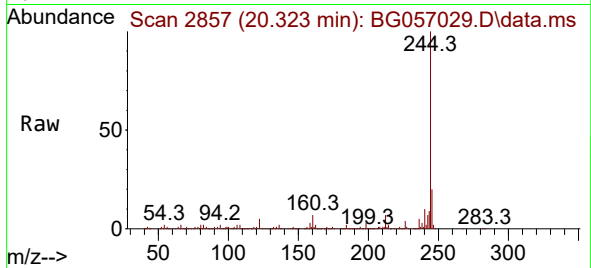




#79
 Terphenyl-d14
 Concen: 78.154 ng
 RT: 20.323 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057029.D
 Acq: 7 Apr 2023 16:40

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-03

Tgt Ion:244 Resp: 373437
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 5.5 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.616 min Scan# 3758
 Delta R.T. -0.015 min
 Lab File: BG057029.D
 Acq: 7 Apr 2023 16:40

Tgt Ion:264 Resp: 88065
 Ion Ratio Lower Upper
 264 100
 260 21.2 19.0 28.4
 265 21.9 17.8 26.6

