

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057034.D
 Acq On : 7 Apr 2023 20:07
 Operator : CG/JU
 Sample : 02224-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-11

Quant Time: Apr 08 04:52:08 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)

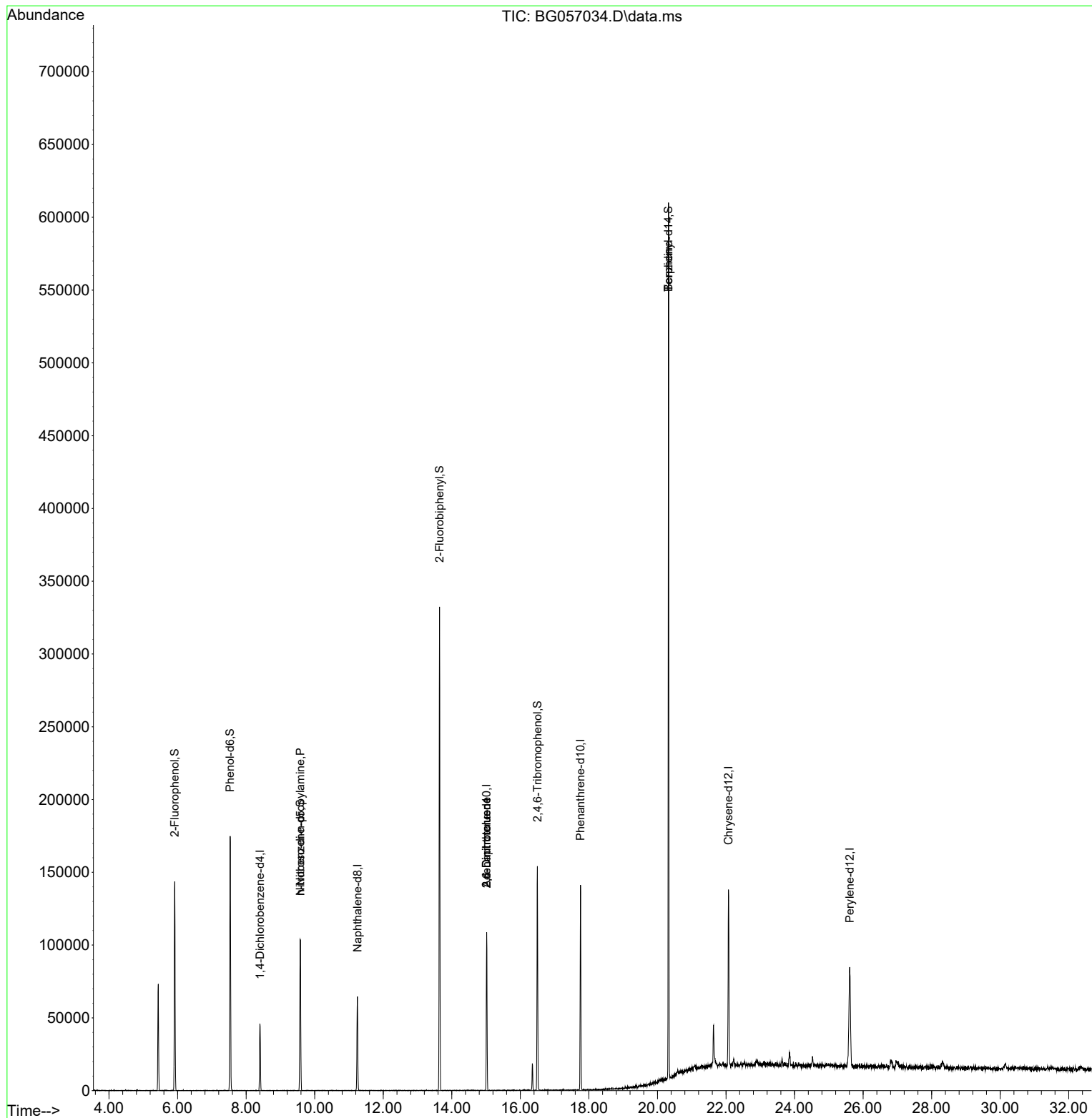
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	13119	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	53439	20.000	ng	0.00
39) Acenaphthene-d10	15.017	164	38927	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	93318	20.000	ng	0.00
76) Chrysene-d12	22.072	240	78373	20.000	ng	-0.01
86) Perylene-d12	25.608	264	84422	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	61624	75.178	ng	0.00
7) Phenol-d6	7.533	99	100310	81.821	ng	0.00
23) Nitrobenzene-d5	9.583	82	69209	52.992	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	32416	52.127	ng	0.00
45) 2-Fluorobiphenyl	13.642	172	166303	57.931	ng	0.00
79) Terphenyl-d14	20.321	244	297976	64.336	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.583	70	9522	10.859	ng	# 70
51) 2,6-Dinitrotoluene	15.017	165	4976	7.509	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	4976	5.324	ng	# 18
77) Benzidine	20.321	184	4851	2.265	ng	# 86

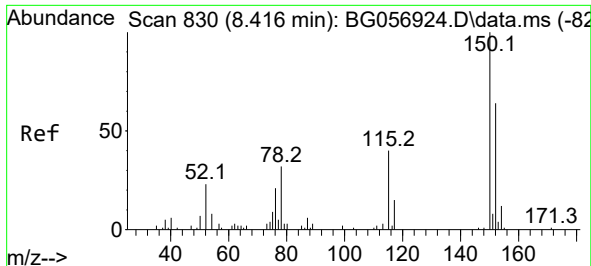
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
OU3-FC-BACKFILL-11

Quant Time: Apr 08 04:52:08 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

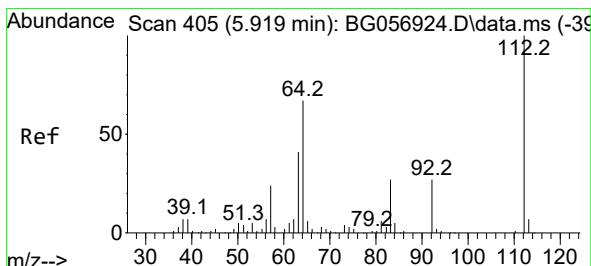
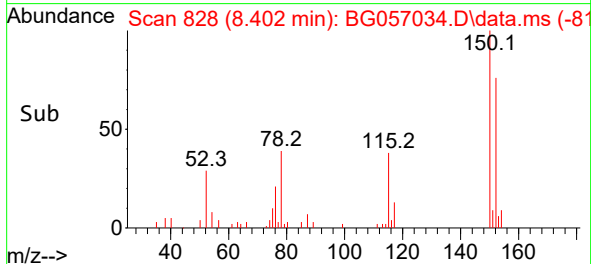
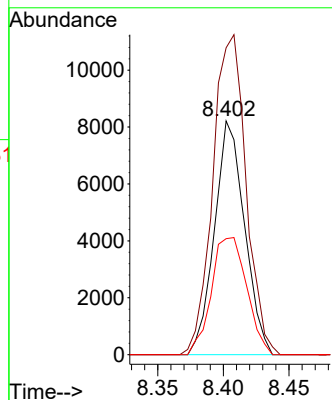
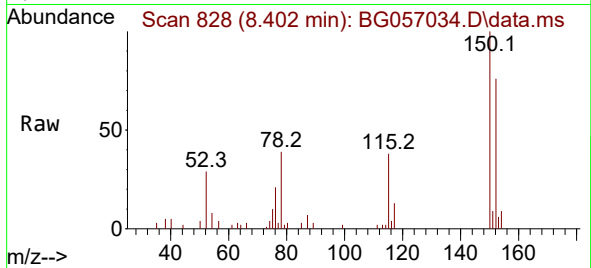




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

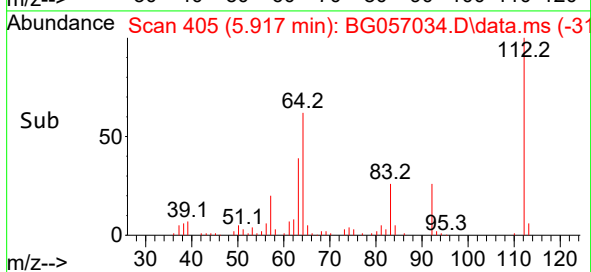
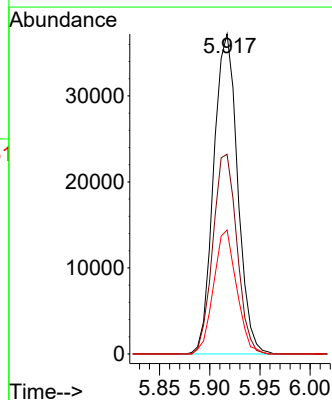
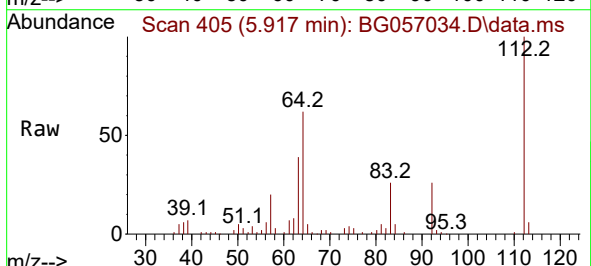
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-11

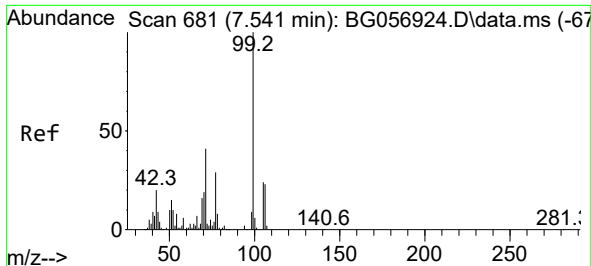
Tgt Ion:152 Resp: 13119
Ion Ratio Lower Upper
152 100
150 131.3 124.1 186.1
115 49.7 49.1 73.7



#5
2-Fluorophenol
Concen: 75.178 ng
RT: 5.917 min Scan# 405
Delta R.T. 0.000 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

Tgt Ion:112 Resp: 61624
Ion Ratio Lower Upper
112 100
64 62.4 53.2 79.8
63 38.7 32.6 48.8

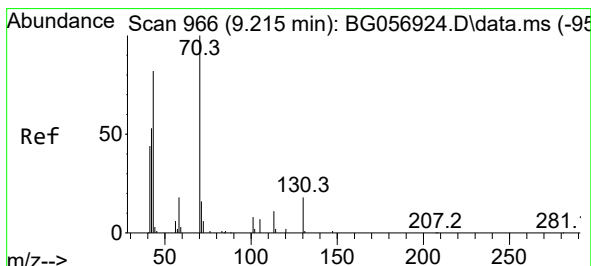
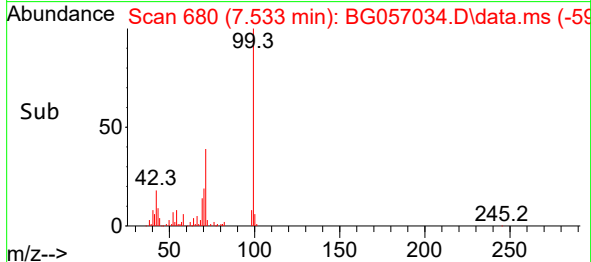
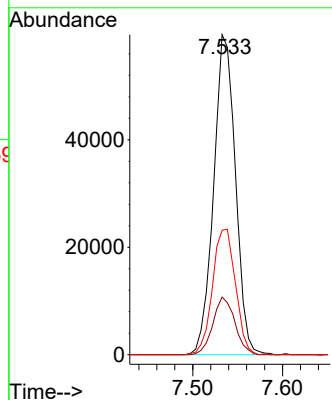
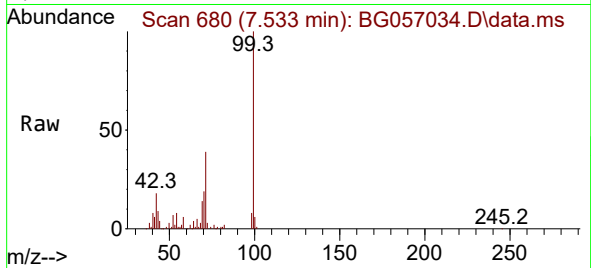




#7
Phenol-d6
Concen: 81.821 ng
RT: 7.533 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

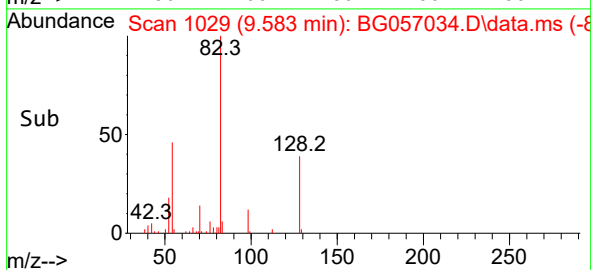
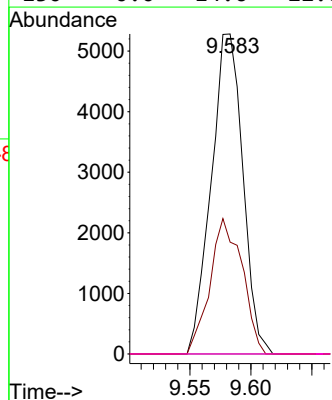
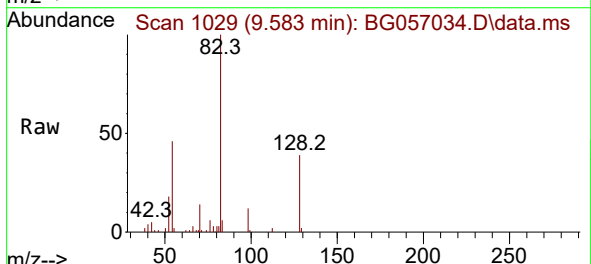
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-11

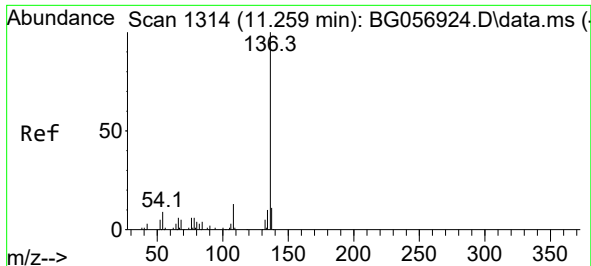
Tgt Ion: 99 Resp: 100310
Ion Ratio Lower Upper
99 100
42 18.0 15.7 23.5
71 38.9 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.859 ng
RT: 9.583 min Scan# 1029
Delta R.T. 0.370 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

Tgt Ion: 70 Resp: 9522
Ion Ratio Lower Upper
70 100
42 34.9 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

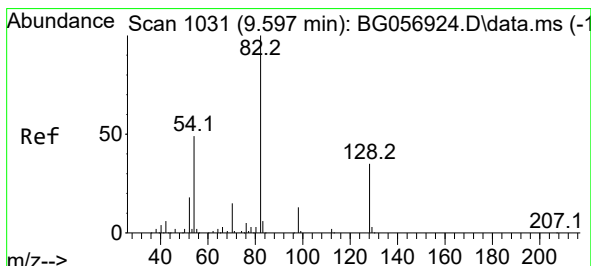
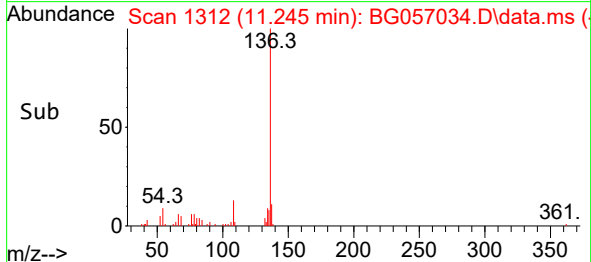
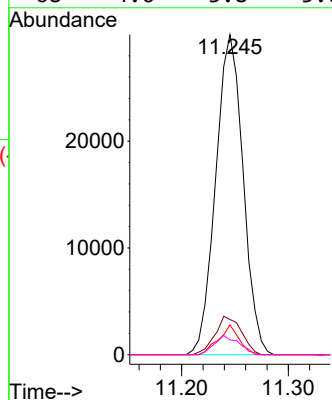
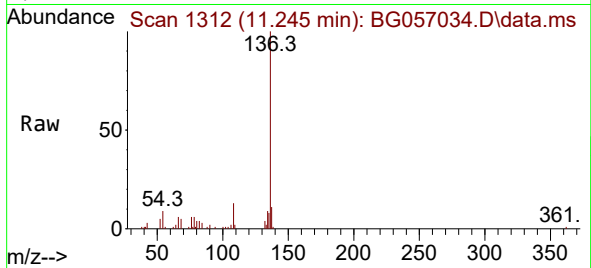




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

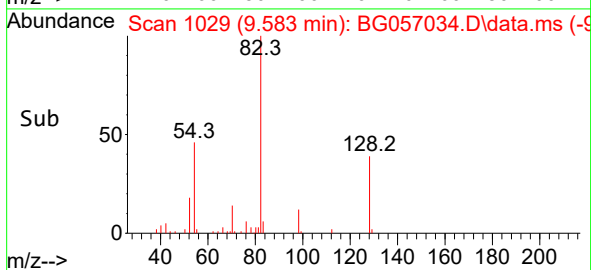
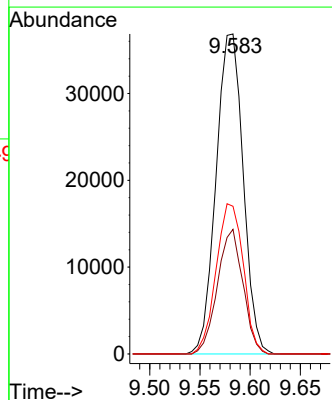
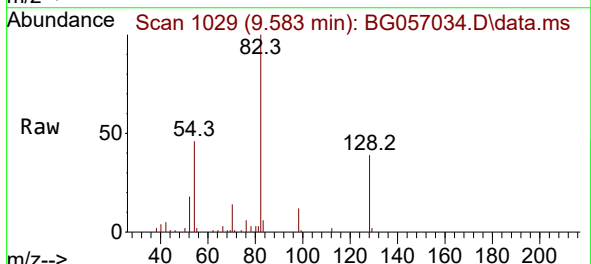
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-11

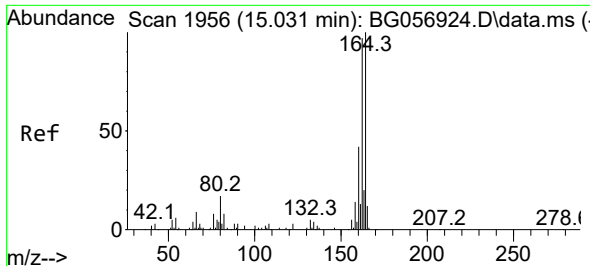
Tgt Ion:	136	Resp:	53439
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.3	6.9	10.3
68	4.6	3.8	5.6



#23
Nitrobenzene-d5
Concen: 52.992 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

Tgt Ion:	82	Resp:	69209
Ion Ratio	Lower	Upper	
82	100		
128	39.0	27.9	41.9
54	46.2	39.4	59.2

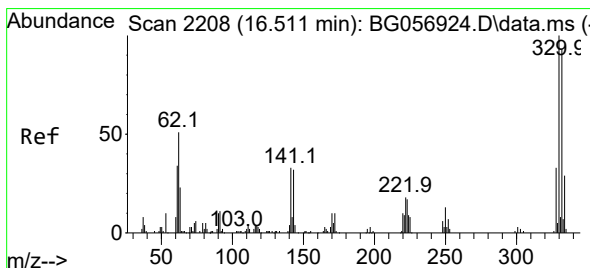
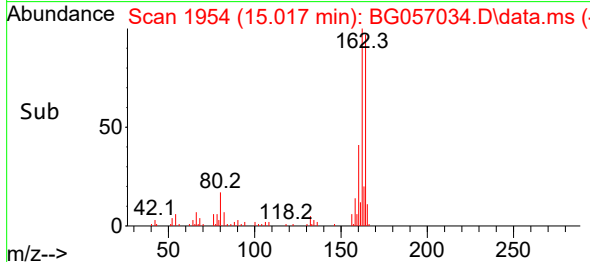
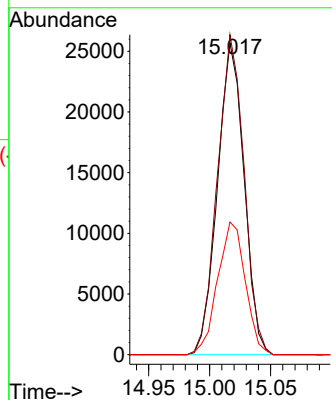
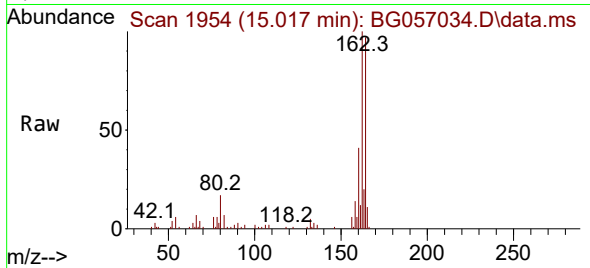




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.017 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

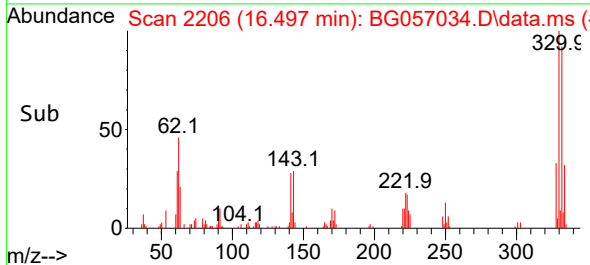
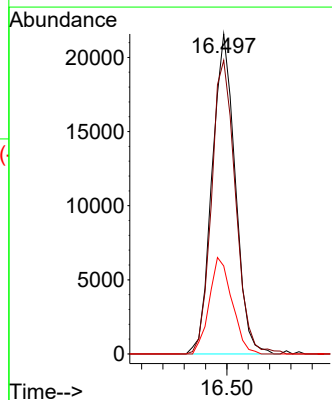
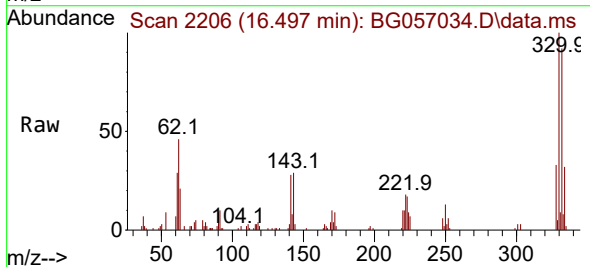
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-11

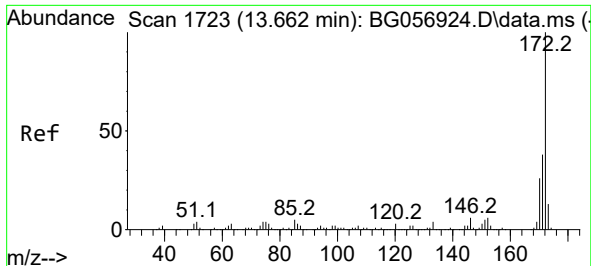
Tgt Ion:164 Resp: 38927
Ion Ratio Lower Upper
164 100
162 102.7 77.8 116.8
160 42.6 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 52.127 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

Tgt Ion:330 Resp: 32416
Ion Ratio Lower Upper
330 100
332 94.9 76.1 114.1
141 29.8 25.8 38.6

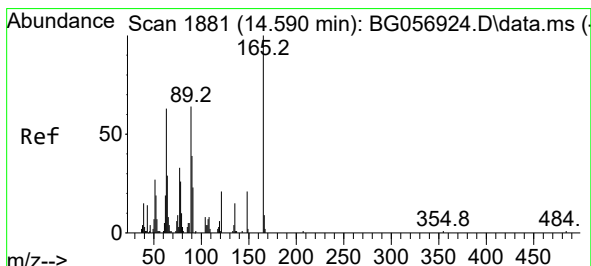
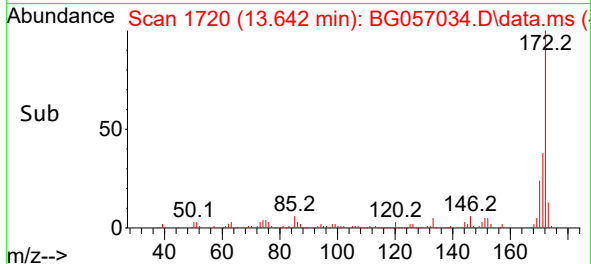
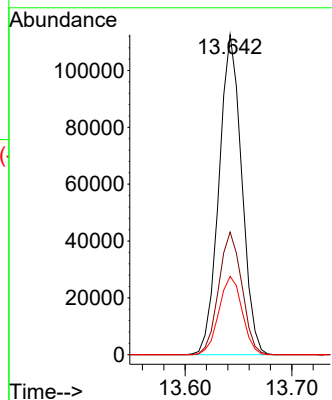
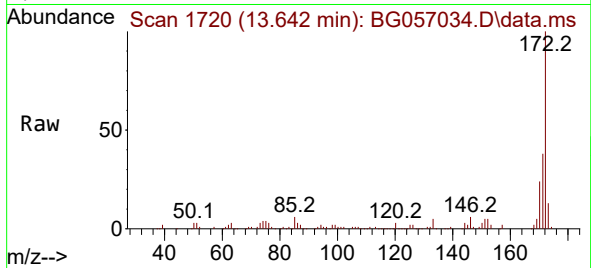




#45
2-Fluorobiphenyl
Concen: 57.931 ng
RT: 13.642 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

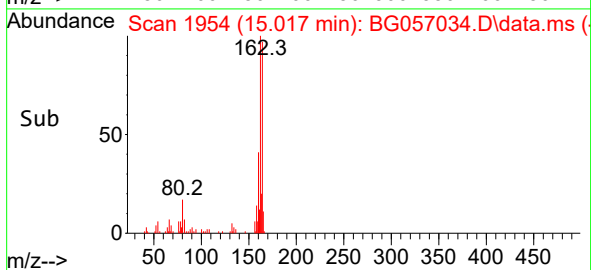
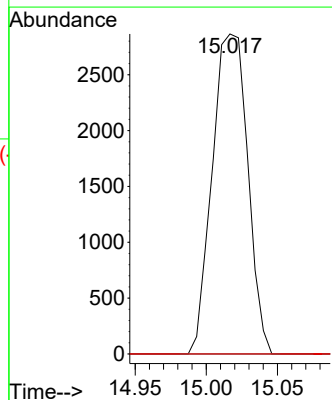
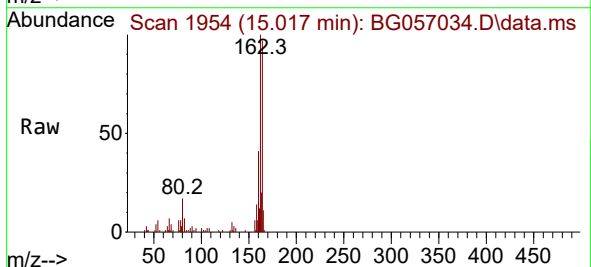
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-11

Tgt Ion:172 Resp: 166303
Ion Ratio Lower Upper
172 100
171 38.3 30.6 46.0
170 24.4 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.509 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.429 min
Lab File: BG057034.D
Acq: 7 Apr 2023 20:07

Tgt Ion:165 Resp: 4976
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: 5.324 ng

RT: 15.017 min Scan# 1954

Delta R.T. -0.352 min

Lab File: BG057034.D

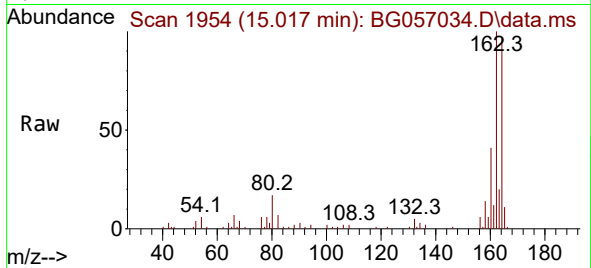
Acq: 7 Apr 2023 20:07

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-11



Tgt Ion:165 Resp: 4976

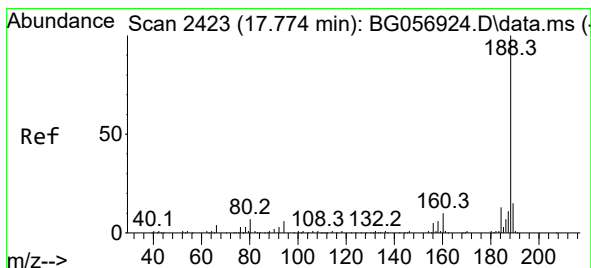
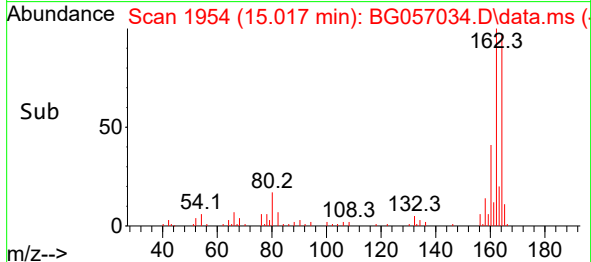
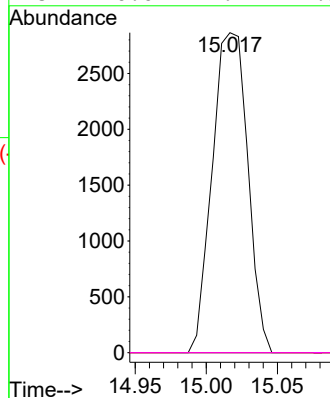
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.754 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BG057034.D

Acq: 7 Apr 2023 20:07

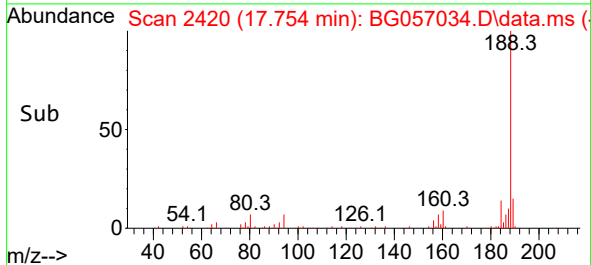
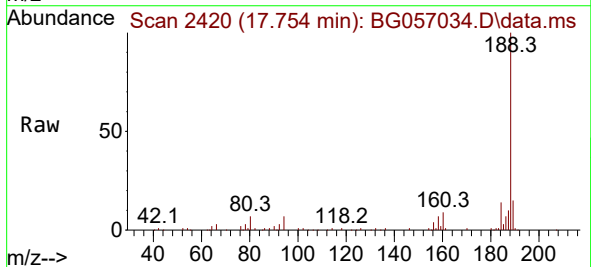
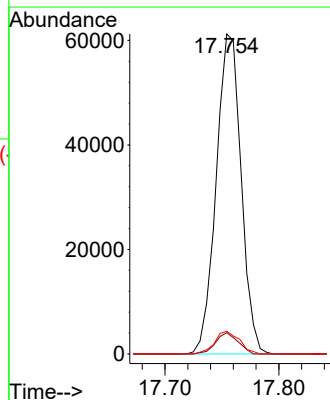
Tgt Ion:188 Resp: 93318

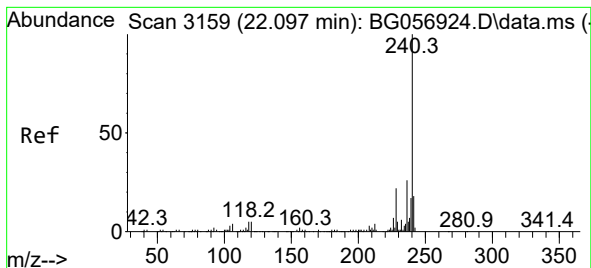
Ion Ratio Lower Upper

188 100

94 6.6 4.6 6.8

80 7.1 5.5 8.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.072 min Scan# 3155

Delta R.T. -0.011 min

Lab File: BG057034.D

Acq: 7 Apr 2023 20:07

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-11

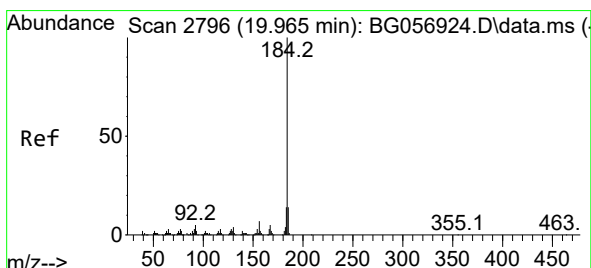
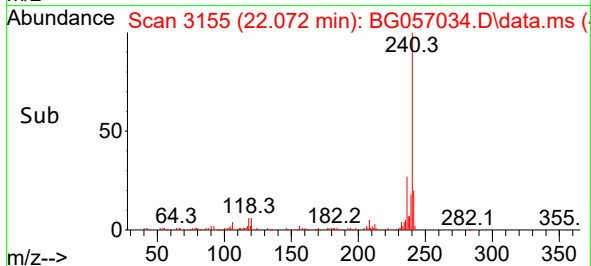
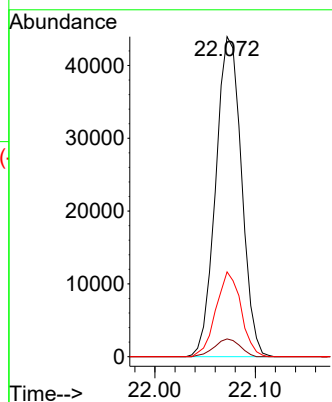
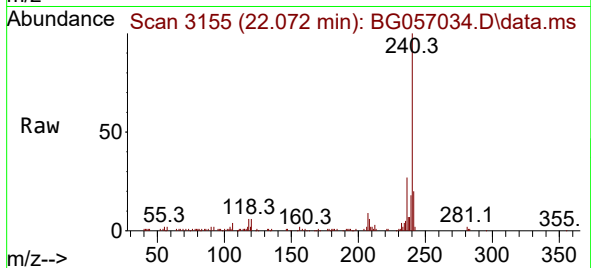
Tgt Ion:240 Resp: 78373

Ion Ratio Lower Upper

240 100

120 5.6 3.8 5.6

236 26.5 21.0 31.6



#77

Benzidine

Concen: 2.265 ng

RT: 20.321 min Scan# 2857

Delta R.T. 0.370 min

Lab File: BG057034.D

Acq: 7 Apr 2023 20:07

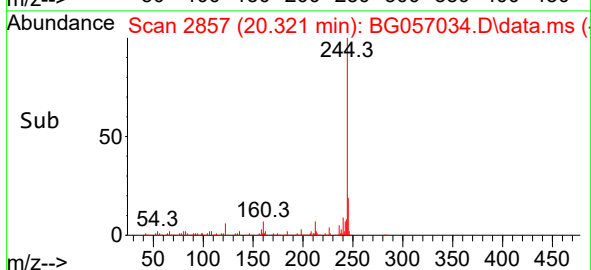
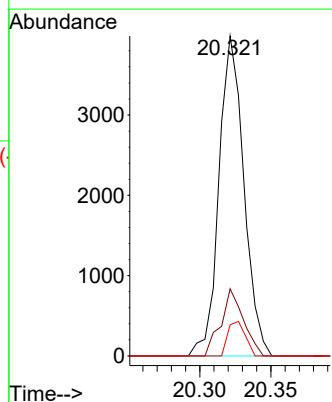
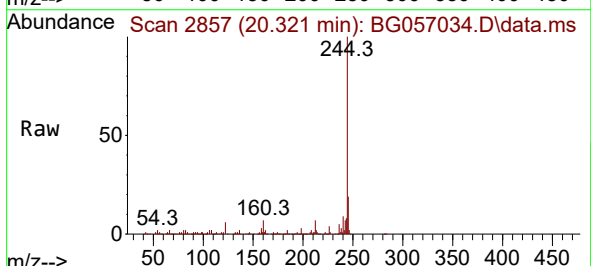
Tgt Ion:184 Resp: 4851

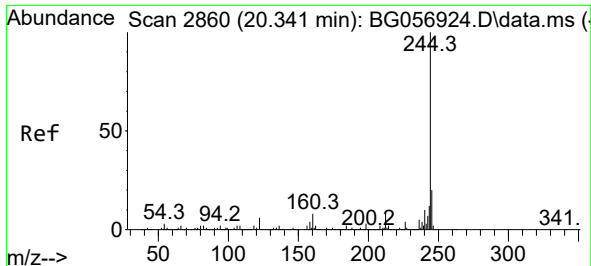
Ion Ratio Lower Upper

184 100

185 21.0 11.0 16.4#

183 9.7 11.4 17.0#

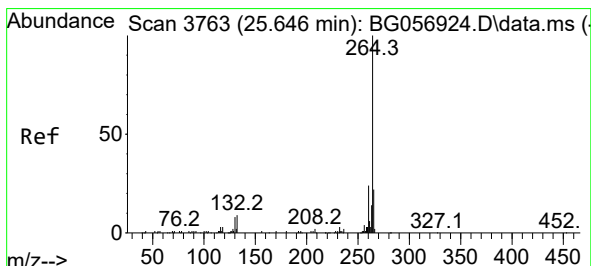
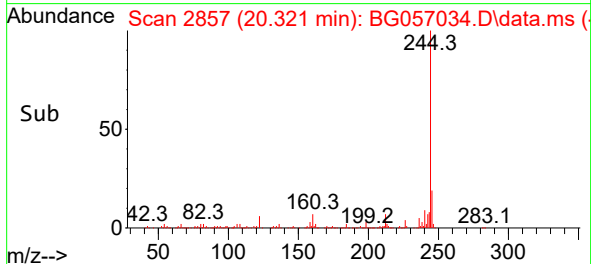
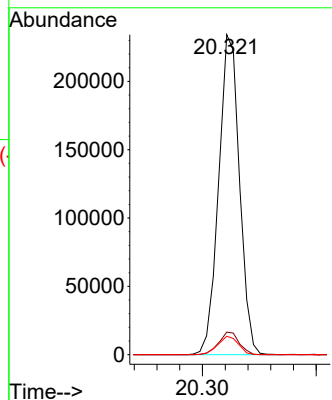
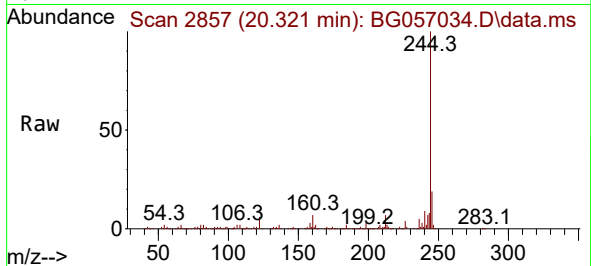




#79
 Terphenyl-d14
 Concen: 64.336 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057034.D
 Acq: 7 Apr 2023 20:07

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-11

Tgt Ion:244 Resp: 297976
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.8 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.608 min Scan# 3757
 Delta R.T. -0.023 min
 Lab File: BG057034.D
 Acq: 7 Apr 2023 20:07

Tgt Ion:264 Resp: 84422
 Ion Ratio Lower Upper
 264 100
 260 20.4 19.0 28.4
 265 21.4 17.8 26.6

