

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057030.D
 Acq On : 7 Apr 2023 17:21
 Operator : CG/JU
 Sample : 02224-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-04

Quant Time: Apr 08 04:51:20 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)

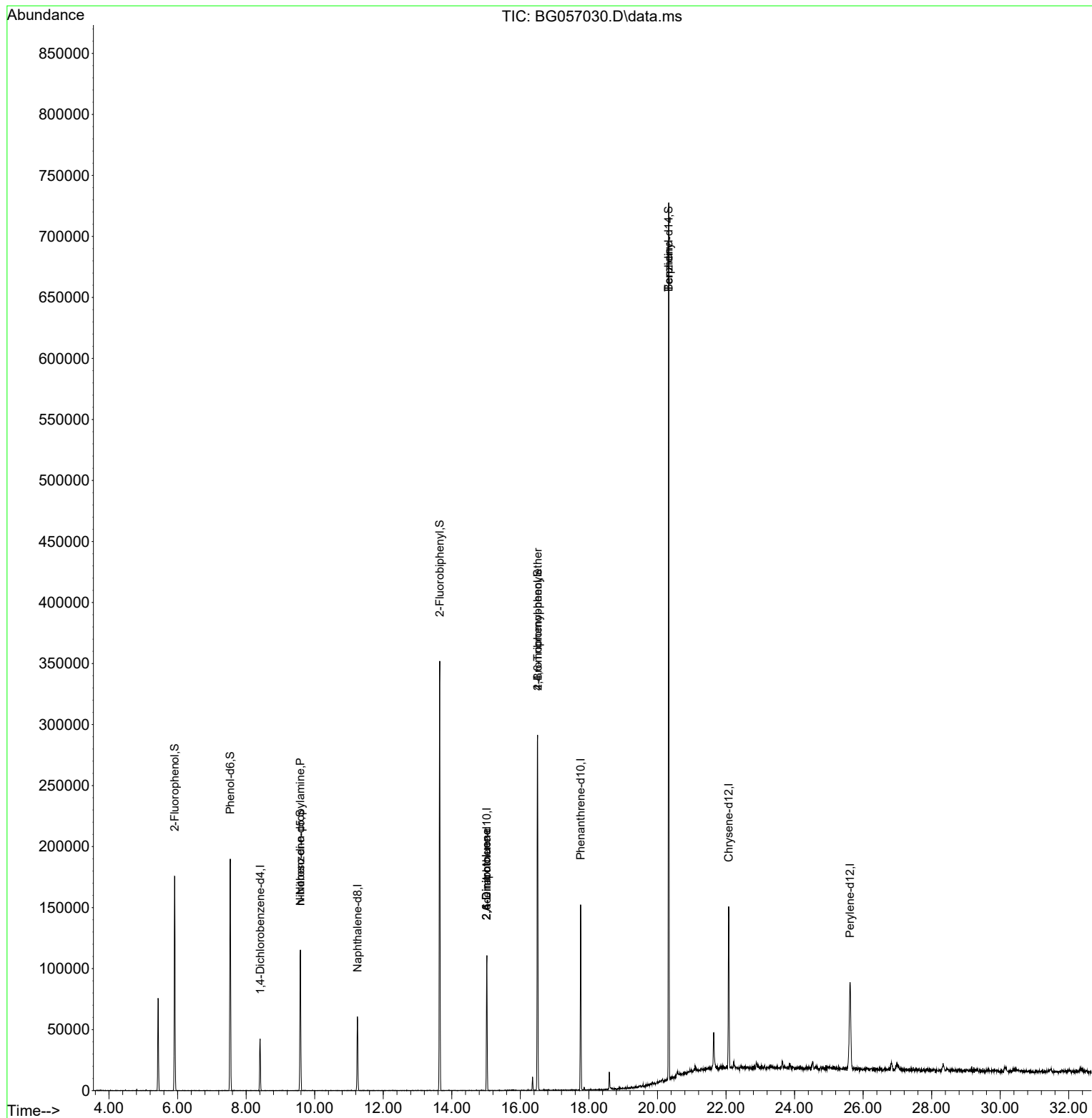
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	12360	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	49522	20.000	ng	0.00
39) Acenaphthene-d10	15.023	164	39332	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	97548	20.000	ng	0.00
76) Chrysene-d12	22.078	240	82545	20.000	ng	0.00
86) Perylene-d12	25.620	264	88525	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	75034	97.159	ng	0.00
7) Phenol-d6	7.539	99	107302	92.898	ng	0.00
23) Nitrobenzene-d5	9.583	82	72304	59.741	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	62095	98.824	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	182140	62.795	ng	0.00
79) Terphenyl-d14	20.327	244	352113	72.183	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.583	70	10267	12.427	ng	# 79
51) 2,6-Dinitrotoluene	15.017	165	5087	7.597	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	5087	5.387	ng	# 18
67) 4-Bromophenyl-phenylether	16.503	248	3850	3.190	ng	# 1
77) Benzidine	20.327	184	5490	2.433	ng	# 88

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

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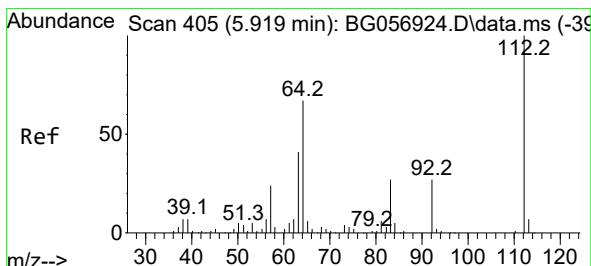
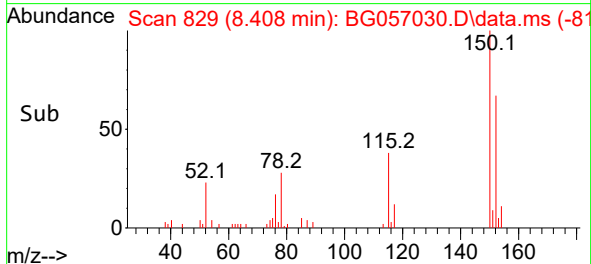
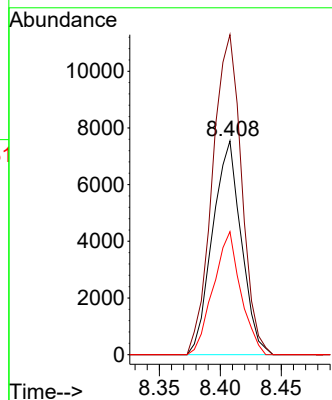
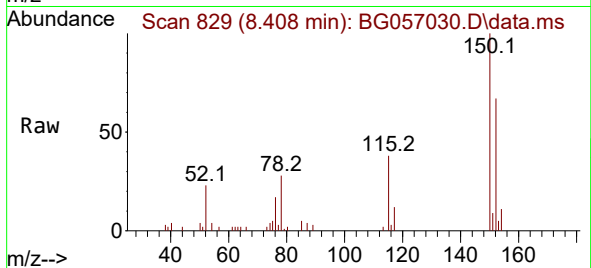




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

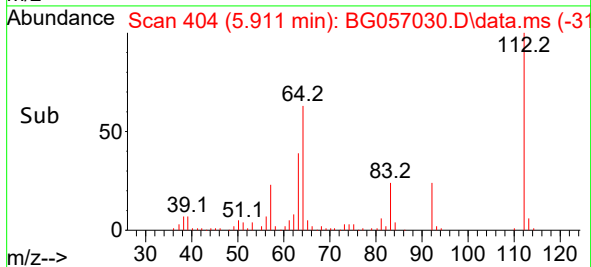
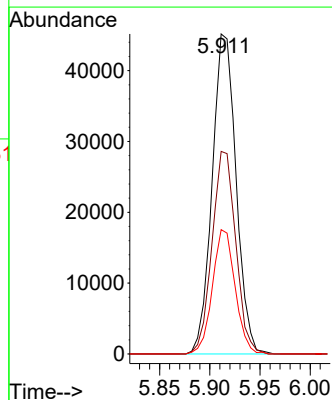
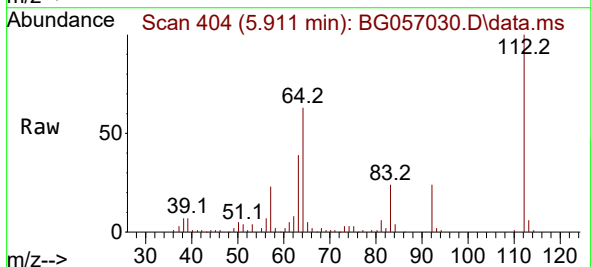
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

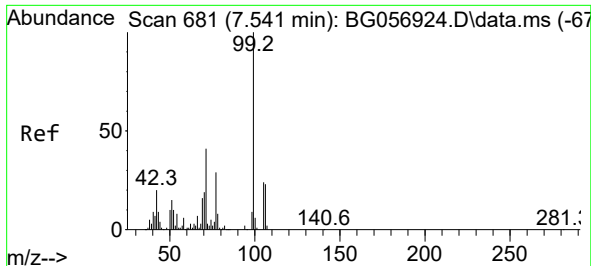
Tgt Ion:152 Resp: 12360
Ion Ratio Lower Upper
152 100
150 149.7 124.1 186.1
115 57.6 49.1 73.7



#5
2-Fluorophenol
Concen: 97.159 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.006 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion:112 Resp: 75034
Ion Ratio Lower Upper
112 100
64 63.3 53.2 79.8
63 38.9 32.6 48.8

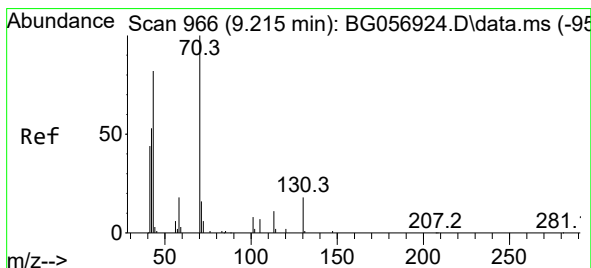
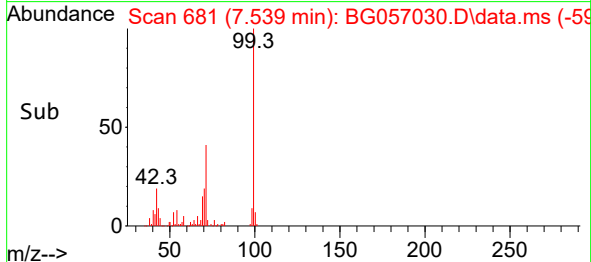
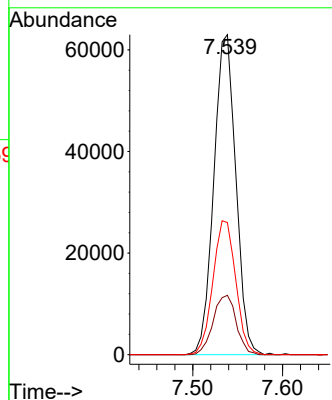
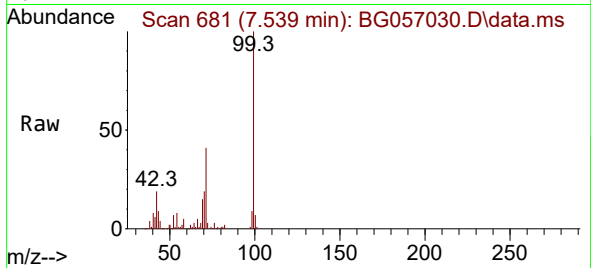




#7
Phenol-d6
Concen: 92.898 ng
RT: 7.539 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

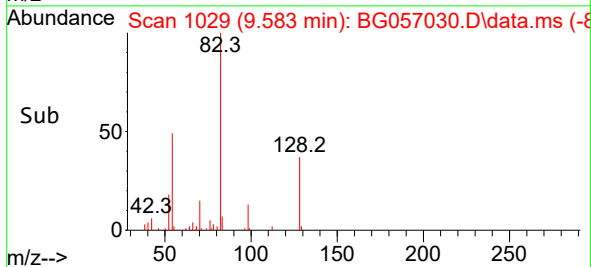
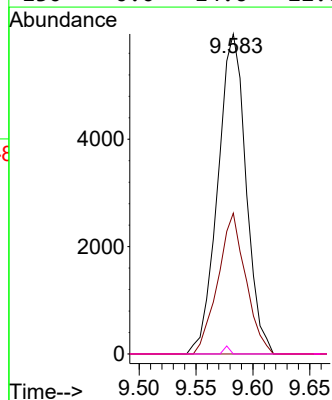
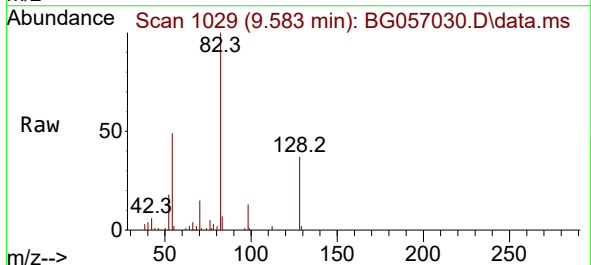
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

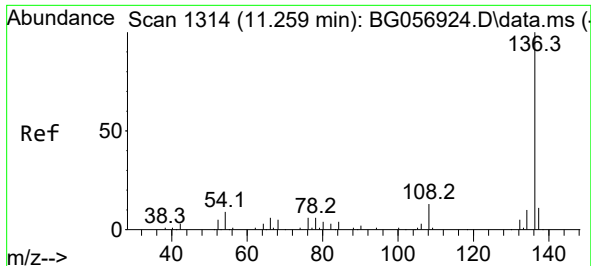
Tgt Ion: 99 Resp: 107302
Ion Ratio Lower Upper
99 100
42 18.5 15.7 23.5
71 41.3 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.427 ng
RT: 9.583 min Scan# 1029
Delta R.T. 0.370 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

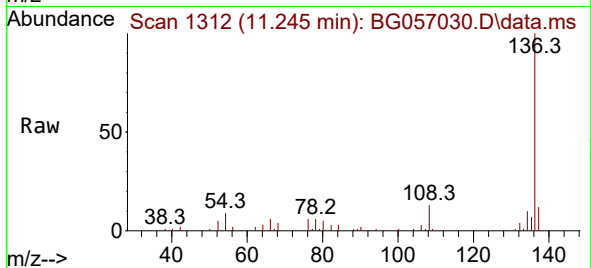
Tgt Ion: 70 Resp: 10267
Ion Ratio Lower Upper
70 100
42 44.0 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



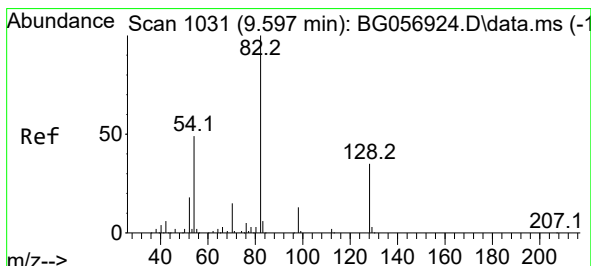
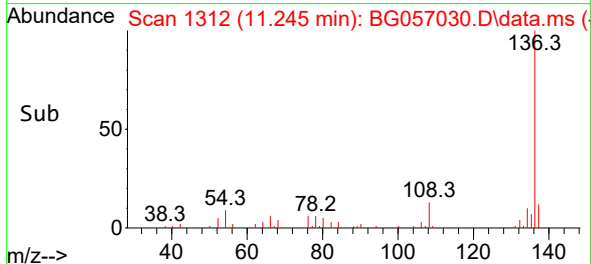
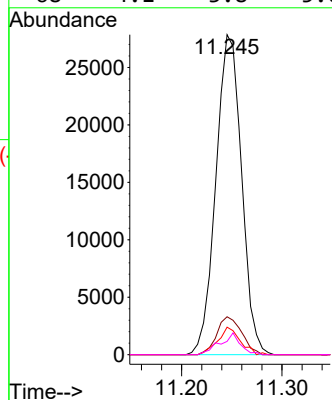


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

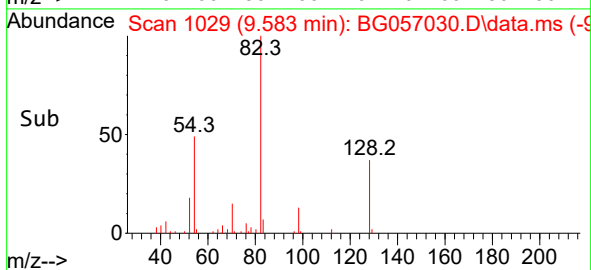
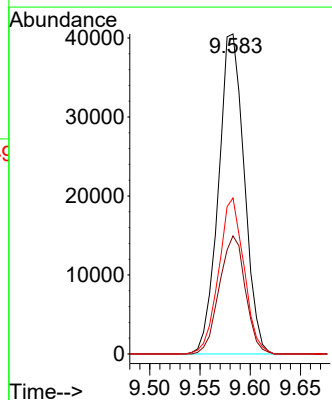
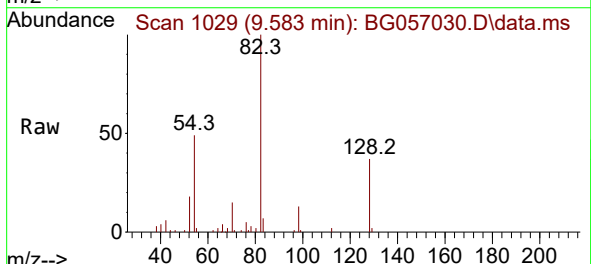


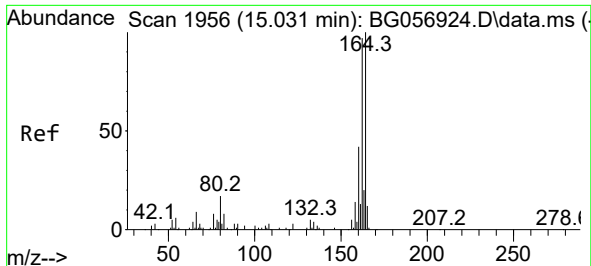
Tgt Ion:136 Resp: 49522
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 8.6 6.9 10.3
68 4.1 3.8 5.6



#23
Nitrobenzene-d5
Concen: 59.741 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion: 82 Resp: 72304
Ion Ratio Lower Upper
82 100
128 36.9 27.9 41.9
54 48.8 39.4 59.2

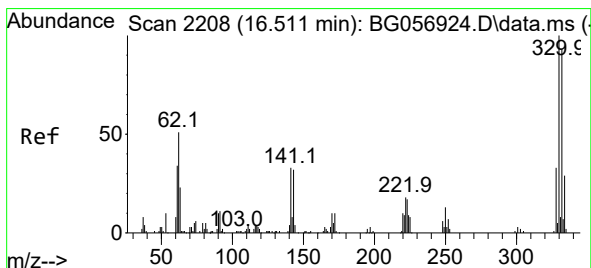
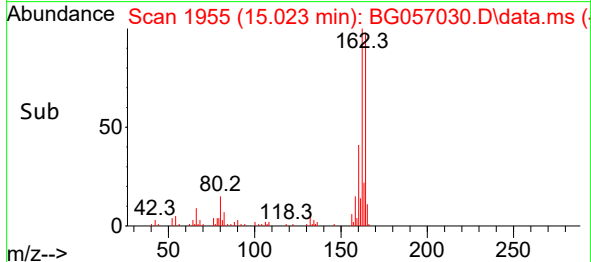
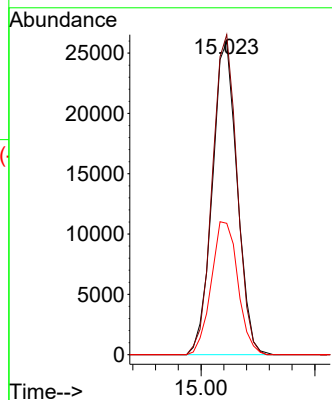
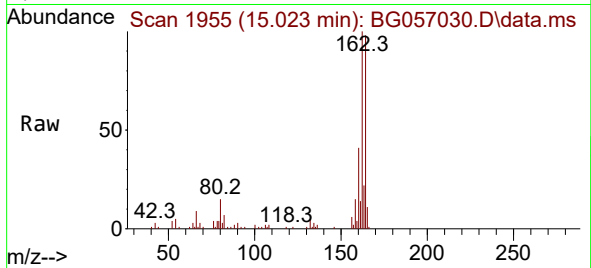




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

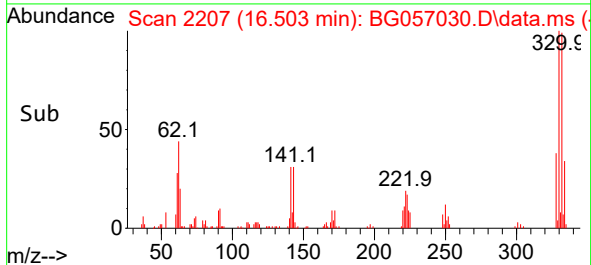
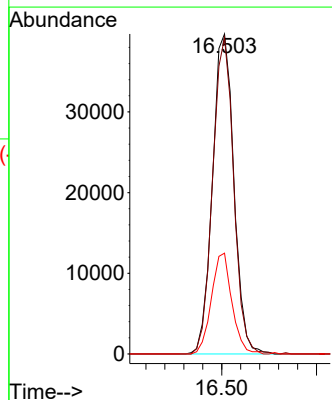
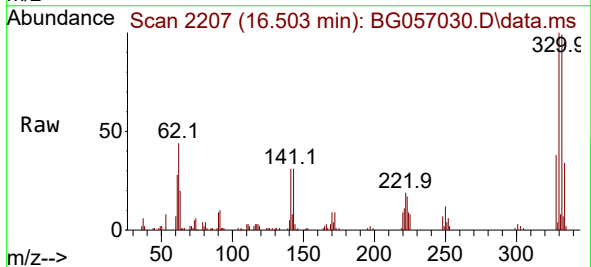
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

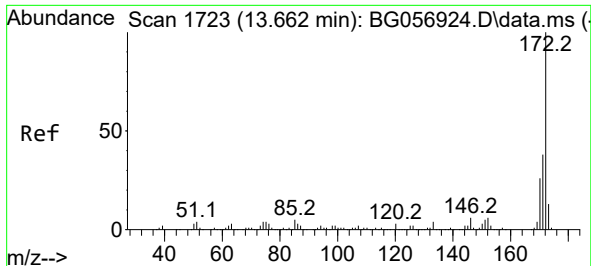
Tgt Ion:164 Resp: 39332
Ion Ratio Lower Upper
164 100
162 102.2 77.8 116.8
160 42.0 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 98.824 ng
RT: 16.503 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion:330 Resp: 62095
Ion Ratio Lower Upper
330 100
332 96.8 76.1 114.1
141 30.2 25.8 38.6

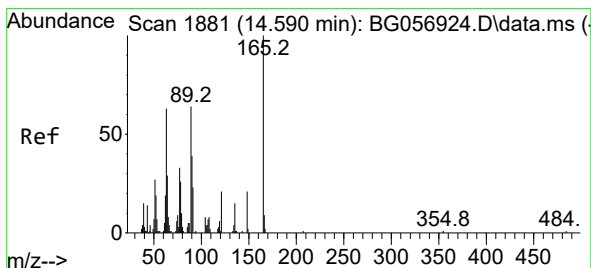
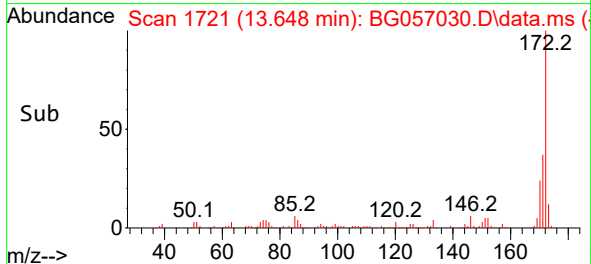
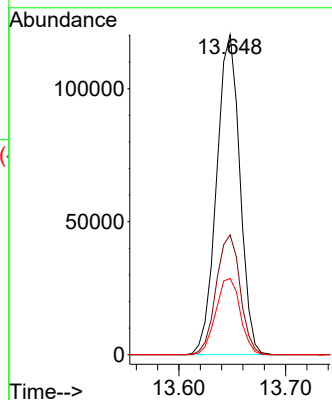
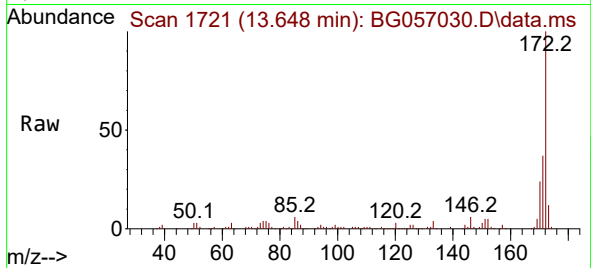




#45
2-Fluorobiphenyl
Concen: 62.795 ng
RT: 13.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

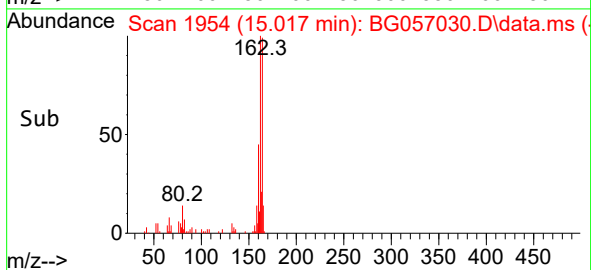
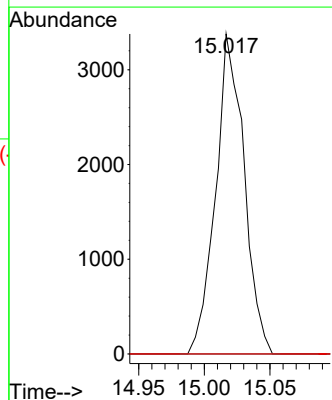
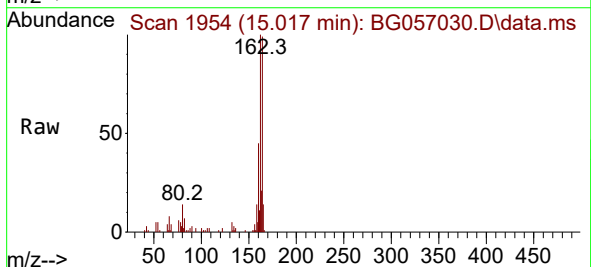
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

Tgt Ion:172 Resp: 182140
Ion Ratio Lower Upper
172 100
171 37.4 30.6 46.0
170 23.8 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.597 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.429 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion:165 Resp: 5087
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: 5.387 ng

RT: 15.017 min Scan# 1954

Delta R.T. -0.352 min

Lab File: BG057030.D

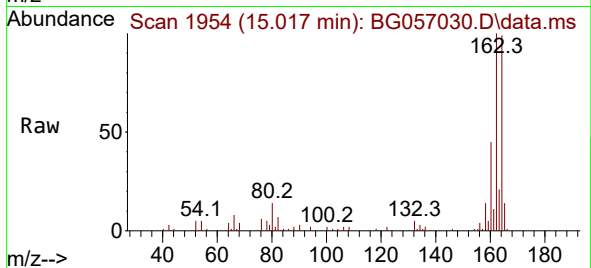
Acq: 7 Apr 2023 17:21

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-04



Tgt Ion:165 Resp: 5087

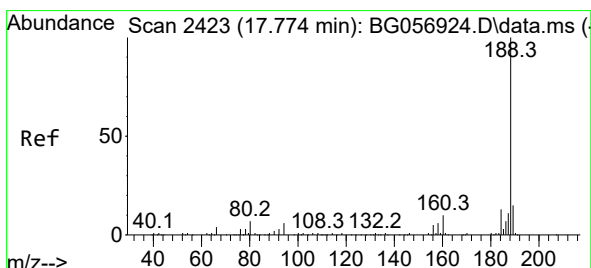
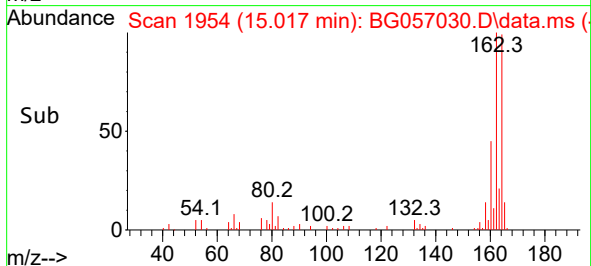
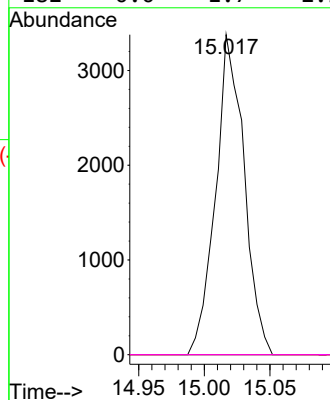
Ion Ratio Lower Upper

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: 17.760 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BG057030.D

Acq: 7 Apr 2023 17:21

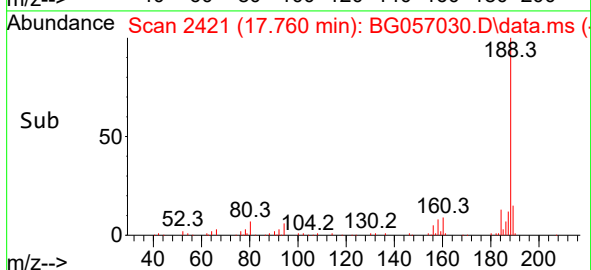
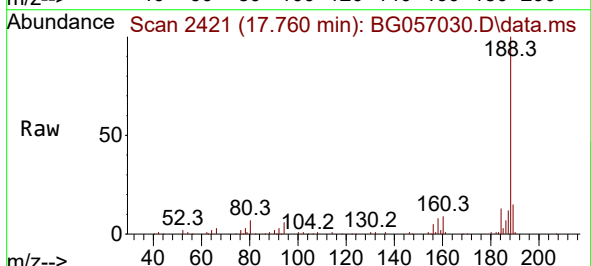
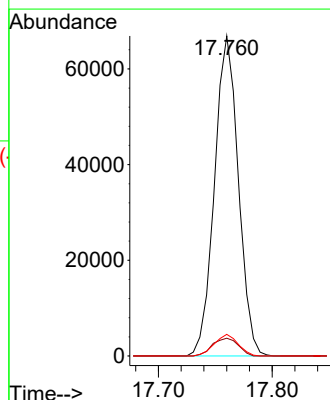
Tgt Ion:188 Resp: 97548

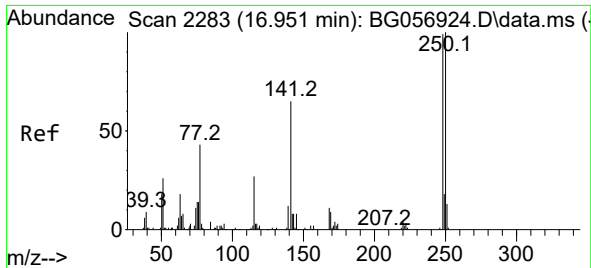
Ion Ratio Lower Upper

188 100

94 5.5 4.6 6.8

80 6.7 5.5 8.3

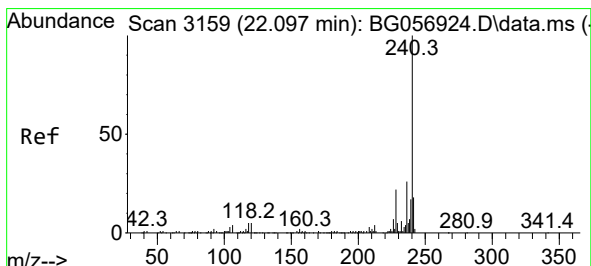
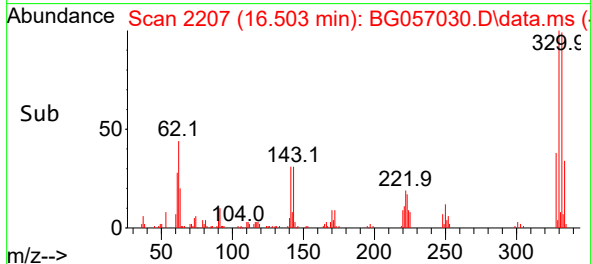
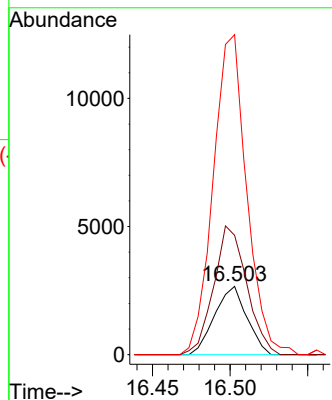
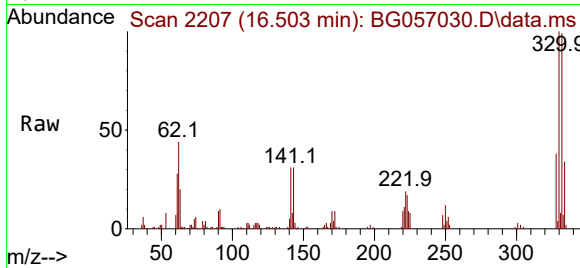




#67
4-Bromophenyl-phenylether
Concen: 3.190 ng
RT: 16.503 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

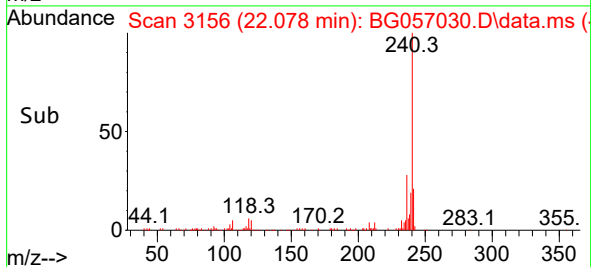
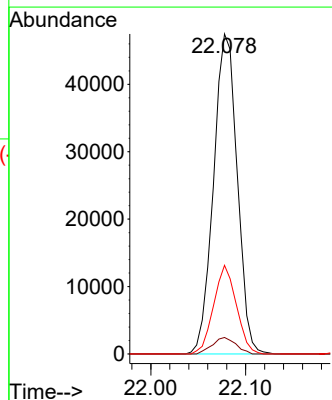
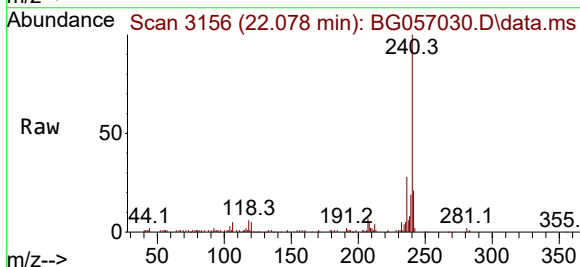
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

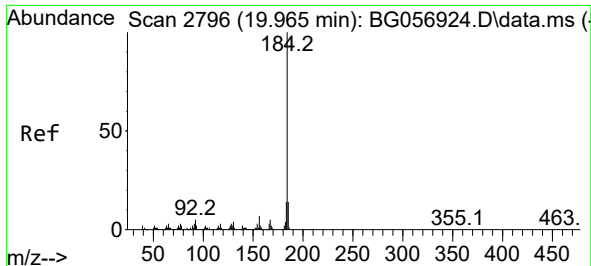
Tgt Ion:248 Resp: 3850
Ion Ratio Lower Upper
248 100
250 174.7 80.5 120.7#
141 468.4 52.0 78.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.078 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion:240 Resp: 82545
Ion Ratio Lower Upper
240 100
120 5.2 3.8 5.6
236 27.7 21.0 31.6

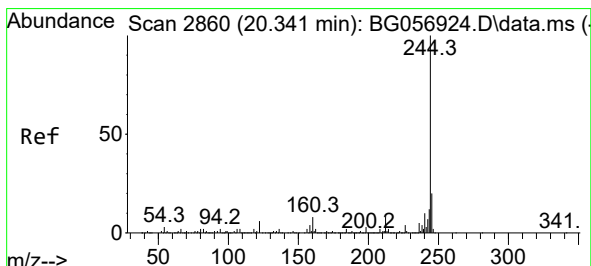
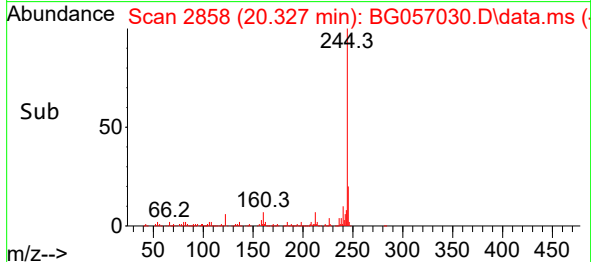
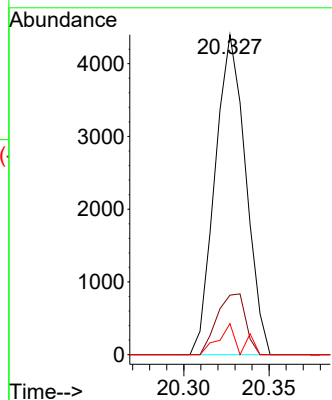
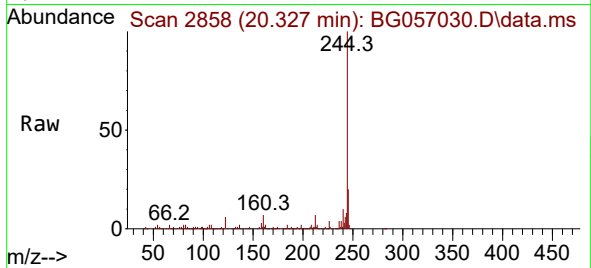




#77
Benzidine
Concen: 2.433 ng
RT: 20.327 min Scan# 2858
Delta R.T. 0.376 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

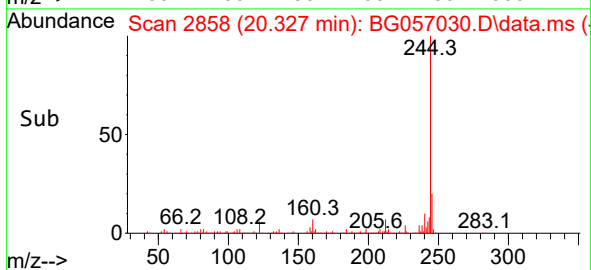
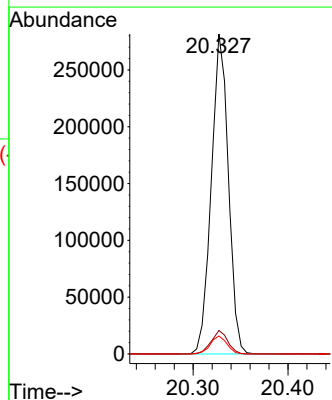
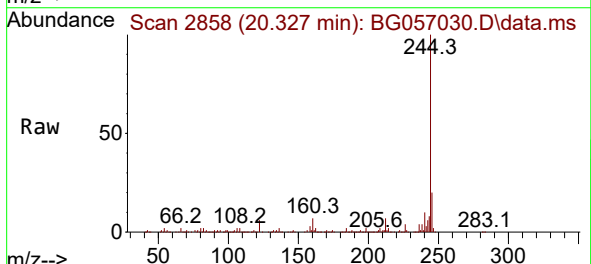
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

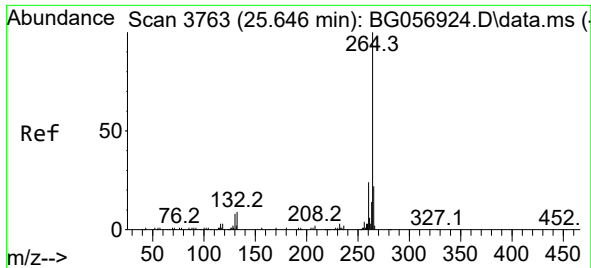
Tgt Ion:184 Resp: 5490
Ion Ratio Lower Upper
184 100
185 18.6 11.0 16.4#
183 9.7 11.4 17.0#



#79
Terphenyl-d14
Concen: 72.183 ng
RT: 20.327 min Scan# 2858
Delta R.T. 0.000 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Tgt Ion:244 Resp: 352113
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 5.6 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.620 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG057030.D
Acq: 7 Apr 2023 17:21

Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-04

Tgt Ion:264 Resp: 88525

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.0	28.4
265	21.5	17.8	26.6

