

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041223\
 Data File : BG057075.D
 Acq On : 12 Apr 2023 23:01
 Operator : CG/JU
 Sample : 02283-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20230326-COMP-4

Quant Time: Apr 13 05:27:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

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

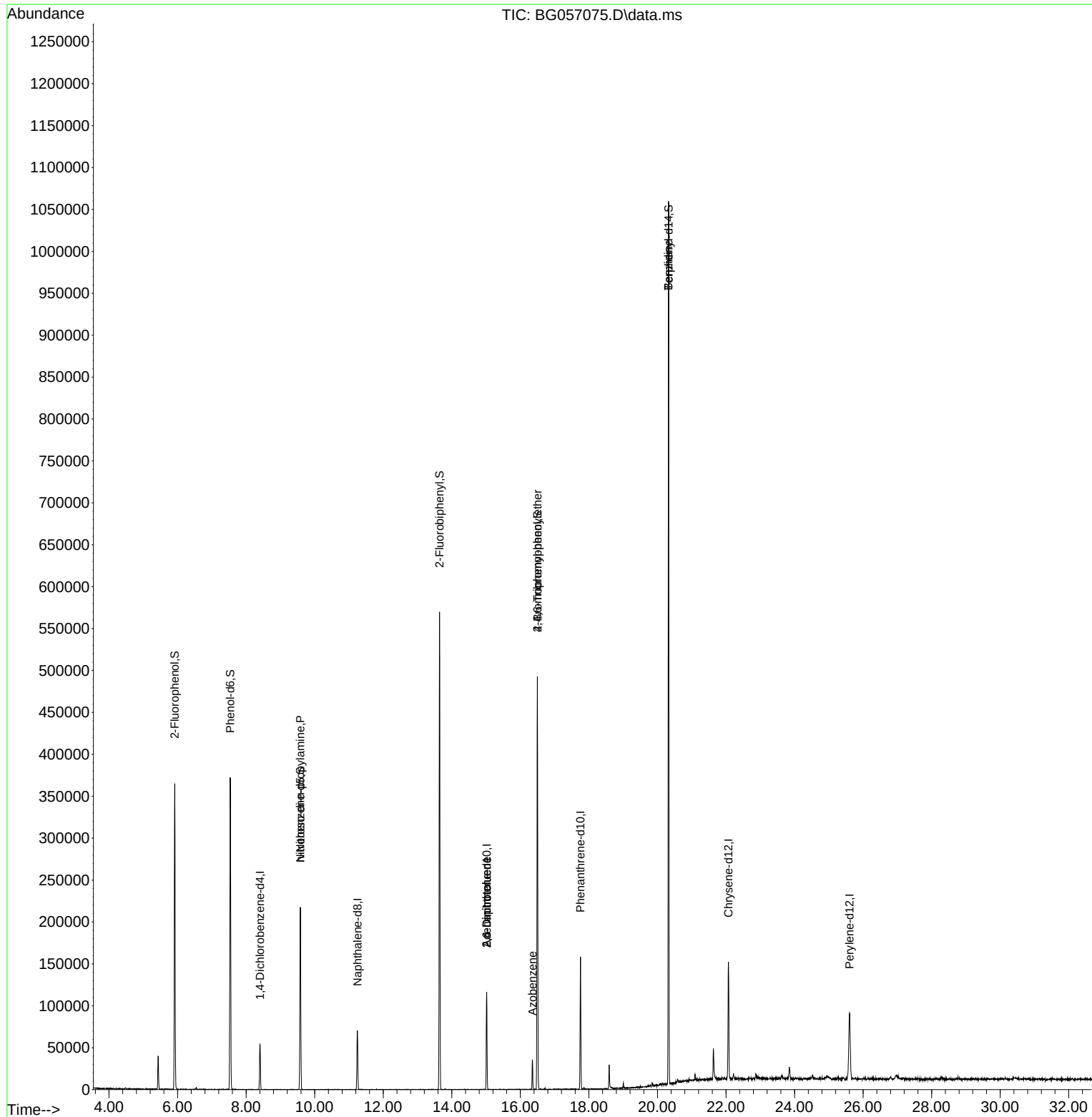
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	15049	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	59164	20.000	ng	0.00
39) Acenaphthene-d10	15.017	164	41719	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	99264	20.000	ng	0.00
76) Chrysene-d12	22.072	240	88685	20.000	ng	0.00
86) Perylene-d12	25.602	264	96569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	151658	161.287	ng	0.00
7) Phenol-d6	7.539	99	211744	150.564	ng	0.00
23) Nitrobenzene-d5	9.583	82	137366	95.002	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	99908	149.905	ng	0.00
45) 2-Fluorobiphenyl	13.642	172	291745	94.827	ng	0.00
79) Terphenyl-d14	20.327	244	534523	101.990	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.583	70	19425	19.311	ng	# 85
51) 2,6-Dinitrotoluene	15.017	165	5487	7.726	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	5487	5.478	ng	# 18
63) Azobenzene	16.350	77	10315	3.141	ng	# 1
67) 4-Bromophenyl-phenylether	16.497	248	5972	4.862	ng	# 1
77) Benzidine	20.321	184	8452	3.487	ng	# 92

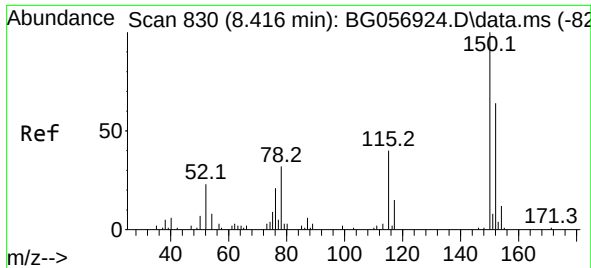
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041223\
Data File : BG057075.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

Quant Time: Apr 13 05:27:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 13 05:15:23 2023
Response via : Initial Calibration

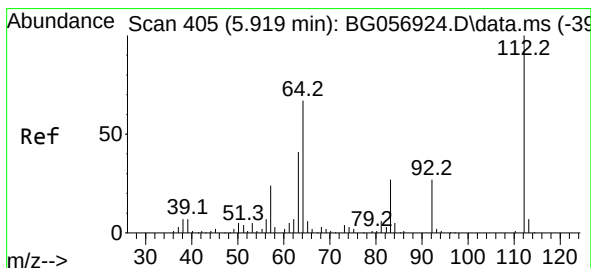
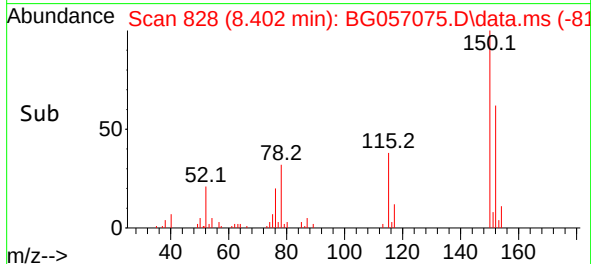
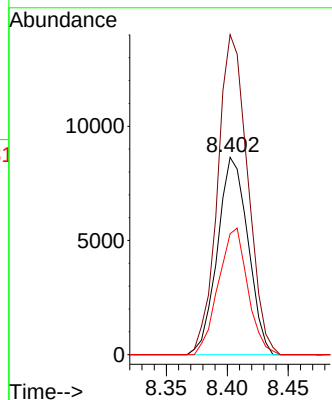
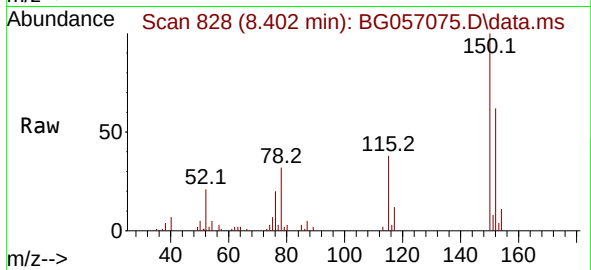




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

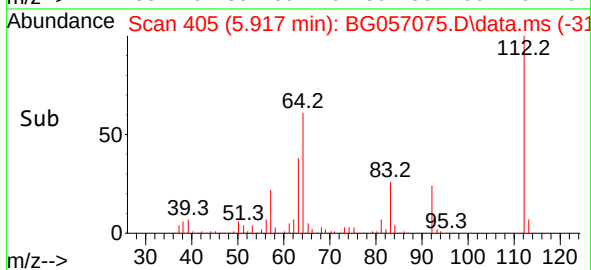
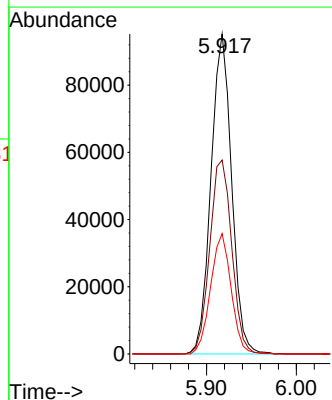
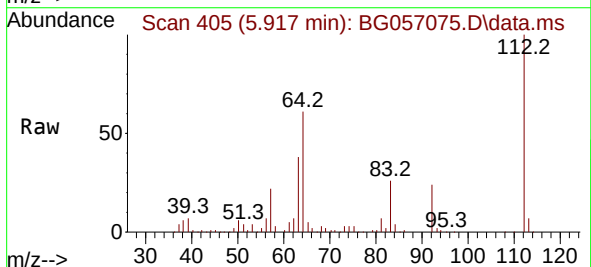
Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

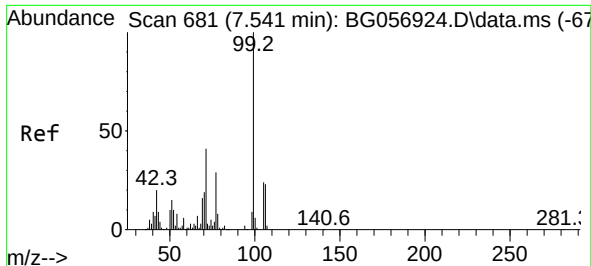
Tgt Ion:152 Resp: 15049
Ion Ratio Lower Upper
152 100
150 162.2 124.1 186.1
115 61.3 49.1 73.7



#5
2-Fluorophenol
Concen: 161.287 ng
RT: 5.917 min Scan# 405
Delta R.T. 0.003 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion:112 Resp: 151658
Ion Ratio Lower Upper
112 100
64 60.6 53.2 79.8
63 37.6 32.6 48.8

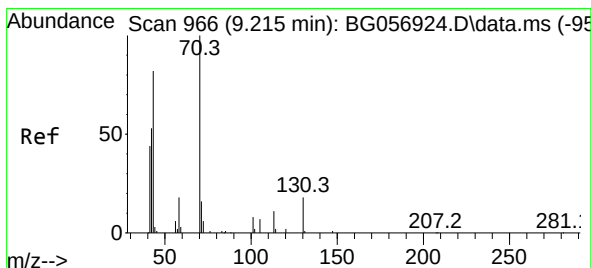
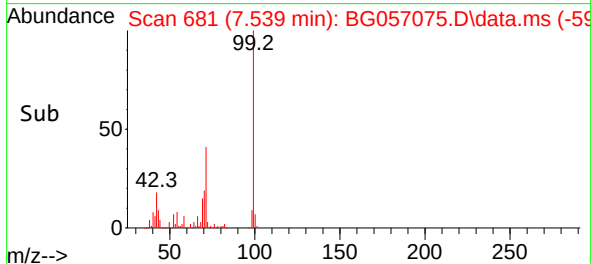
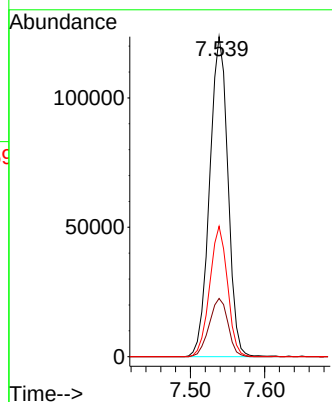
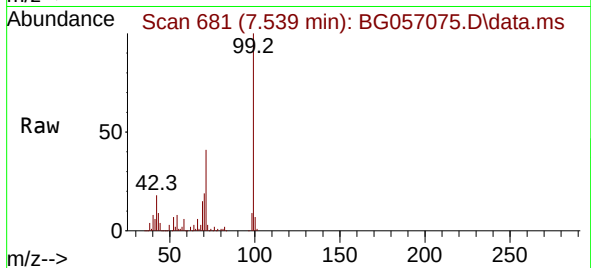




#7
Phenol-d6
Concen: 150.564 ng
RT: 7.539 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

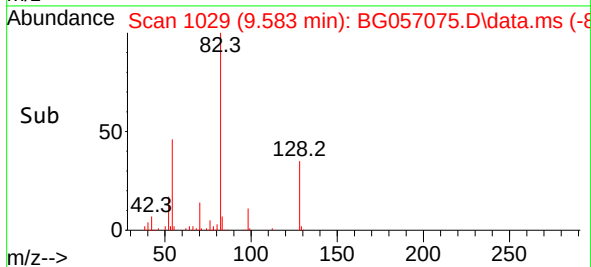
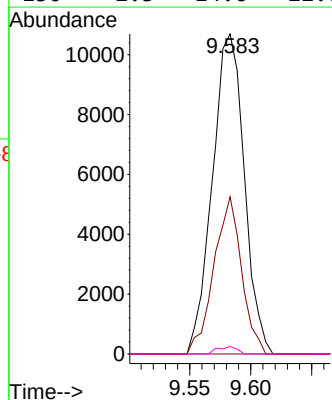
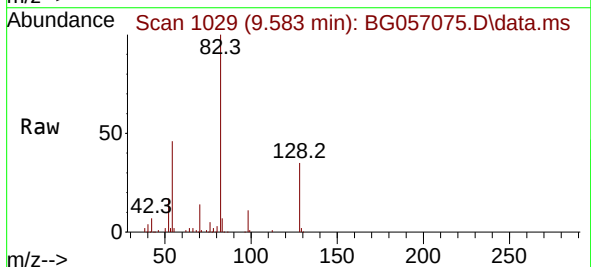
Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

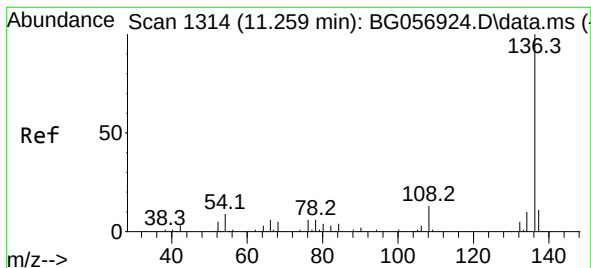
Tgt Ion: 99 Resp: 211744
Ion Ratio Lower Upper
99 100
42 18.2 15.7 23.5
71 40.8 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.311 ng
RT: 9.583 min Scan# 1029
Delta R.T. 0.373 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion: 70 Resp: 19425
Ion Ratio Lower Upper
70 100
42 49.1 43.4 65.0
101 0.0 6.2 9.2#
130 2.3 14.6 22.0#

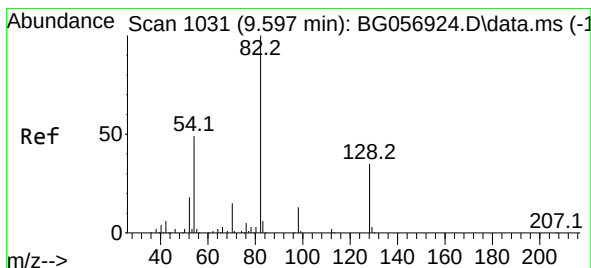
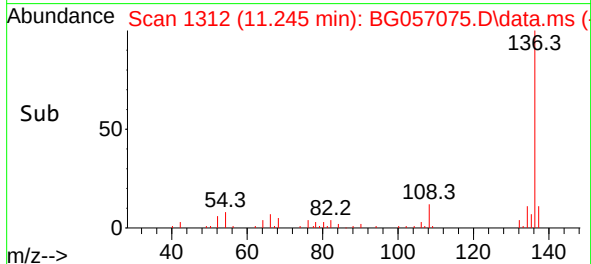
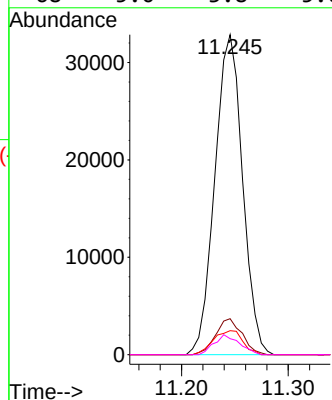
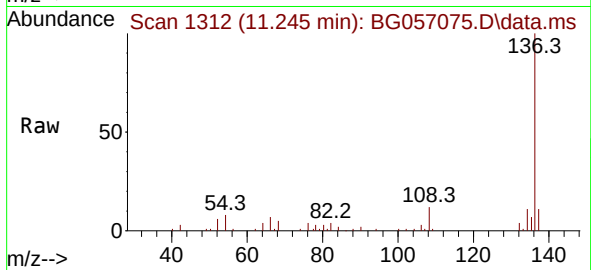




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

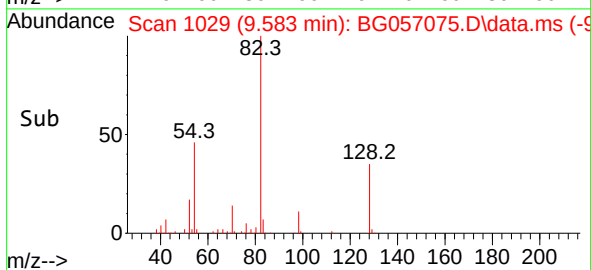
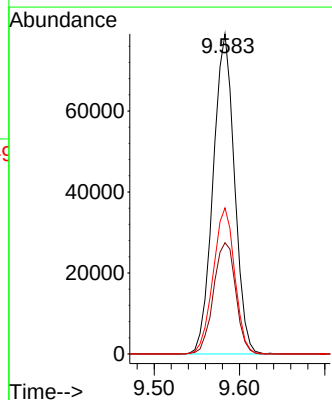
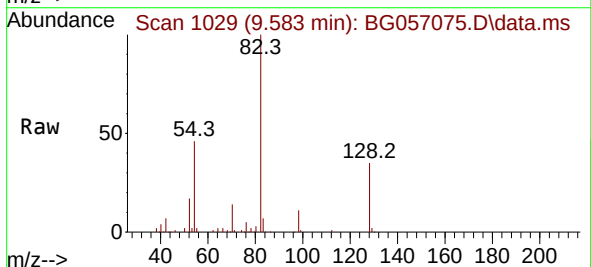
Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

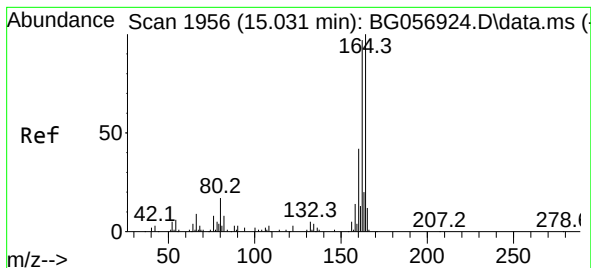
Tgt Ion:	136	Resp:	59164
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	7.5	6.9	10.3
68	5.0	3.8	5.6



#23
Nitrobenzene-d5
Concen: 95.002 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.003 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion:	82	Resp:	137366
Ion Ratio	Lower	Upper	
82	100		
128	34.8	27.9	41.9
54	45.7	39.4	59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.017 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG057075.D

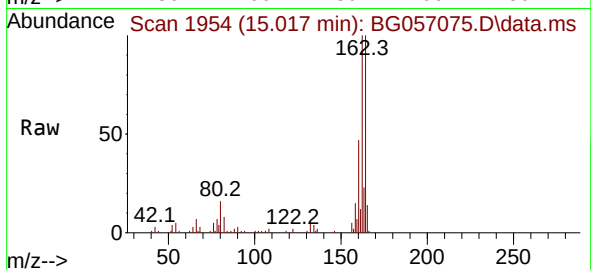
Acq: 12 Apr 2023 23:01

Instrument :

BNA_G

ClientSampleId :

20230326-COMP-4



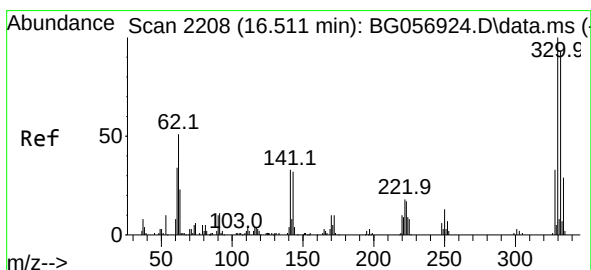
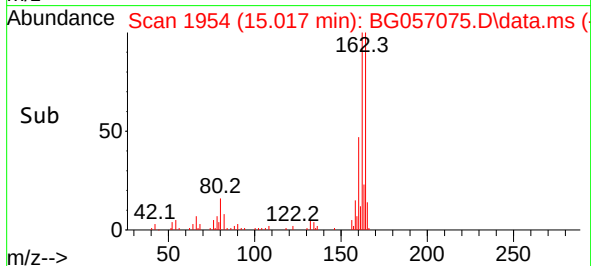
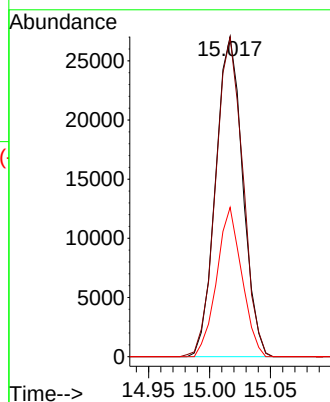
Tgt Ion:164 Resp: 41719

Ion Ratio Lower Upper

164 100

162 99.8 77.8 116.8

160 46.6 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 149.905 ng

RT: 16.497 min Scan# 2206

Delta R.T. -0.003 min

Lab File: BG057075.D

Acq: 12 Apr 2023 23:01

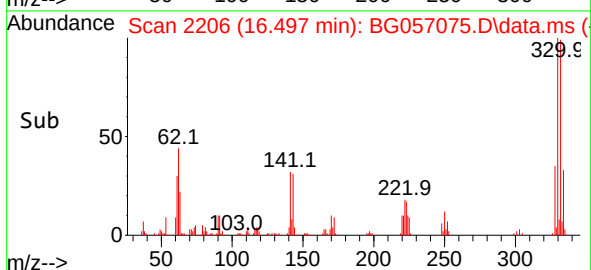
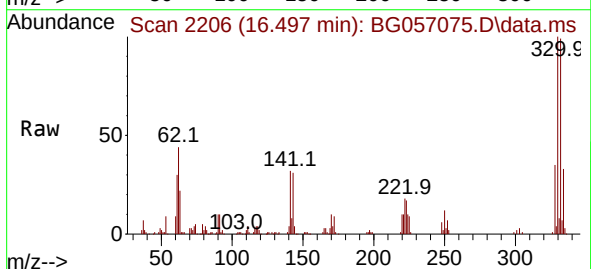
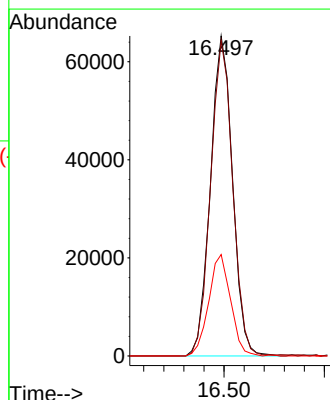
Tgt Ion:330 Resp: 99908

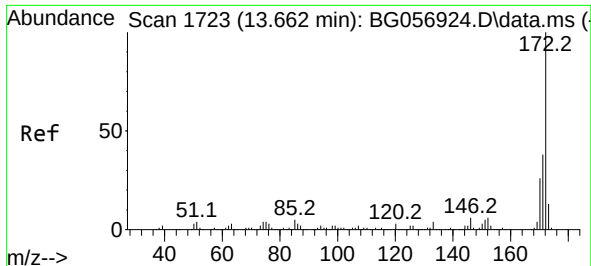
Ion Ratio Lower Upper

330 100

332 98.2 76.1 114.1

141 31.4 25.8 38.6

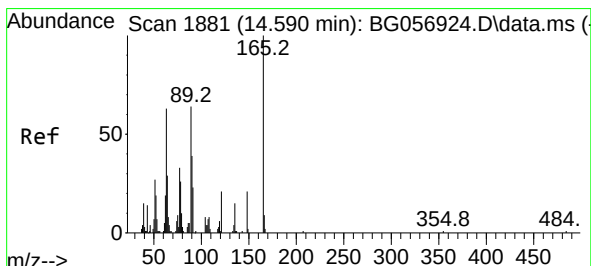
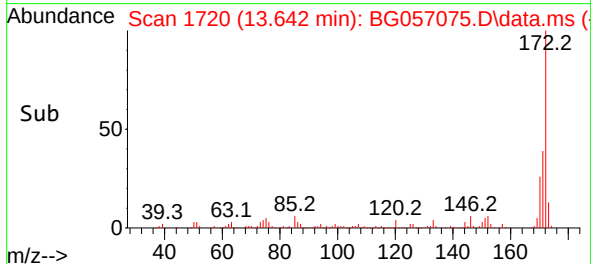
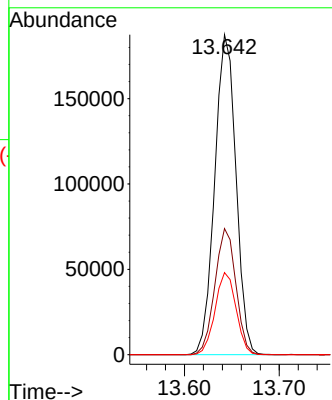
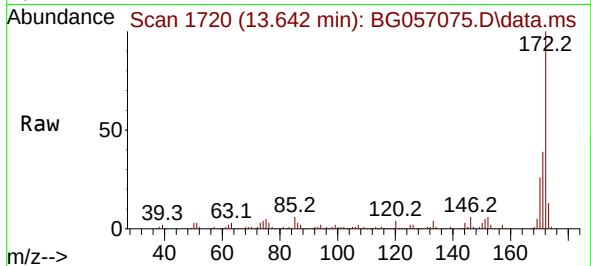




#45
2-Fluorobiphenyl
Concen: 94.827 ng
RT: 13.642 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

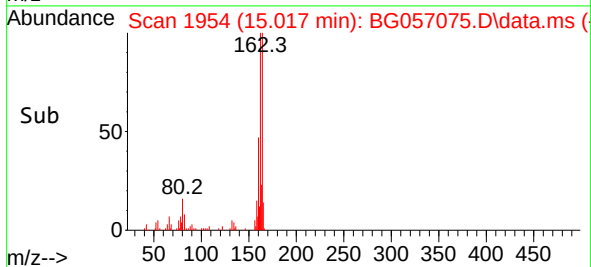
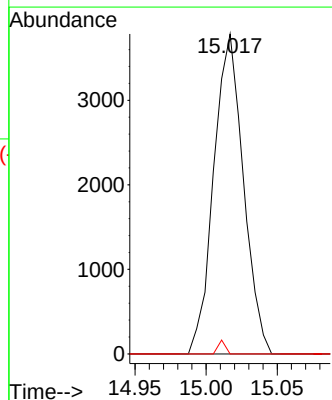
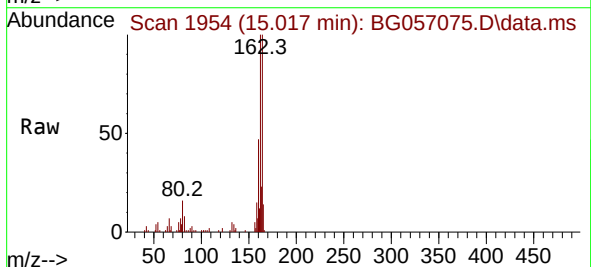
Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

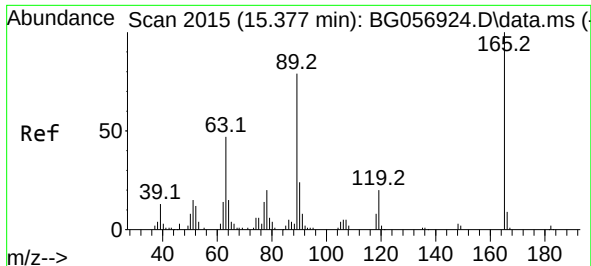
Tgt Ion:172 Resp: 291745
Ion Ratio Lower Upper
172 100
171 39.4 30.6 46.0
170 25.6 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.726 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.432 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

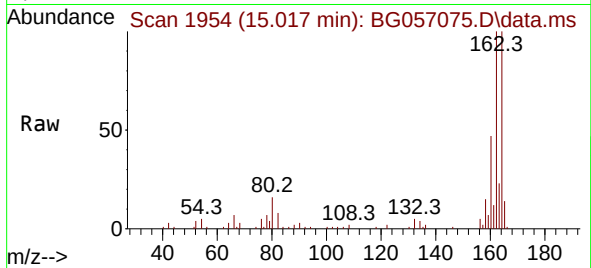
Tgt Ion:165 Resp: 5487
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#



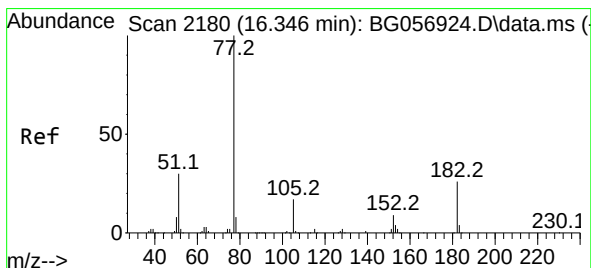
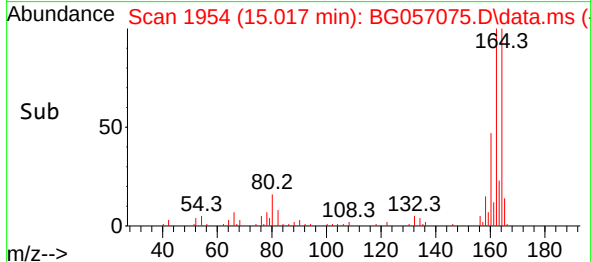
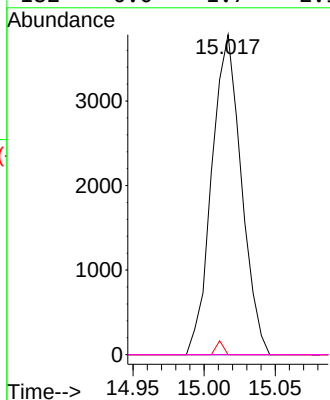


#57
2,4-Dinitrotoluene
Concen: 5.478 ng
RT: 15.017 min Scan# 1954
Delta R.T. -0.350 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

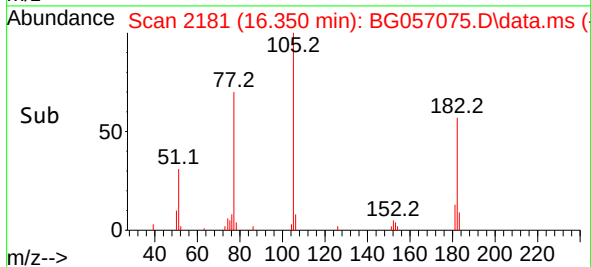
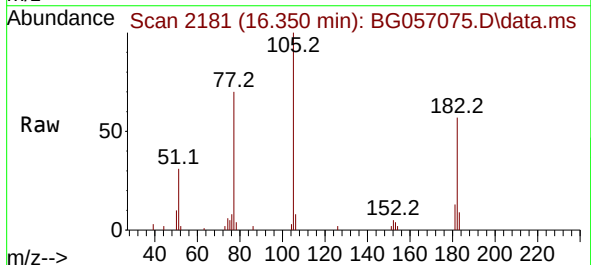
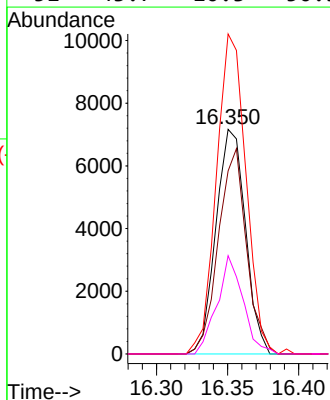


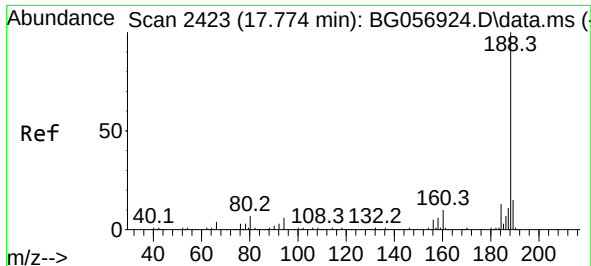
Tgt Ion:	165	Resp:	5487
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.7	56.5#
89	0.0	63.2	94.8#
182	0.0	1.7	2.5#



#63
Azobenzene
Concen: 3.141 ng
RT: 16.350 min Scan# 2181
Delta R.T. 0.015 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion:	77	Resp:	10315
Ion Ratio	Lower	Upper	
77	100		
182	81.4	5.9	45.9#
105	142.4	0.0	36.8#
51	43.7	10.3	50.3

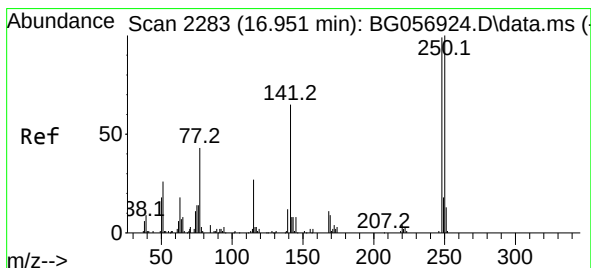
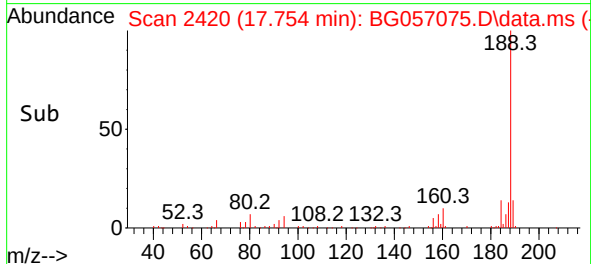
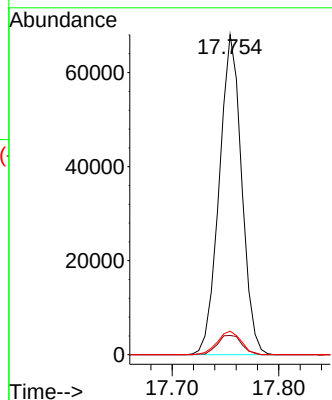
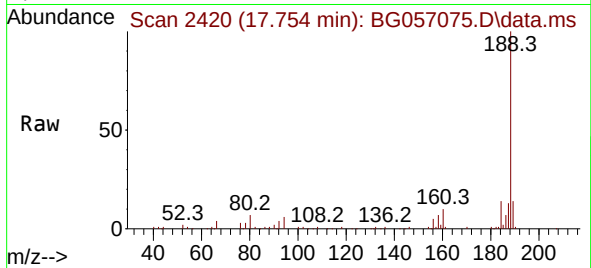




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.754 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

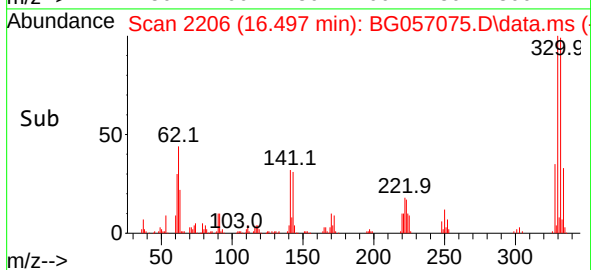
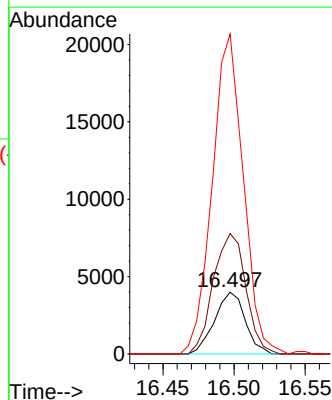
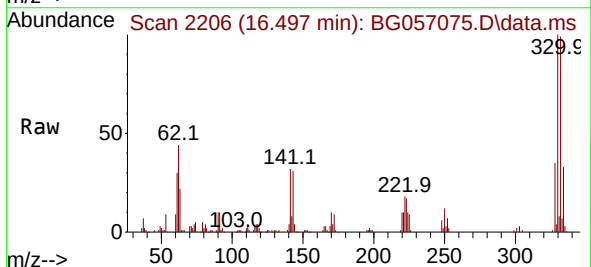
Instrument :
BNA_G
ClientSampleId :
20230326-COMP-4

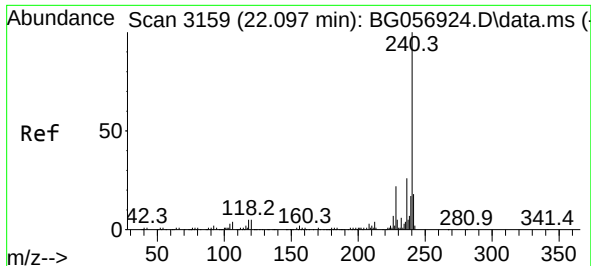
Tgt Ion:188 Resp: 99264
Ion Ratio Lower Upper
188 100
94 6.0 4.6 6.8
80 7.4 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 4.862 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.438 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion:248 Resp: 5972
Ion Ratio Lower Upper
248 100
250 195.3 80.5 120.7#
141 518.7 52.0 78.0#

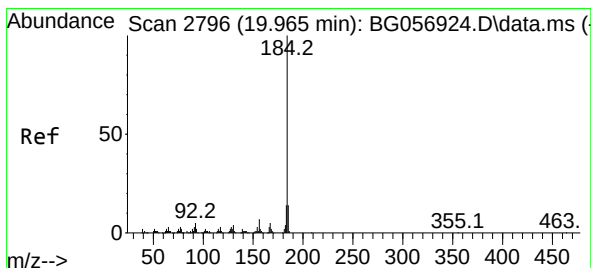
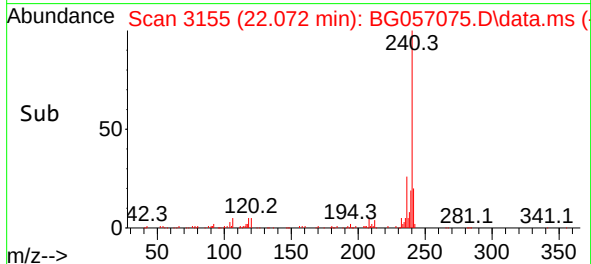
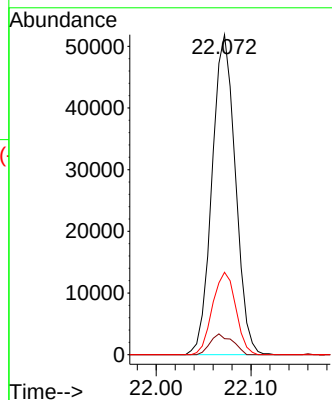
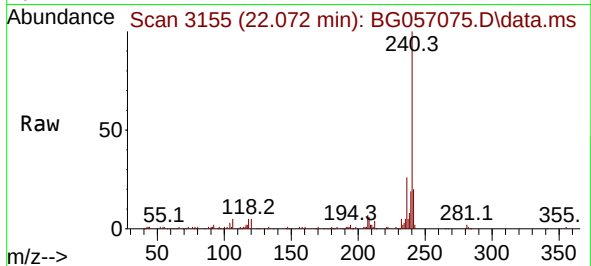




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.072 min Scan# 3159
Delta R.T. -0.009 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

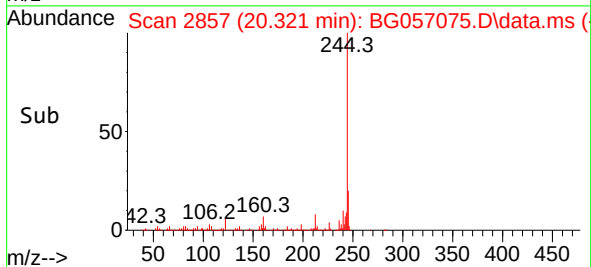
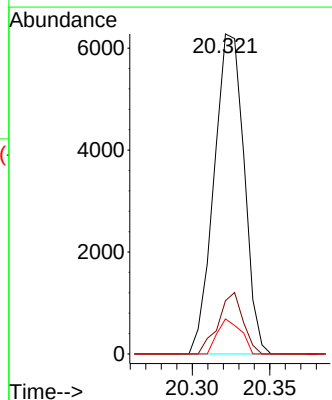
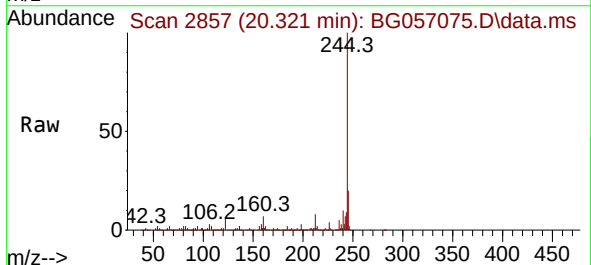
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BNA_G
ClientSampleId :
20230326-COMP-4

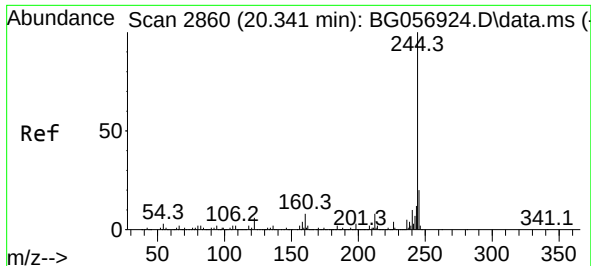
Tgt Ion:240 Resp: 88685
Ion Ratio Lower Upper
240 100
120 5.0 3.8 5.6
236 25.7 21.0 31.6



#77
Benzidine
Concen: 3.487 ng
RT: 20.321 min Scan# 2857
Delta R.T. 0.367 min
Lab File: BG057075.D
Acq: 12 Apr 2023 23:01

Tgt Ion:184 Resp: 8452
Ion Ratio Lower Upper
184 100
185 16.7 11.0 16.4#
183 11.0 11.4 17.0#

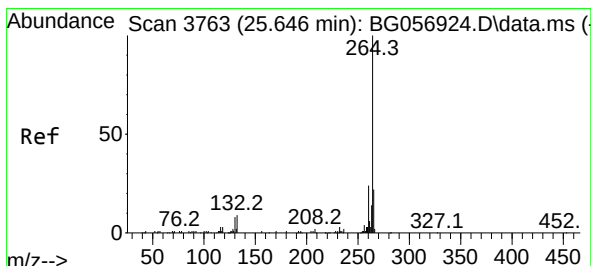
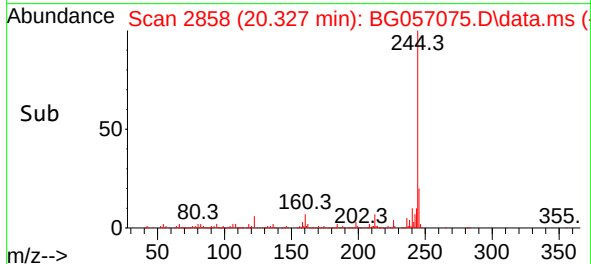
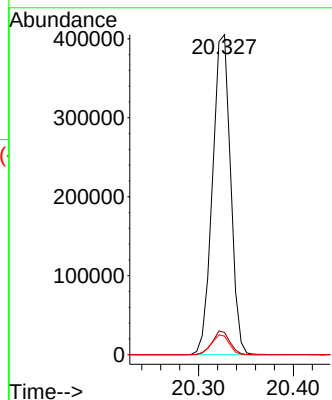
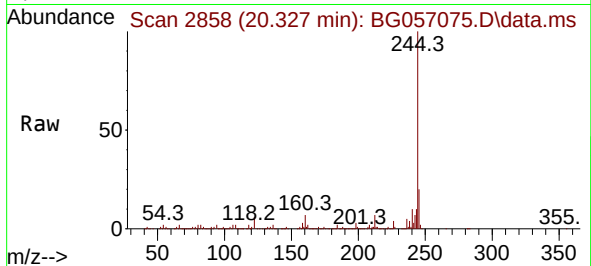




#79
 Terphenyl-d14
 Concen: 101.990 ng
 RT: 20.327 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG057075.D
 Acq: 12 Apr 2023 23:01

Instrument :
 BNA_G
 ClientSampleId :
 20230326-COMP-4

Tgt Ion:244 Resp: 534523
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.8 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.602 min Scan# 3756
 Delta R.T. -0.009 min
 Lab File: BG057075.D
 Acq: 12 Apr 2023 23:01

Tgt Ion:264 Resp: 96569
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 20.1 17.8 26.6

