

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081723\
 Data File : BG058764.D
 Acq On : 17 Aug 2023 15:59
 Operator : MA/JU
 Sample : PB154822TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB154822TB

Quant Time: Aug 18 01:52:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

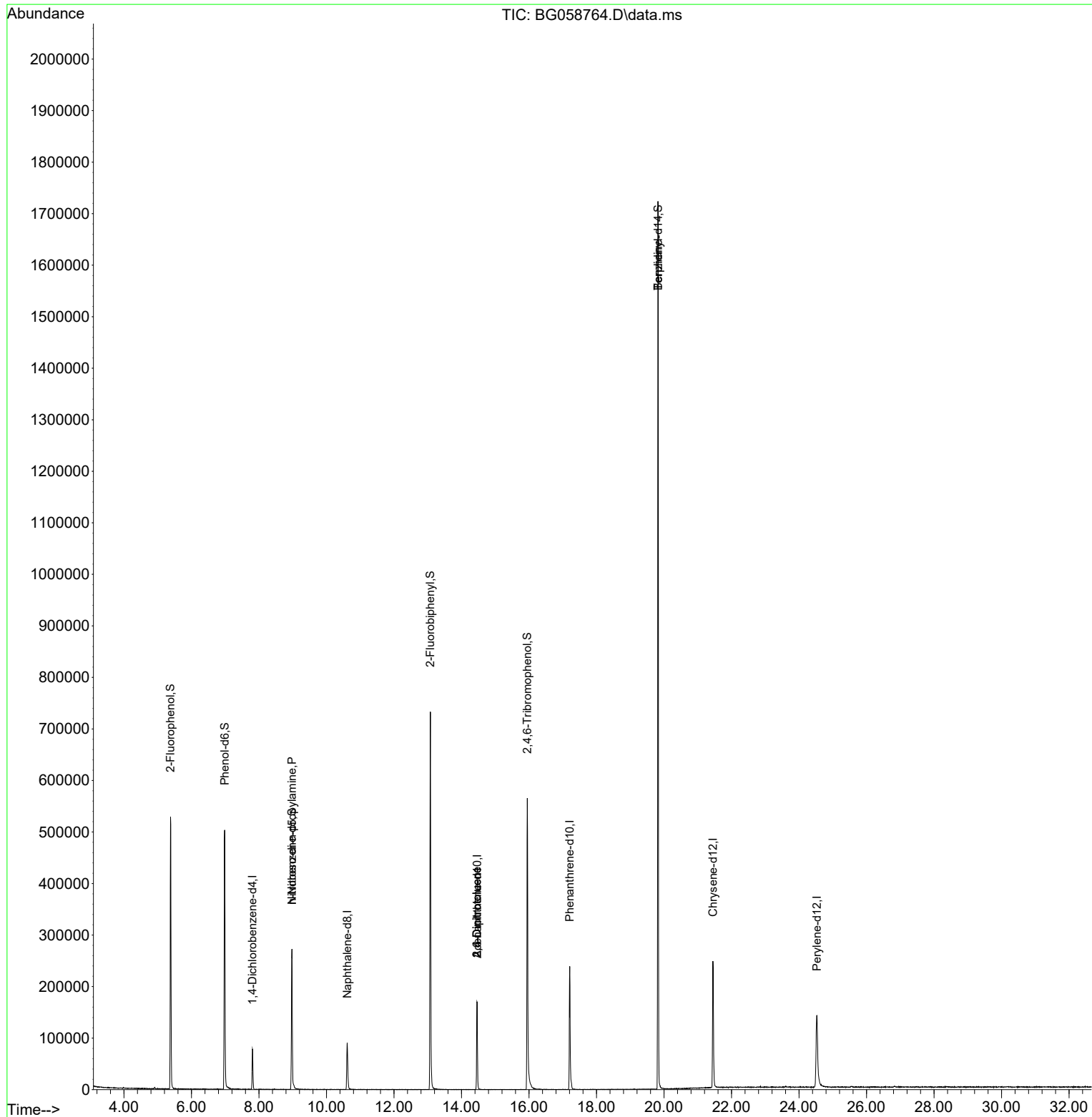
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	21696	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	96027	20.000	ng	# 0.00
39) Acenaphthene-d10	14.463	164	71430	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	194601	20.000	ng	0.00
76) Chrysene-d12	21.449	240	180723	20.000	ng	0.00
86) Perylene-d12	24.528	264	209008	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	216501	152.522	ng	0.00
7) Phenol-d6	6.984	99	287718	145.667	ng	0.00
23) Nitrobenzene-d5	8.976	82	174288	89.162	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	148885	127.166	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	438053	91.903	ng	0.00
79) Terphenyl-d14	19.822	244	918559	95.581	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.976	70	22332	17.504	ng	# 81
51) 2,6-Dinitrotoluene	14.457	165	8667	7.363	ng	# 22
57) 2,4-Dinitrotoluene	14.457	165	8667	5.311	ng	# 23
77) Benzidine	19.822	184	12977	4.735	ng	# 94

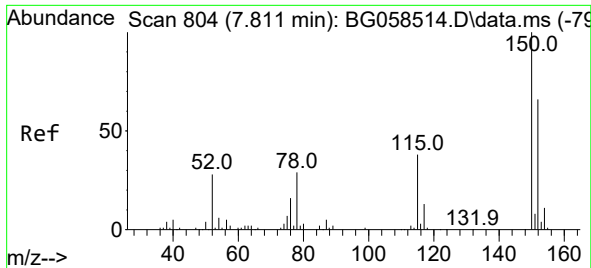
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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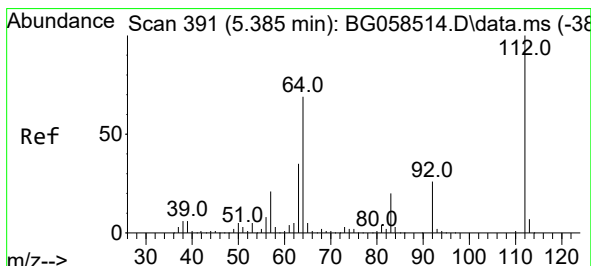
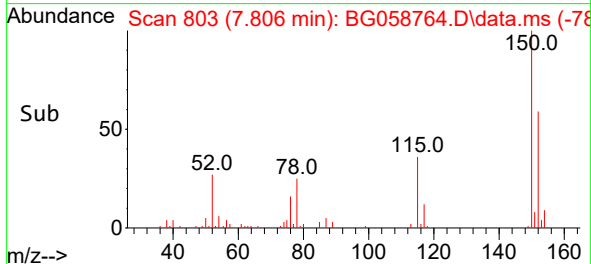
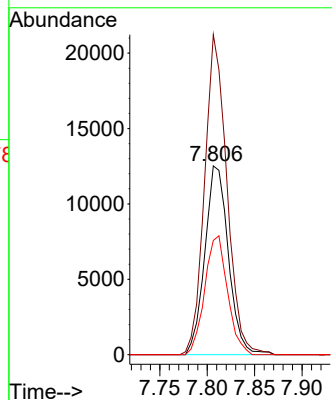
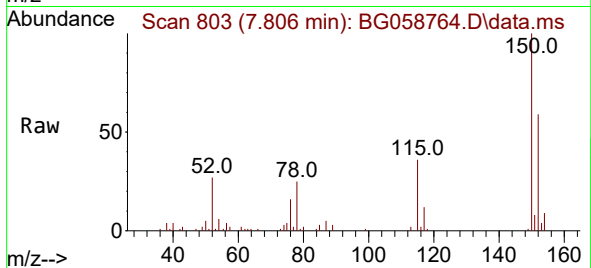




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.806 min Scan# 804
Delta R.T. -0.005 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

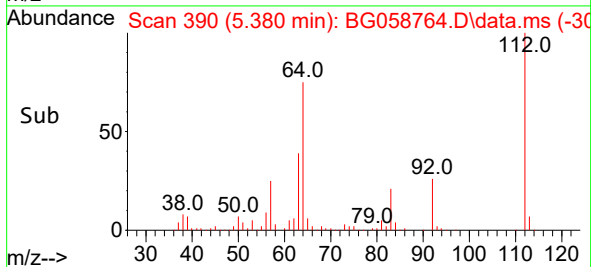
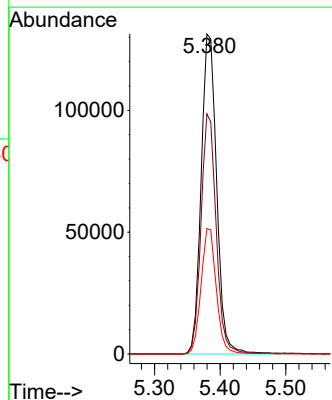
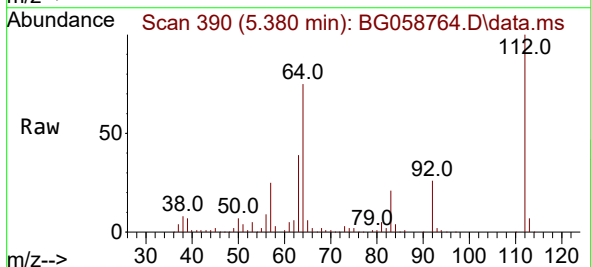
Instrument :
BNA_G
ClientSampleId :
PB154822TB

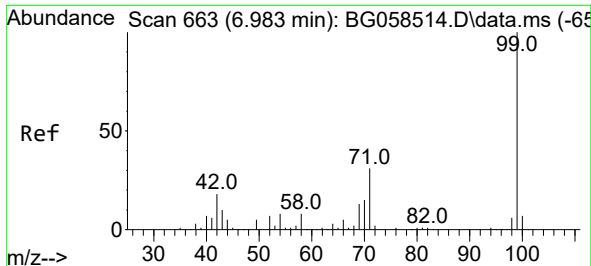
Tgt Ion:152 Resp: 21696
Ion Ratio Lower Upper
152 100
150 169.5 120.5 180.7
115 60.5 45.9 68.9



#5
2-Fluorophenol
Concen: 152.522 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.005 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

Tgt Ion:112 Resp: 216501
Ion Ratio Lower Upper
112 100
64 75.0 55.3 82.9
63 39.2 28.3 42.5

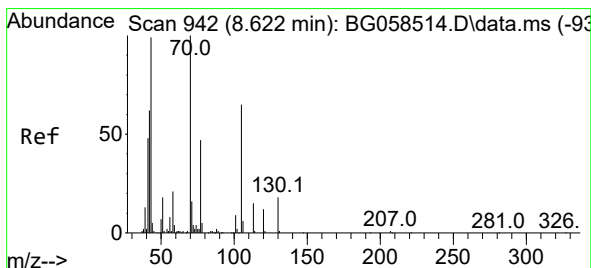
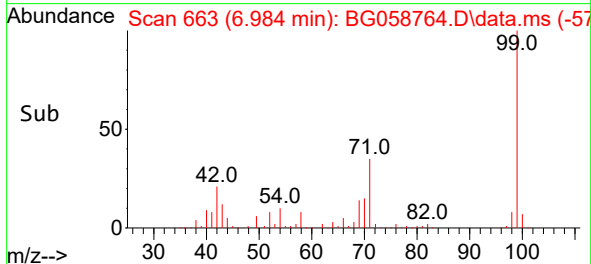
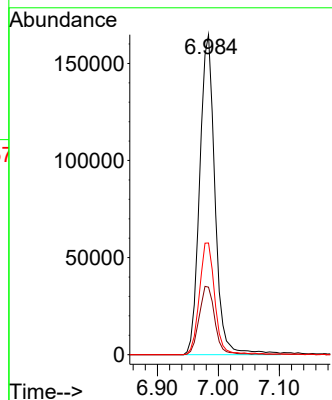
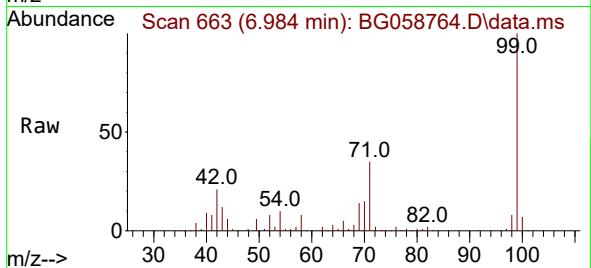




#7
Phenol-d6
Concen: 145.667 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

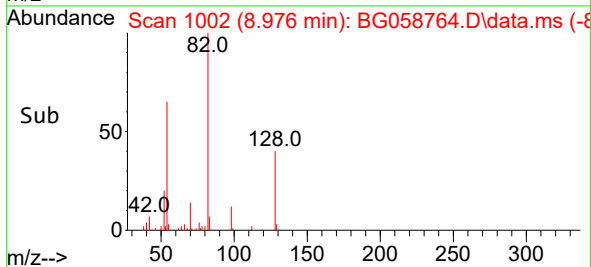
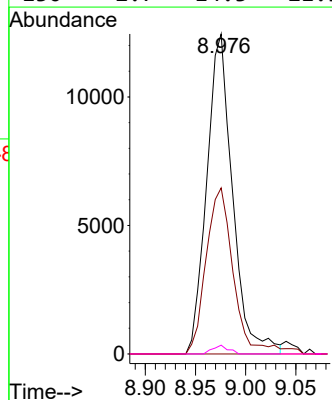
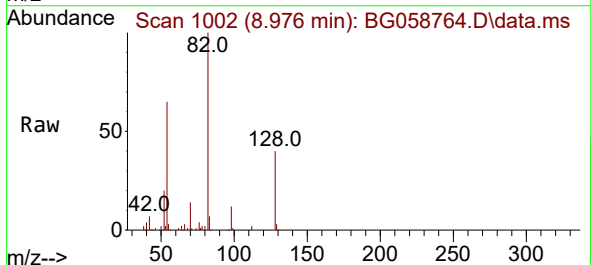
Instrument :
BNA_G
ClientSampleId :
PB154822TB

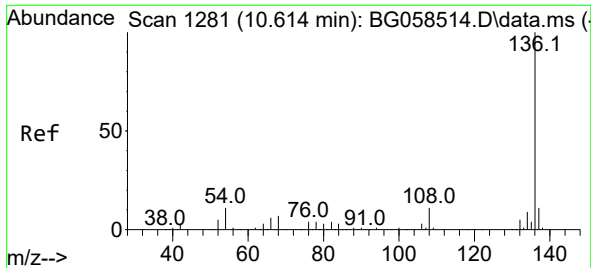
Tgt Ion: 99 Resp: 287718
Ion Ratio Lower Upper
99 100
42 21.1 14.6 21.8
71 34.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.504 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

Tgt Ion: 70 Resp: 22332
Ion Ratio Lower Upper
70 100
42 51.9 49.7 74.5
101 0.0 7.0 10.4#
130 2.7 14.3 21.5#

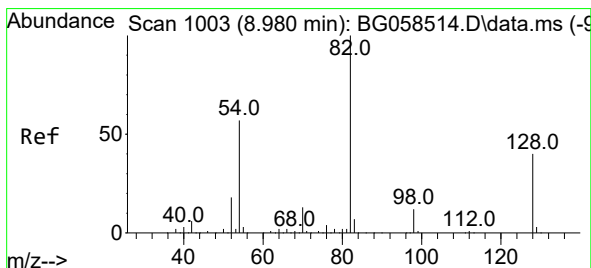
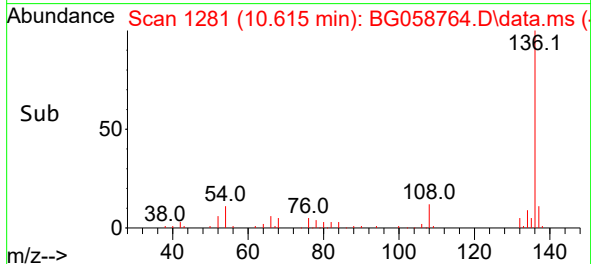
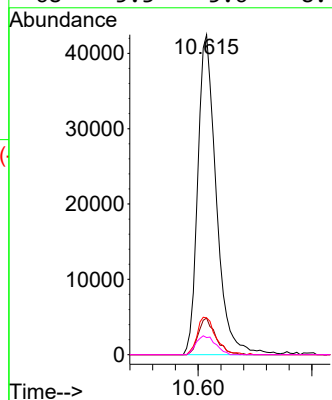
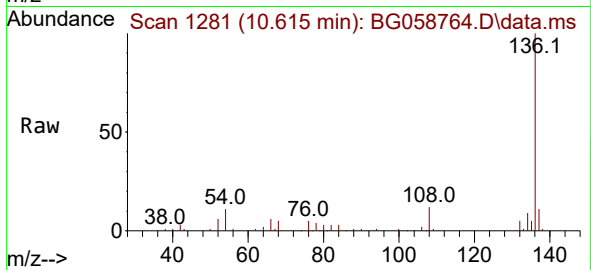




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 1001
Delta R.T. 0.001 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

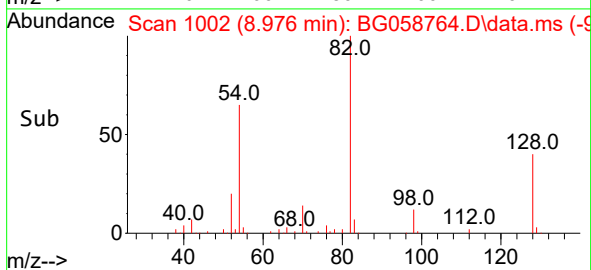
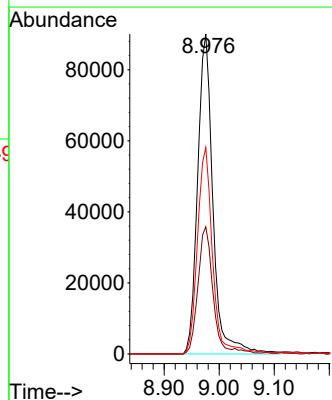
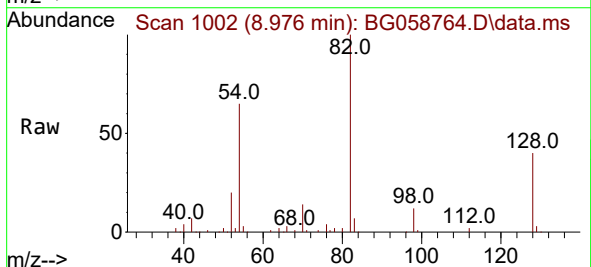
Instrument :
BNA_G
ClientSampleId :
PB154822TB

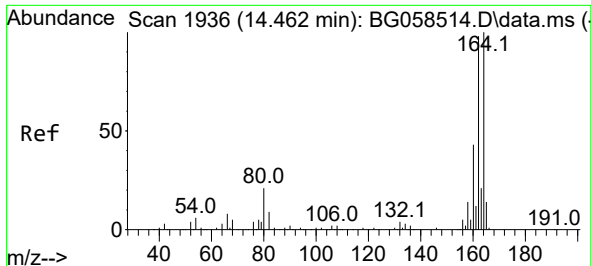
Tgt Ion:	136	Resp:	96027
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	13.0
54	11.5	8.9	13.3
68	5.3	5.6	8.4



#23
Nitrobenzene-d5
Concen: 89.162 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

Tgt Ion:	82	Resp:	174288
Ion Ratio	Lower	Upper	
82	100		
128	39.7	32.2	48.2
54	64.5	46.0	69.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1936

Delta R.T. 0.001 min

Lab File: BG058764.D

Acq: 17 Aug 2023 15:59

Instrument :

BNA_G

ClientSampleId :

PB154822TB

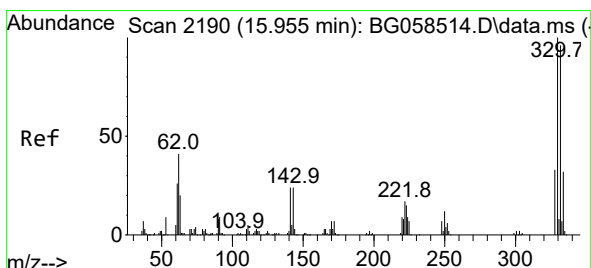
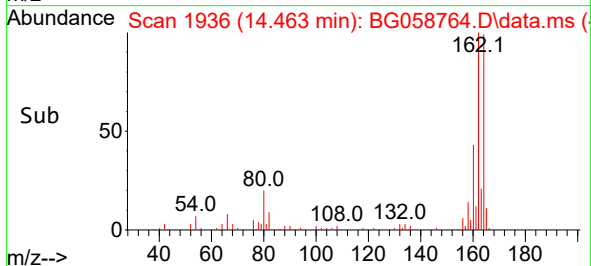
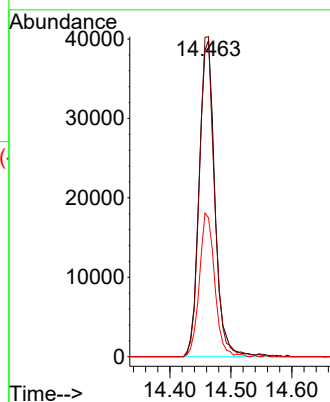
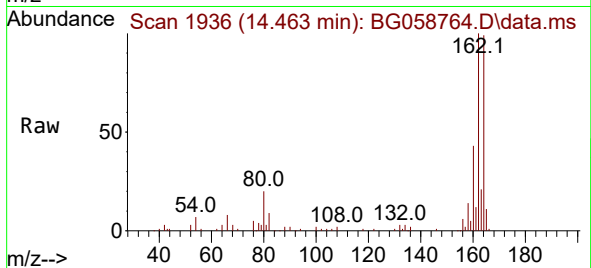
Tgt Ion:164 Resp: 71430

Ion Ratio Lower Upper

164 100

162 101.2 78.3 117.5

160 43.9 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 127.166 ng

RT: 15.950 min Scan# 2189

Delta R.T. -0.005 min

Lab File: BG058764.D

Acq: 17 Aug 2023 15:59

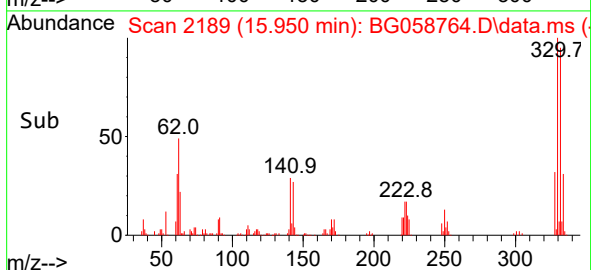
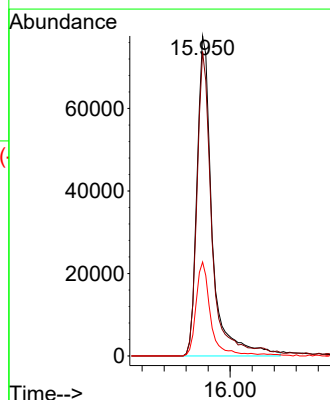
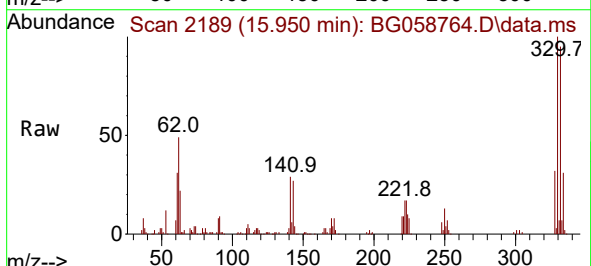
Tgt Ion:330 Resp: 148885

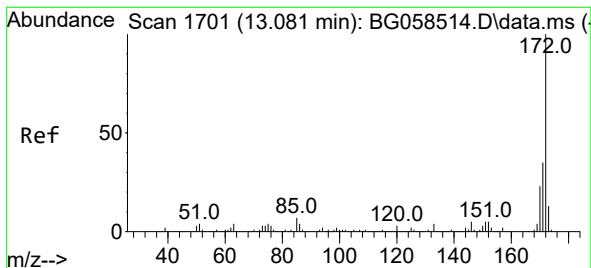
Ion Ratio Lower Upper

330 100

332 91.2 77.5 116.3

141 28.0 20.7 31.1

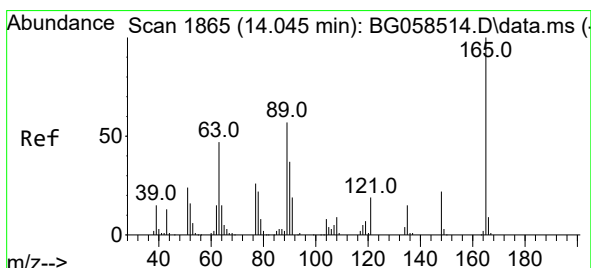
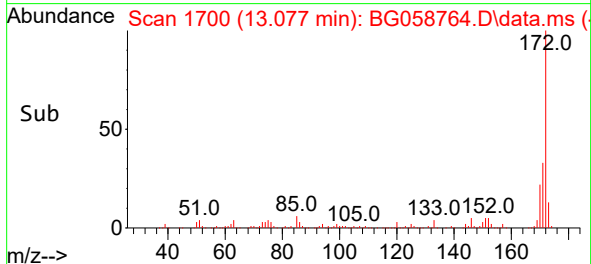
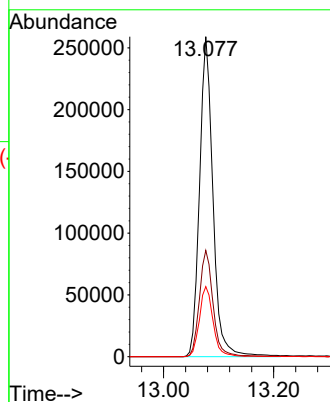
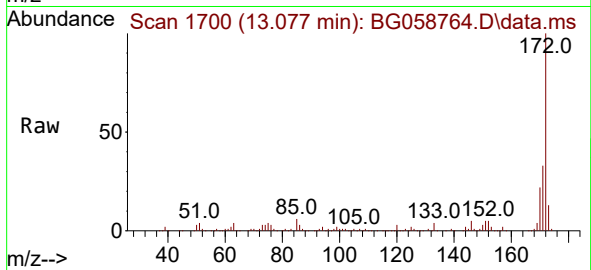




#45
2-Fluorobiphenyl
Concen: 91.903 ng
RT: 13.077 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

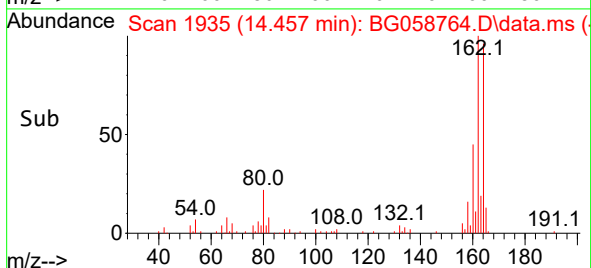
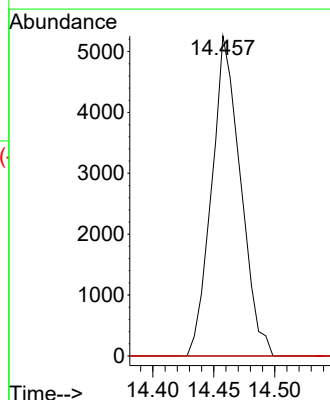
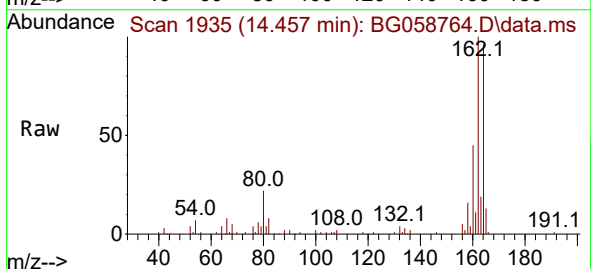
Instrument :
BNA_G
ClientSampleId :
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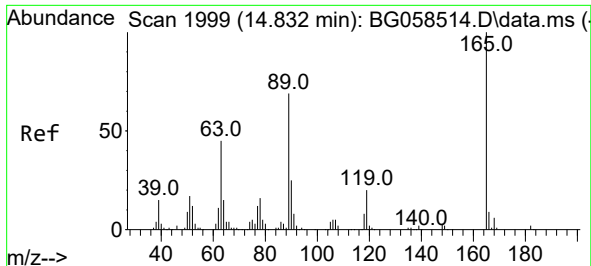
Tgt Ion:172 Resp: 438053
Ion Ratio Lower Upper
172 100
171 33.2 28.0 42.0
170 21.9 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.363 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058764.D
Acq: 17 Aug 2023 15:59

Tgt Ion:165 Resp: 8667
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.311 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.375 min

Lab File: BG058764.D

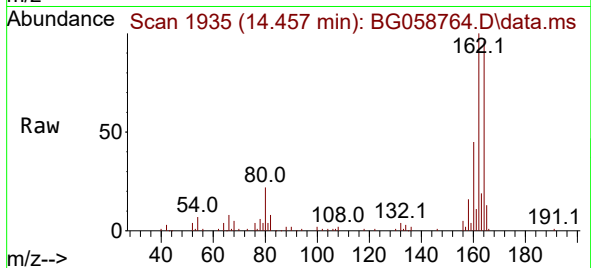
Acq: 17 Aug 2023 15:59

Instrument :

BNA_G

ClientSampleId :

PB154822TB



Tgt Ion:165 Resp: 8667

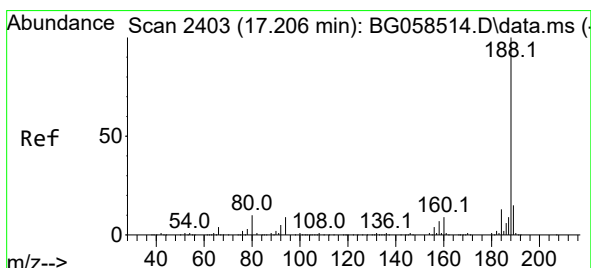
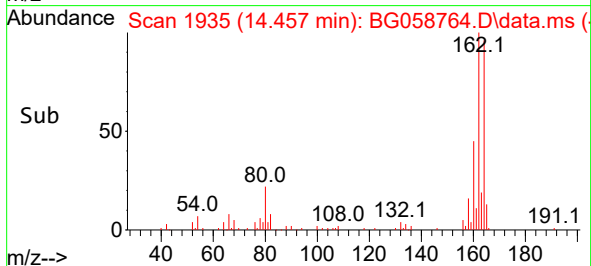
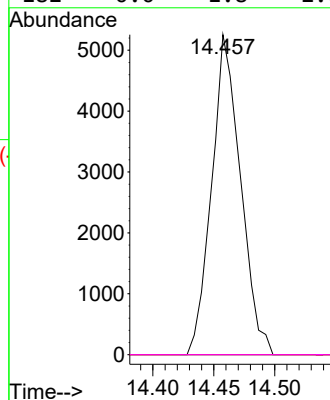
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2403

Delta R.T. 0.001 min

Lab File: BG058764.D

Acq: 17 Aug 2023 15:59

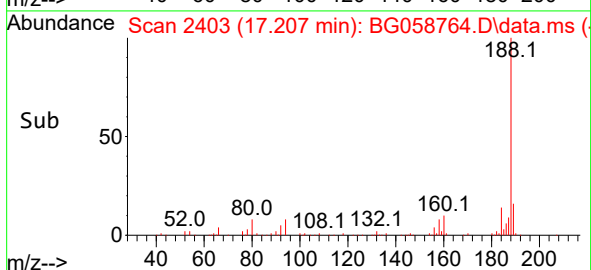
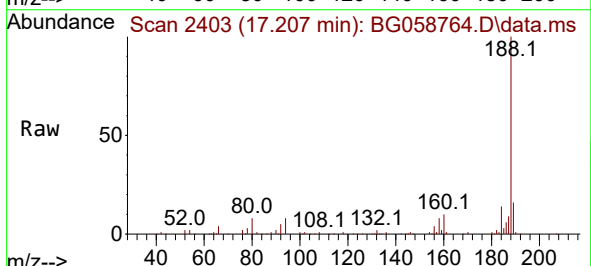
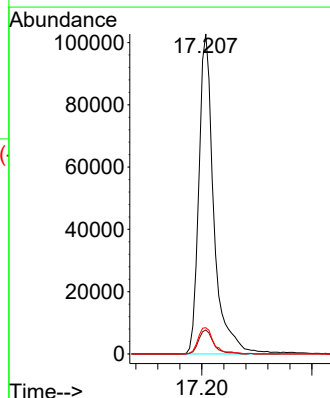
Tgt Ion:188 Resp: 194601

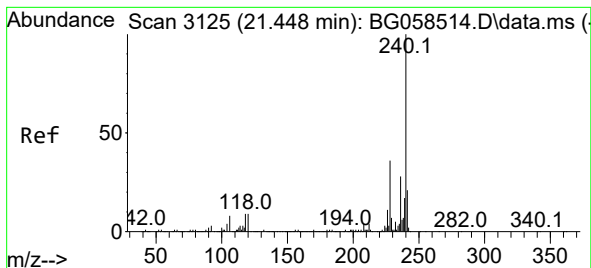
Ion Ratio Lower Upper

188 100

94 7.5 7.0 10.6

80 8.2 8.1 12.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG058764.D

Acq: 17 Aug 2023 15:59

Instrument :

BNA_G

ClientSampleId :

PB154822TB

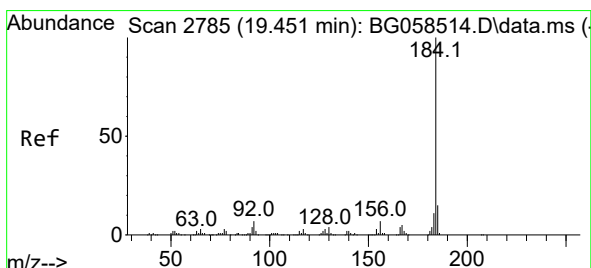
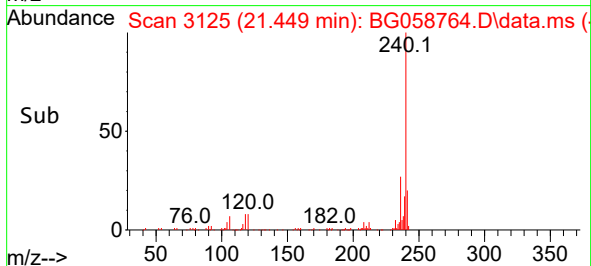
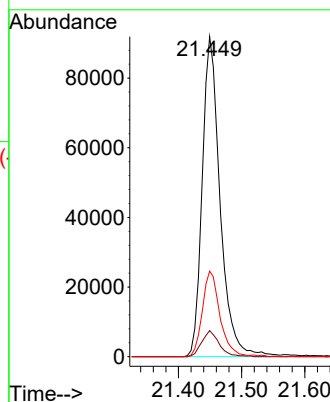
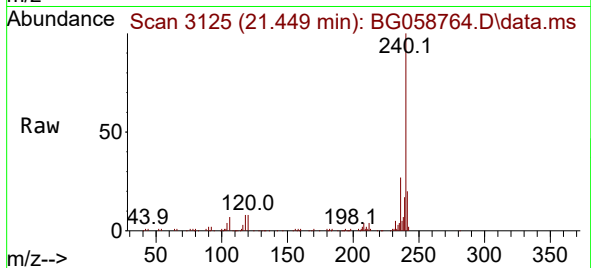
Tgt Ion:240 Resp: 180723

Ion Ratio Lower Upper

240 100

120 8.1 7.4 11.0

236 26.7 22.2 33.4



#77

Benzidine

Concen: 4.735 ng

RT: 19.822 min Scan# 2848

Delta R.T. 0.371 min

Lab File: BG058764.D

Acq: 17 Aug 2023 15:59

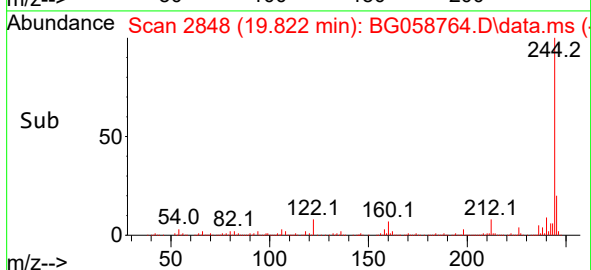
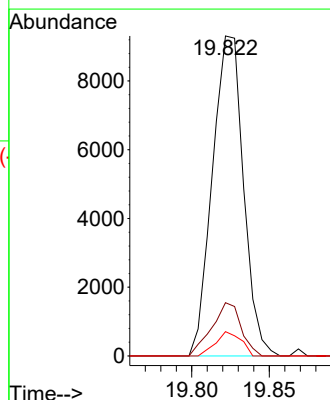
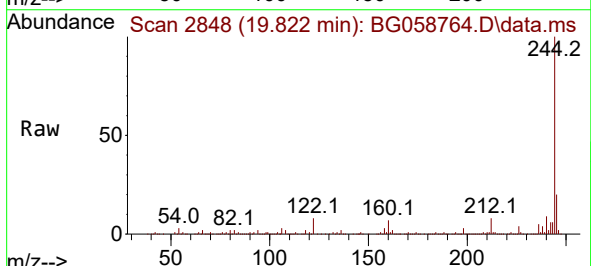
Tgt Ion:184 Resp: 12977

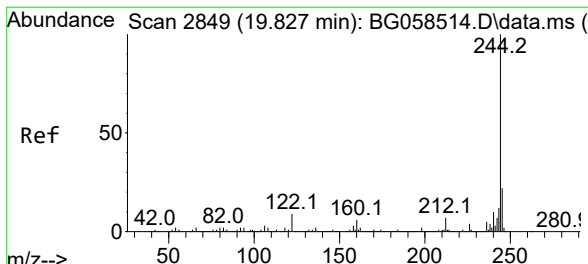
Ion Ratio Lower Upper

184 100

185 16.7 11.9 17.9

183 7.6 8.7 13.1#



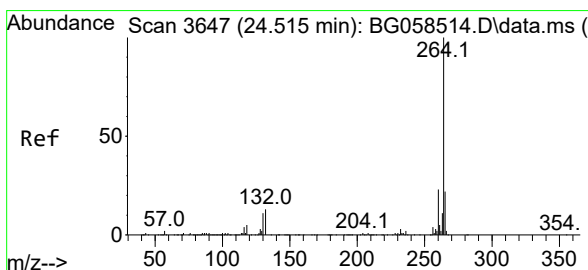
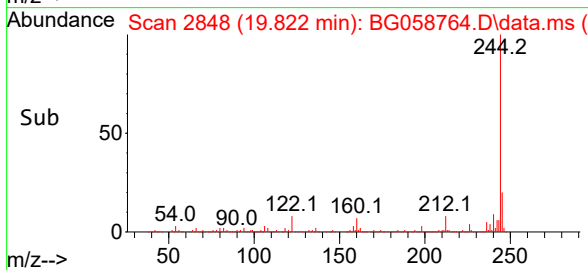
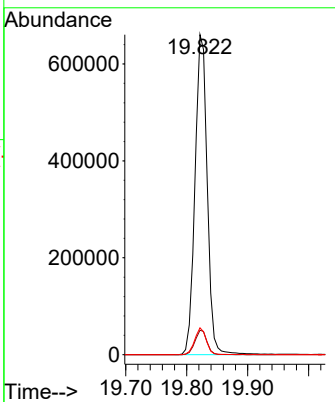
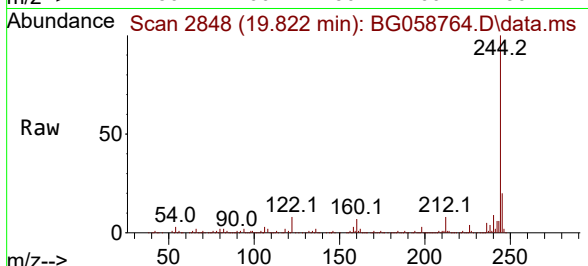


#79
 Terphenyl-d14
 Concen: 95.581 ng
 RT: 19.822 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG058764.D
 Acq: 17 Aug 2023 15:59

Instrument :
 BNA_G
 ClientSampleId :
 PB154822TB

Tgt Ion:244 Resp: 918559

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	8.4	6.8	10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.528 min Scan# 3649
 Delta R.T. 0.013 min
 Lab File: BG058764.D
 Acq: 17 Aug 2023 15:59

Tgt Ion:264 Resp: 209008

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	21.5	17.9	26.9

