

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080223\
 Data File : BG058578.D
 Acq On : 2 Aug 2023 14:44
 Operator : MA/JU
 Sample : 03686-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-20-2-4-20230720

Quant Time: Aug 03 02:42:42 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)

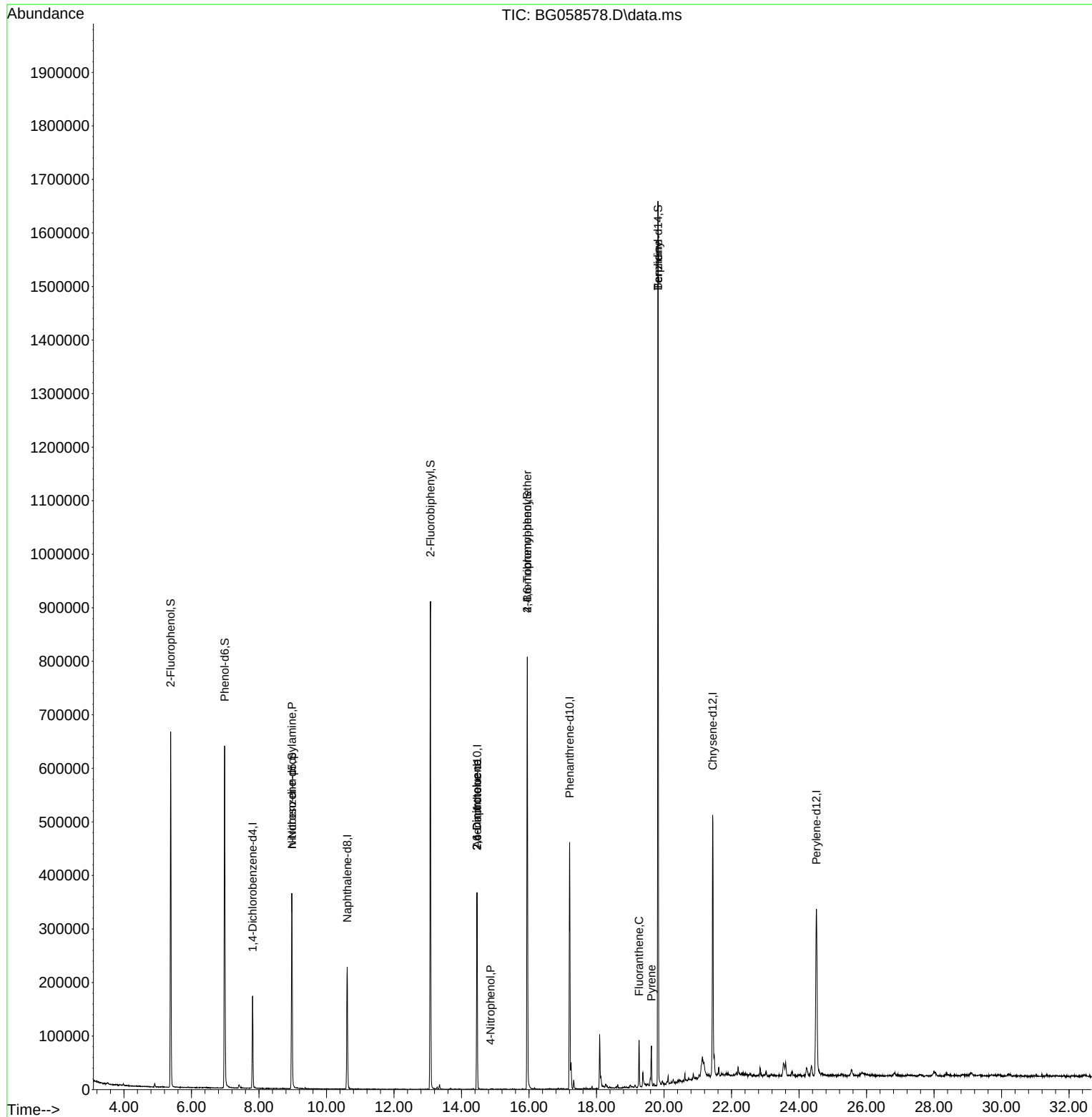
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	46113	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	197616	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	138994	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	318780	20.000	ng	0.00
76) Chrysene-d12	21.442	240	278995	20.000	ng	0.00
86) Perylene-d12	24.515	264	350369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	279602	92.677	ng	0.00
7) Phenol-d6	6.983	99	391321	93.215	ng	0.00
23) Nitrobenzene-d5	8.975	82	233579	58.065	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	183692	80.630	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	511230	55.119	ng	0.00
79) Terphenyl-d14	19.827	244	885250	59.669	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.975	70	29600	10.916	ng	# 75
51) 2,6-Dinitrotoluene	14.456	165	18078	7.893	ng	# 24
56) 4-Nitrophenol	14.862	139	116	3.390	ng	# 3
57) 2,4-Dinitrotoluene	14.456	165	18078	5.693	ng	# 24
67) 4-Bromophenyl-phenylether	15.949	248	11627	3.216	ng	# 1
75) Fluoranthene	19.263	202	52889	2.912	ng	97
77) Benzidine	19.821	184	10486	2.479	ng	# 94
78) Pyrene	19.627	202	46876	2.469	ng	95

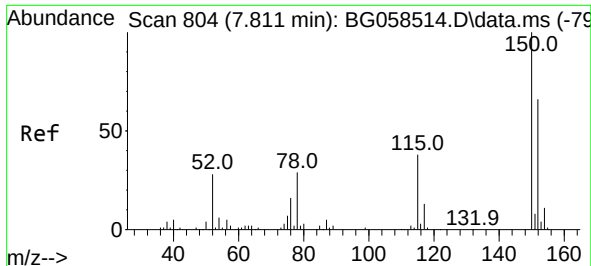
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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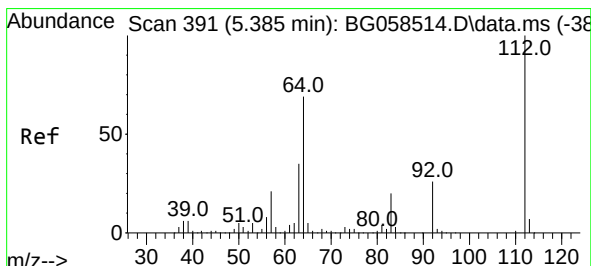
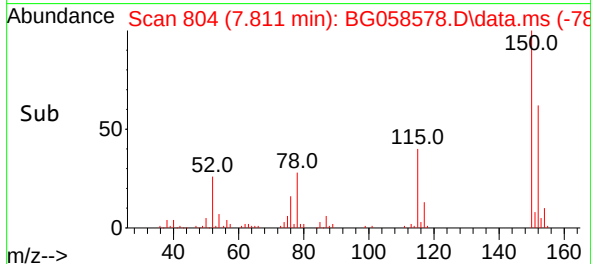
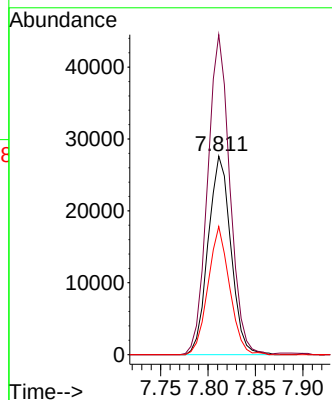
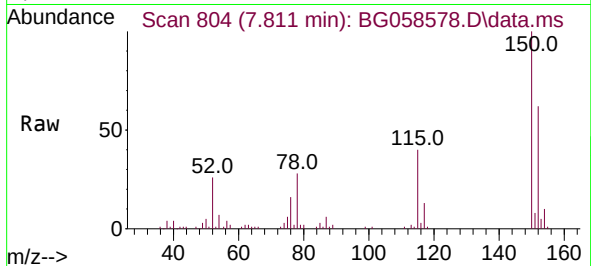




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

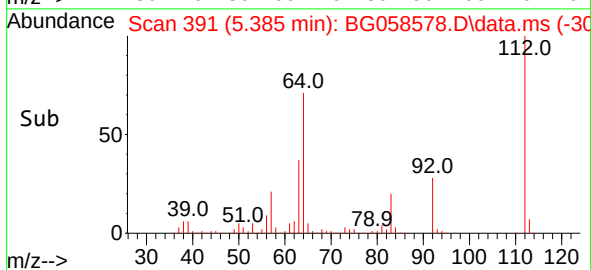
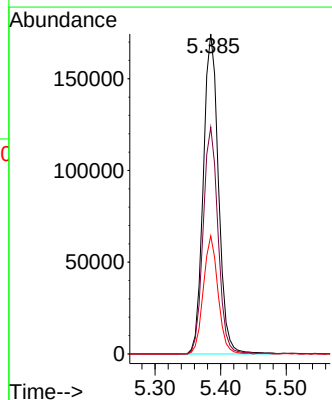
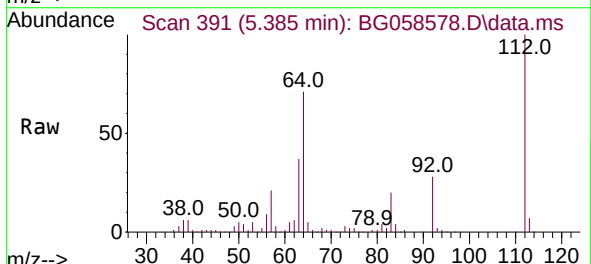
Instrument :
BNA_G
ClientSampleId :
SB-20-2-4-20230720

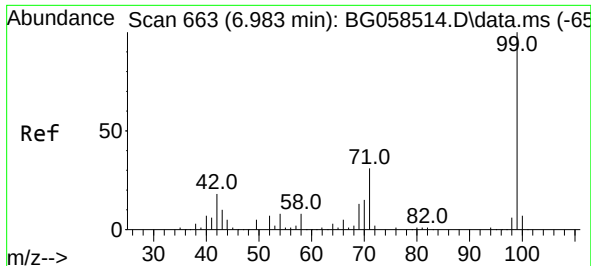
Tgt Ion:152 Resp: 46113
Ion Ratio Lower Upper
152 100
150 161.2 120.5 180.7
115 64.5 45.9 68.9



#5
2-Fluorophenol
Concen: 92.677 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

Tgt Ion:112 Resp: 279602
Ion Ratio Lower Upper
112 100
64 70.8 55.3 82.9
63 36.9 28.3 42.5

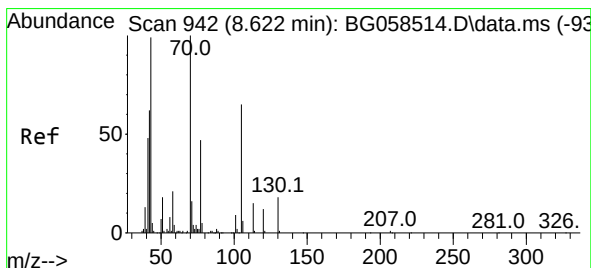
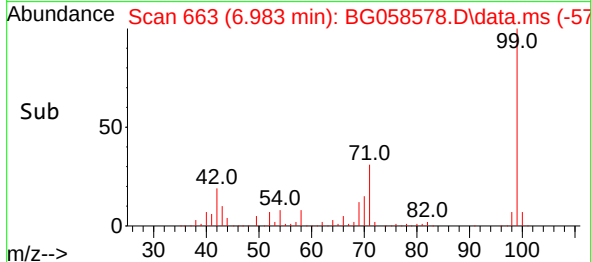
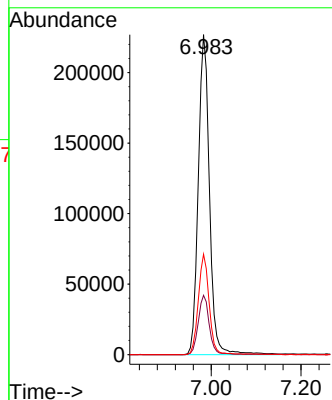
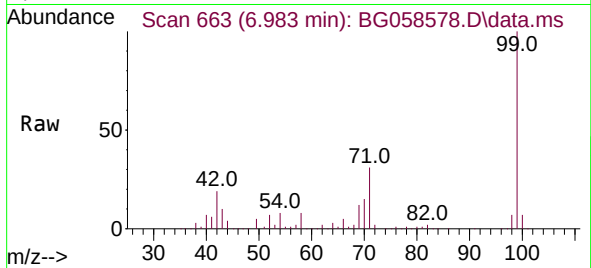




#7
Phenol-d6
Concen: 93.215 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

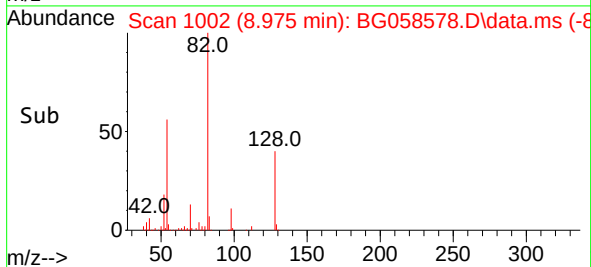
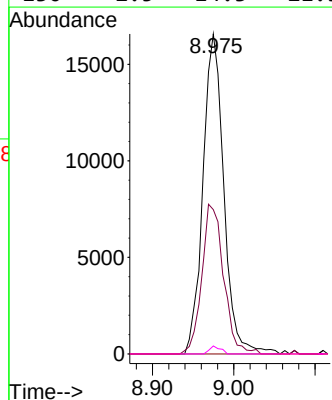
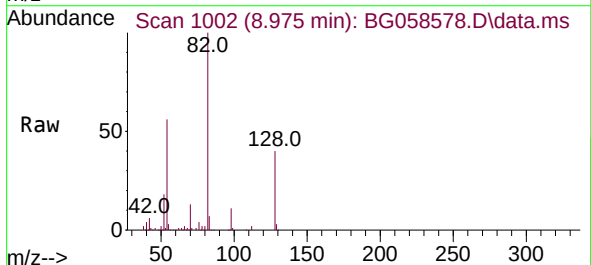
Instrument :
BNA_G
ClientSampleId :
SB-20-2-4-20230720

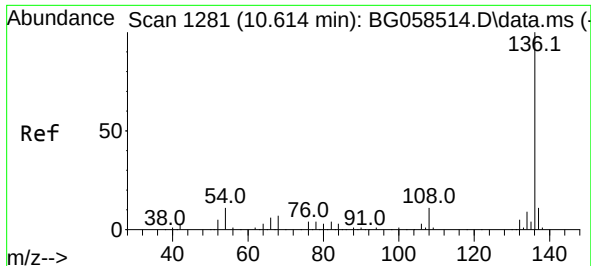
Tgt Ion: 99 Resp: 391321
Ion Ratio Lower Upper
99 100
42 18.5 14.6 21.8
71 31.4 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.916 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

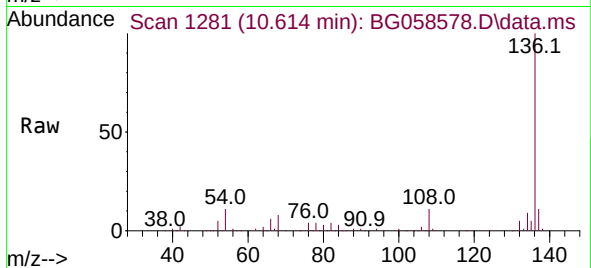
Tgt Ion: 70 Resp: 29600
Ion Ratio Lower Upper
70 100
42 45.1 49.7 74.5#
101 0.0 7.0 10.4#
130 2.5 14.3 21.5#





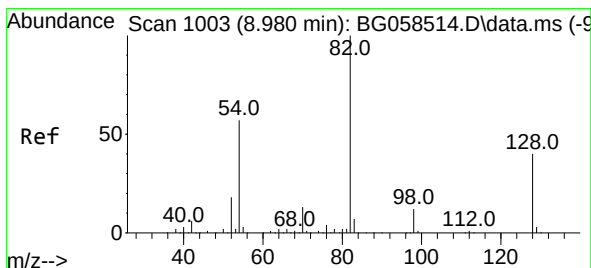
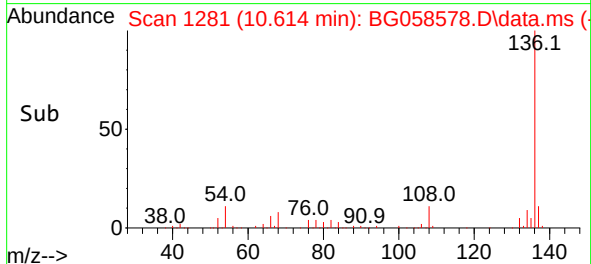
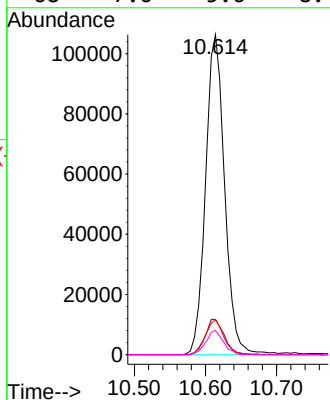
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

Instrument :
BNA_G
ClientSampleId :
SB-20-2-4-20230720



Tgt Ion:136 Resp: 197616

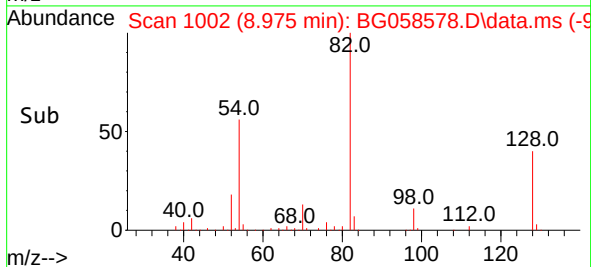
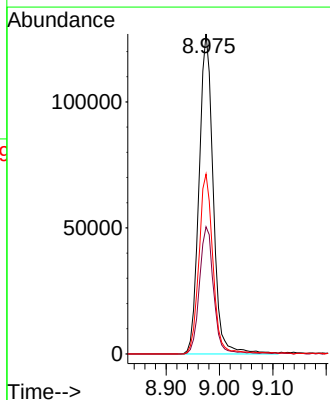
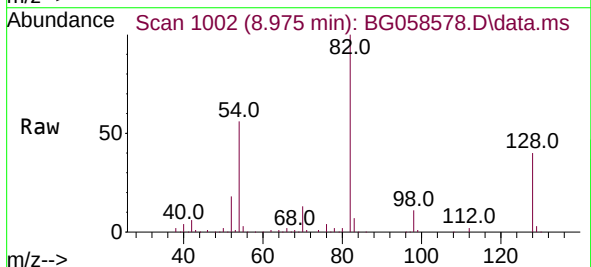
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.9	8.9	13.3
68	7.6	5.6	8.4

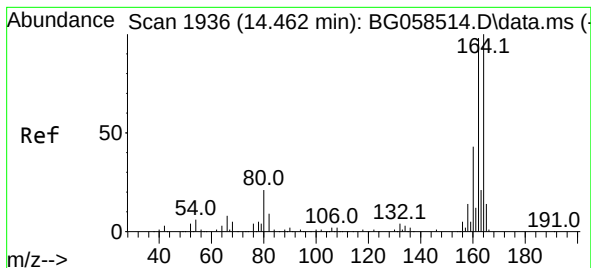


#23
Nitrobenzene-d5
Concen: 58.065 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

Tgt Ion: 82 Resp: 233579

Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.2	48.2
54	56.2	46.0	69.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.462 min Scan# 1936

Delta R.T. 0.000 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

Instrument :

BNA_G

ClientSampleId :

SB-20-2-4-20230720

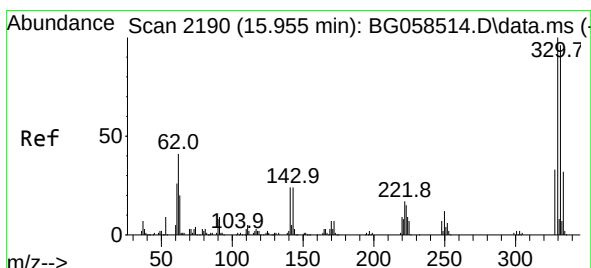
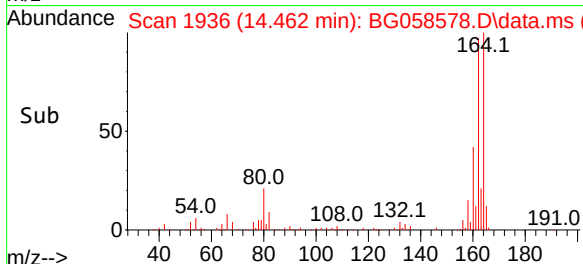
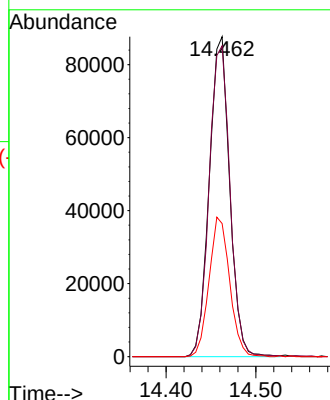
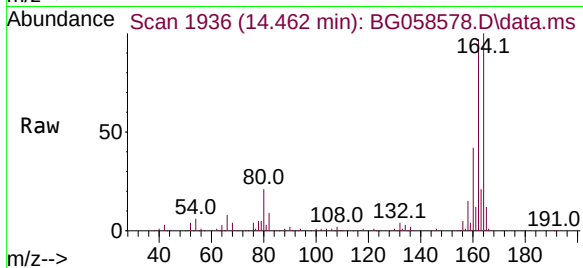
Tgt Ion:164 Resp: 138994

Ion Ratio Lower Upper

164 100

162 97.1 78.3 117.5

160 41.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 80.630 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.006 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

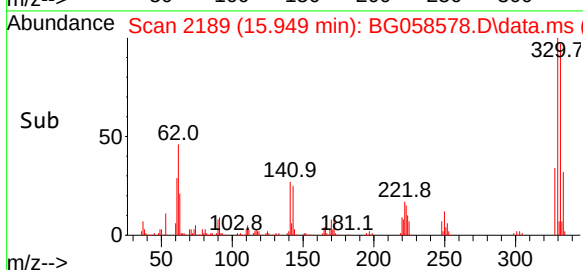
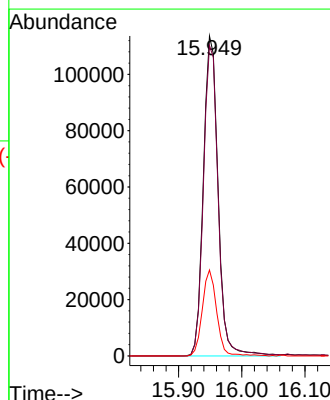
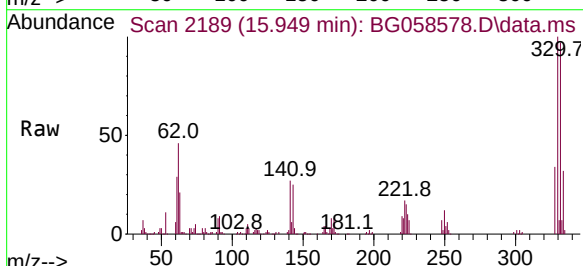
Tgt Ion:330 Resp: 183692

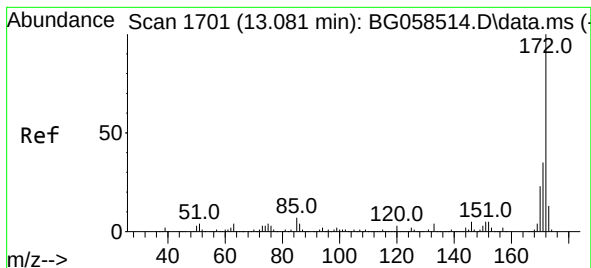
Ion Ratio Lower Upper

330 100

332 97.3 77.5 116.3

141 26.1 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 55.119 ng

RT: 13.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

Instrument :

BNA_G

ClientSampleId :

SB-20-2-4-20230720

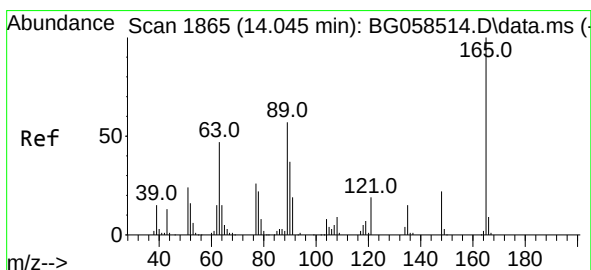
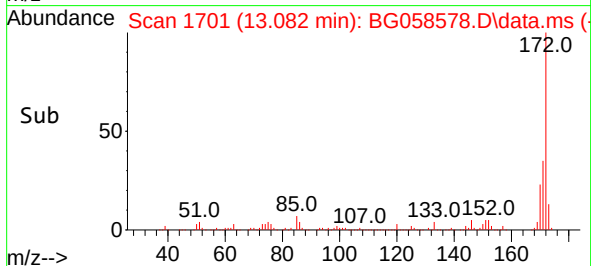
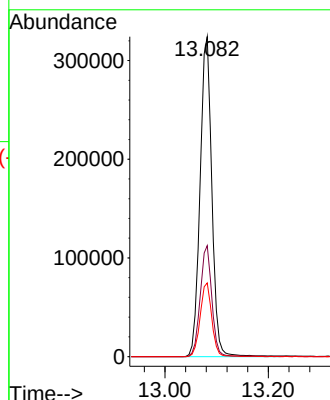
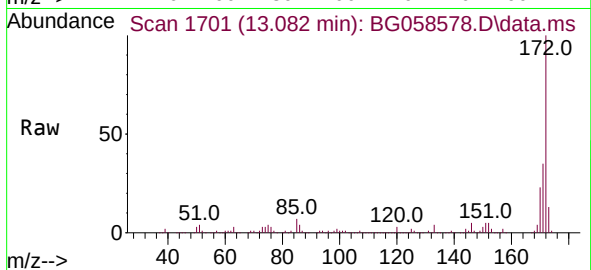
Tgt Ion:172 Resp: 511230

Ion Ratio Lower Upper

172 100

171 34.7 28.0 42.0

170 23.0 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.893 ng

RT: 14.456 min Scan# 1935

Delta R.T. 0.411 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

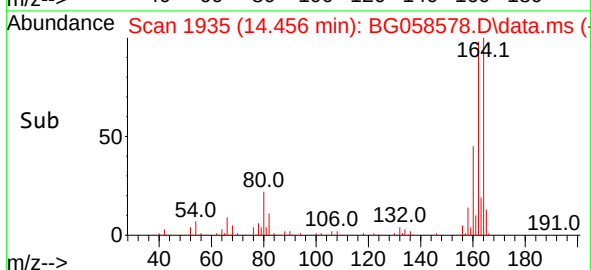
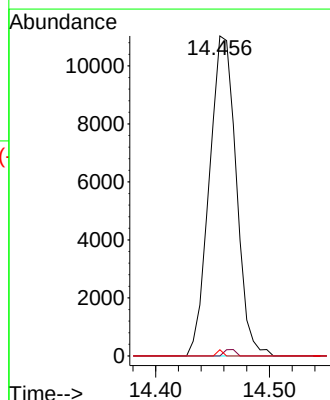
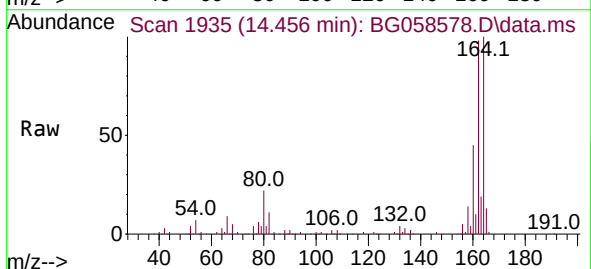
Tgt Ion:165 Resp: 18078

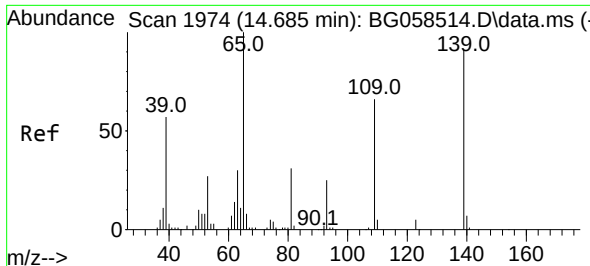
Ion Ratio Lower Upper

165 100

63 0.0 46.4 69.6#

89 1.9 45.3 67.9#

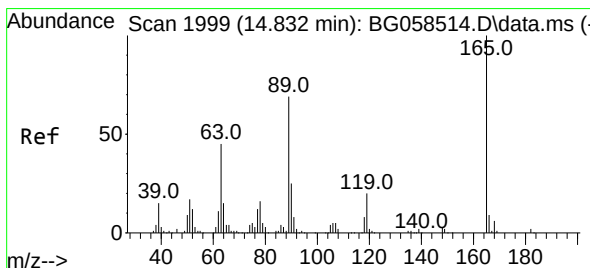
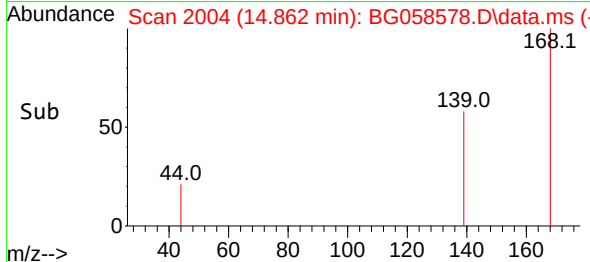
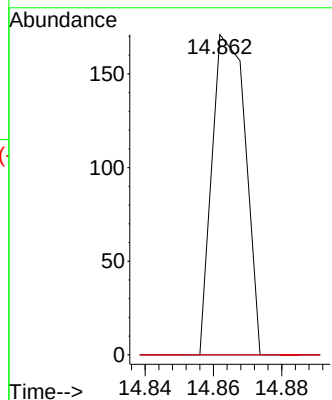
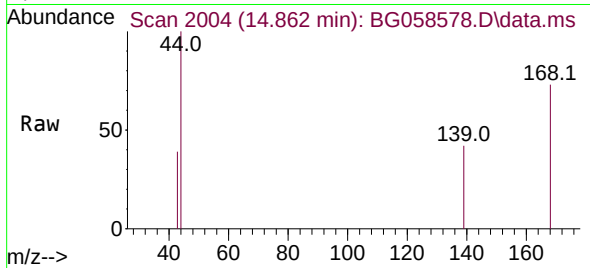




#56
4-Nitrophenol
Concen: 3.390 ng
RT: 14.862 min Scan# 20
Delta R.T. 0.177 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

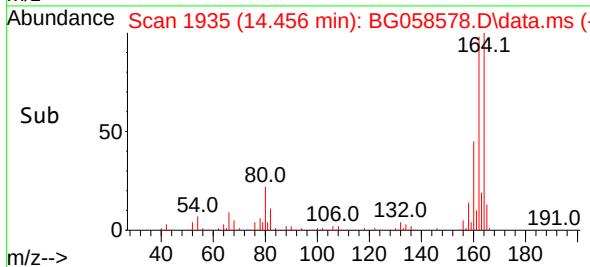
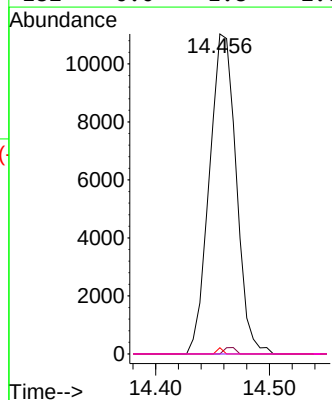
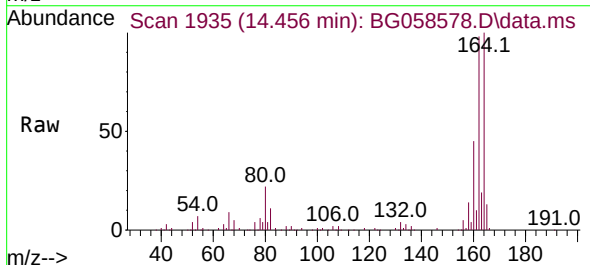
Instrument :
BNA_G
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SB-20-2-4-20230720

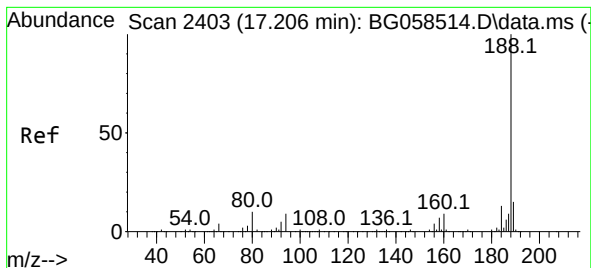
Tgt Ion:139 Resp: 116
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.693 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.376 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

Tgt Ion:165 Resp: 18078
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 1.9 55.4 83.0#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.206 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

Instrument :

BNA_G

ClientSampleId :

SB-20-2-4-20230720

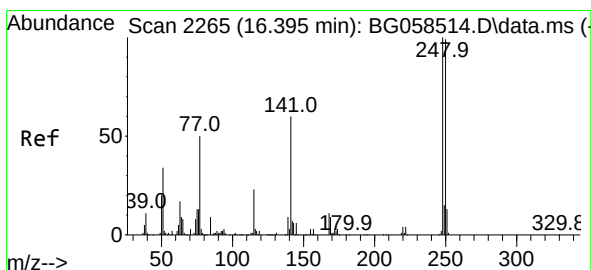
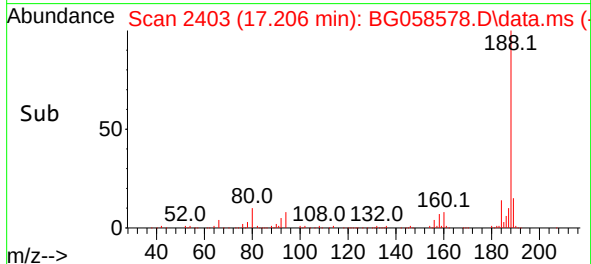
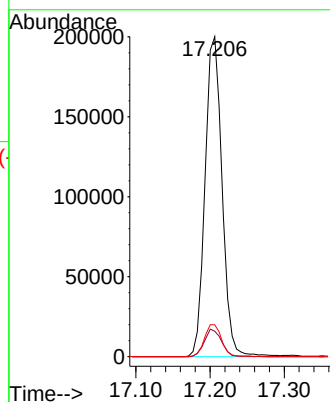
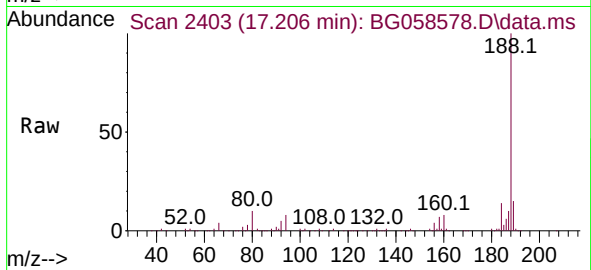
Tgt Ion:188 Resp: 318780

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.6

80 9.9 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.216 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.446 min

Lab File: BG058578.D

Acq: 2 Aug 2023 14:44

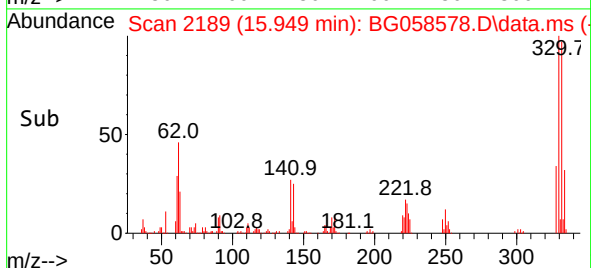
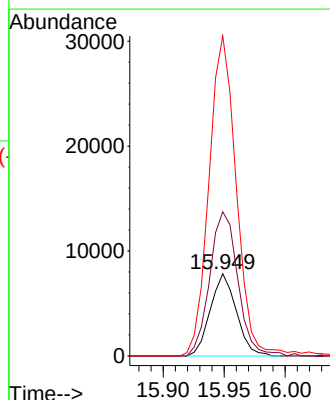
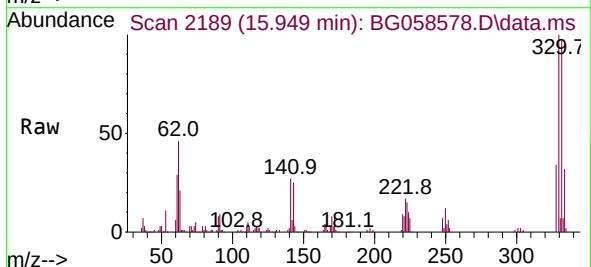
Tgt Ion:248 Resp: 11627

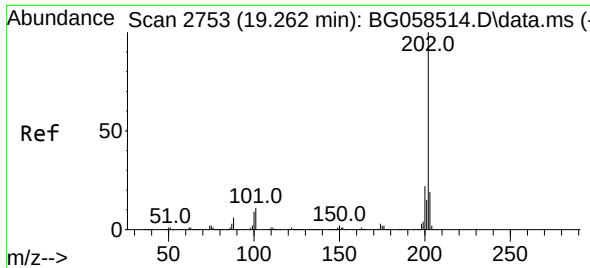
Ion Ratio Lower Upper

248 100

250 175.3 79.5 119.3#

141 389.4 48.2 72.2#

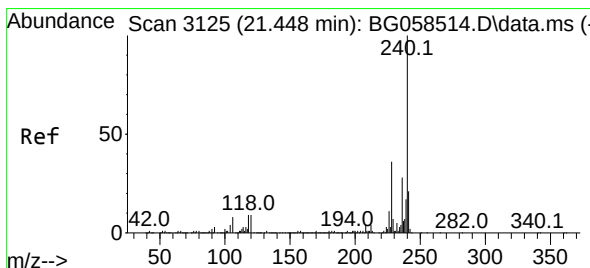
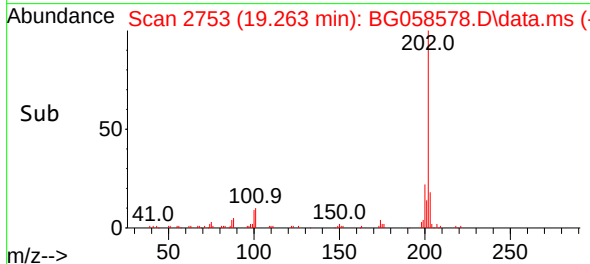
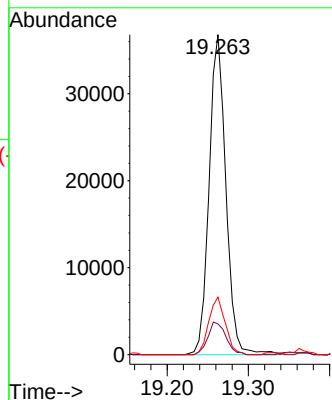
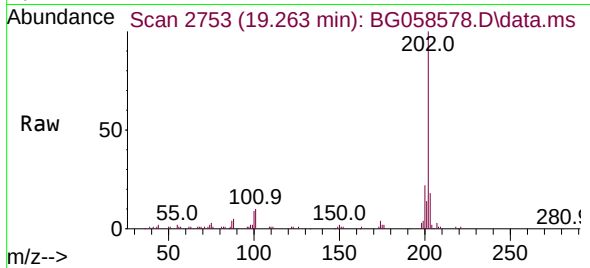




#75
Fluoranthene
Concen: 2.912 ng
RT: 19.263 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

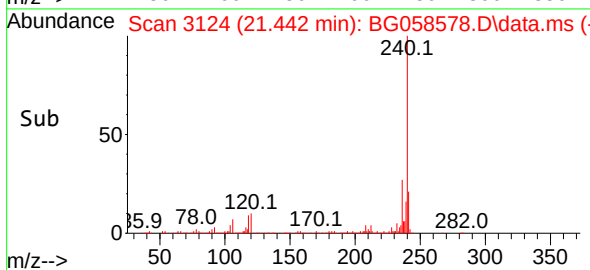
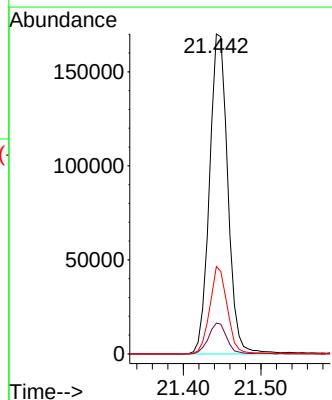
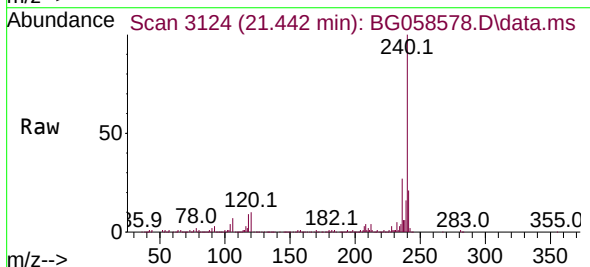
Instrument :
BNA_G
ClientSampleId :
SB-20-2-4-20230720

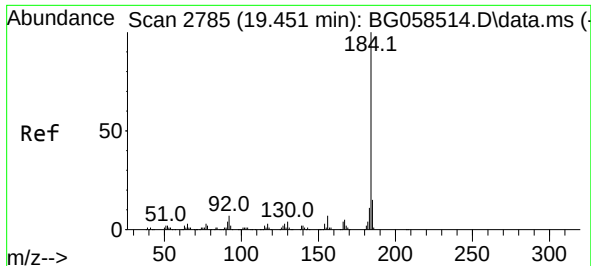
Tgt Ion:202 Resp: 52889
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 18.0 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.442 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

Tgt Ion:240 Resp: 278995
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 27.3 22.2 33.4

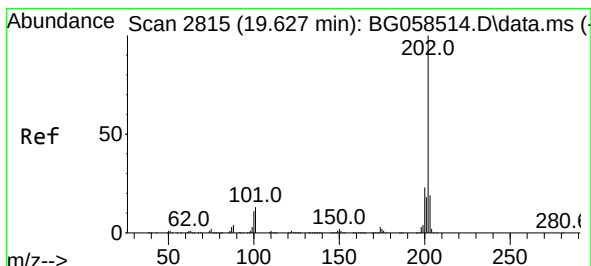
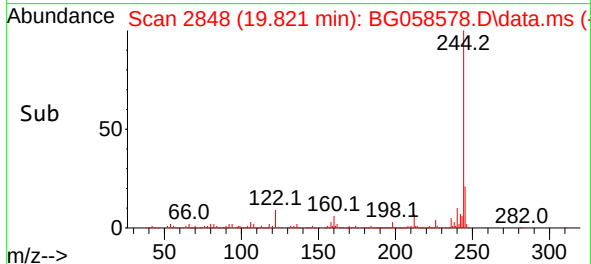
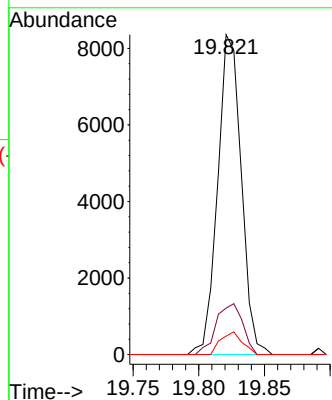
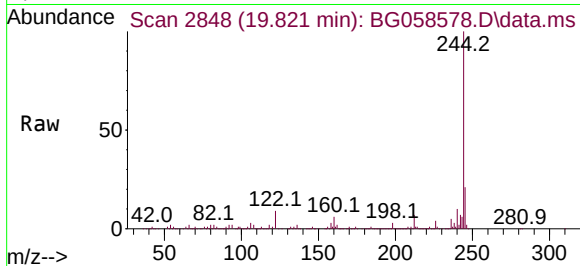




#77
Benzidine
Concen: 2.479 ng
RT: 19.821 min Scan# 2848
Delta R.T. 0.370 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

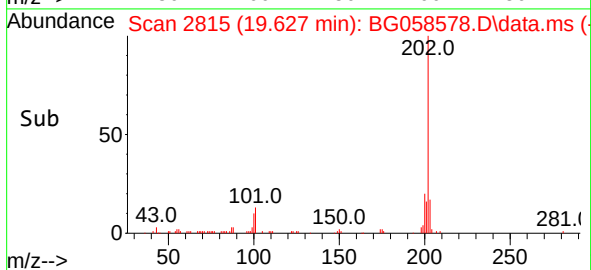
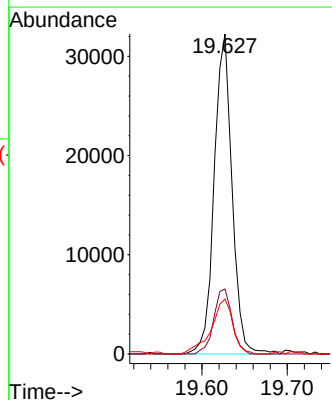
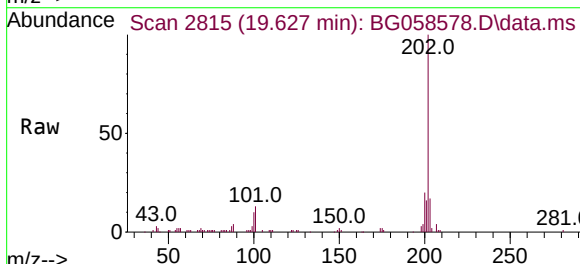
Instrument :
BNA_G
ClientSampleId :
SB-20-2-4-20230720

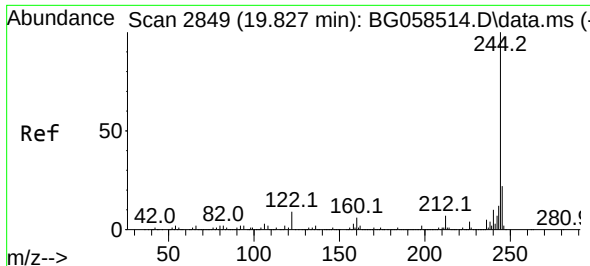
Tgt Ion:184 Resp: 10486
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 5.8 8.7 13.1#



#78
Pyrene
Concen: 2.469 ng
RT: 19.627 min Scan# 2815
Delta R.T. 0.000 min
Lab File: BG058578.D
Acq: 2 Aug 2023 14:44

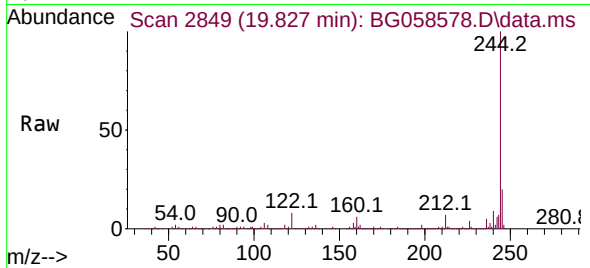
Tgt Ion:202 Resp: 46876
Ion Ratio Lower Upper
202 100
200 20.3 18.2 27.2
203 17.1 15.1 22.7



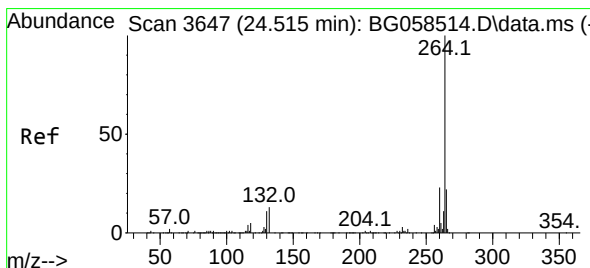
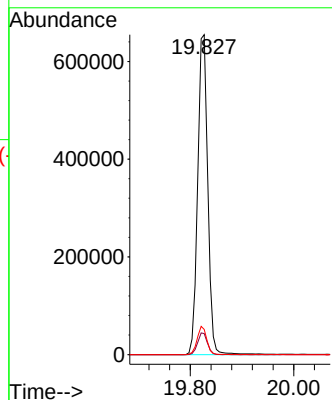
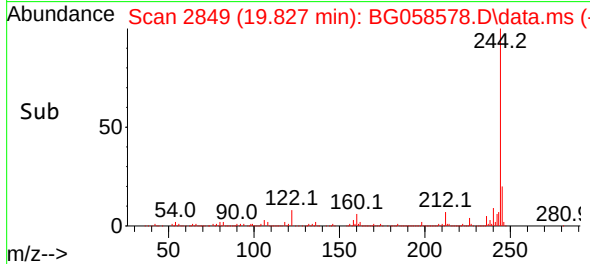


#79
 Terphenyl-d14
 Concen: 59.669 ng
 RT: 19.827 min Scan# 2849
 Delta R.T. 0.000 min
 Lab File: BG058578.D
 Acq: 2 Aug 2023 14:44

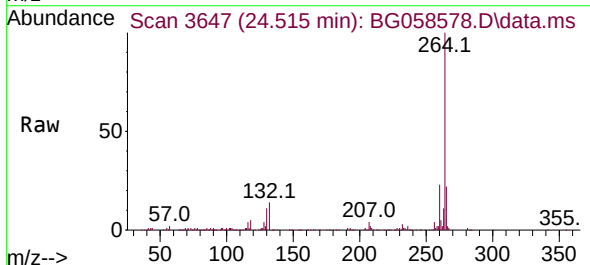
Instrument :
 BNA_G
 ClientSampleId :
 SB-20-2-4-20230720



Tgt Ion:244 Resp: 885250
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 7.9 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.515 min Scan# 3647
 Delta R.T. 0.000 min
 Lab File: BG058578.D
 Acq: 2 Aug 2023 14:44



Tgt Ion:264 Resp: 350369
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.4 27.6
 265 21.7 17.9 26.9

