

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080423\
 Data File : BG058604.D
 Acq On : 4 Aug 2023 10:03
 Operator : MA/JU
 Sample : 03877-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Aug 04 11:56:44 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)

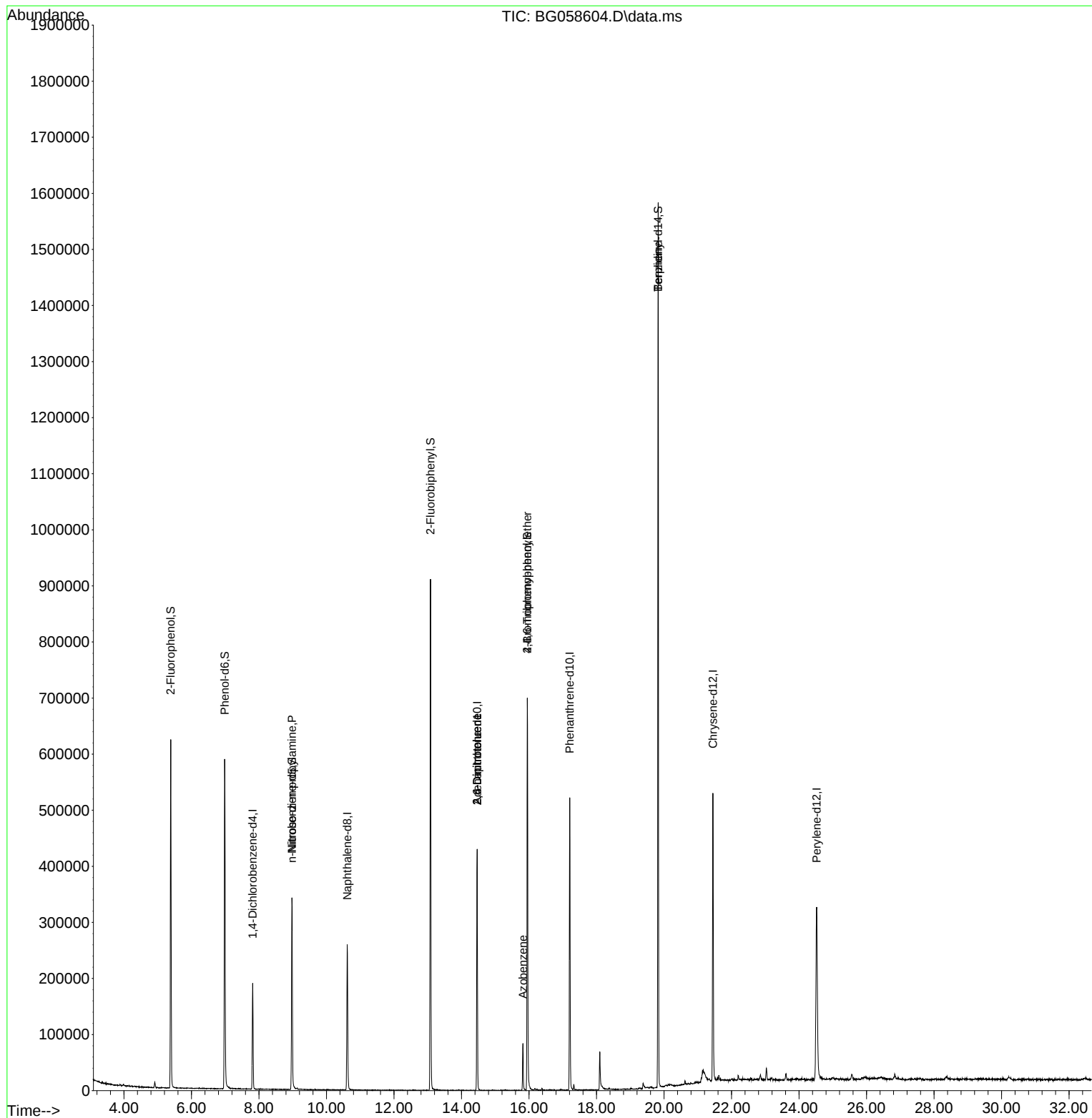
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	53258	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	231685	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	156275	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	343527	20.000	ng	0.00
76) Chrysene-d12	21.448	240	303783	20.000	ng	0.00
86) Perylene-d12	24.521	264	373565	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	264156	75.810	ng	0.00
7) Phenol-d6	6.983	99	367056	75.705	ng	0.00
23) Nitrobenzene-d5	8.974	82	221725	47.013	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	161991	63.242	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	511240	49.025	ng	0.00
79) Terphenyl-d14	19.826	244	822039	50.887	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.980	70	27009	8.624	ng	# 74
51) 2,6-Dinitrotoluene	14.462	165	19159	7.440	ng	# 24
57) 2,4-Dinitrotoluene	14.462	165	19159	5.366	ng	# 25
63) Azobenzene	15.819	77	26222	2.227	ng	# 1
67) 4-Bromophenyl-phenylether	15.949	248	9441	2.423	ng	# 1
77) Benzidine	19.826	184	9827	2.133	ng	# 94

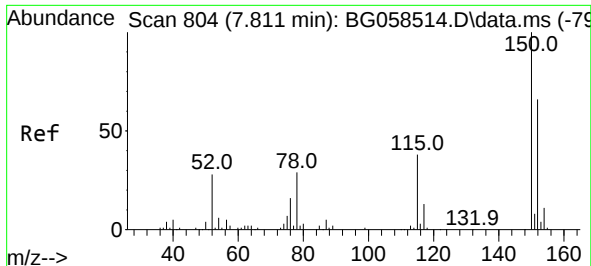
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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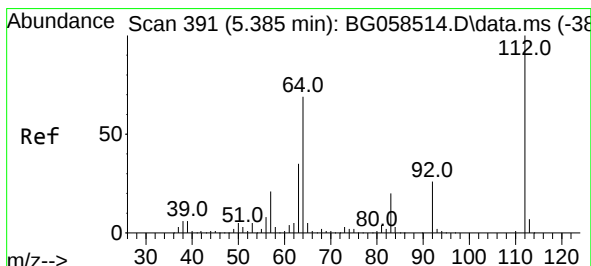
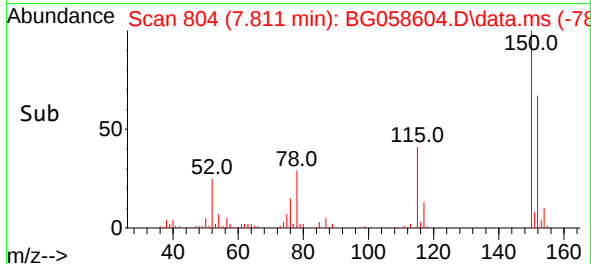
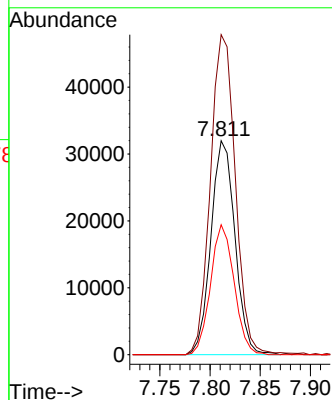
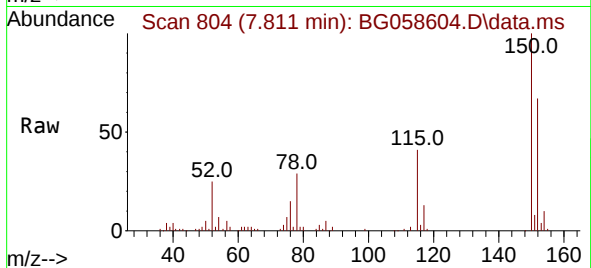




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

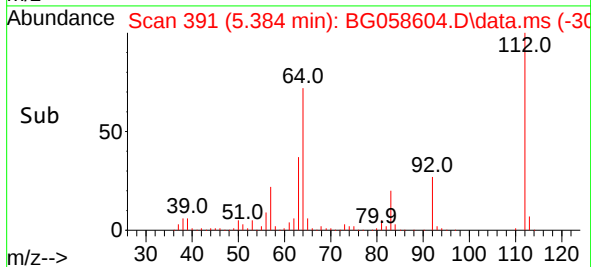
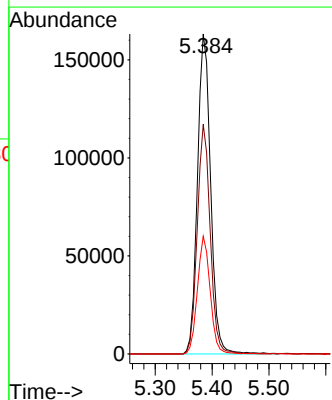
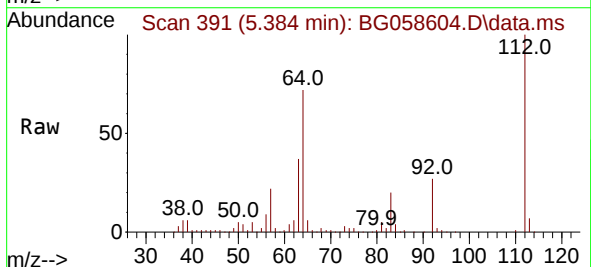
Instrument :
BNA_G
ClientSampleId :
COMP-1

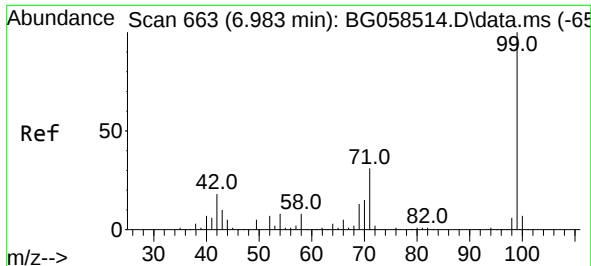
Tgt Ion:152 Resp: 53258
Ion Ratio Lower Upper
152 100
150 149.6 120.5 180.7
115 60.7 45.9 68.9



#5
2-Fluorophenol
Concen: 75.810 ng
RT: 5.384 min Scan# 391
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion:112 Resp: 264156
Ion Ratio Lower Upper
112 100
64 71.7 55.3 82.9
63 36.8 28.3 42.5

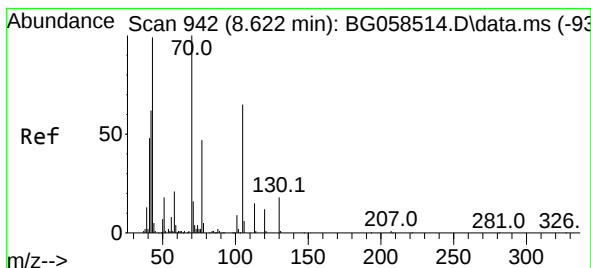
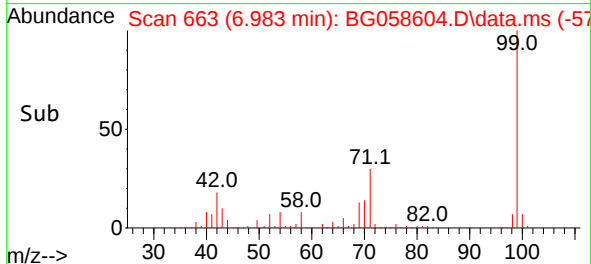
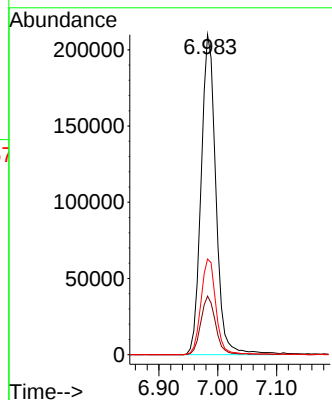
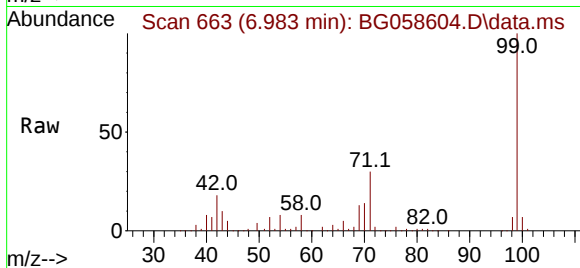




#7
Phenol-d6
Concen: 75.705 ng
RT: 6.983 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

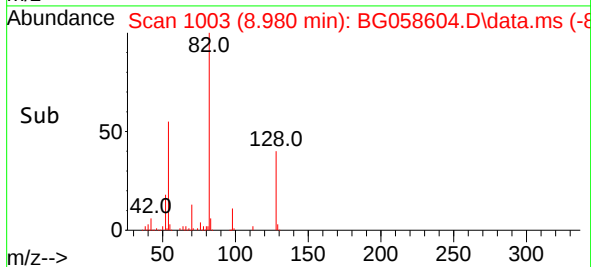
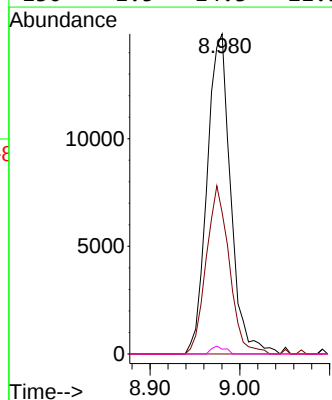
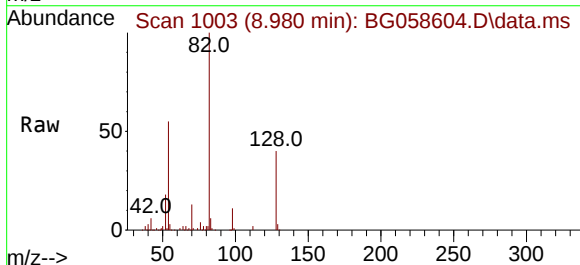
Instrument :
BNA_G
ClientSampleId :
COMP-1

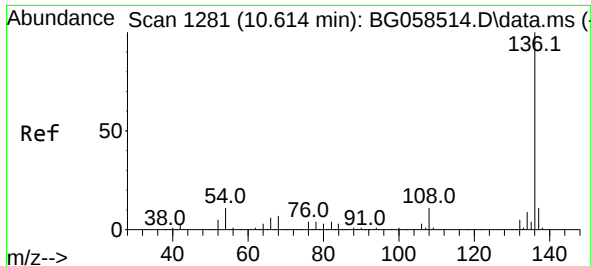
Tgt Ion: 99 Resp: 367056
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 29.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.624 ng
RT: 8.980 min Scan# 1003
Delta R.T. 0.358 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion: 70 Resp: 27009
Ion Ratio Lower Upper
70 100
42 44.2 49.7 74.5#
101 0.0 7.0 10.4#
130 1.5 14.3 21.5#

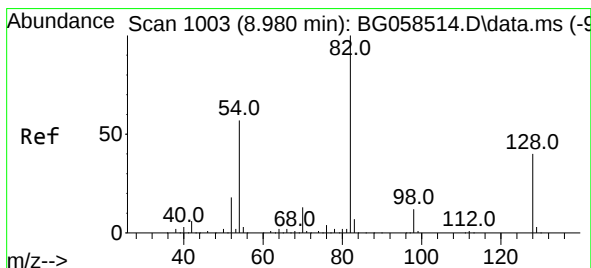
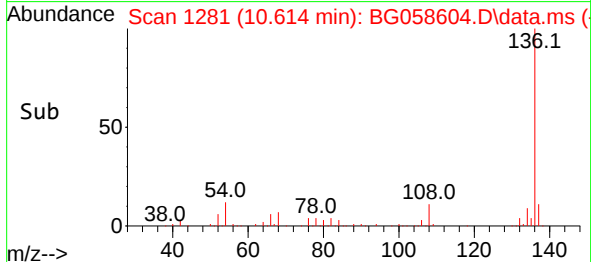
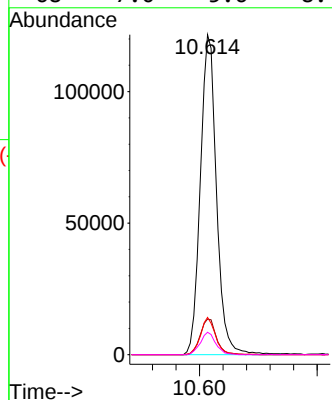
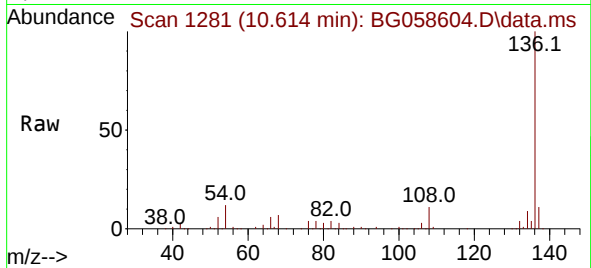




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

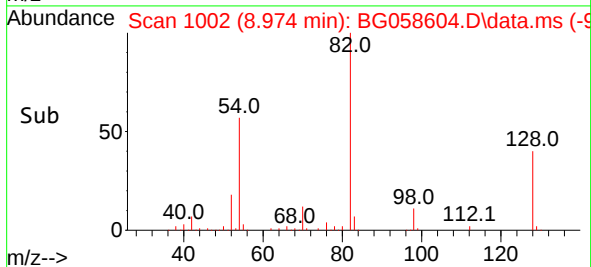
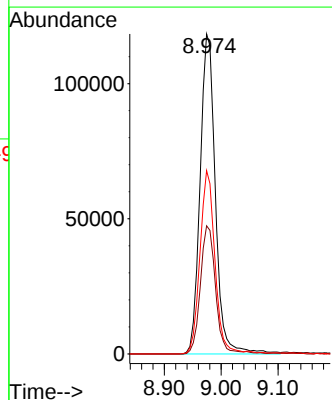
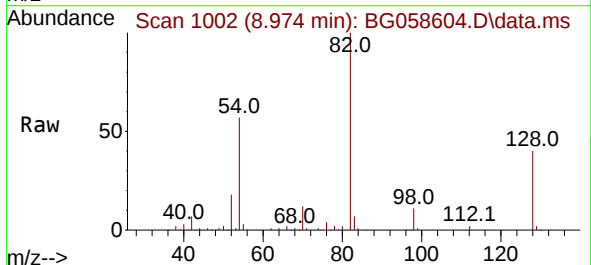
Instrument :
BNA_G
ClientSampleId :
COMP-1

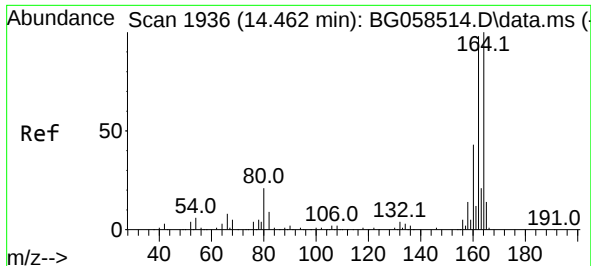
Tgt Ion:	136	Resp:	231685
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	11.7	8.9	13.3
68	7.0	5.6	8.4



#23
Nitrobenzene-d5
Concen: 47.013 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion:	82	Resp:	221725
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.2	48.2
54	57.3	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: BG058604.D

Acq: 4 Aug 2023 10:03

Instrument :

BNA_G

ClientSampleId :

COMP-1

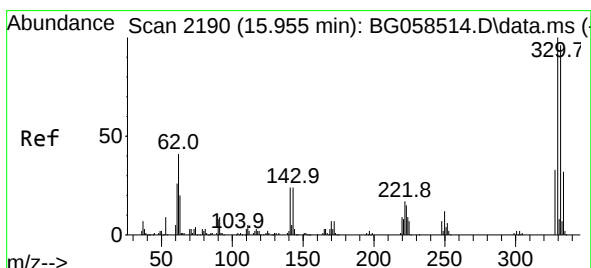
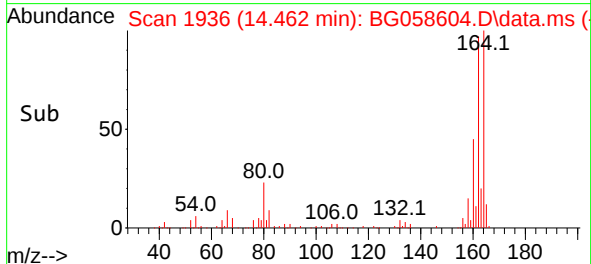
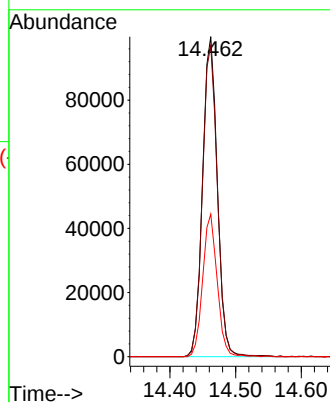
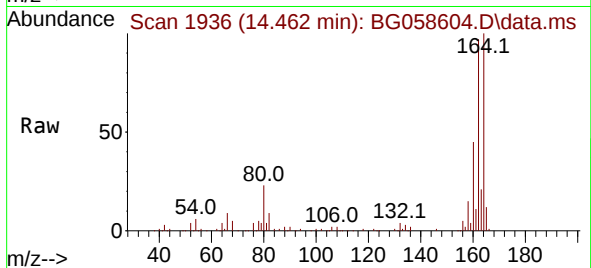
Tgt Ion:164 Resp: 156275

Ion Ratio Lower Upper

164 100

162 97.2 78.3 117.5

160 44.5 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 63.242 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.006 min

Lab File: BG058604.D

Acq: 4 Aug 2023 10:03

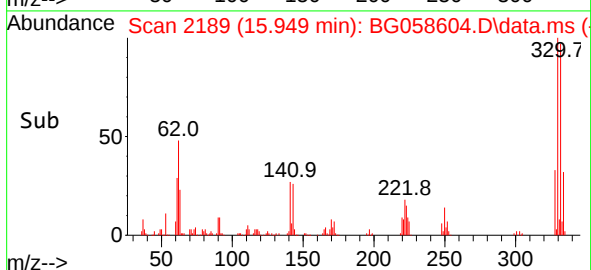
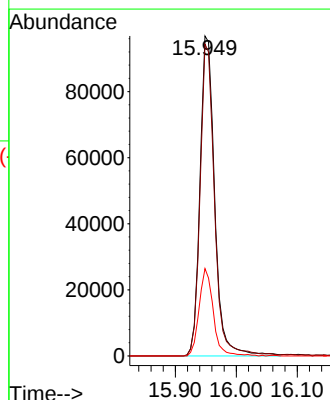
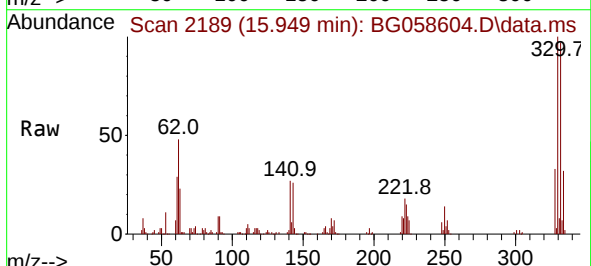
Tgt Ion:330 Resp: 161991

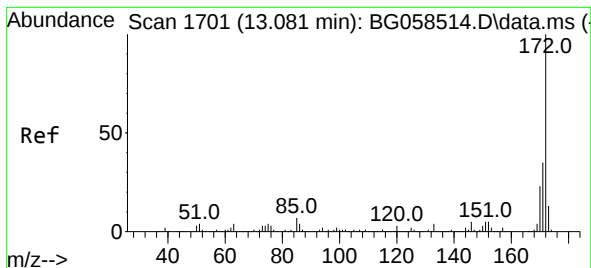
Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

141 26.3 20.7 31.1

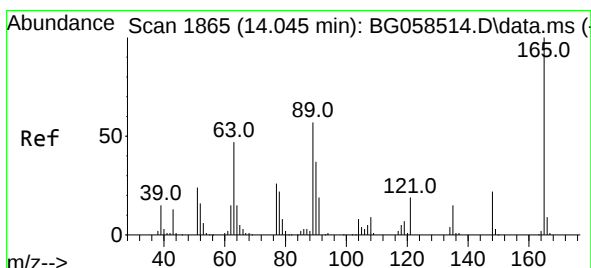
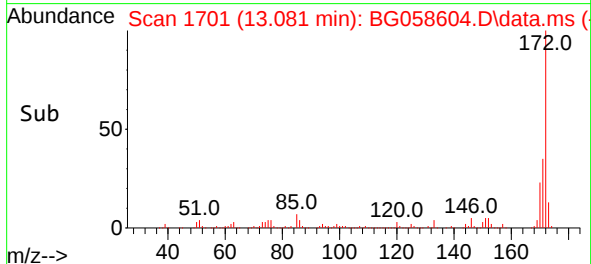
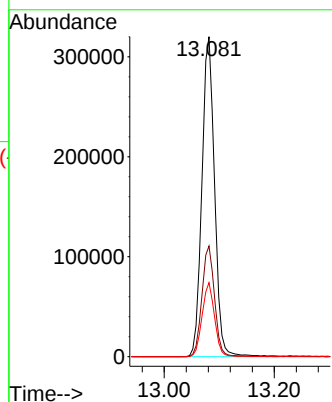
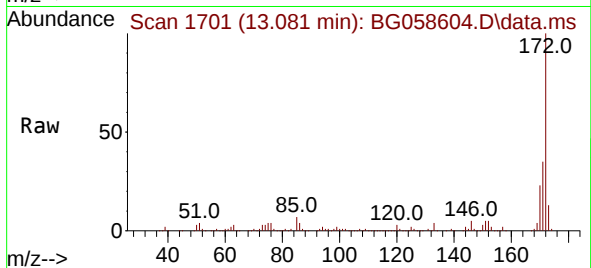




#45
2-Fluorobiphenyl
Concen: 49.025 ng
RT: 13.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

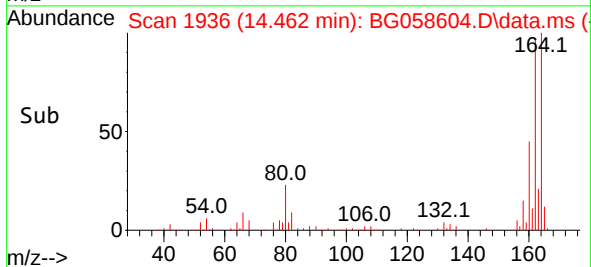
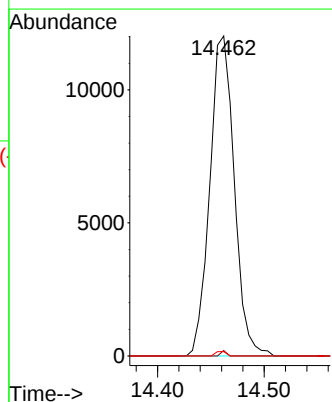
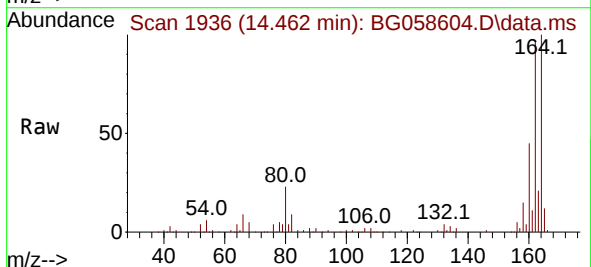
Instrument :
BNA_G
ClientSampleId :
COMP-1

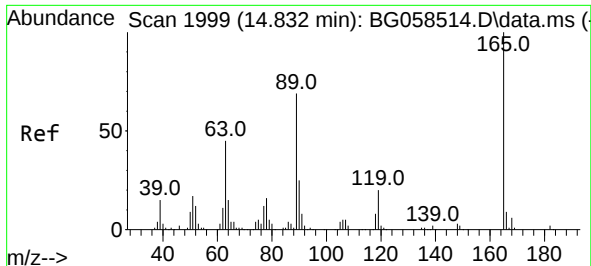
Tgt Ion:172 Resp: 511240
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.1 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.440 ng
RT: 14.462 min Scan# 1936
Delta R.T. 0.417 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion:165 Resp: 19159
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 1.4 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.366 ng

RT: 14.462 min Scan# 1999

Delta R.T. -0.370 min

Lab File: BG058604.D

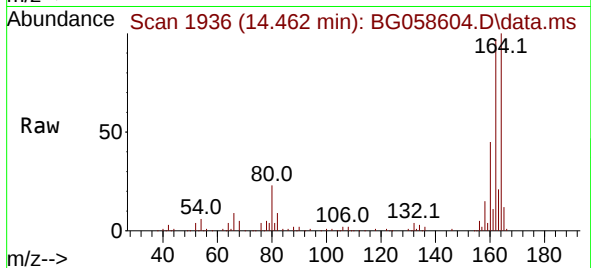
Acq: 4 Aug 2023 10:03

Instrument :

BNA_G

ClientSampleId :

COMP-1



Tgt Ion:165 Resp: 19159

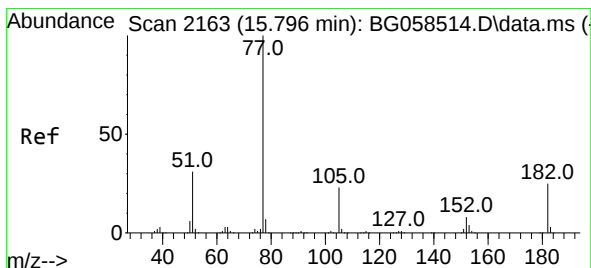
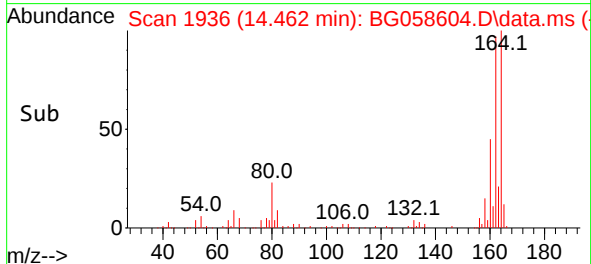
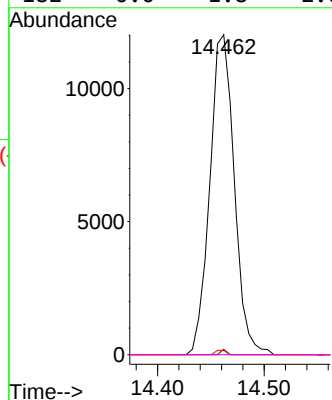
Ion Ratio Lower Upper

165 100

63 1.7 36.6 54.8#

89 1.4 55.4 83.0#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.227 ng

RT: 15.819 min Scan# 2167

Delta R.T. 0.023 min

Lab File: BG058604.D

Acq: 4 Aug 2023 10:03

Tgt Ion: 77 Resp: 26222

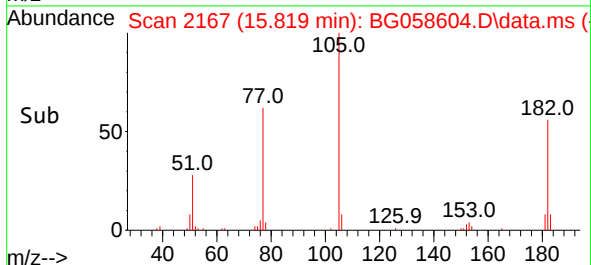
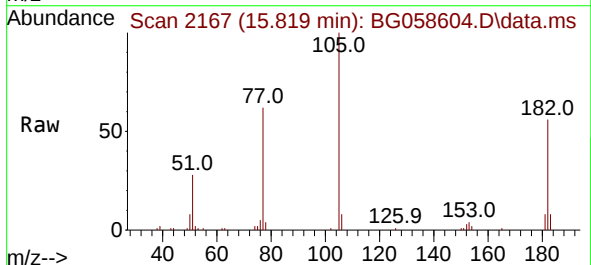
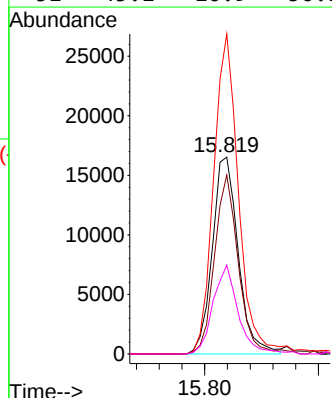
Ion Ratio Lower Upper

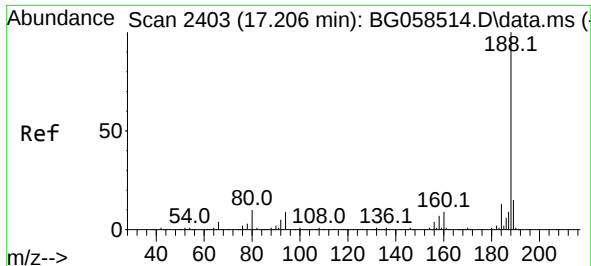
77 100

182 90.9 4.6 44.6#

105 162.6 3.3 43.3#

51 45.1 10.9 50.9

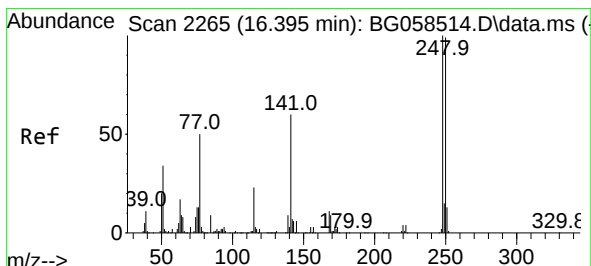
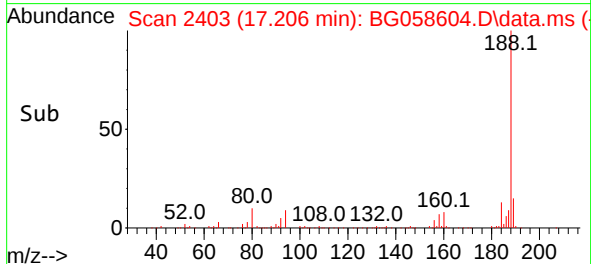
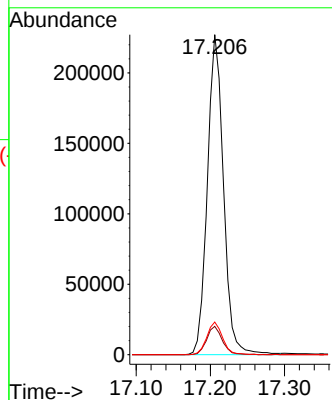
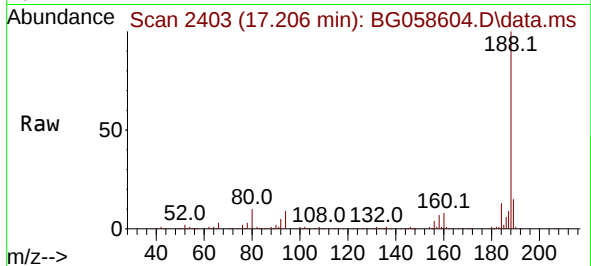




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

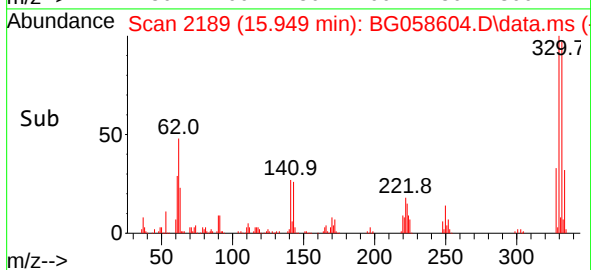
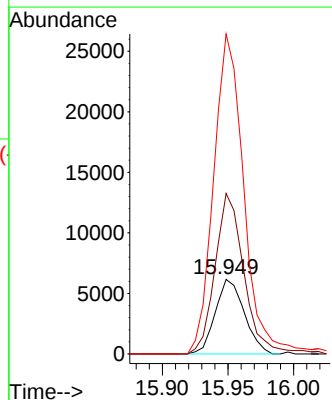
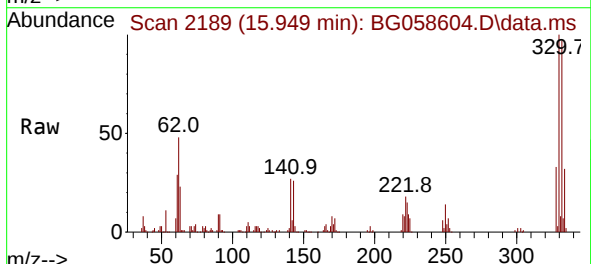
Instrument :
BNA_G
ClientSampleId :
COMP-1

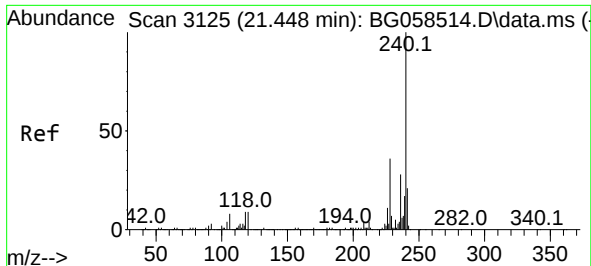
Tgt Ion:188 Resp: 343527
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 10.2 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 2.423 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.447 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion:248 Resp: 9441
Ion Ratio Lower Upper
248 100
250 215.0 79.5 119.3#
141 428.9 48.2 72.2#

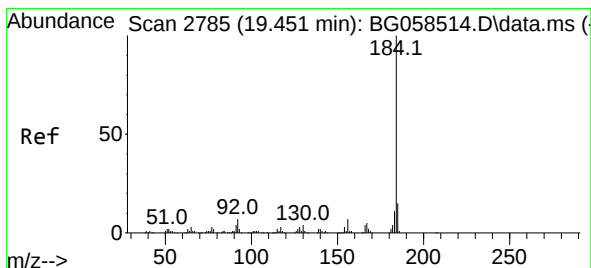
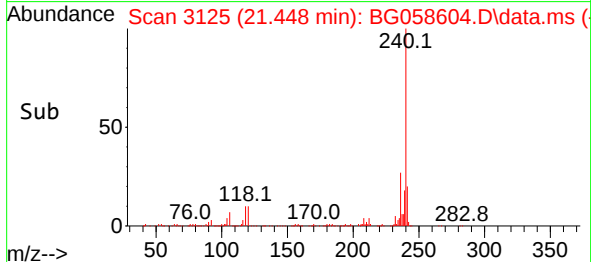
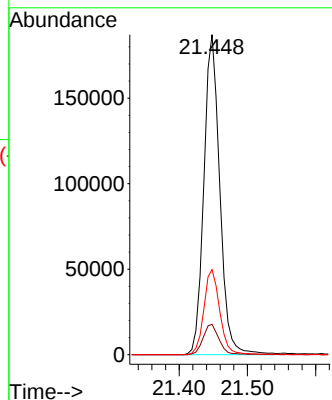
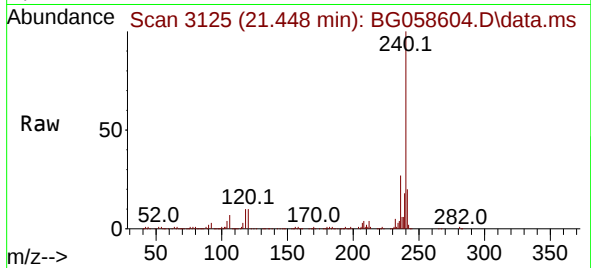




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

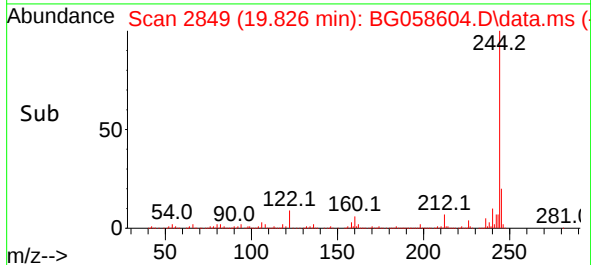
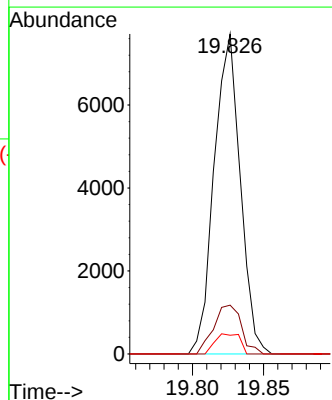
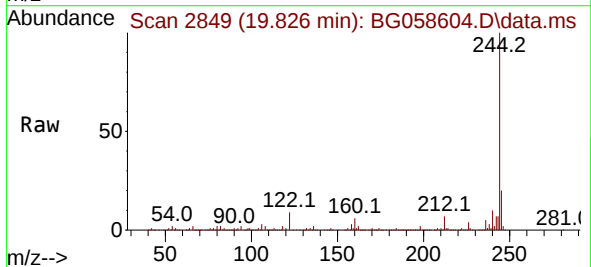
Instrument :
BNA_G
ClientSampleId :
COMP-1

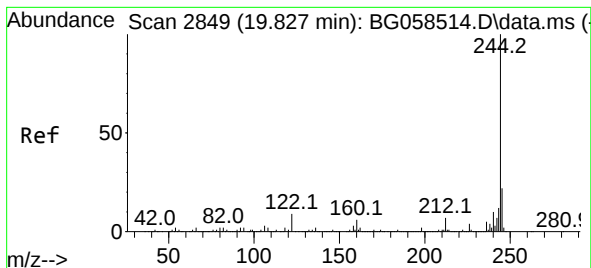
Tgt Ion:240 Resp: 303783
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.6 22.2 33.4



#77
Benzidine
Concen: 2.133 ng
RT: 19.826 min Scan# 2849
Delta R.T. 0.376 min
Lab File: BG058604.D
Acq: 4 Aug 2023 10:03

Tgt Ion:184 Resp: 9827
Ion Ratio Lower Upper
184 100
185 15.2 11.9 17.9
183 5.8 8.7 13.1#





#79

Terphenyl-d14

Concen: 50.887 ng

RT: 19.826 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058604.D

Acq: 4 Aug 2023 10:03

Instrument :

BNA_G

ClientSampleId :

COMP-1

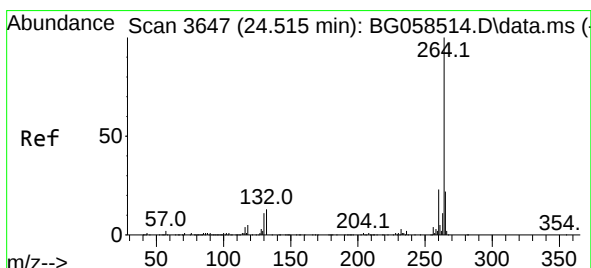
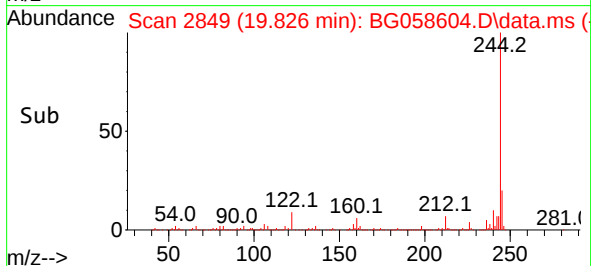
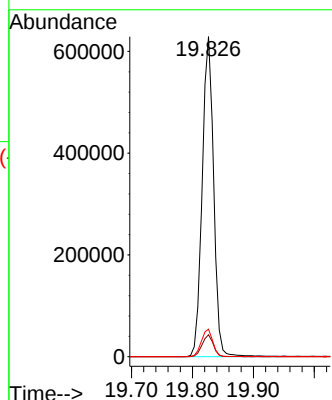
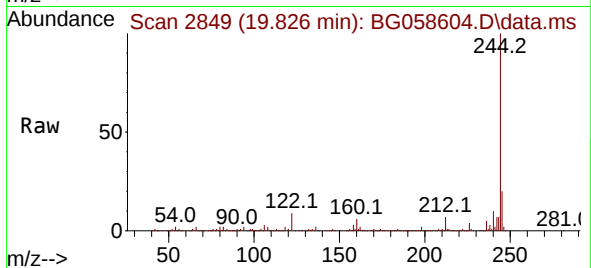
Tgt Ion:244 Resp: 822039

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 8.6 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.521 min Scan# 3648

Delta R.T. 0.006 min

Lab File: BG058604.D

Acq: 4 Aug 2023 10:03

Tgt Ion:264 Resp: 373565

Ion Ratio Lower Upper

264 100

260 22.0 18.4 27.6

265 21.8 17.9 26.9

