

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062622\
 Data File : BG054080.D
 Acq On : 26 Jun 2022 19:53
 Operator : CG/JU
 Sample : N3455-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-2-3

Quant Time: Jun 27 00:32:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

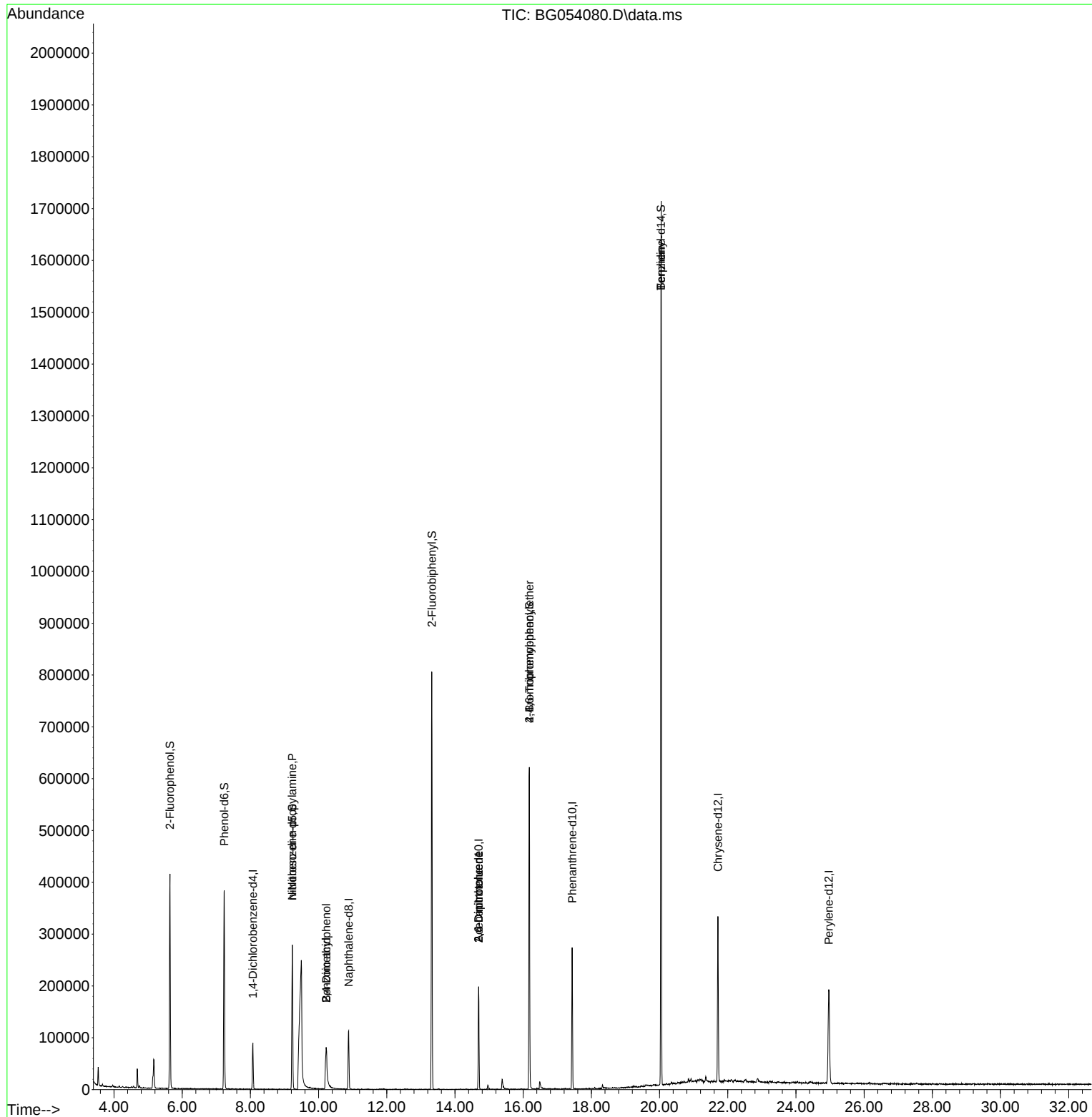
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	27821	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	106027	20.000	ng	0.00
39) Acenaphthene-d10	14.695	164	76305	20.000	ng	0.00
64) Phenanthrene-d10	17.438	188	188189	20.000	ng	0.00
76) Chrysene-d12	21.710	240	212565	20.000	ng	0.00
86) Perylene-d12	24.965	264	213666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.641	112	190609	130.990	ng	0.00
7) Phenol-d6	7.233	99	232586	117.824	ng	0.00
23) Nitrobenzene-d5	9.230	82	177211	93.925	ng	0.00
42) 2,4,6-Tribromophenol	16.181	330	140991	115.003	ng	0.00
45) 2-Fluorobiphenyl	13.320	172	451563	86.054	ng	0.00
79) Terphenyl-d14	20.047	244	929602	88.081	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.230	70	23806	17.951	ng	# 79
27) 2,4-Dimethylphenol	10.223	122	57700	43.441	ng	# 1
32) Benzoic acid	10.223	122	57700	87.554	ng	# 86
51) 2,6-Dinitrotoluene	14.695	165	10608	9.035	ng	# 16
57) 2,4-Dinitrotoluene	14.695	165	10608	6.397	ng	# 21
67) 4-Bromophenyl-phenylether	16.181	248	8936	3.802	ng	# 1
77) Benzidine	20.047	184	13688	3.110	ng	# 94

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

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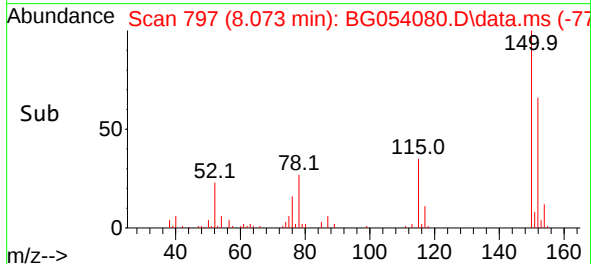
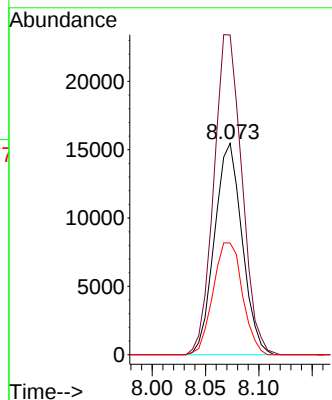
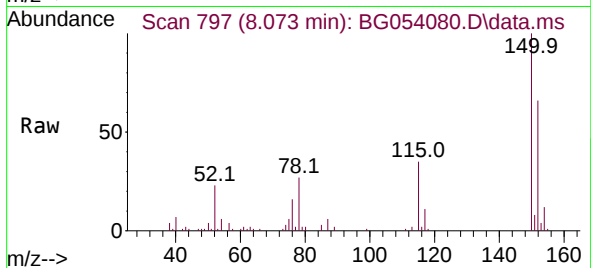




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.073 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

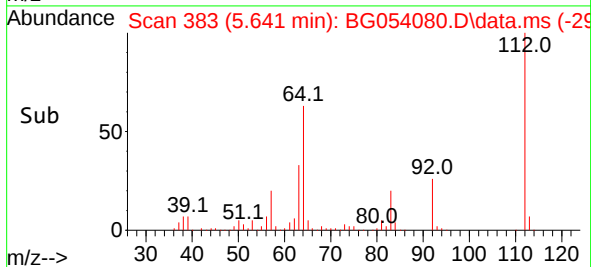
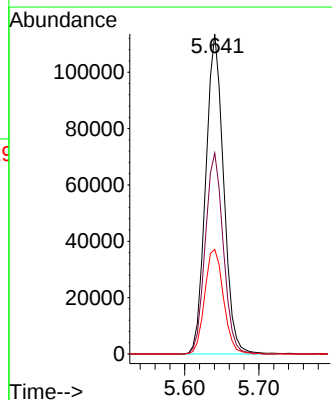
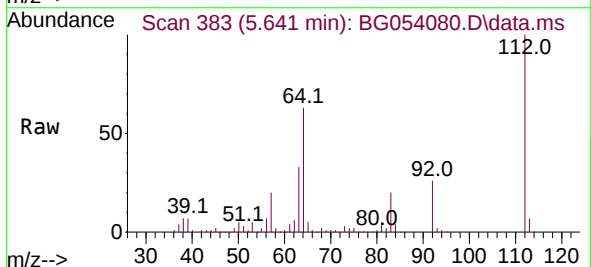
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

Tgt Ion:152 Resp: 27821
Ion Ratio Lower Upper
152 100
150 151.3 131.6 197.4
115 52.9 50.9 76.3



#5
2-Fluorophenol
Concen: 130.990 ng
RT: 5.641 min Scan# 383
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion:112 Resp: 190609
Ion Ratio Lower Upper
112 100
64 62.8 55.1 82.7
63 32.7 30.4 45.6

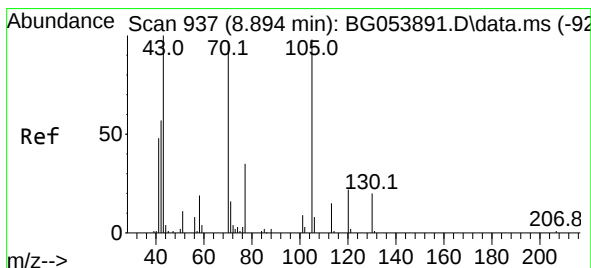
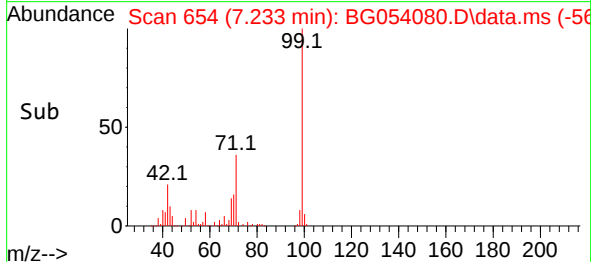
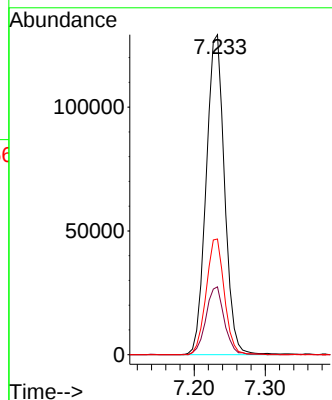
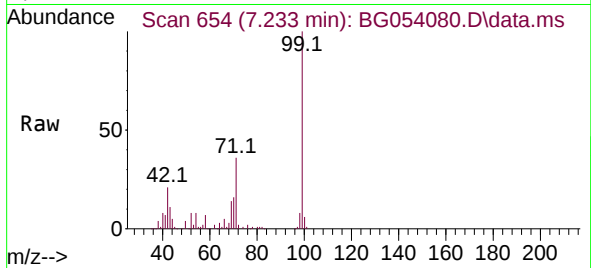




#7
Phenol-d6
Concen: 117.824 ng
RT: 7.233 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

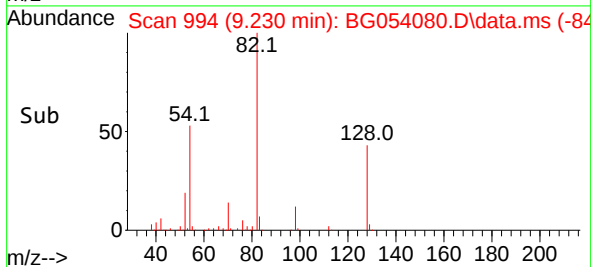
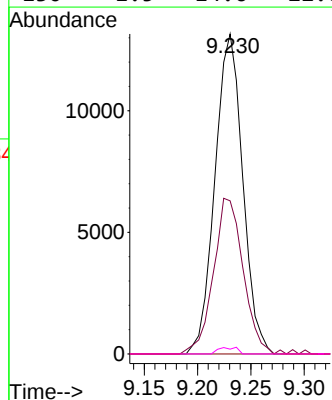
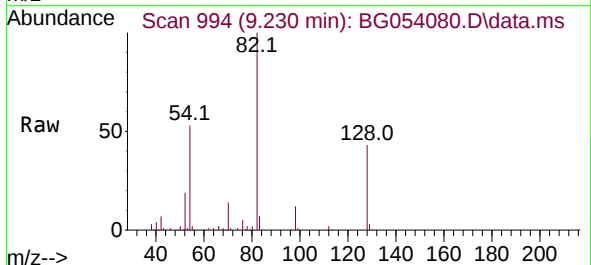
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

Tgt Ion: 99 Resp: 232586
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 36.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.951 ng
RT: 9.230 min Scan# 994
Delta R.T. 0.355 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion: 70 Resp: 23806
Ion Ratio Lower Upper
70 100
42 47.8 47.3 70.9
101 0.0 7.0 10.4#
130 1.5 14.6 22.0#

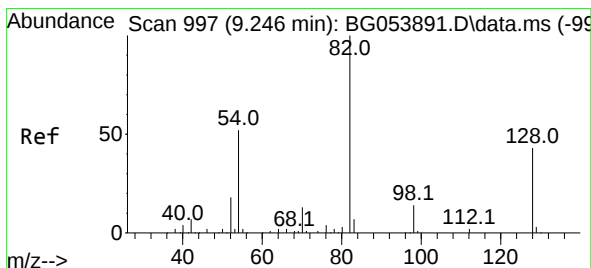
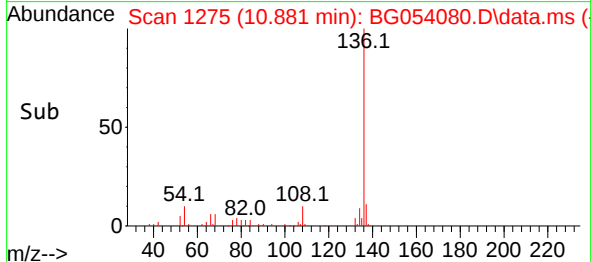
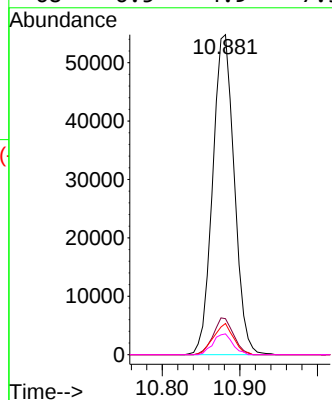
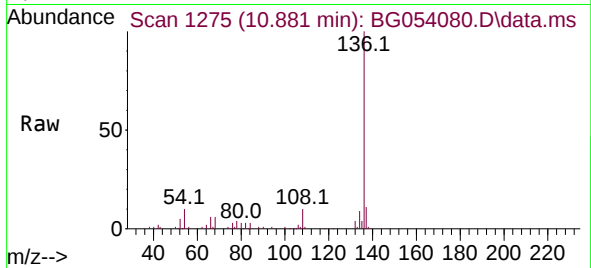




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

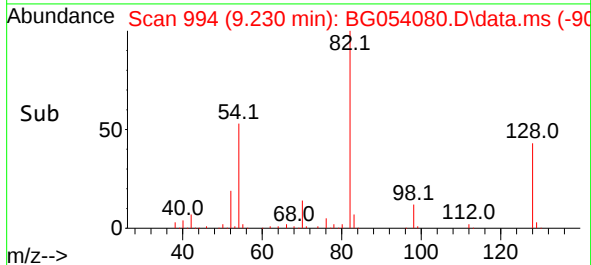
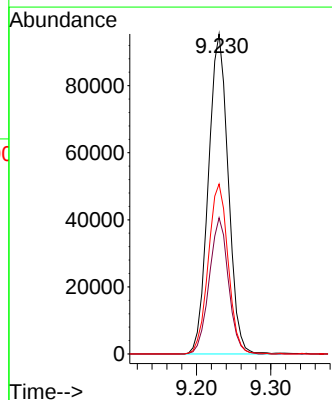
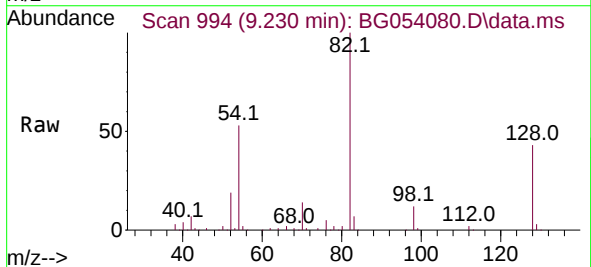
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

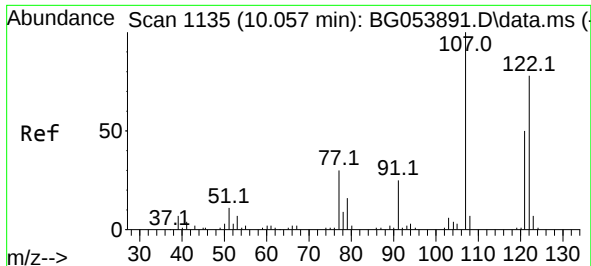
Tgt Ion:	136	Resp:	106027
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	9.7	7.4	11.2
68	6.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 93.925 ng
RT: 9.230 min Scan# 994
Delta R.T. -0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion:	82	Resp:	177211
Ion	Ratio	Lower	Upper
82	100		
128	42.6	27.9	41.9#
54	53.1	41.2	61.8





#27

2,4-Dimethylphenol

Concen: 43.441 ng

RT: 10.223 min Scan# 1163

Delta R.T. 0.179 min

Lab File: BG054080.D

Acq: 26 Jun 2022 19:53

Instrument :

BNA_G

ClientSampleId :

SP-EXC-2-3

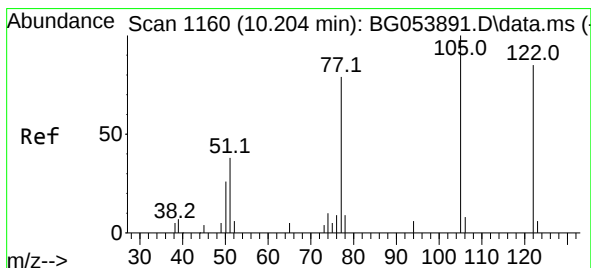
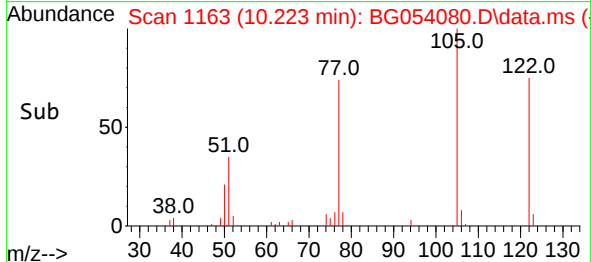
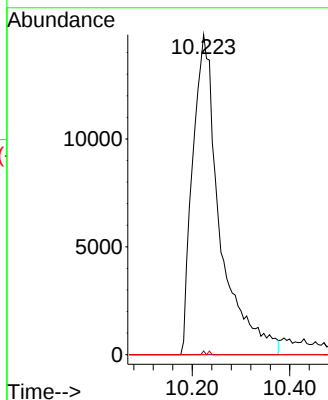
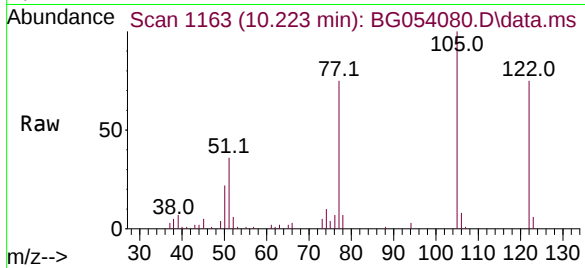
Tgt Ion:122 Resp: 57700

Ion Ratio Lower Upper

122 100

107 1.2 109.4 164.0#

121 0.0 48.7 73.1#



#32

Benzoic acid

Concen: 87.554 ng

RT: 10.223 min Scan# 1163

Delta R.T. 0.026 min

Lab File: BG054080.D

Acq: 26 Jun 2022 19:53

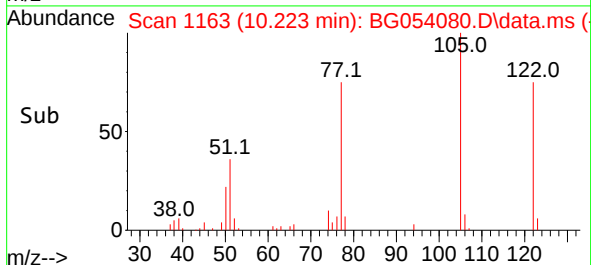
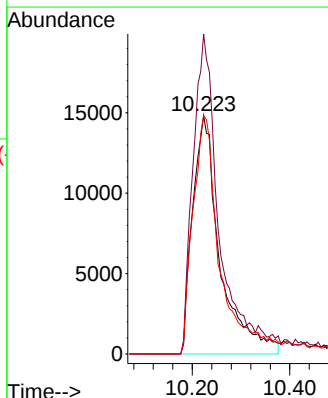
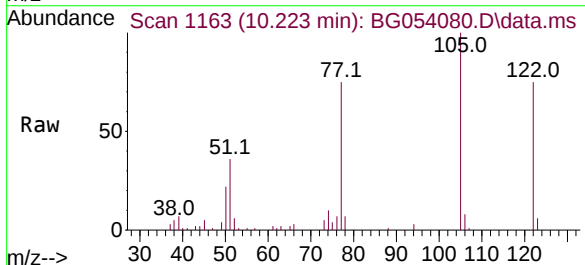
Tgt Ion:122 Resp: 57700

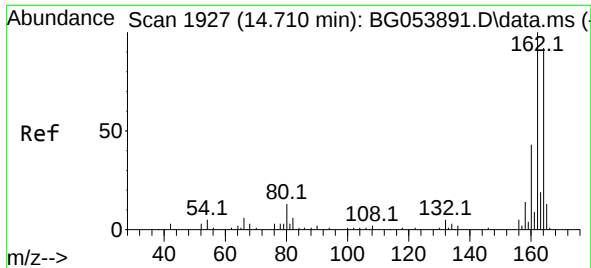
Ion Ratio Lower Upper

122 100

105 134.2 111.8 151.8

77 100.0 109.4 149.4#

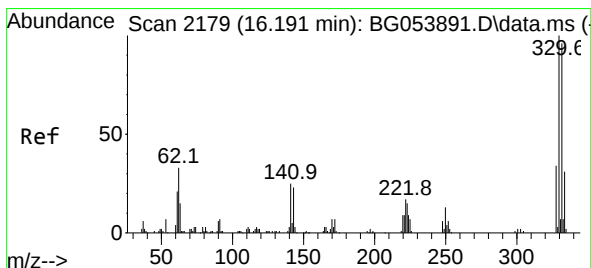
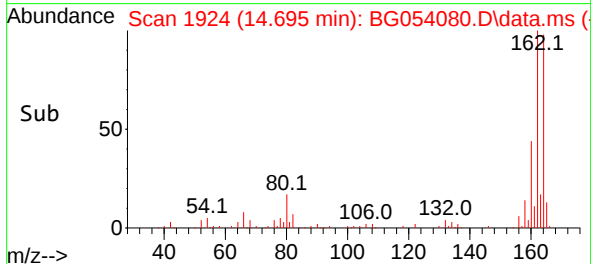
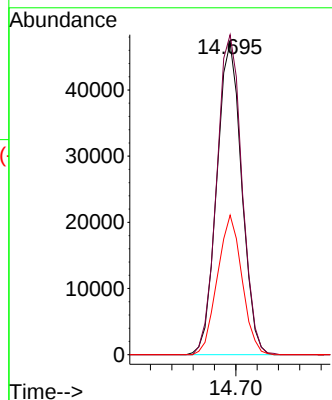
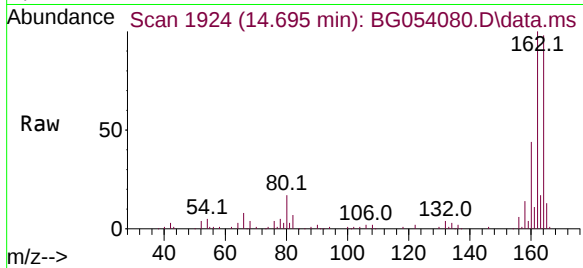




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.695 min Scan# 1924
Delta R.T. -0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

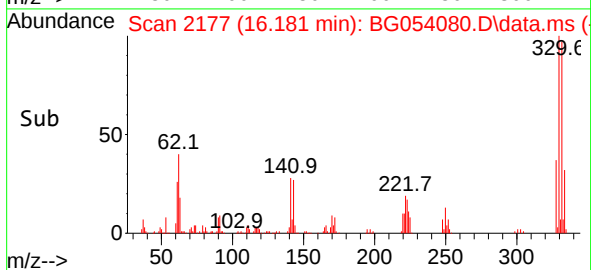
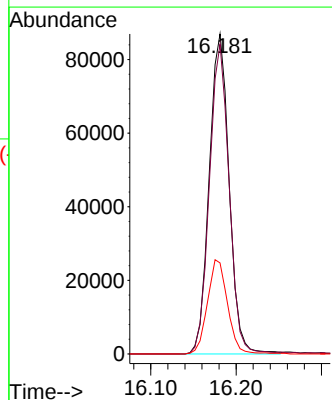
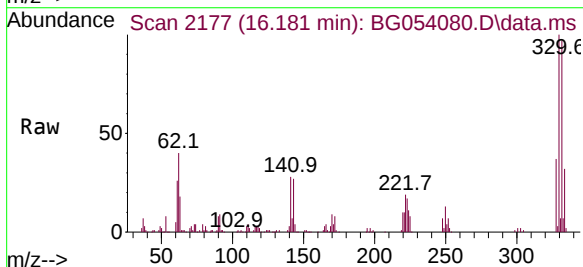
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

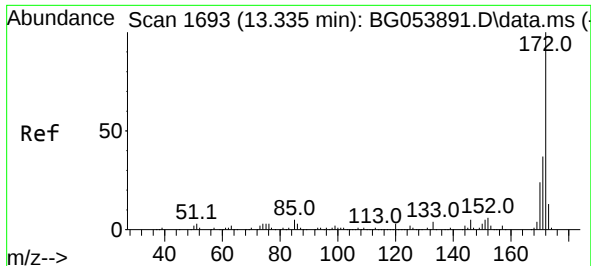
Tgt Ion:164 Resp: 76305
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 44.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 115.003 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion:330 Resp: 140991
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 29.8 27.1 40.7

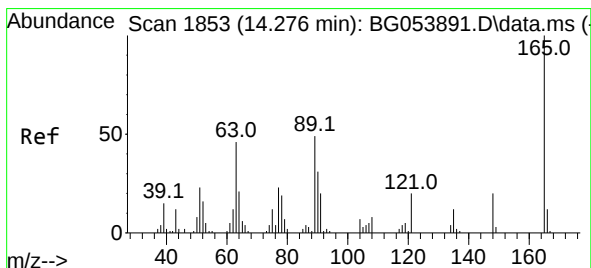
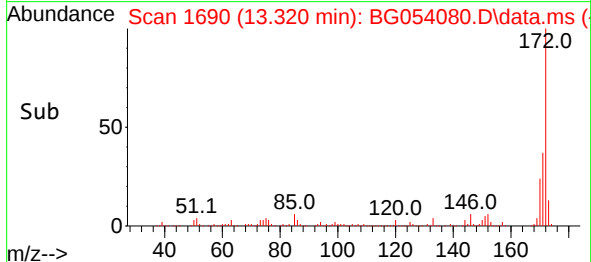
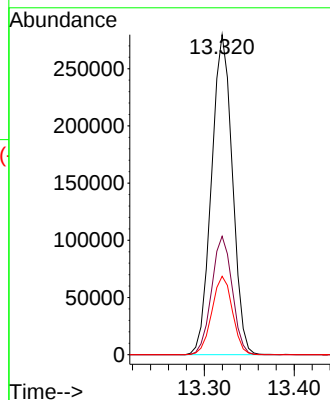
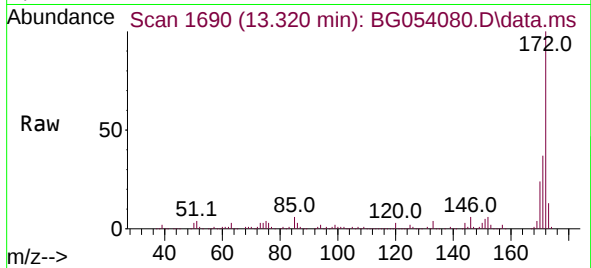




#45
2-Fluorobiphenyl
Concen: 86.054 ng
RT: 13.320 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

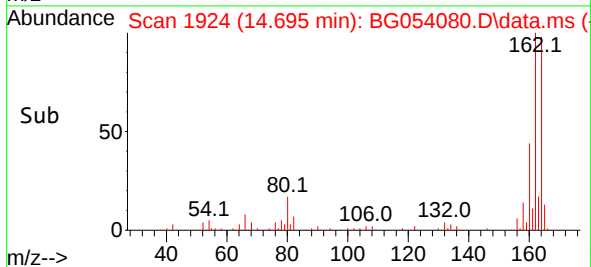
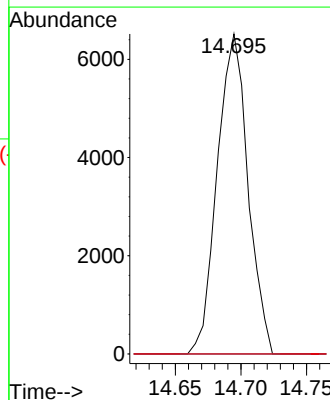
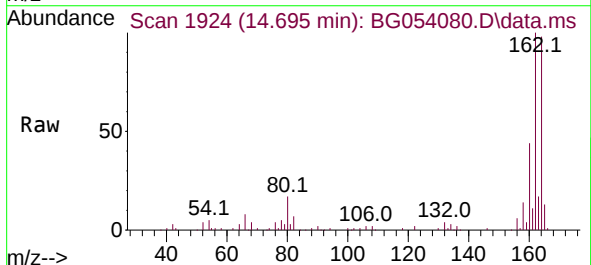
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

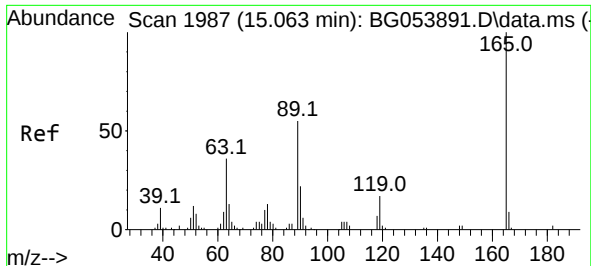
Tgt Ion:172 Resp: 451563
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.035 ng
RT: 14.695 min Scan# 1924
Delta R.T. 0.431 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion:165 Resp: 10608
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.397 ng

RT: 14.695 min Scan# 1987

Delta R.T. -0.356 min

Lab File: BG054080.D

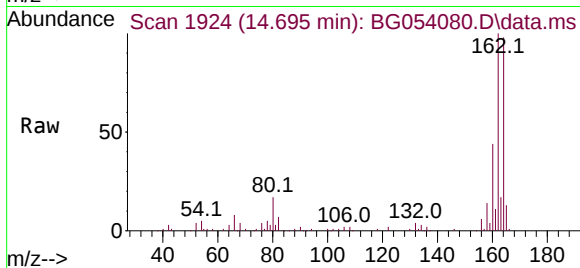
Acq: 26 Jun 2022 19:53

Instrument :

BNA_G

ClientSampleId :

SP-EXC-2-3



Tgt Ion:165 Resp: 10608

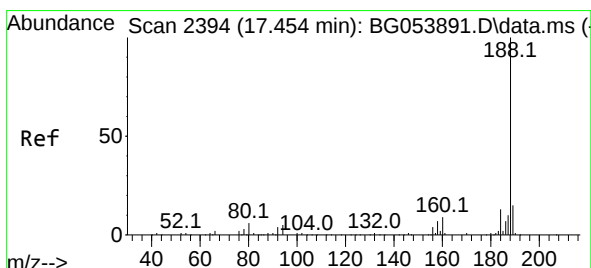
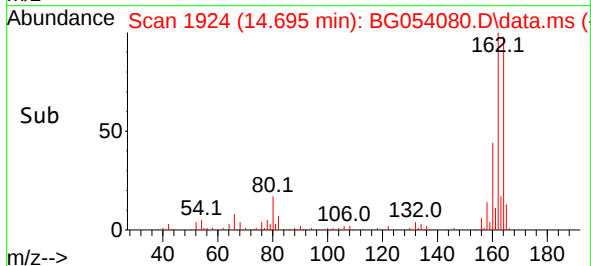
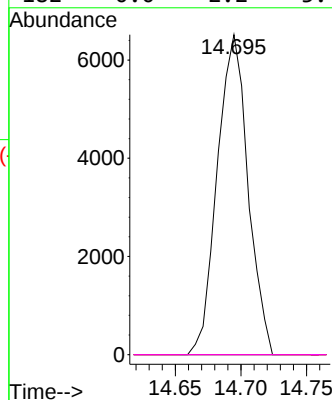
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.438 min Scan# 2391

Delta R.T. -0.003 min

Lab File: BG054080.D

Acq: 26 Jun 2022 19:53

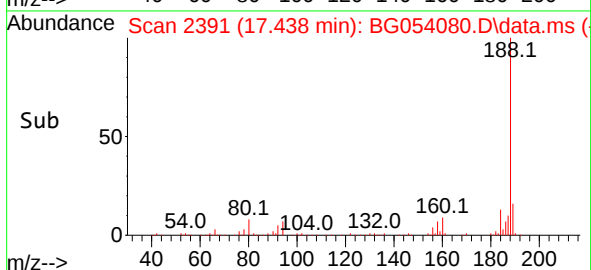
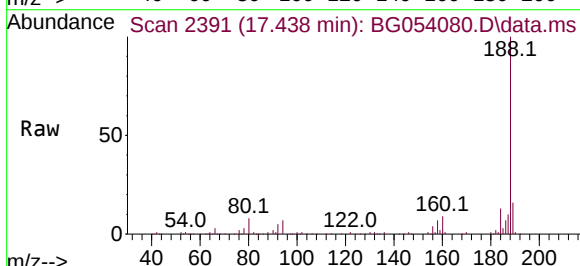
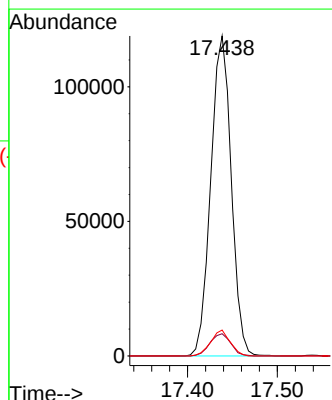
Tgt Ion:188 Resp: 188189

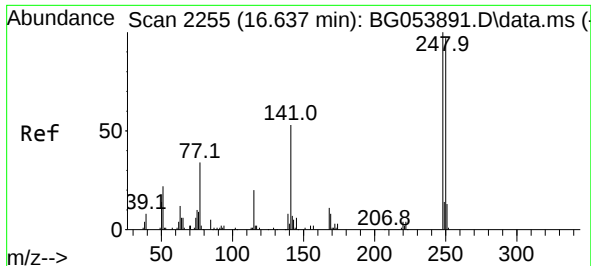
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

80 8.1 6.8 10.2

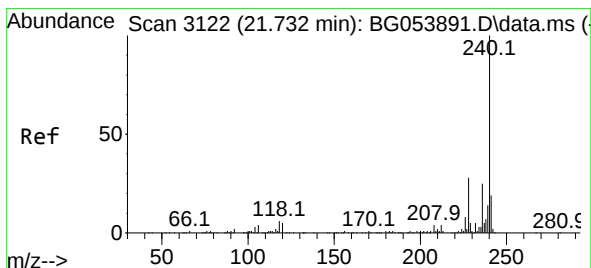
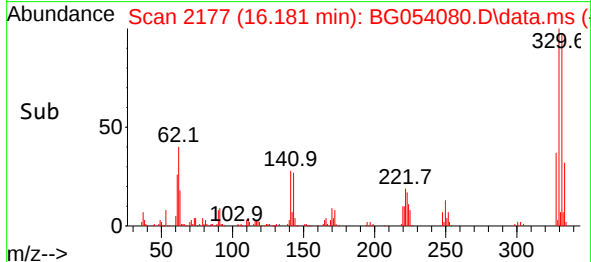
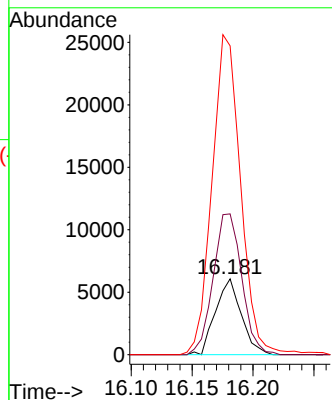
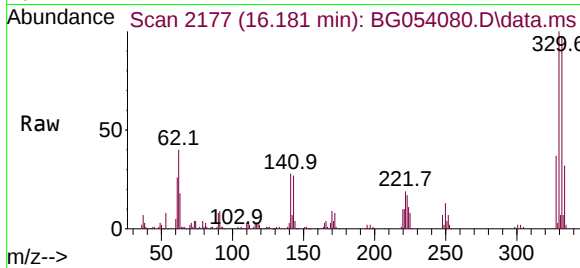




#67
4-Bromophenyl-phenylether
Concen: 3.802 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.444 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

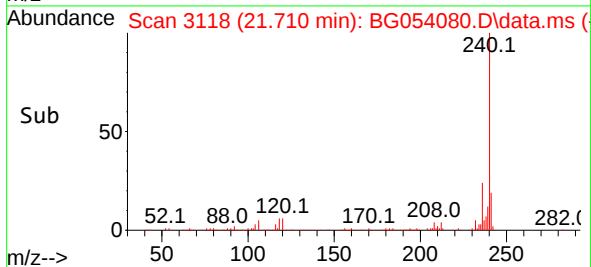
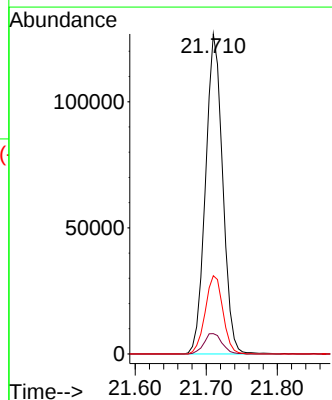
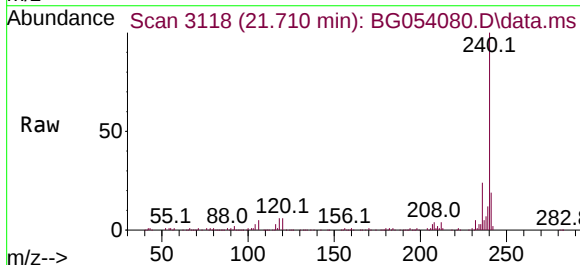
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

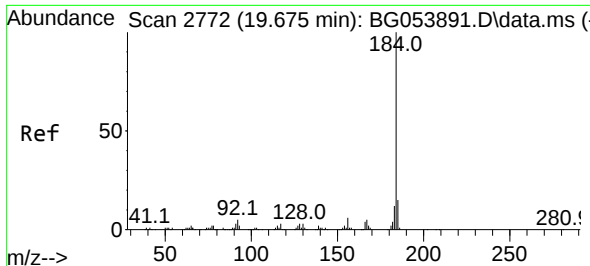
Tgt Ion:248 Resp: 8936
Ion Ratio Lower Upper
248 100
250 189.6 75.2 112.8#
141 316.8 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3118
Delta R.T. -0.009 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Tgt Ion:240 Resp: 212565
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 24.4 20.2 30.4

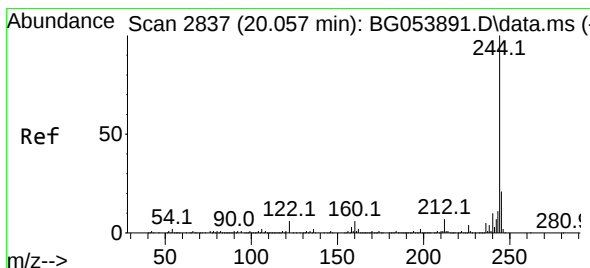
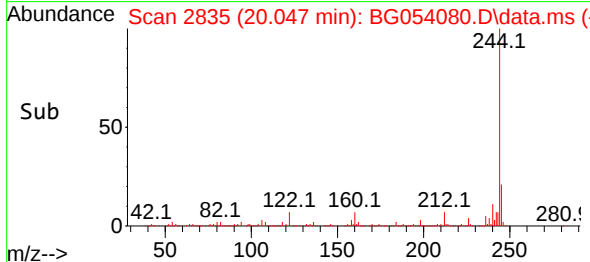
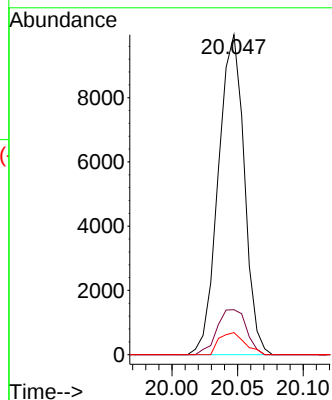
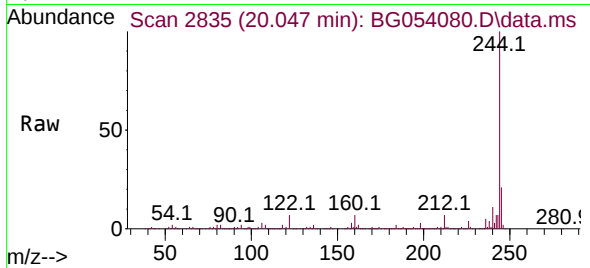




#77
Benzidine
Concen: 3.110 ng
RT: 20.047 min Scan# 21
Delta R.T. 0.384 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

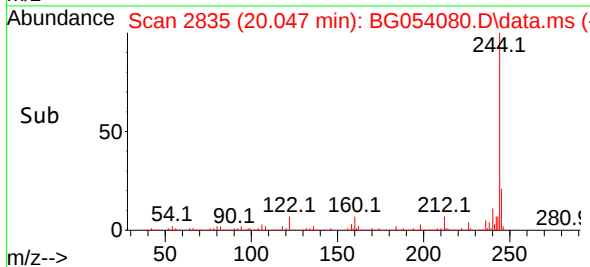
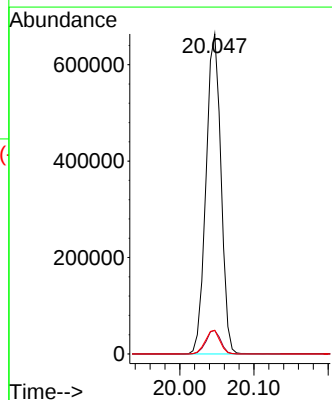
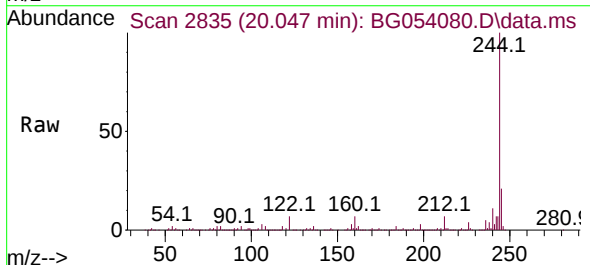
Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3

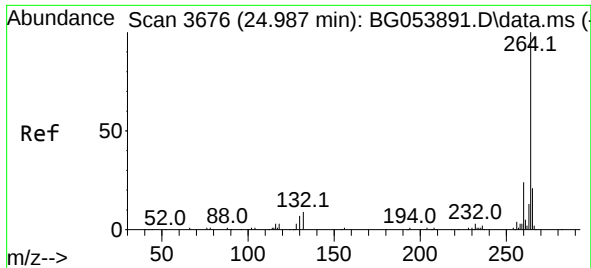
Tgt Ion:184 Resp: 13688
Ion Ratio Lower Upper
184 100
185 14.1 11.8 17.6
183 6.9 8.9 13.3#



#79
Terphenyl-d14
Concen: 88.081 ng
RT: 20.047 min Scan# 2835
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

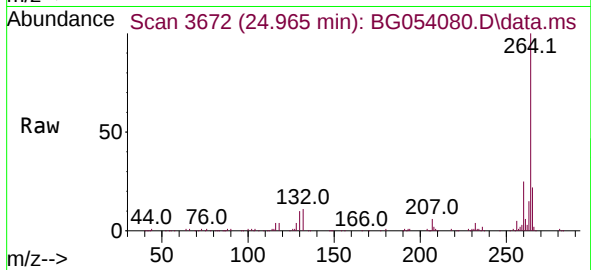
Tgt Ion:244 Resp: 929602
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 7.4 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.965 min Scan# 30
Delta R.T. 0.003 min
Lab File: BG054080.D
Acq: 26 Jun 2022 19:53

Instrument :
BNA_G
ClientSampleId :
SP-EXC-2-3



Tgt Ion:264 Resp: 213666
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 22.1 17.4 26.2

