

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054103.D
 Acq On : 27 Jun 2022 22:24
 Operator : CG/JU
 Sample : N3494-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-3

Quant Time: Jun 28 04:59:09 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)

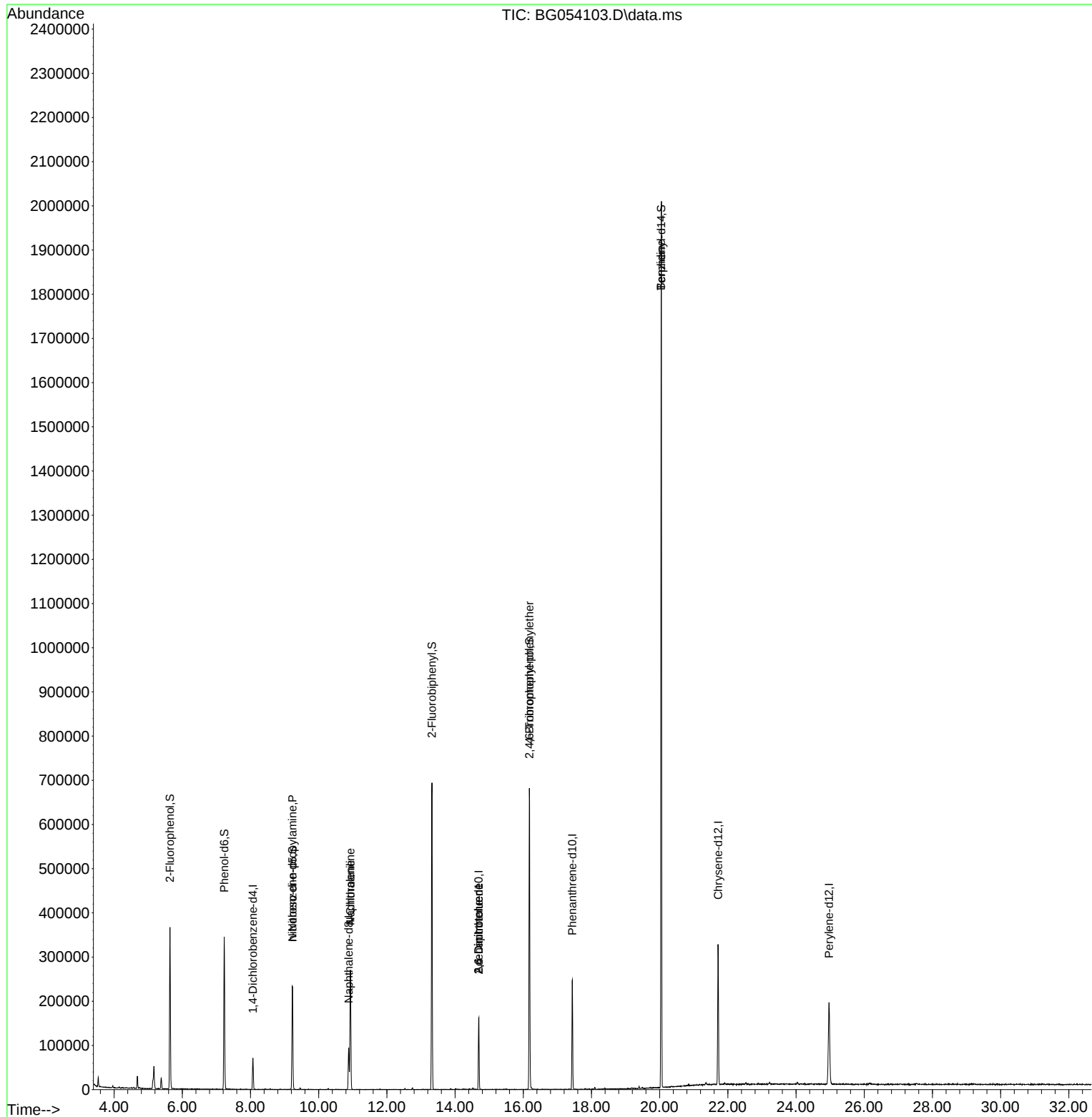
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	21733	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	85810	20.000	ng	0.00
39) Acenaphthene-d10	14.692	164	62518	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	175660	20.000	ng	0.00
76) Chrysene-d12	21.713	240	216287	20.000	ng	0.00
86) Perylene-d12	24.968	264	214370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	169829	149.403	ng	0.00
7) Phenol-d6	7.230	99	209477	135.844	ng	0.00
23) Nitrobenzene-d5	9.234	82	156795	102.684	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	159990	159.279	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	405188	94.244	ng	0.00
79) Terphenyl-d14	20.050	244	1135812	105.768	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.234	70	20948	20.220	ng	Qvalue # 73
31) Naphthalene	10.932	128	247047	57.030	ng	99
33) 4-Chloroaniline	10.932	127	33688	18.745	ng	# 35
51) 2,6-Dinitrotoluene	14.692	165	8221	8.546	ng	# 16
57) 2,4-Dinitrotoluene	14.692	165	8221	6.051	ng	# 21
67) 4-Bromophenyl-phenylether	16.178	248	10045	4.579	ng	# 1
77) Benzidine	20.044	184	16100	3.594	ng	# 92

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

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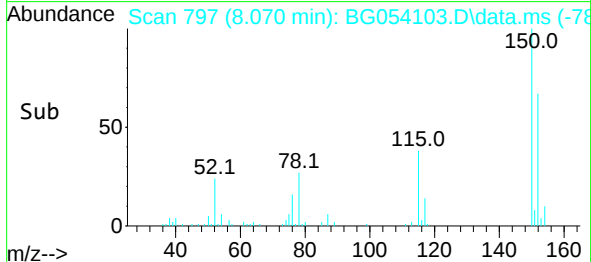
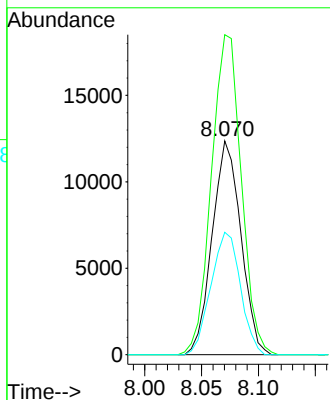
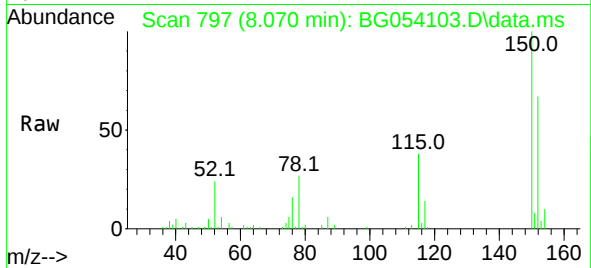




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

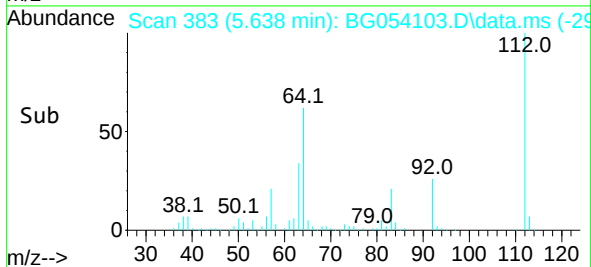
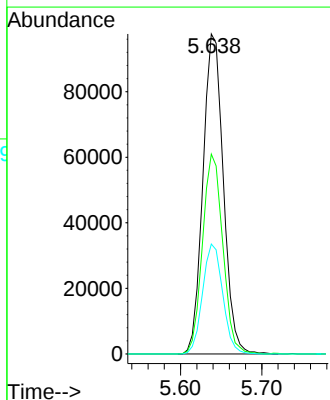
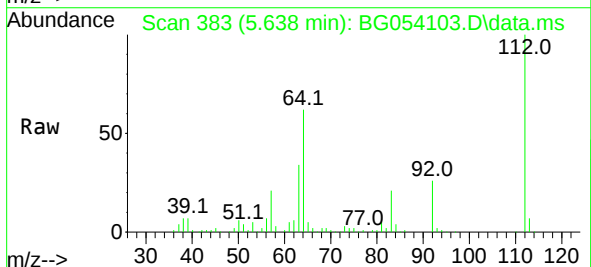
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

Tgt Ion:152 Resp: 21733
Ion Ratio Lower Upper
152 100
150 149.7 131.6 197.4
115 57.2 50.9 76.3



#5
2-Fluorophenol
Concen: 149.403 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

Tgt Ion:112 Resp: 169829
Ion Ratio Lower Upper
112 100
64 62.4 55.1 82.7
63 34.4 30.4 45.6

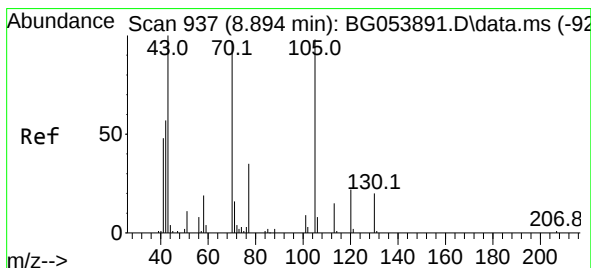
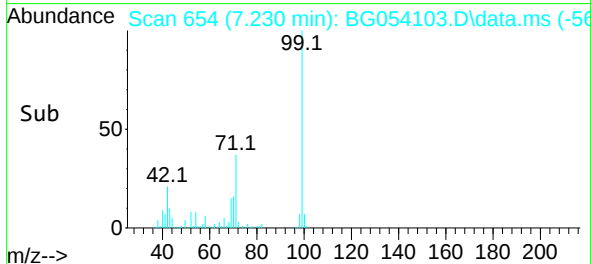
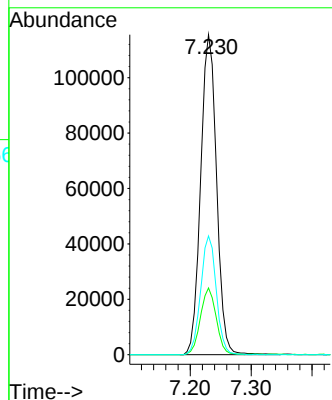
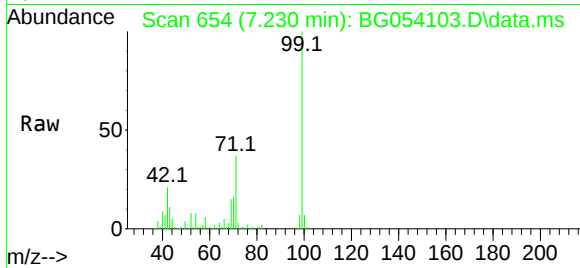




#7
Phenol-d6
Concen: 135.844 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

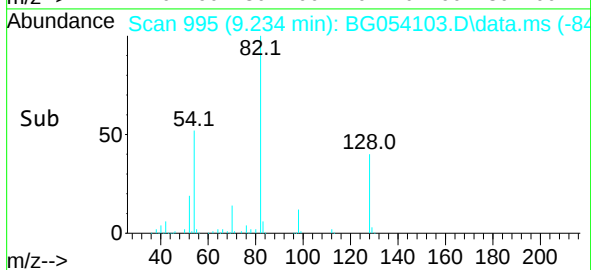
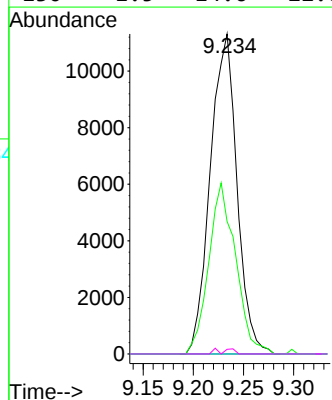
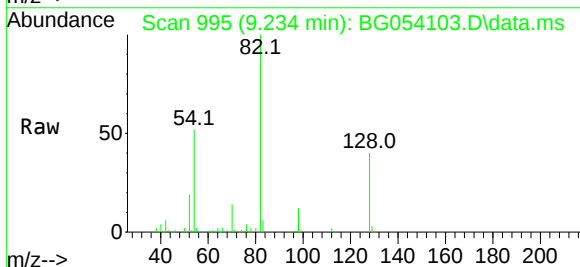
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

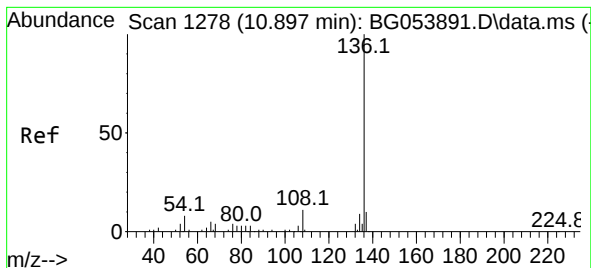
Tgt Ion: 99 Resp: 209477
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 37.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.220 ng
RT: 9.234 min Scan# 995
Delta R.T. 0.358 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

Tgt Ion: 70 Resp: 20948
Ion Ratio Lower Upper
70 100
42 41.4 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: 10.879 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-3

Tgt Ion:136 Resp: 85810

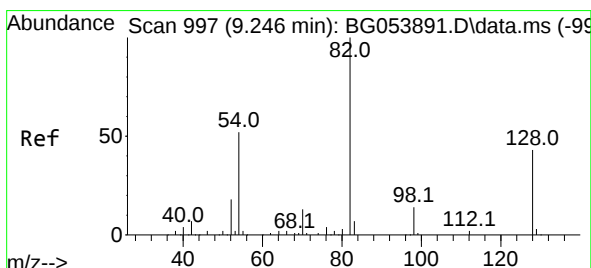
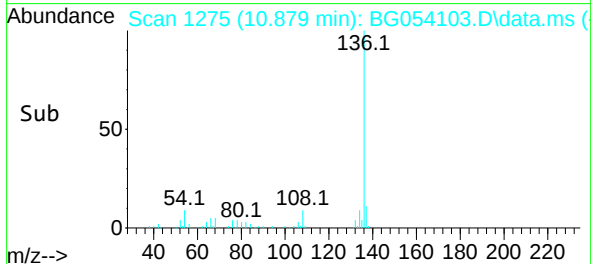
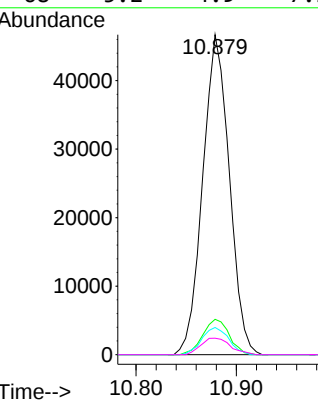
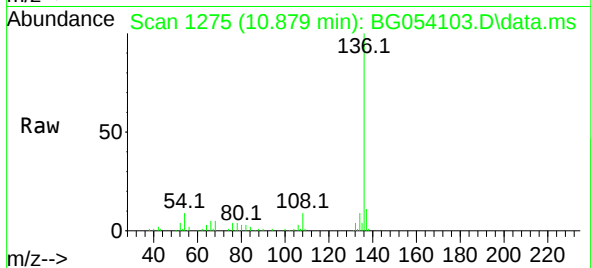
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.5 7.4 11.2

68 5.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 102.684 ng

RT: 9.234 min Scan# 995

Delta R.T. -0.000 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

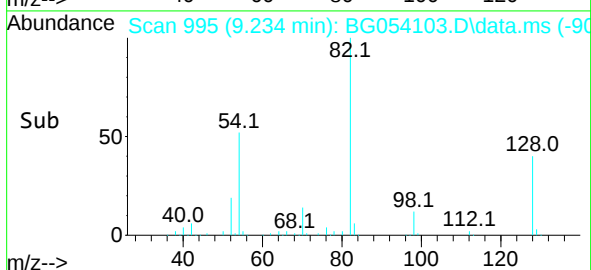
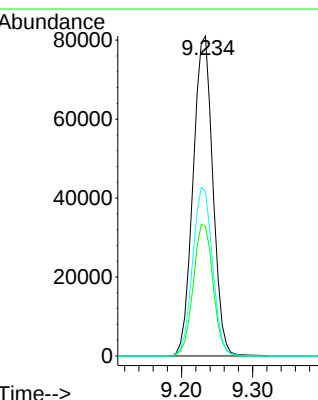
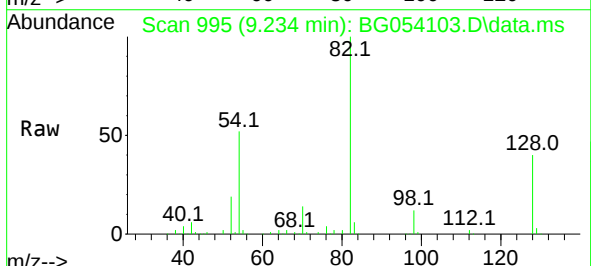
Tgt Ion: 82 Resp: 156795

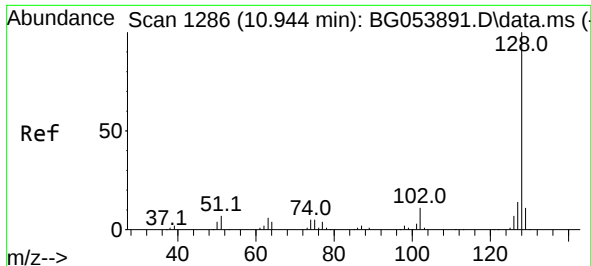
Ion Ratio Lower Upper

82 100

128 40.4 27.9 41.9

54 51.5 41.2 61.8

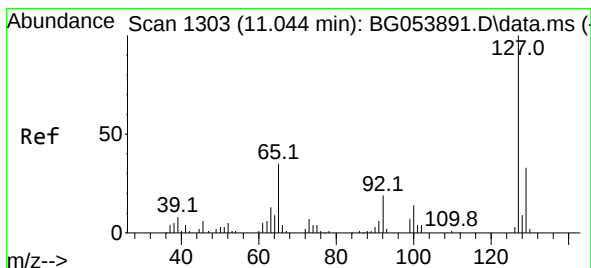
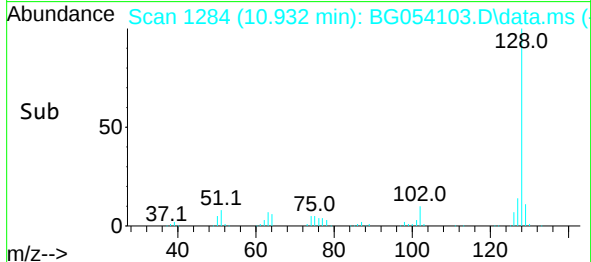
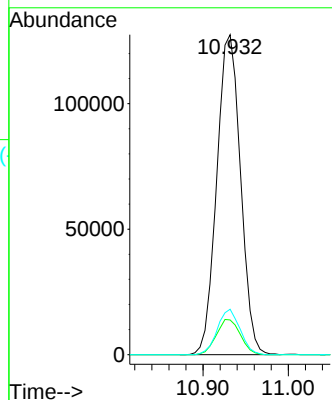
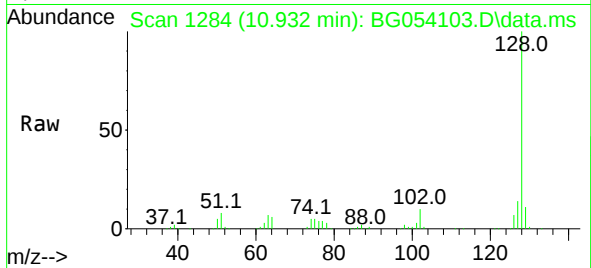




#31
Naphthalene
Concen: 57.030 ng
RT: 10.932 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

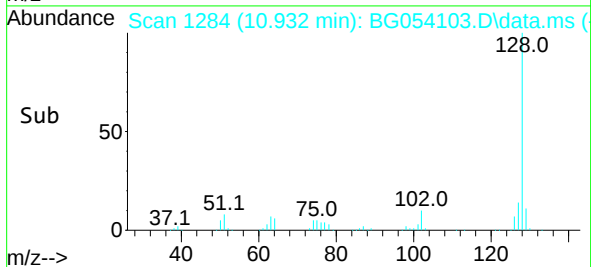
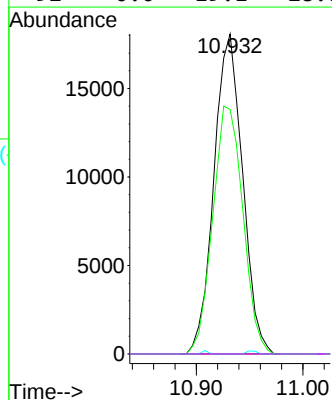
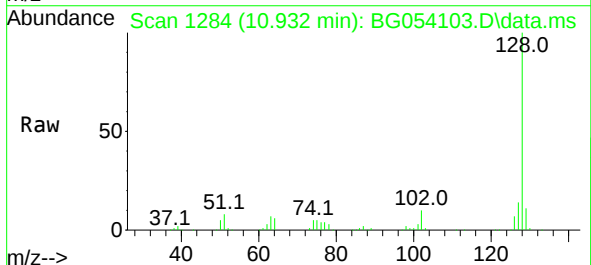
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

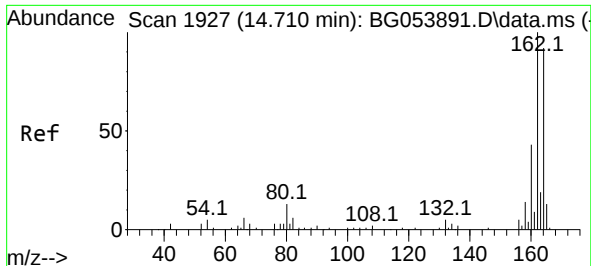
Tgt Ion:128 Resp: 247047
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 14.2 11.1 16.7



#33
4-Chloroaniline
Concen: 18.745 ng
RT: 10.932 min Scan# 1284
Delta R.T. -0.100 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

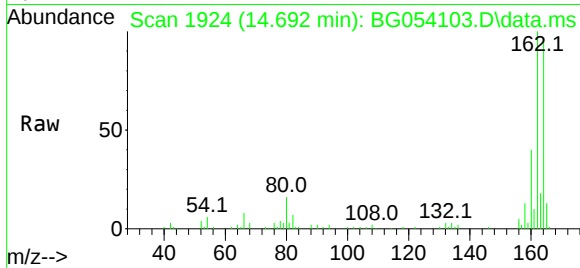
Tgt Ion:127 Resp: 33688
Ion Ratio Lower Upper
127 100
129 76.4 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#



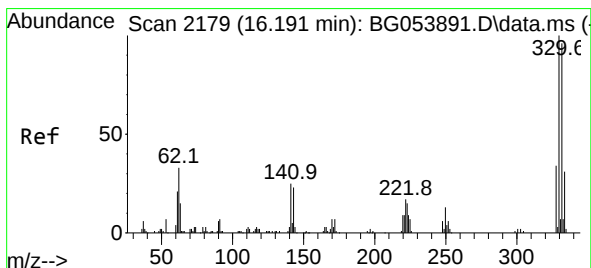
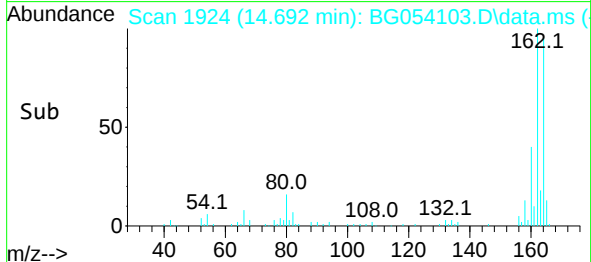
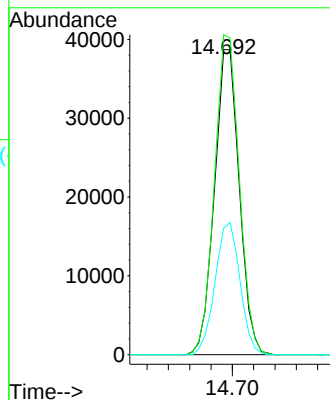


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.692 min Scan# 1924
 Delta R.T. -0.006 min
 Lab File: BG054103.D
 Acq: 27 Jun 2022 22:24

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-3

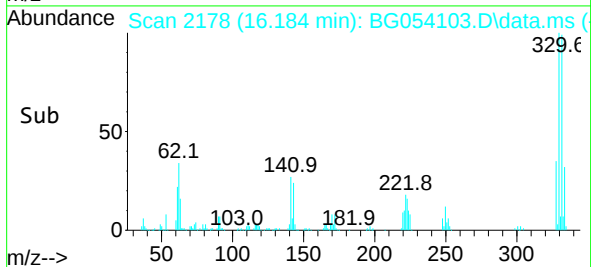
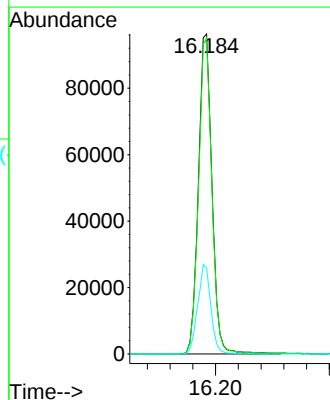
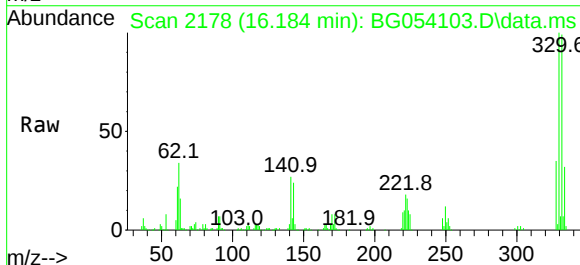


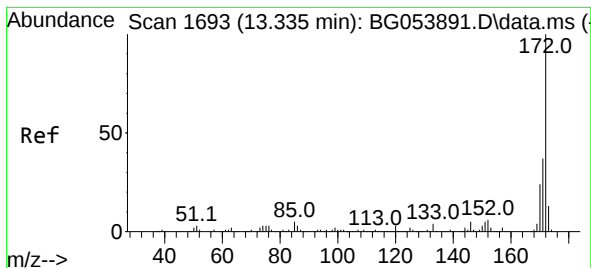
Tgt Ion:	164	Resp:	62518
Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.3	123.5
160	41.5	34.2	51.2



#42
 2,4,6-Tribromophenol
 Concen: 159.279 ng
 RT: 16.184 min Scan# 2178
 Delta R.T. -0.000 min
 Lab File: BG054103.D
 Acq: 27 Jun 2022 22:24

Tgt Ion:	330	Resp:	159990
Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	27.1	27.1	40.7#





#45

2-Fluorobiphenyl

Concen: 94.244 ng

RT: 13.323 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-3

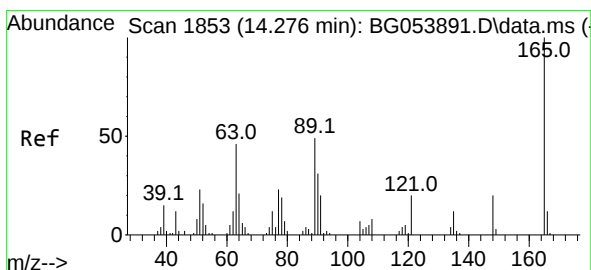
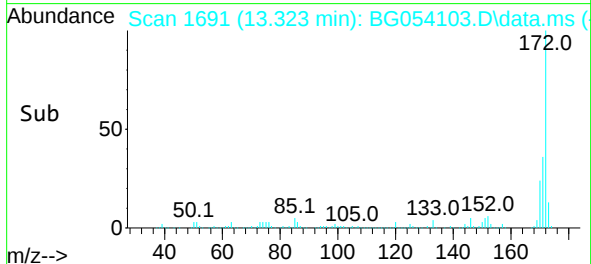
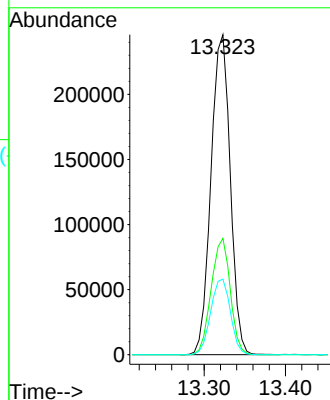
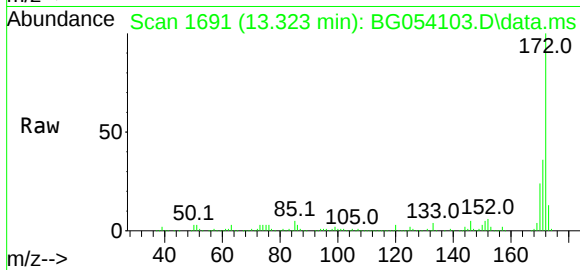
Tgt Ion:172 Resp: 405188

Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

170 23.6 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.546 ng

RT: 14.692 min Scan# 1924

Delta R.T. 0.429 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

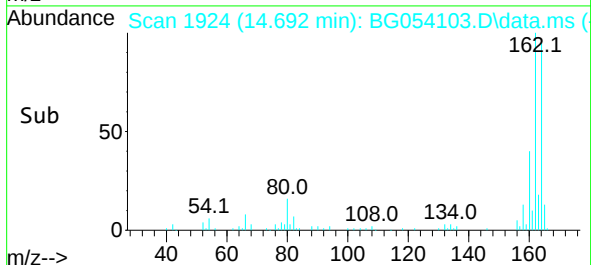
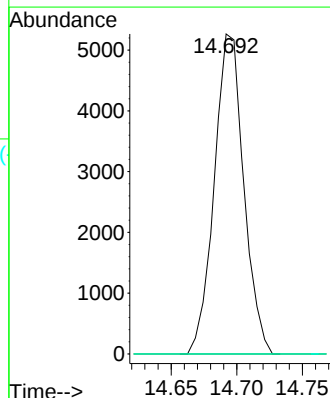
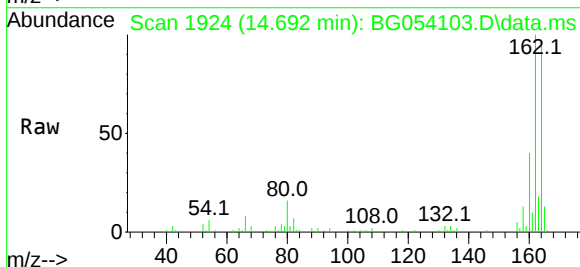
Tgt Ion:165 Resp: 8221

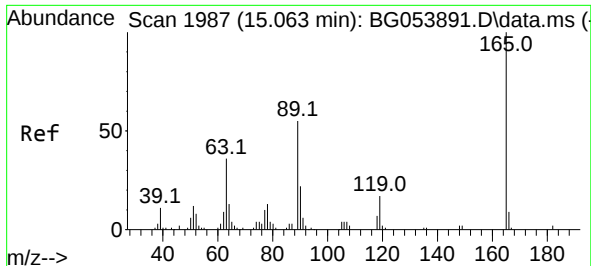
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.051 ng

RT: 14.692 min Scan# 1987

Delta R.T. -0.358 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-3

Tgt Ion:165 Resp: 8221

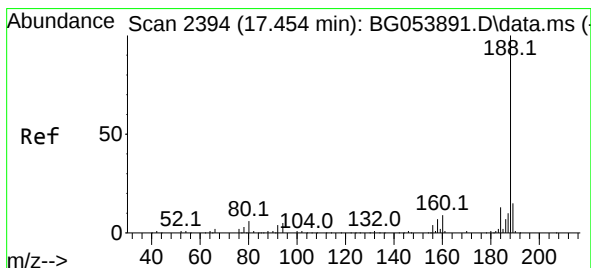
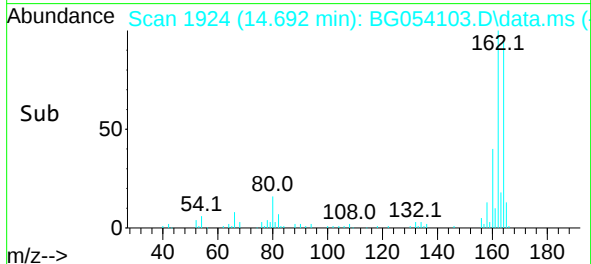
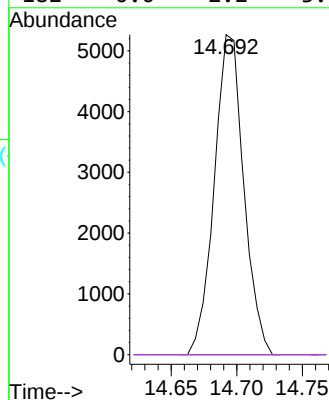
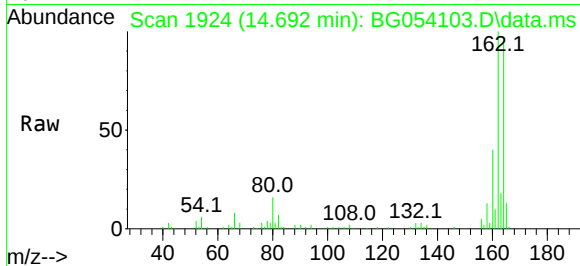
Ion Ratio Lower Upper

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: 17.442 min Scan# 2392

Delta R.T. -0.000 min

Lab File: BG054103.D

Acq: 27 Jun 2022 22:24

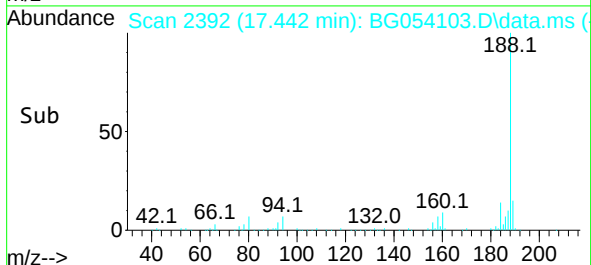
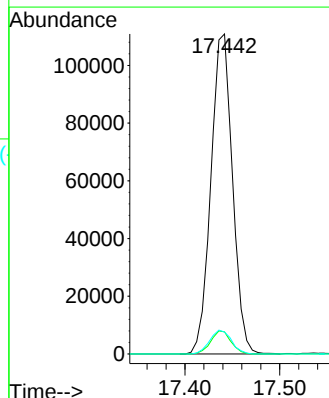
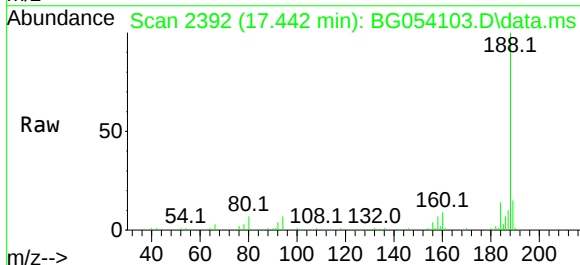
Tgt Ion:188 Resp: 175660

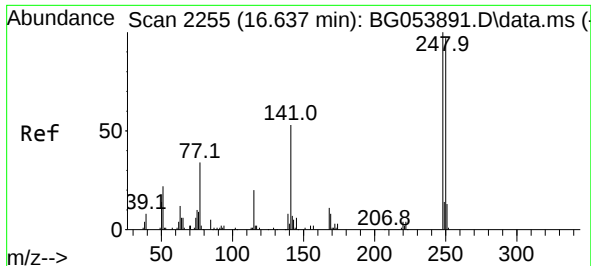
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

80 6.9 6.8 10.2

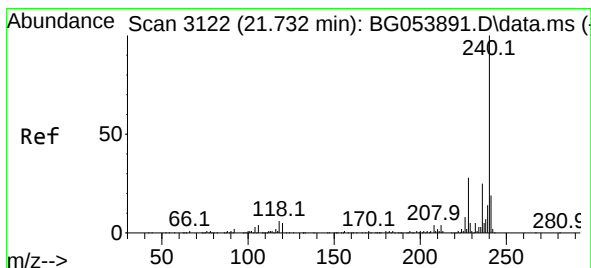
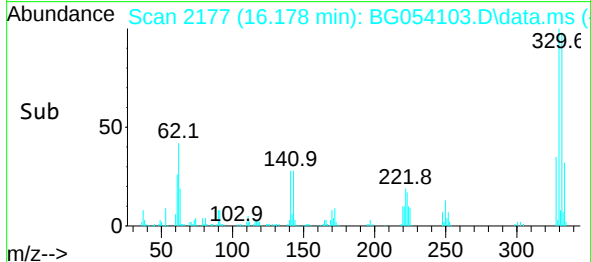
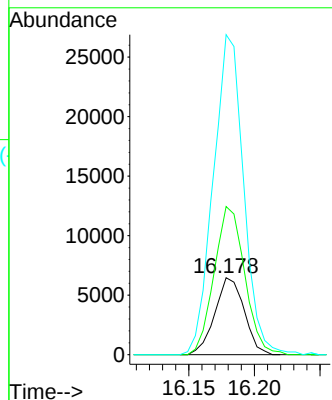
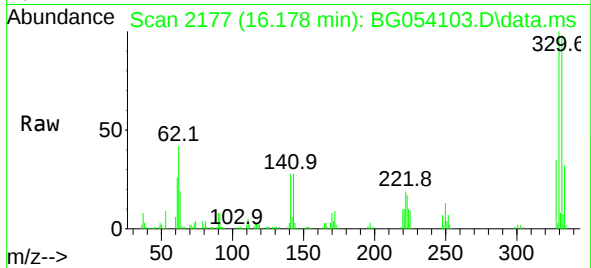




#67
4-Bromophenyl-phenylether
Concen: 4.579 ng
RT: 16.178 min Scan# 2119
Delta R.T. -0.447 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

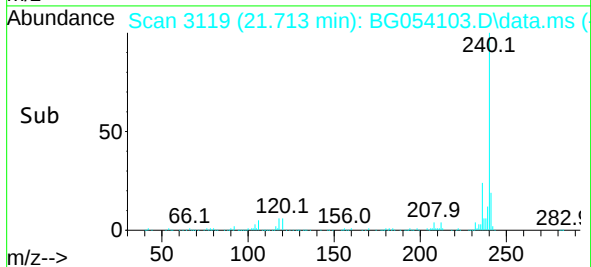
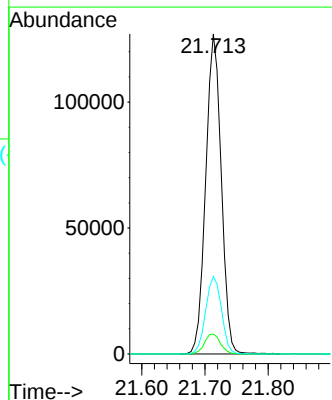
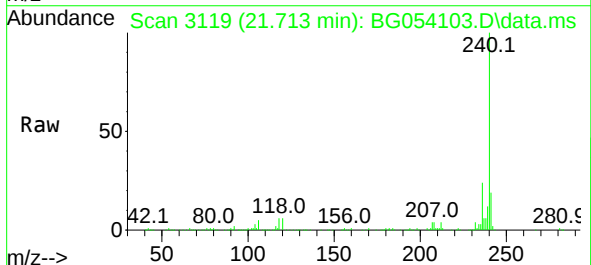
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

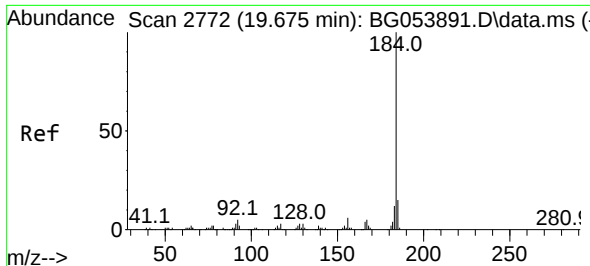
Tgt Ion:248 Resp: 10045
Ion Ratio Lower Upper
248 100
250 190.9 75.2 112.8#
141 317.7 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

Tgt Ion:240 Resp: 216287
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 24.2 20.2 30.4

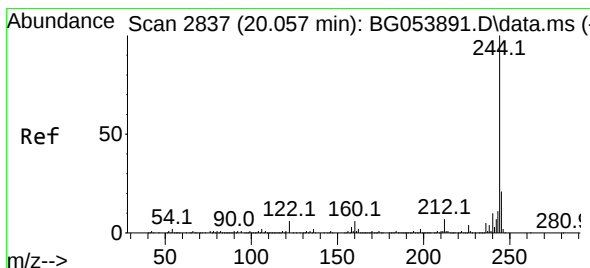
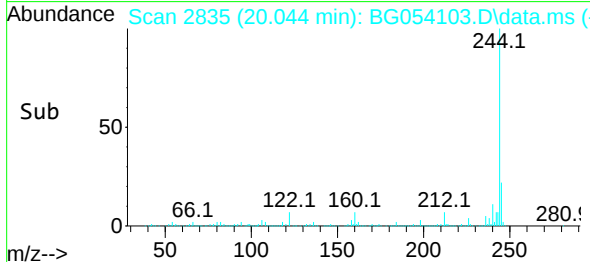
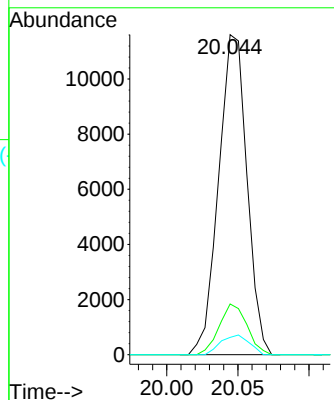
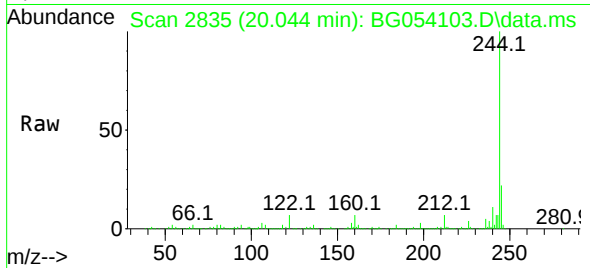




#77
Benzidine
Concen: 3.594 ng
RT: 20.044 min Scan# 21
Delta R.T. 0.382 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

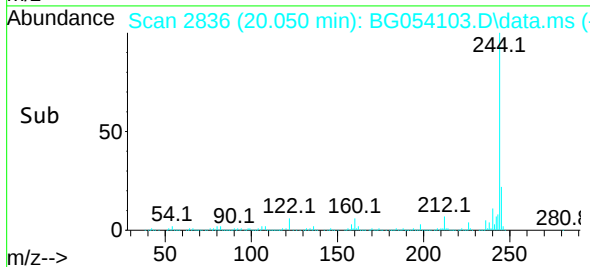
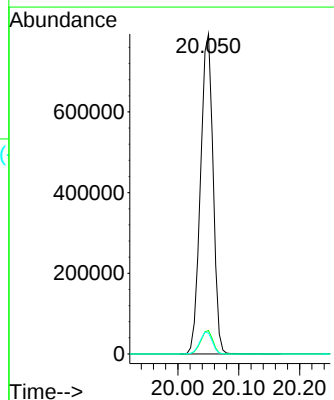
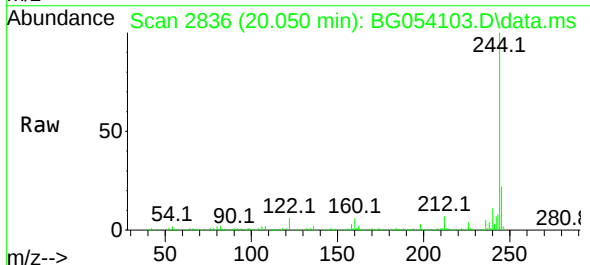
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

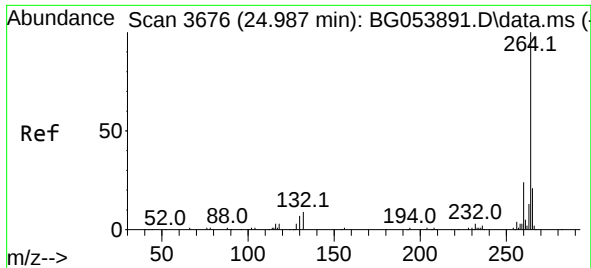
Tgt Ion:184 Resp: 16100
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.6
183 5.4 8.9 13.3#



#79
Terphenyl-d14
Concen: 105.768 ng
RT: 20.050 min Scan# 2836
Delta R.T. 0.006 min
Lab File: BG054103.D
Acq: 27 Jun 2022 22:24

Tgt Ion:244 Resp: 1135812
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 6.5 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.968 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BG054103.D
 Acq: 27 Jun 2022 22:24

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-3

Tgt Ion:264 Resp: 214370
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.7 17.4 26.2

