

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054401.D
 Acq On : 26 Jul 2022 16:55
 Operator : CG/JU
 Sample : N3881-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Quant Time: Jul 27 04:33:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

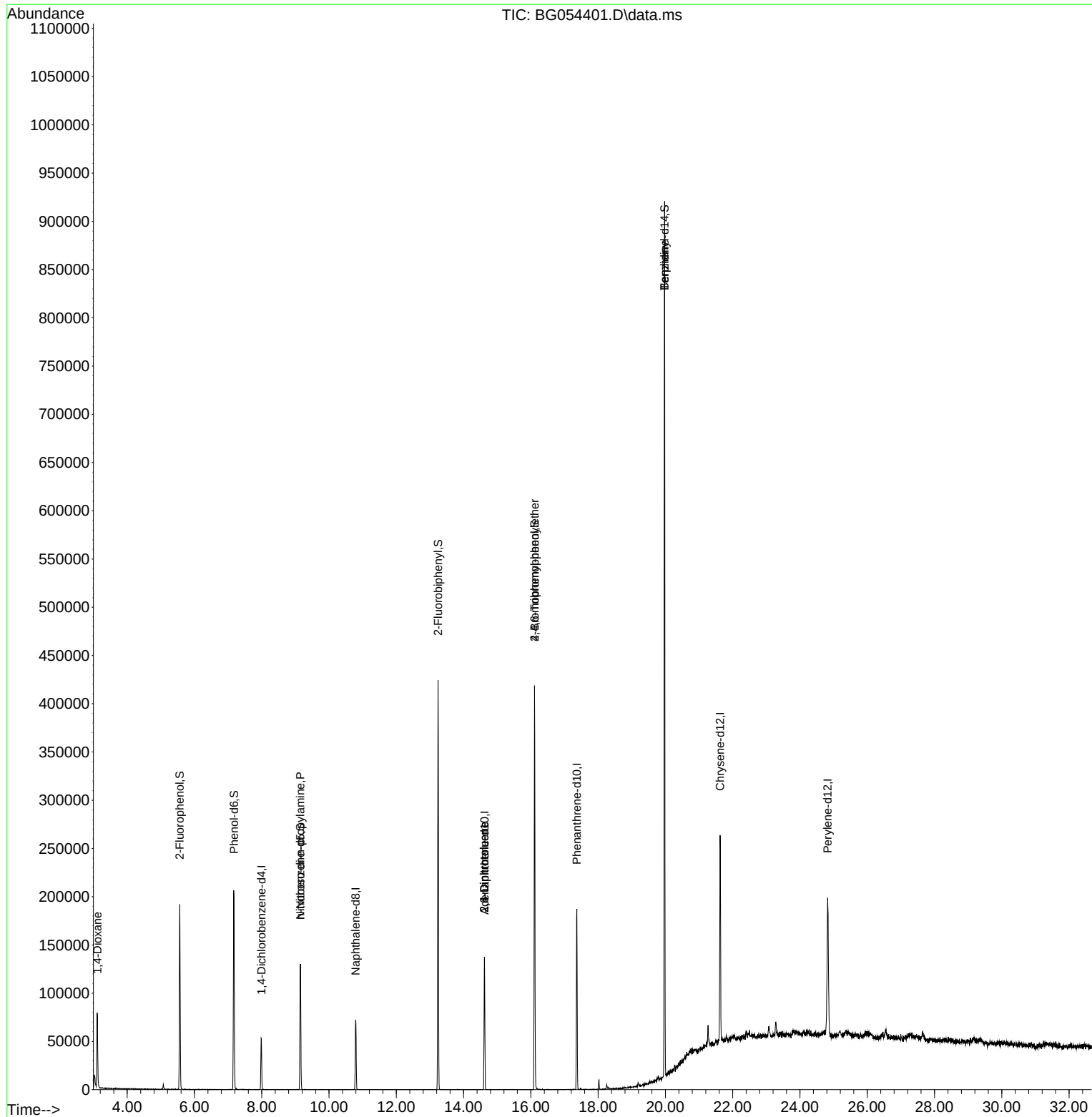
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.990	152	17516	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	68659	20.000	ng	#-0.02
39) Acenaphthene-d10	14.624	164	55743	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	139940	20.000	ng	# 0.00
76) Chrysene-d12	21.627	240	155359	20.000	ng	#-0.02
86) Perylene-d12	24.824	264	164549	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	87446	104.234	ng	0.00
7) Phenol-d6	7.174	99	119938	104.335	ng	0.00
23) Nitrobenzene-d5	9.148	82	81012	64.255	ng	-0.02
42) 2,4,6-Tribromophenol	16.110	330	113114	96.646	ng	-0.02
45) 2-Fluorobiphenyl	13.243	172	248238	62.822	ng	-0.02
79) Terphenyl-d14	19.976	244	511856	65.360	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.114	88	713	2.136	ng	# 1
19) n-Nitroso-di-n-propyla...	9.148	70	11493	14.972	ng	# 78
51) 2,6-Dinitrotoluene	14.618	165	7764	8.130	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7764	5.671	ng	# 21
67) 4-Bromophenyl-phenylether	16.110	248	6458	3.286	ng	# 1
77) Benzidine	19.976	184	6517	2.316	ng	# 92

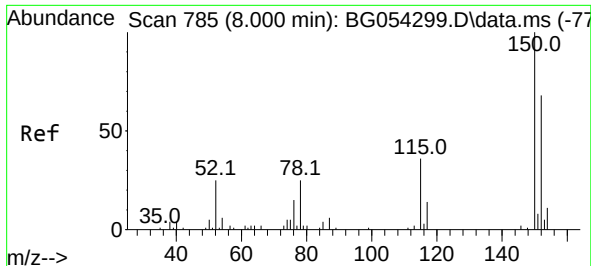
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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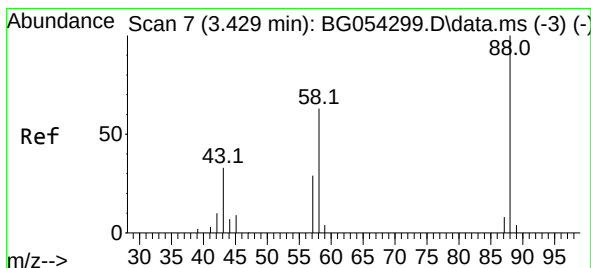
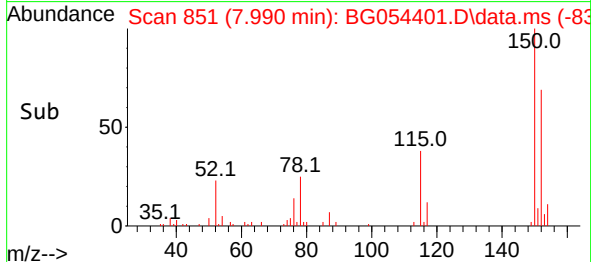
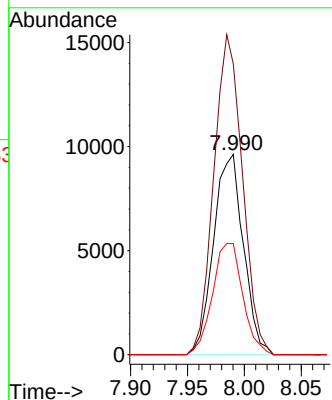
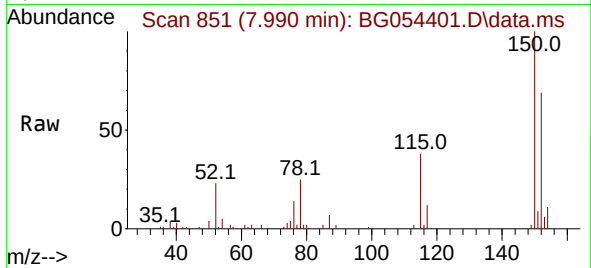




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.990 min Scan# 81
 Delta R.T. -0.010 min
 Lab File: BG054401.D
 Acq: 26 Jul 2022 16:55

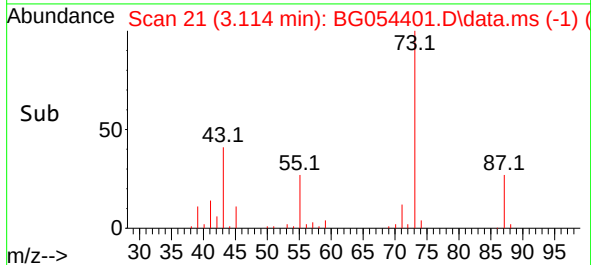
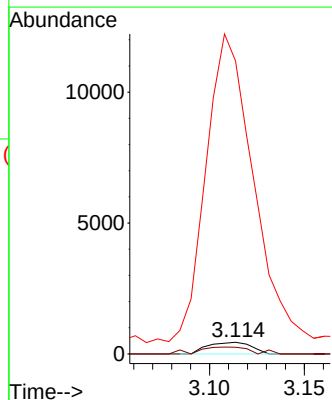
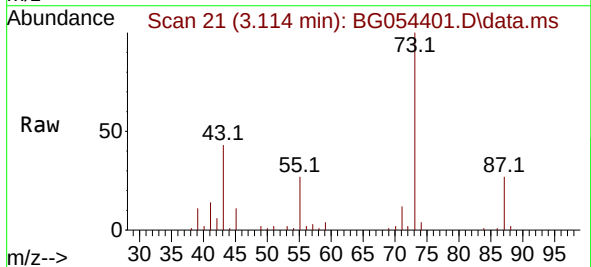
Instrument :
 BNA_G
 ClientSampleId :
 TP2

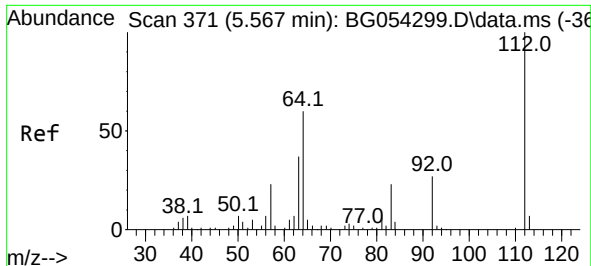
Tgt Ion:152 Resp: 17516
 Ion Ratio Lower Upper
 152 100
 150 145.1 131.6 197.4
 115 55.5 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.136 ng
 RT: 3.114 min Scan# 21
 Delta R.T. -0.315 min
 Lab File: BG054401.D
 Acq: 26 Jul 2022 16:55

Tgt Ion: 88 Resp: 713
 Ion Ratio Lower Upper
 88 100
 58 72.1 59.2 88.8
 43 3034.9 24.3 36.5#

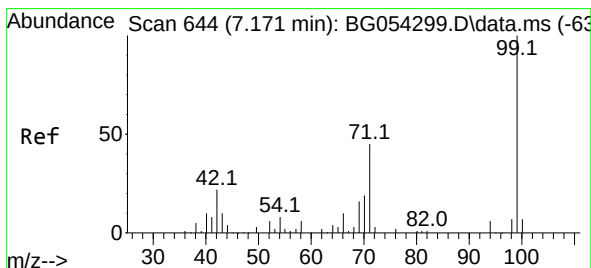
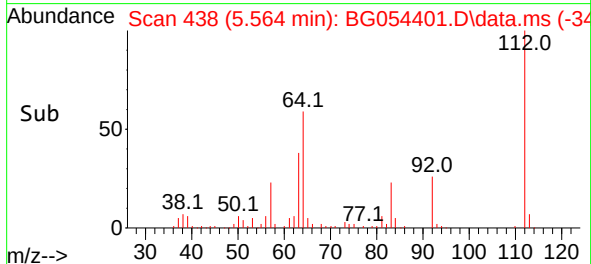
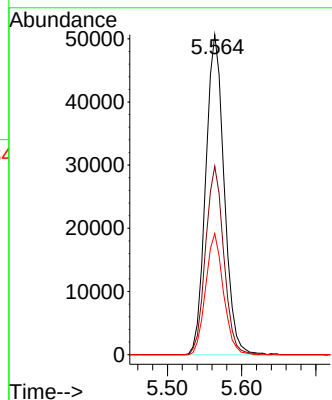
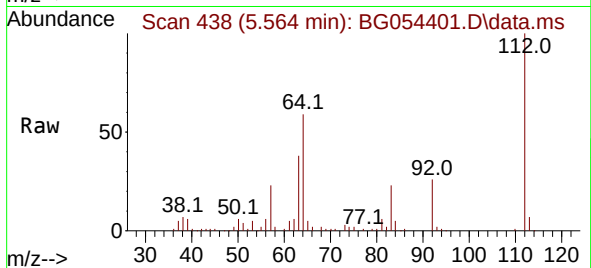




#5
2-Fluorophenol
Concen: 104.234 ng
RT: 5.564 min Scan# 41
Delta R.T. -0.004 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

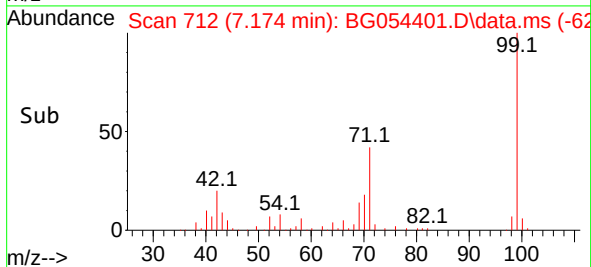
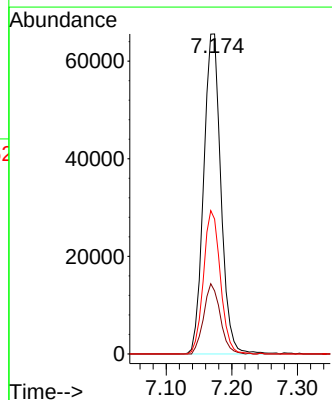
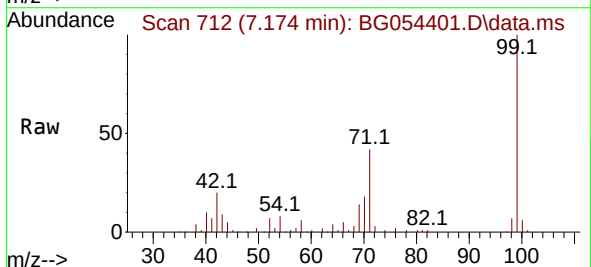
Instrument :
BNA_G
ClientSampleId :
TP2

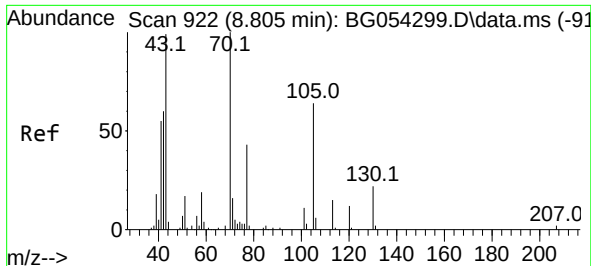
Tgt Ion:112 Resp: 87446
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 37.8 30.4 45.6



#7
Phenol-d6
Concen: 104.335 ng
RT: 7.174 min Scan# 712
Delta R.T. 0.002 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion: 99 Resp: 119938
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 42.1 33.8 50.8

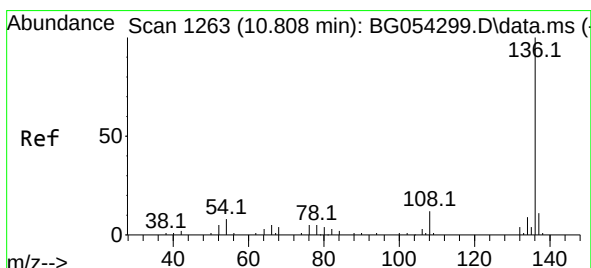
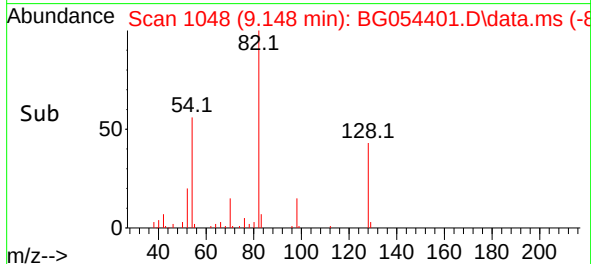
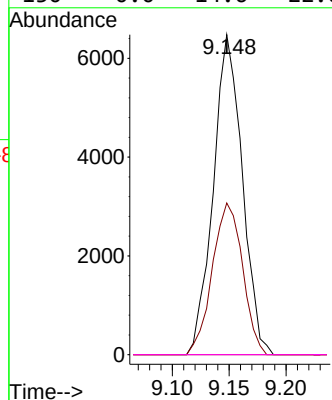
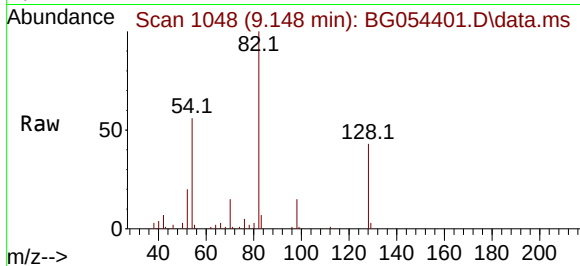




#19
n-Nitroso-di-n-propylamine
Concen: 14.972 ng
RT: 9.148 min Scan# 11
Delta R.T. 0.343 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

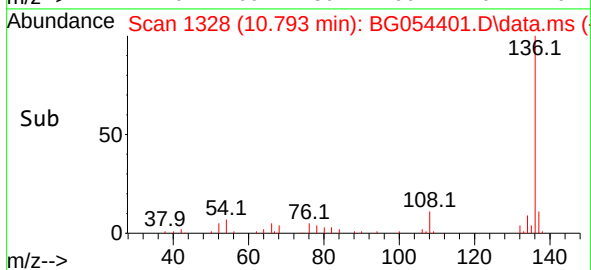
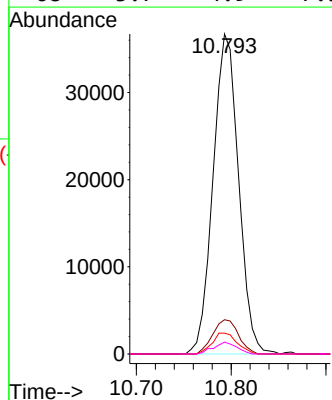
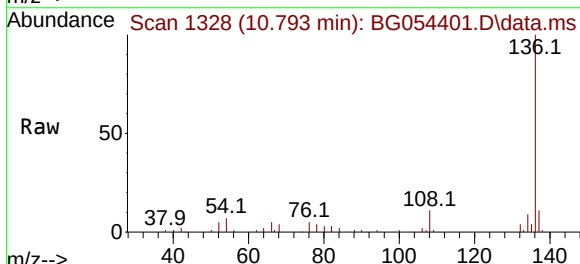
Instrument :
BNA_G
ClientSampleId :
TP2

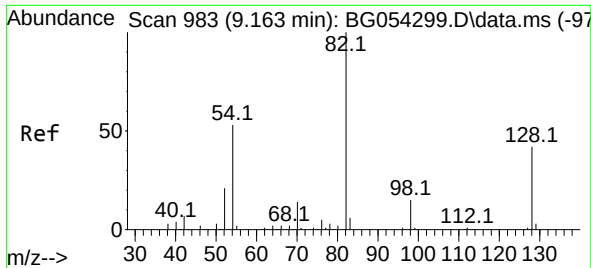
Tgt Ion: 70	Resp: 11493
Ion Ratio	Lower Upper
70 100	
42 47.4	47.3 70.9
101 0.0	7.0 10.4#
130 0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 1328
Delta R.T. -0.015 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion: 136	Resp: 68659
Ion Ratio	Lower Upper
136 100	
137 10.7	8.5 12.7
54 6.5	7.4 11.2#
68 3.7	4.9 7.3#

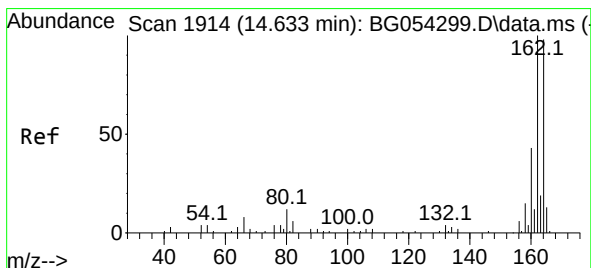
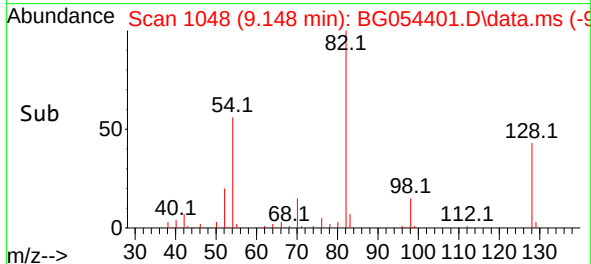
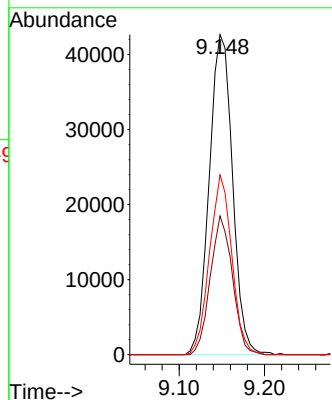
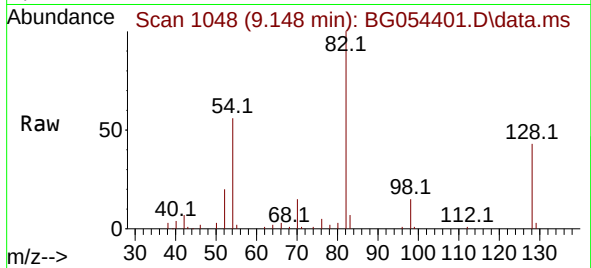




#23
Nitrobenzene-d5
Concen: 64.255 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.015 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

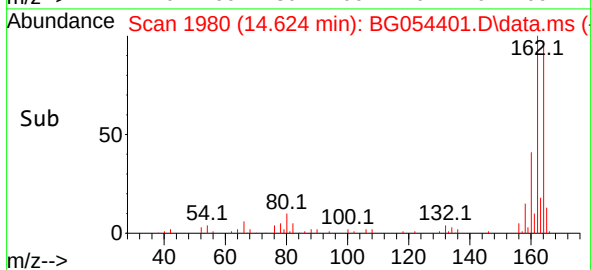
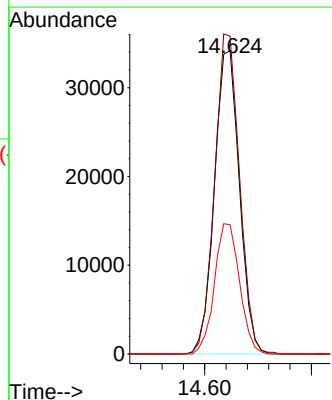
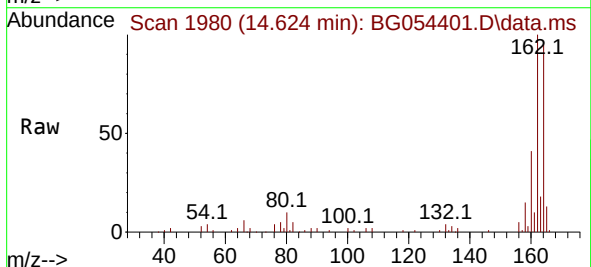
Instrument :
BNA_G
ClientSampleId :
TP2

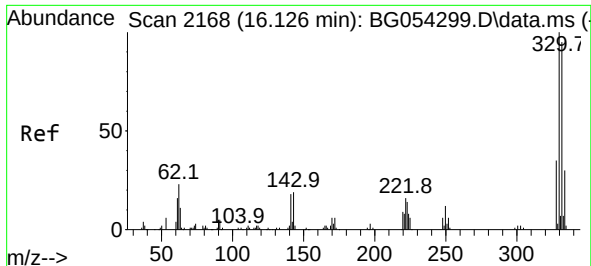
Tgt Ion: 82 Resp: 81012
Ion Ratio Lower Upper
82 100
128 43.4 27.9 41.9#
54 56.2 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.009 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion:164 Resp: 55743
Ion Ratio Lower Upper
164 100
162 104.7 82.3 123.5
160 42.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 96.646 ng

RT: 16.110 min Scan# 21

Delta R.T. -0.015 min

Lab File: BG054401.D

Acq: 26 Jul 2022 16:55

Instrument :

BNA_G

ClientSampleId :

TP2

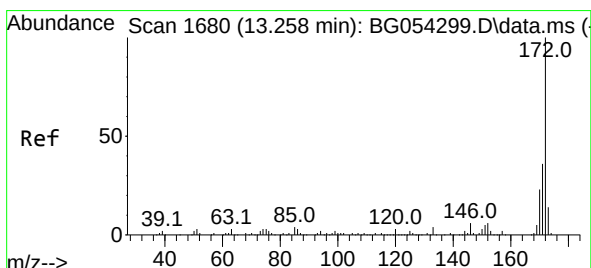
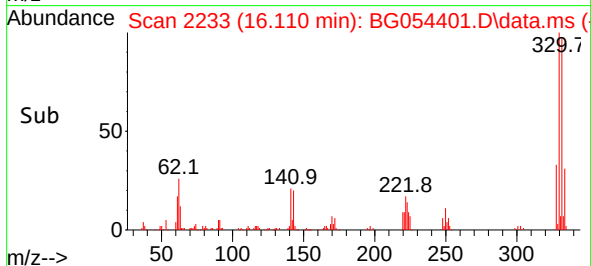
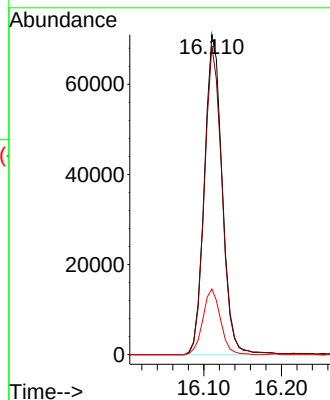
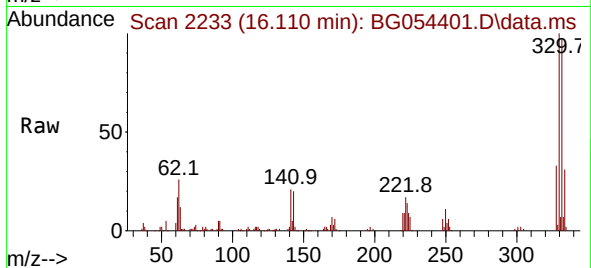
Tgt Ion:330 Resp: 113114

Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

141 20.3 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 62.822 ng

RT: 13.243 min Scan# 1745

Delta R.T. -0.015 min

Lab File: BG054401.D

Acq: 26 Jul 2022 16:55

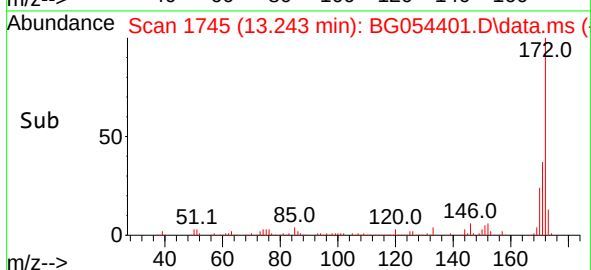
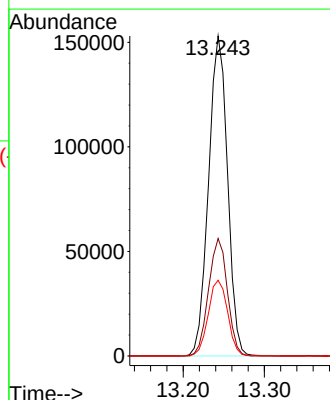
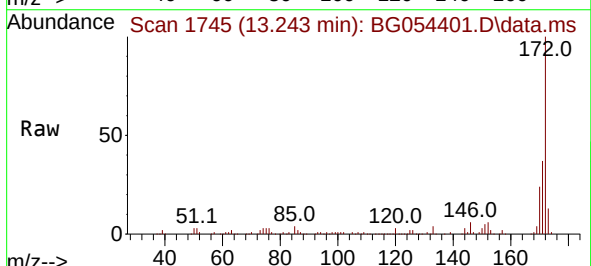
Tgt Ion:172 Resp: 248238

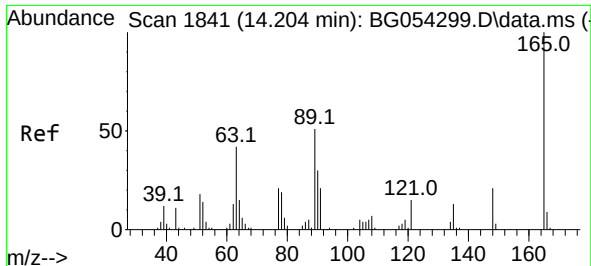
Ion Ratio Lower Upper

172 100

171 36.7 28.5 42.7

170 23.7 18.9 28.3

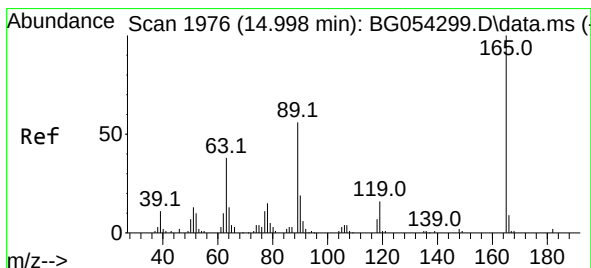
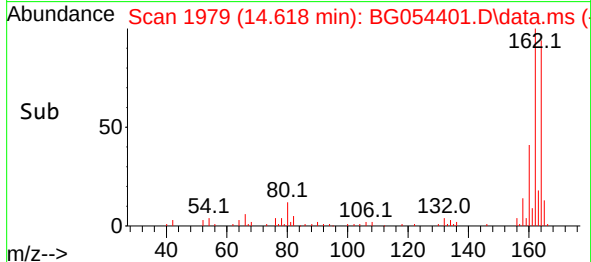
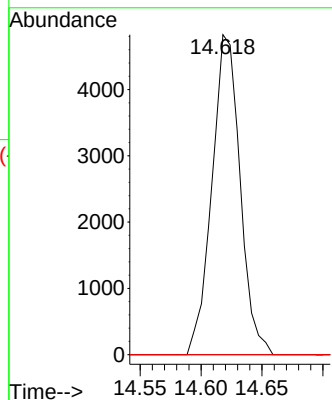
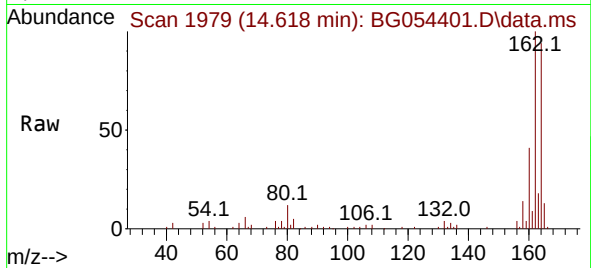




#51
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.414 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

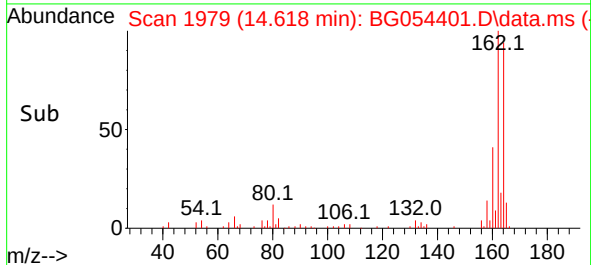
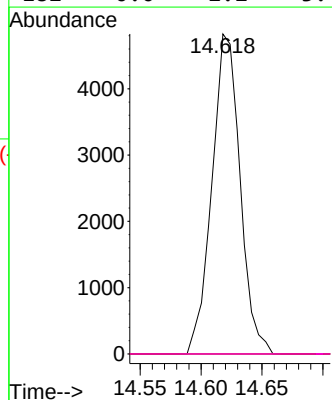
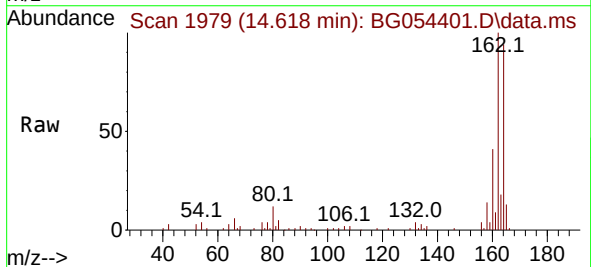
Instrument :
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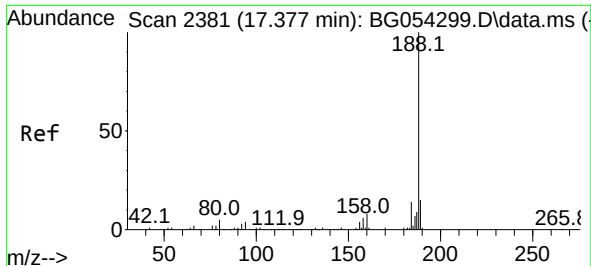
Tgt Ion:165 Resp: 7764
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.671 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.380 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion:165 Resp: 7764
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#

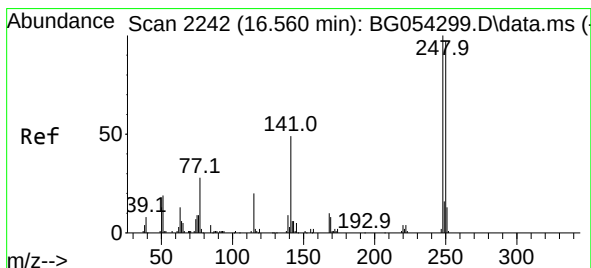
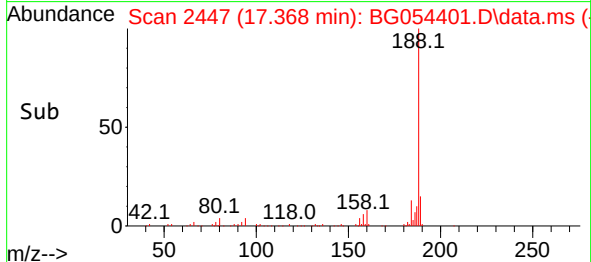
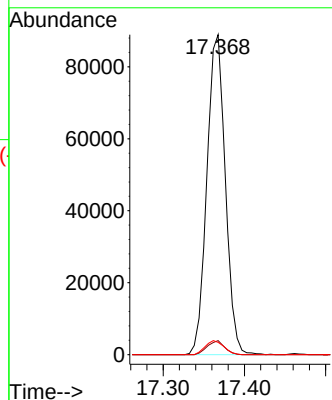
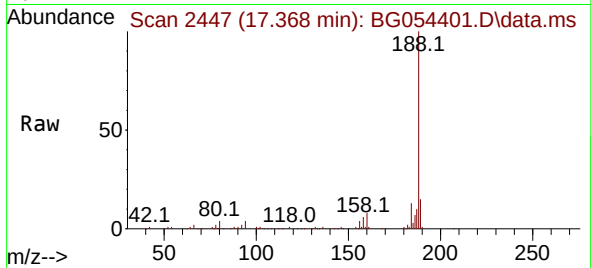




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

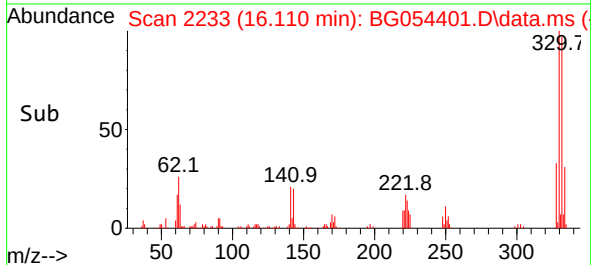
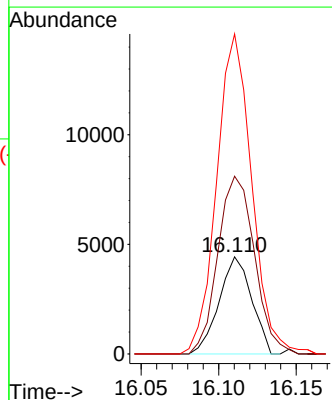
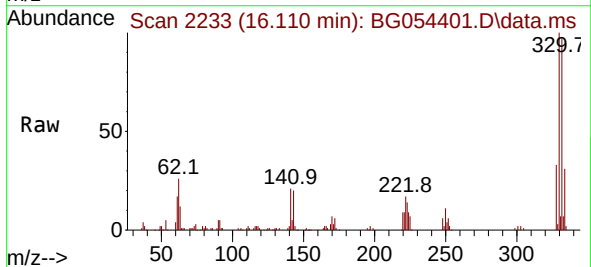
Instrument :
BNA_G
ClientSampleId :
TP2

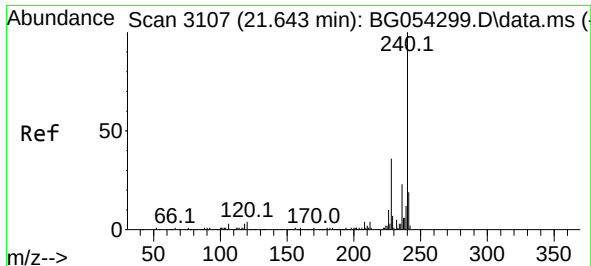
Tgt Ion:188 Resp: 139940
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 3.9 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.286 ng
RT: 16.110 min Scan# 2233
Delta R.T. -0.450 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion:248 Resp: 6458
Ion Ratio Lower Upper
248 100
250 182.9 75.2 112.8#
141 329.3 50.0 75.0#

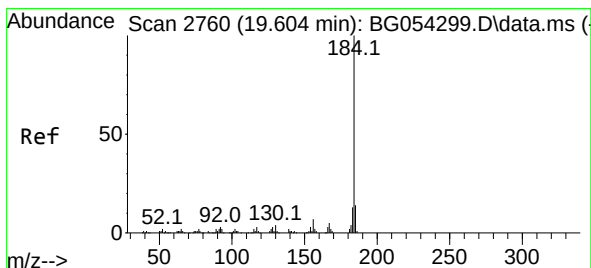
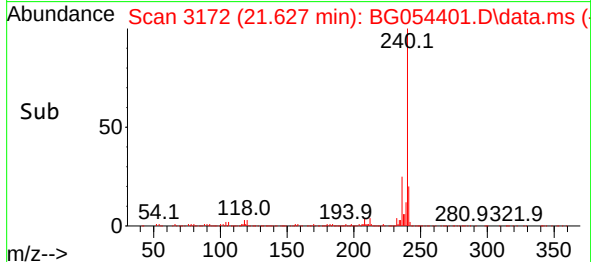
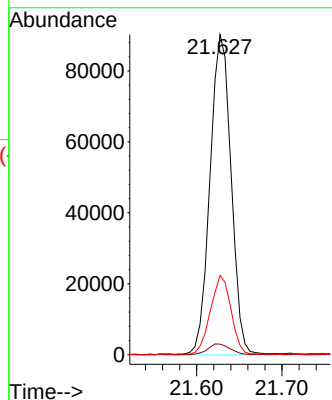
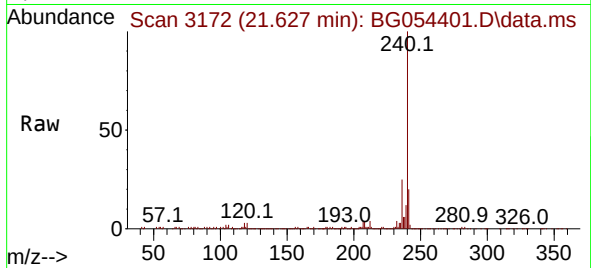




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

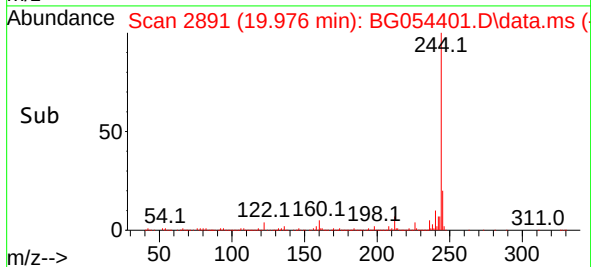
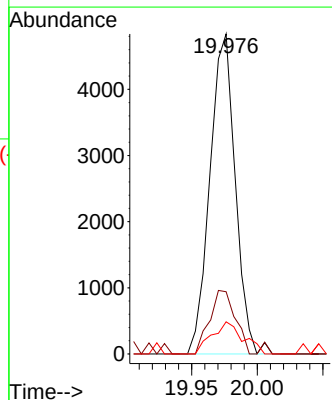
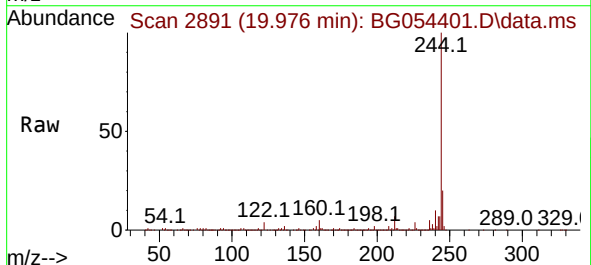
Instrument :
BNA_G
ClientSampleId :
TP2

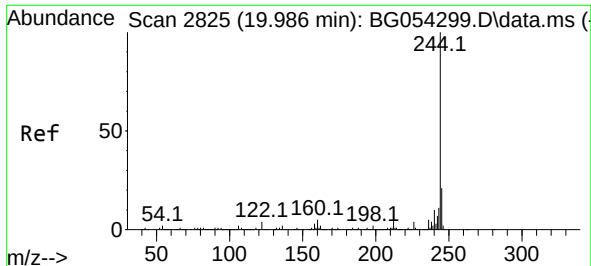
Tgt Ion:240 Resp: 155359
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.8 20.2 30.4



#77
Benzidine
Concen: 2.316 ng
RT: 19.976 min Scan# 2891
Delta R.T. 0.372 min
Lab File: BG054401.D
Acq: 26 Jul 2022 16:55

Tgt Ion:184 Resp: 6517
Ion Ratio Lower Upper
184 100
185 19.5 11.8 17.6#
183 10.0 8.9 13.3

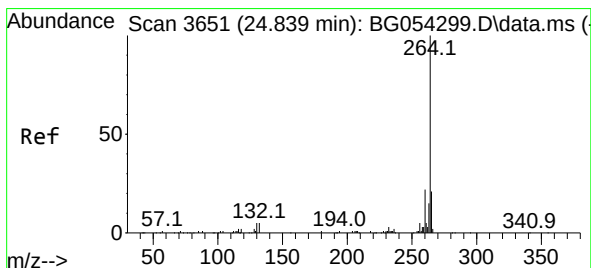
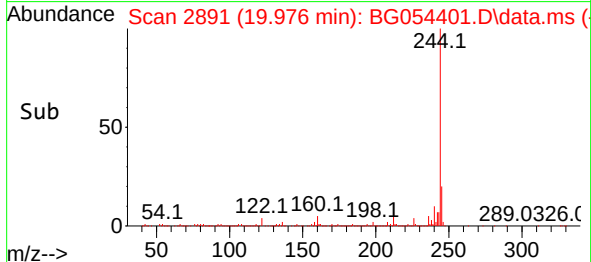
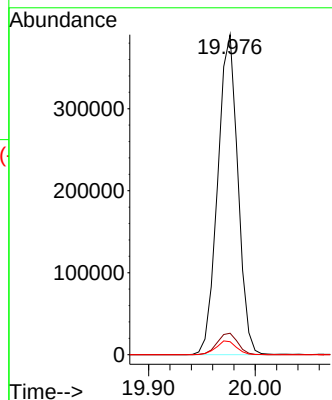
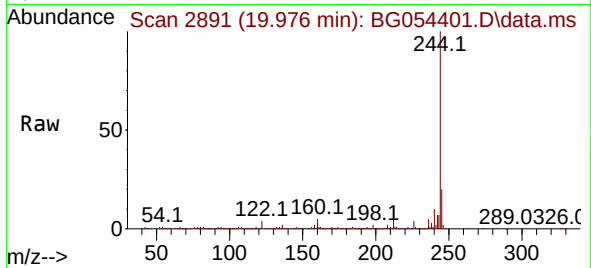




#79
 Terphenyl-d14
 Concen: 65.360 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG054401.D
 Acq: 26 Jul 2022 16:55

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Tgt Ion:244 Resp: 511856
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.0 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.824 min Scan# 3716
 Delta R.T. -0.015 min
 Lab File: BG054401.D
 Acq: 26 Jul 2022 16:55

Tgt Ion:264 Resp: 164549
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.4 17.4 26.2

