

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060322\
 Data File : BG053821.D
 Acq On : 3 Jun 2022 20:16
 Operator : CG/JU
 Sample : N3170-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20220422-SPLP-AMENDED-COMPOSITE-B

Quant Time: Jun 04 03:06:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 23:22:27 2022
 Response via : Initial Calibration

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

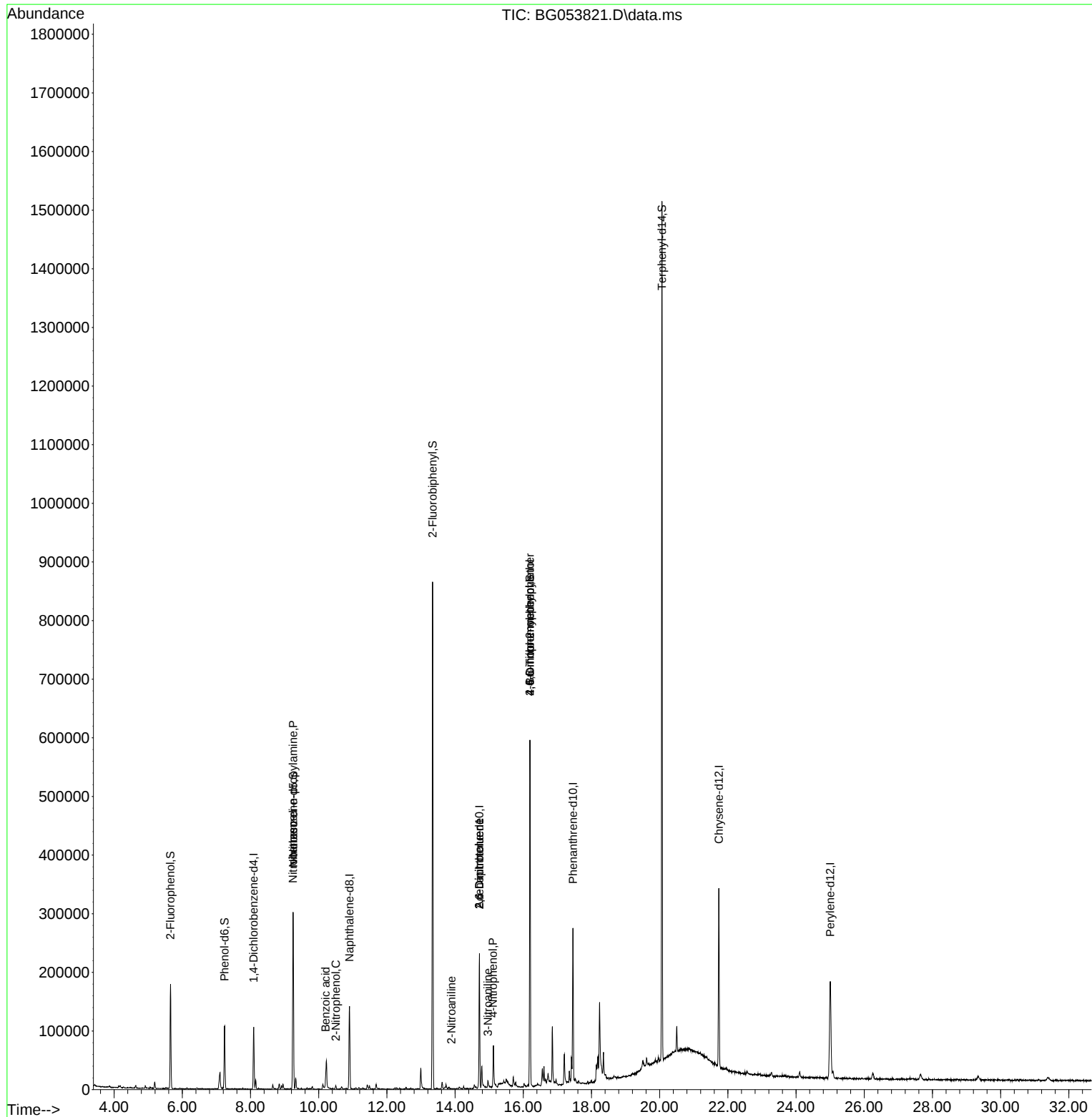
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	32777	20.000	ng	0.00
21) Naphthalene-d8	10.902	136	130954	20.000	ng	0.00
39) Acenaphthene-d10	14.715	164	84959	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	179726	20.000	ng	0.00
76) Chrysene-d12	21.736	240	194362	20.000	ng	# 0.00
86) Perylene-d12	25.003	264	200535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.655	112	82130	46.014	ng	0.00
7) Phenol-d6	7.241	99	63485	26.257	ng	0.00
23) Nitrobenzene-d5	9.251	82	191688	96.124	ng	0.00
42) 2,4,6-Tribromophenol	16.195	330	127687	123.814	ng	0.00
45) 2-Fluorobiphenyl	13.340	172	471111	82.956	ng	0.00
79) Terphenyl-d14	20.067	244	798086	81.689	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.251	70	26287	15.351	ng	# 80
24) Nitrobenzene	9.245	77	688	3.263	ng	# 48
26) 2-Nitrophenol	10.502	139	855	3.939	ng	# 21
32) Benzoic acid	10.202	122	146	6.408	ng	# 75
48) 2-Nitroaniline	13.892	65	55	5.082	ng	# 10
51) 2,6-Dinitrotoluene	14.715	165	11527	13.497	ng	# 17
53) 3-Nitroaniline	14.962	138	70	3.839	ng	# 1
56) 4-Nitrophenol	15.114	139	278	4.882	ng	# 72
57) 2,4-Dinitrotoluene	14.715	165	11527	11.282	ng	# 22
65) 4,6-Dinitro-2-methylph...	16.195	198	331	6.028	ng	# 70
67) 4-Bromophenyl-phenylether	16.195	248	8541	4.374	ng	# 1

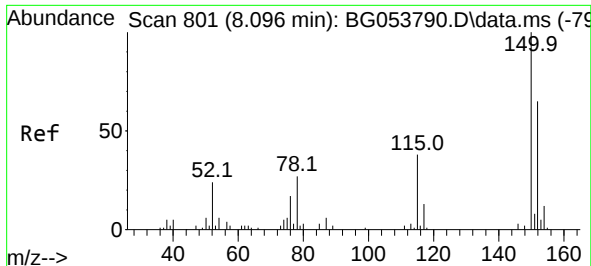
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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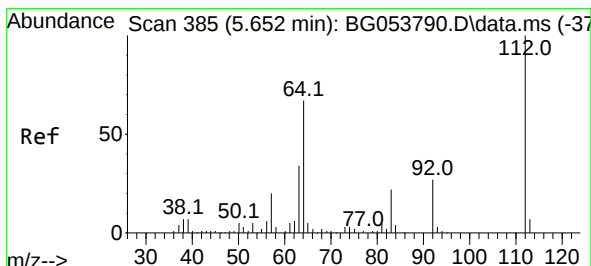
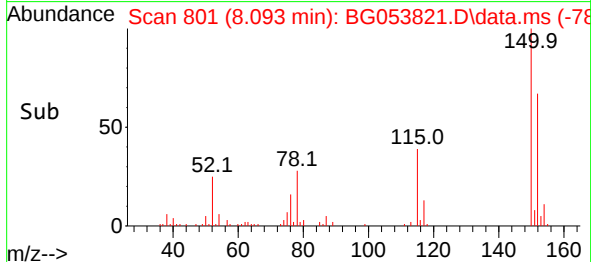
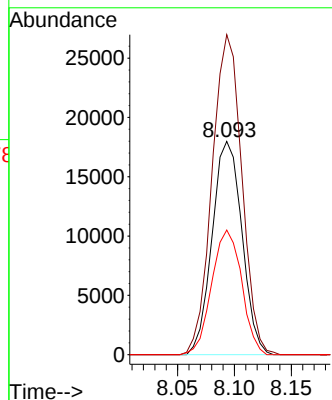
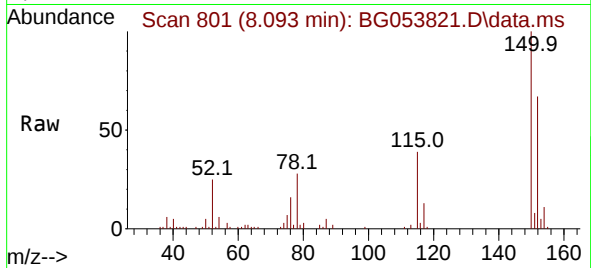




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 801
Delta R.T. -0.003 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

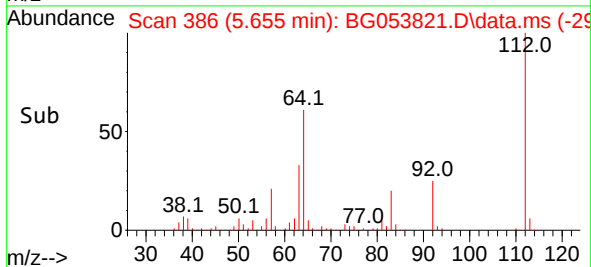
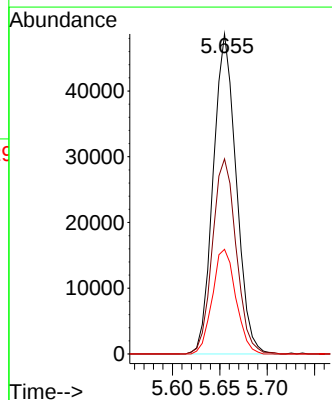
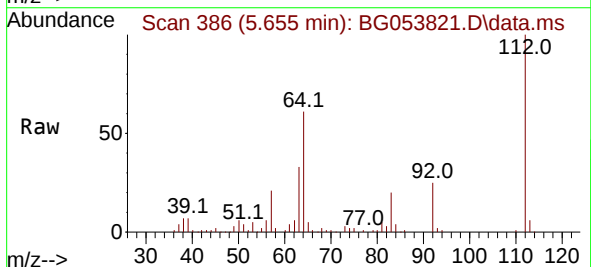
Instrument : BNA_G
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

Tgt Ion:152 Resp: 32777
Ion Ratio Lower Upper
152 100
150 150.1 131.6 197.4
115 58.5 50.9 76.3



#5
2-Fluorophenol
Concen: 46.014 ng
RT: 5.655 min Scan# 386
Delta R.T. 0.003 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion:112 Resp: 82130
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 32.7 30.4 45.6

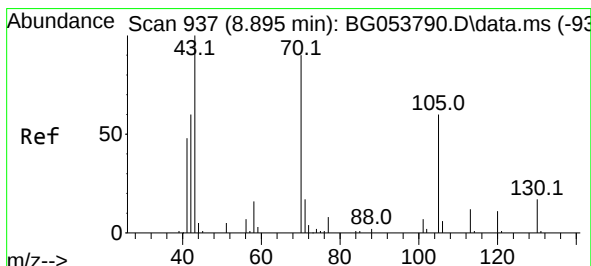
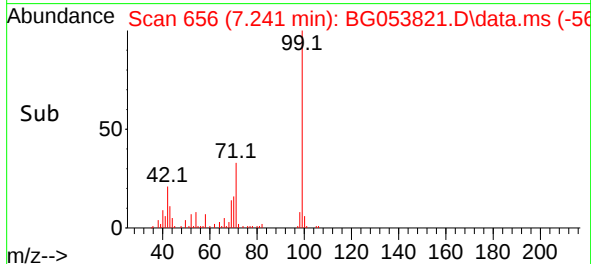
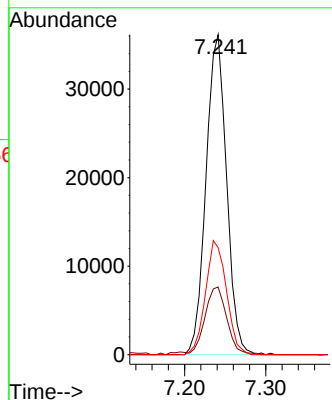
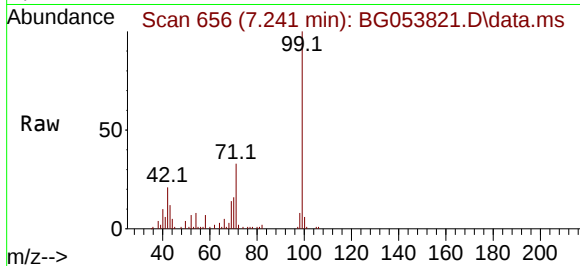




#7
Phenol-d6
Concen: 26.257 ng
RT: 7.241 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

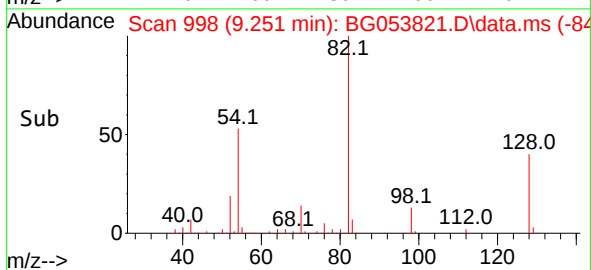
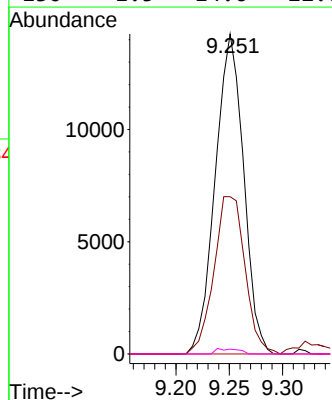
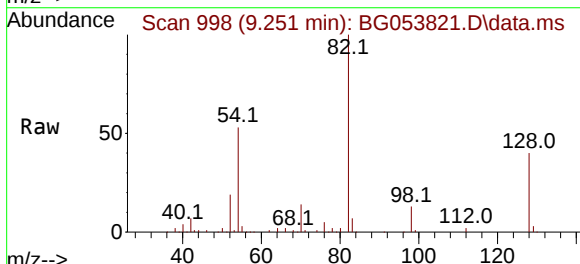
Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

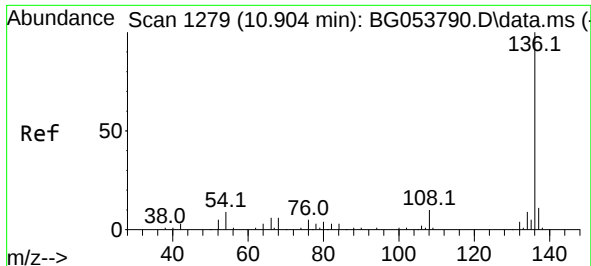
Tgt Ion: 99 Resp: 63485
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 33.5 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.351 ng
RT: 9.251 min Scan# 998
Delta R.T. 0.356 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

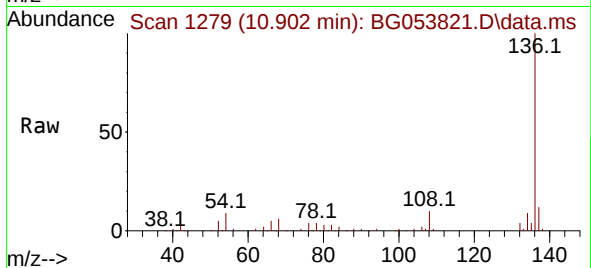
Tgt Ion: 70 Resp: 26287
Ion Ratio Lower Upper
70 100
42 49.1 47.3 70.9
101 0.0 7.0 10.4#
130 1.5 14.6 22.0#



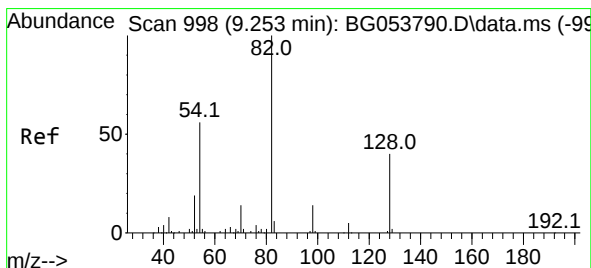
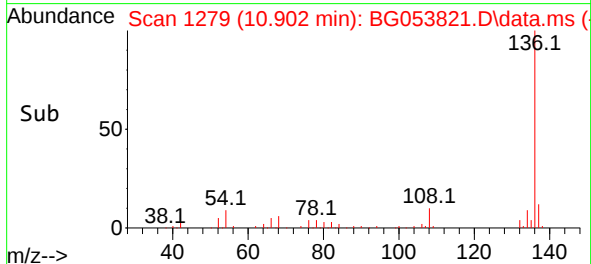
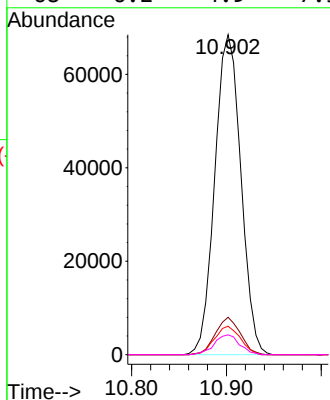


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.902 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

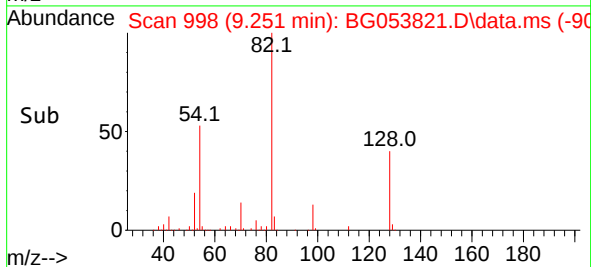
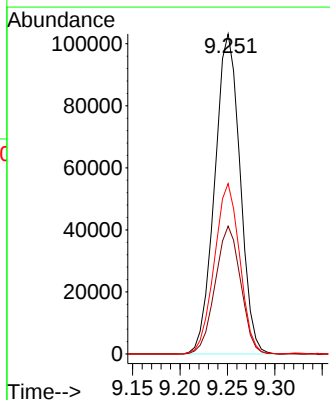
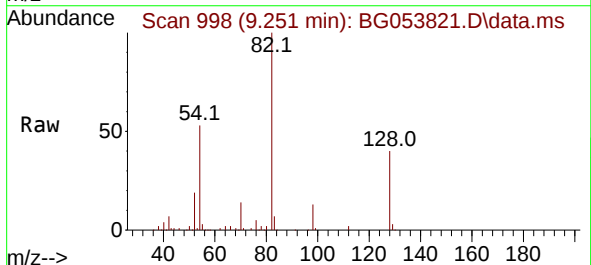


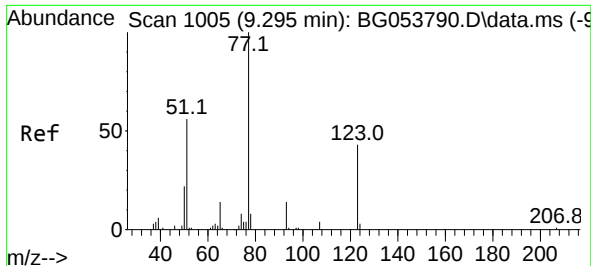
Tgt Ion:	136	Resp:	130954
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.5	12.7
54	8.9	7.4	11.2
68	6.2	4.9	7.3



#23
Nitrobenzene-d5
Concen: 96.124 ng
RT: 9.251 min Scan# 998
Delta R.T. -0.002 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion:	82	Resp:	191688
Ion Ratio	Lower	Upper	
82	100		
128	39.9	27.9	41.9
54	53.2	41.2	61.8

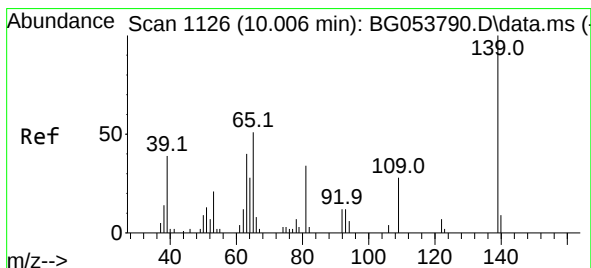
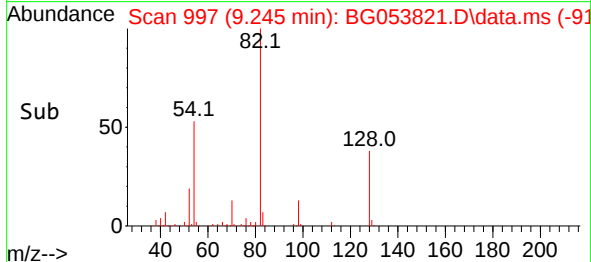
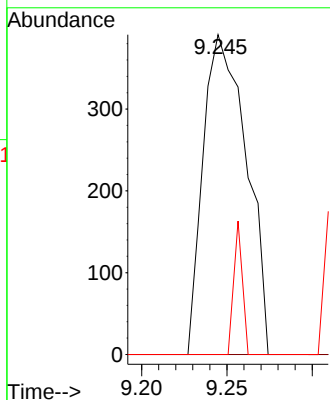
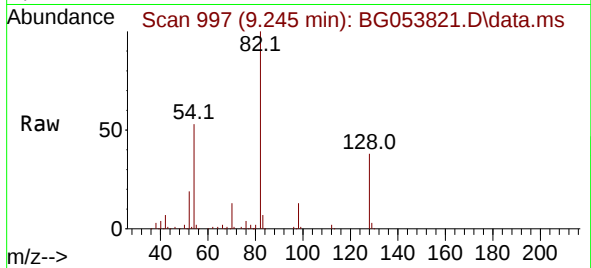




#24
Nitrobenzene
Concen: 3.263 ng
RT: 9.245 min Scan# 91
Delta R.T. -0.050 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

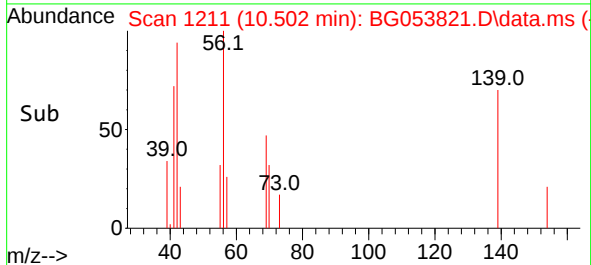
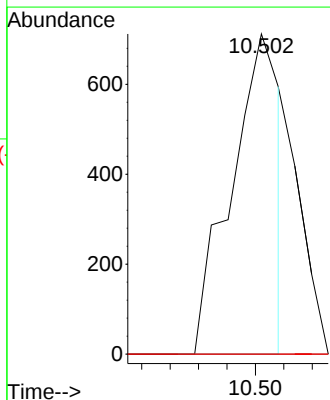
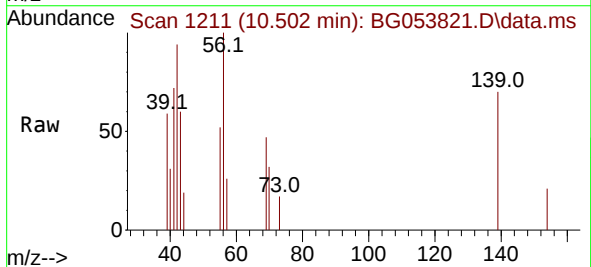
Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

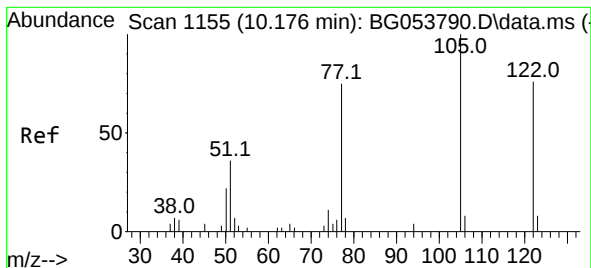
Tgt Ion: 77 Resp: 688
Ion Ratio Lower Upper
77 100
123 0.0 27.4 41.0#
65 0.0 11.4 17.0#



#26
2-Nitrophenol
Concen: 3.939 ng
RT: 10.502 min Scan# 1211
Delta R.T. 0.496 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion: 139 Resp: 855
Ion Ratio Lower Upper
139 100
109 0.0 36.1 54.1#
65 0.0 55.8 83.6#





#32

Benzoic acid

Concen: 6.408 ng

RT: 10.202 min Scan# 1155

Delta R.T. 0.026 min

Lab File: BG053821.D

Acq: 3 Jun 2022 20:16

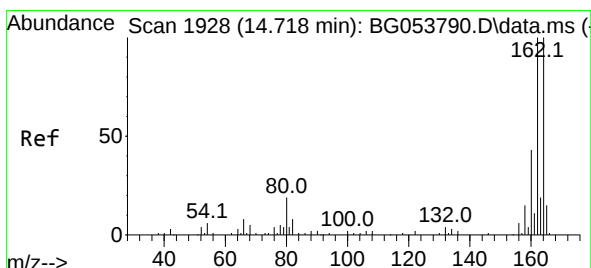
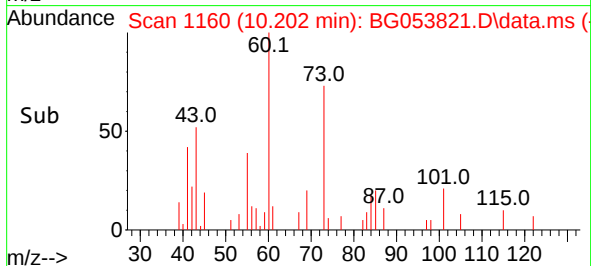
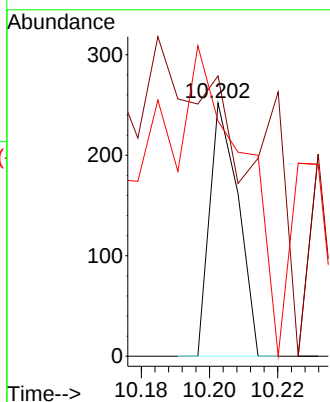
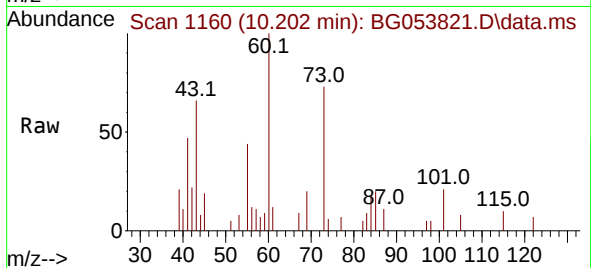
Instrument :

BNA_G

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B

Tgt Ion:122	Resp:	146
Ion	Ratio	Lower Upper
122	100	
105	110.7	111.8 151.8#
77	92.9	109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

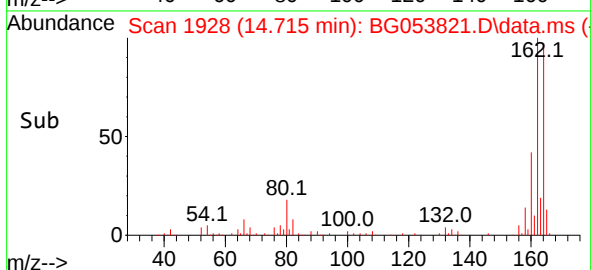
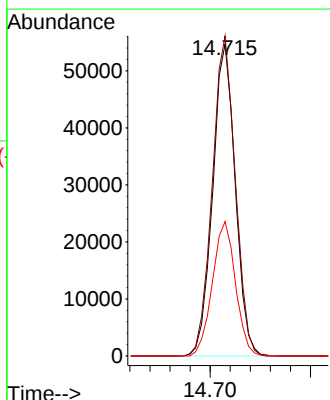
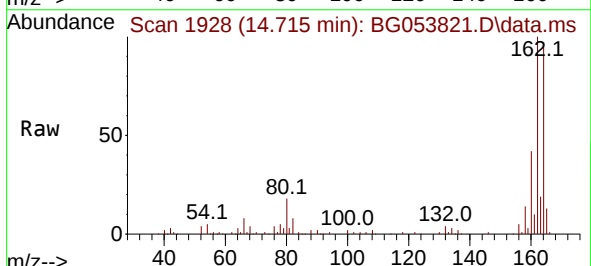
RT: 14.715 min Scan# 1928

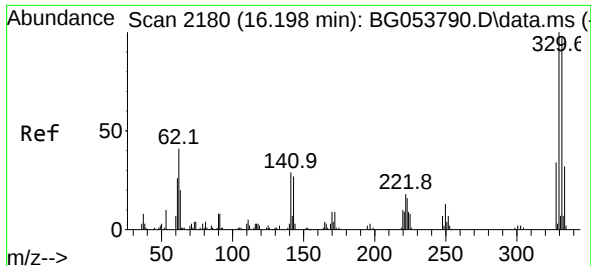
Delta R.T. -0.003 min

Lab File: BG053821.D

Acq: 3 Jun 2022 20:16

Tgt Ion:164	Resp:	84959
Ion	Ratio	Lower Upper
164	100	
162	102.6	82.3 123.5
160	43.1	34.2 51.2

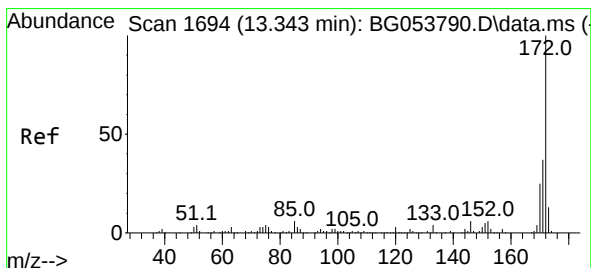
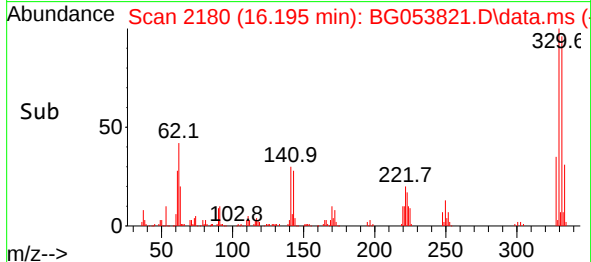
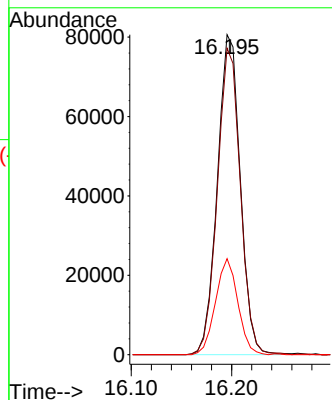
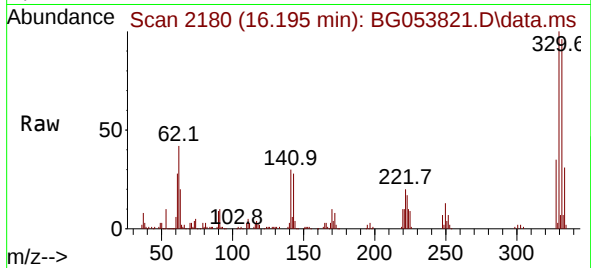




#42
2,4,6-Tribromophenol
Concen: 123.814 ng
RT: 16.195 min Scan# 2180
Delta R.T. -0.003 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

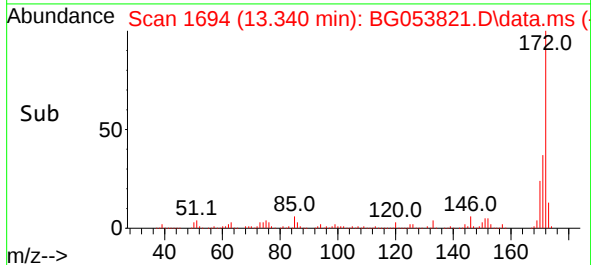
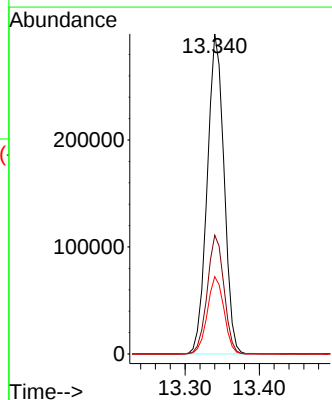
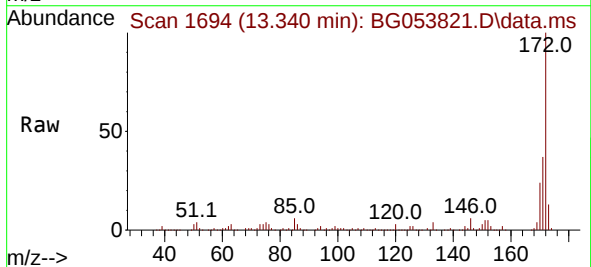
Instrument : BNA_G
ClientSampleId : 20220422-SPLP-AMENDED-COMPOSITE-B

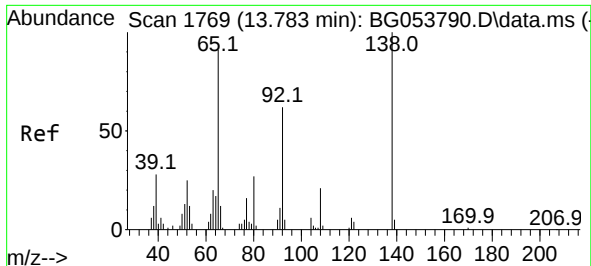
Tgt Ion:330 Resp: 127687
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 29.2 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 82.956 ng
RT: 13.340 min Scan# 1694
Delta R.T. -0.003 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion:172 Resp: 471111
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 24.2 18.9 28.3

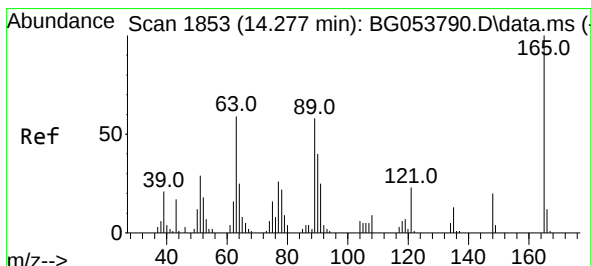
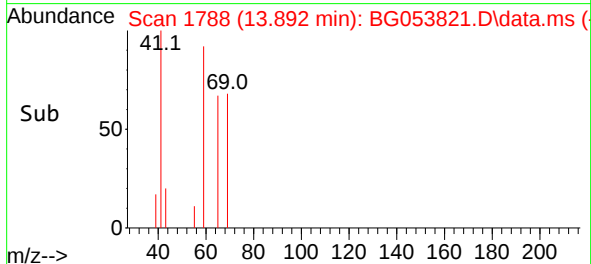
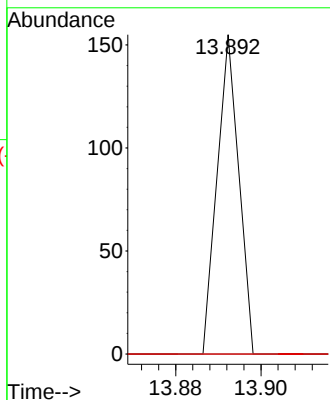
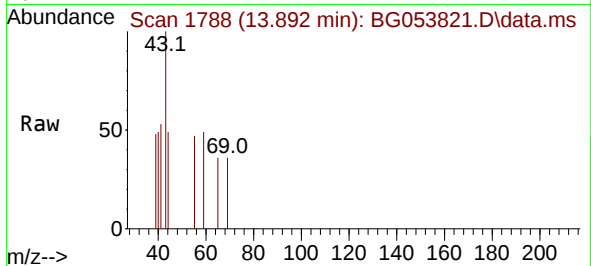




#48
2-Nitroaniline
Concen: 5.082 ng
RT: 13.892 min Scan# 11
Delta R.T. 0.109 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

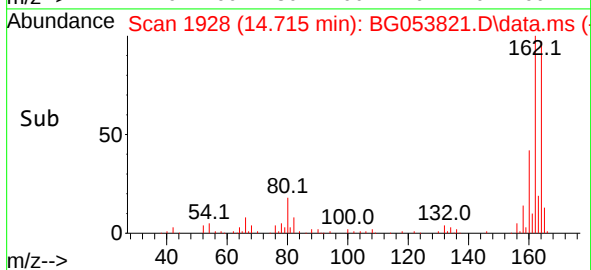
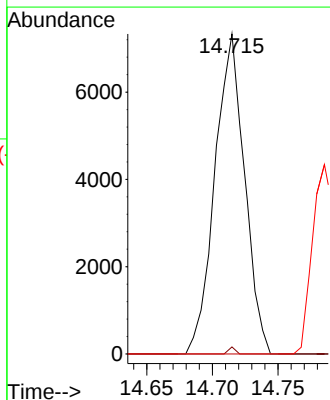
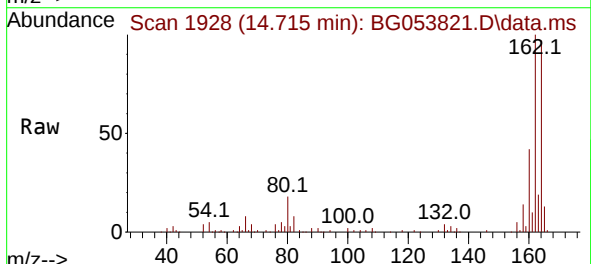
Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

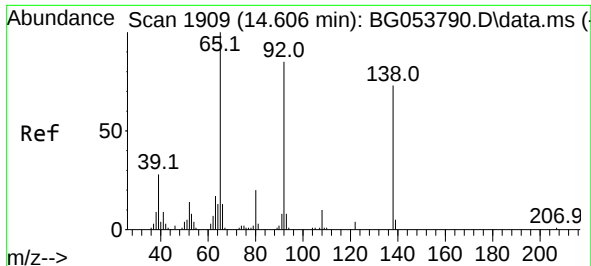
Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 51.5 77.3#
138 0.0 71.3 106.9#



#51
2,6-Dinitrotoluene
Concen: 13.497 ng
RT: 14.715 min Scan# 1928
Delta R.T. 0.438 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion: 165 Resp: 11527
Ion Ratio Lower Upper
165 100
63 2.2 54.1 81.1#
89 0.0 54.8 82.2#

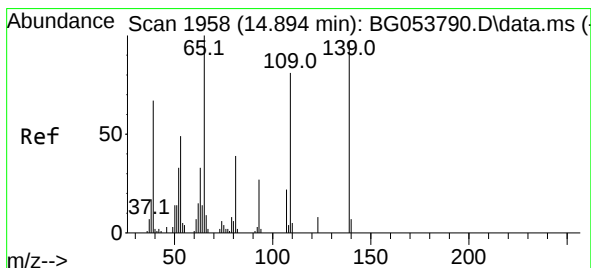
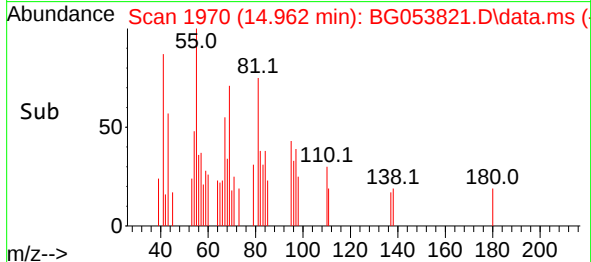
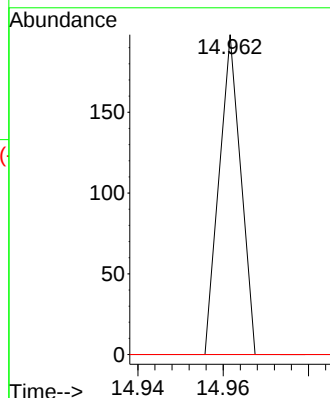
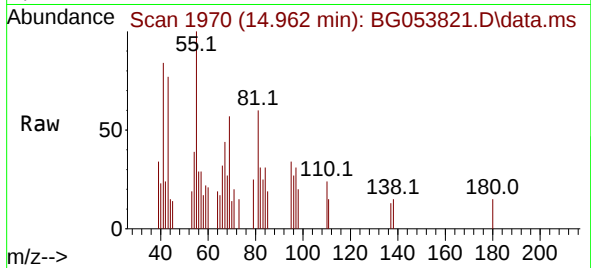




#53
3-Nitroaniline
Concen: 3.839 ng
RT: 14.962 min Scan# 1909
Delta R.T. 0.356 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

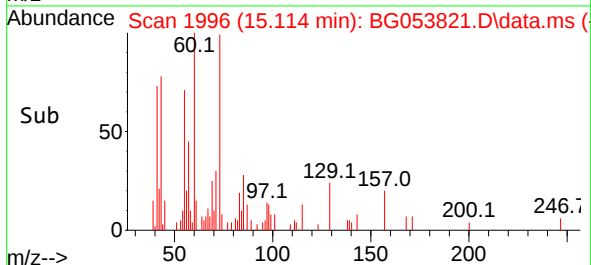
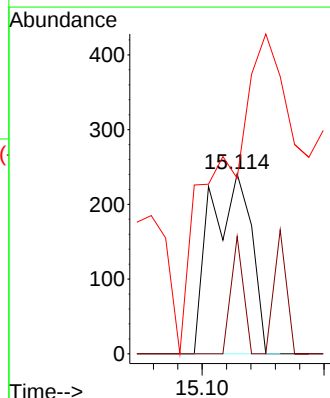
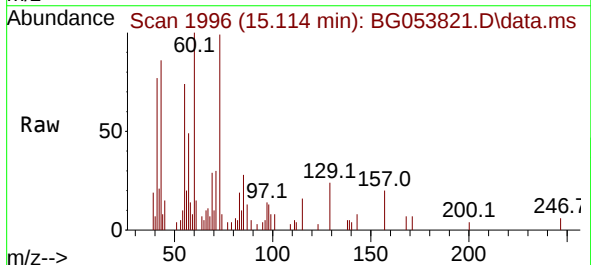
Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

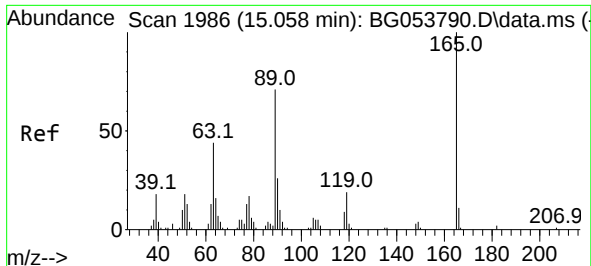
Tgt Ion:138 Resp: 70
Ion Ratio Lower Upper
138 100
108 0.0 9.2 13.8#
92 0.0 101.9 152.9#



#56
4-Nitrophenol
Concen: 4.882 ng
RT: 15.114 min Scan# 1996
Delta R.T. 0.220 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion:139 Resp: 278
Ion Ratio Lower Upper
139 100
109 65.1 88.5 128.5#
65 97.5 93.9 133.9





#57

2,4-Dinitrotoluene

Concen: 11.282 ng

RT: 14.715 min Scan# 1986

Delta R.T. -0.343 min

Lab File: BG053821.D

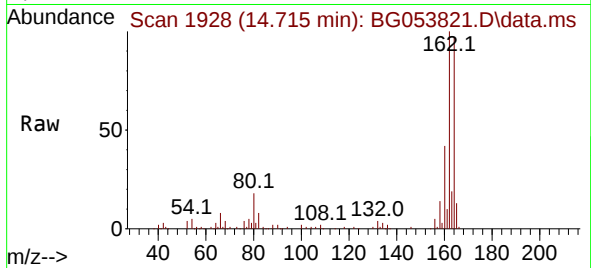
Acq: 3 Jun 2022 20:16

Instrument :

BNA_G

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B



Tgt Ion:165 Resp: 11527

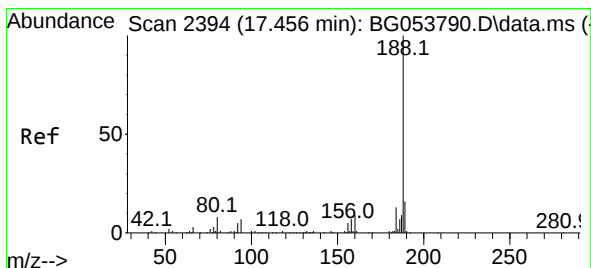
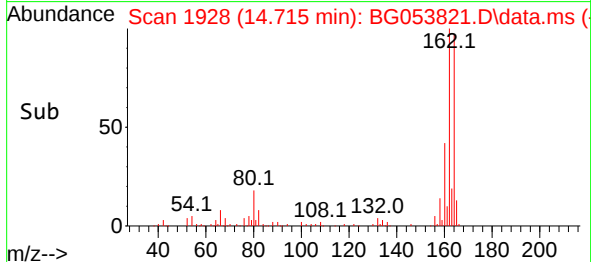
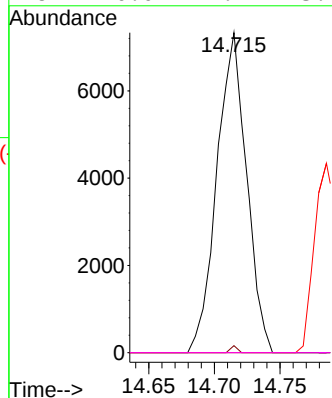
Ion Ratio Lower Upper

165 100

63 2.2 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: 17.459 min Scan# 2395

Delta R.T. 0.003 min

Lab File: BG053821.D

Acq: 3 Jun 2022 20:16

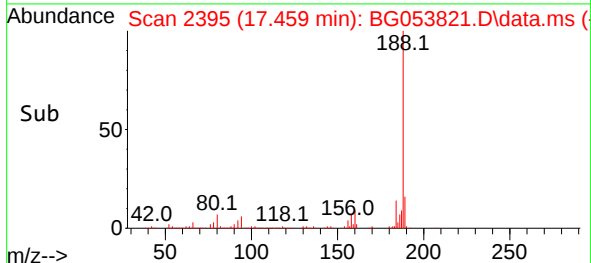
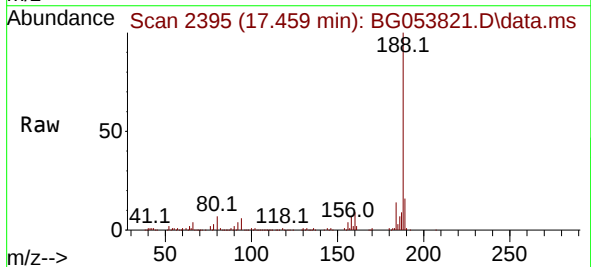
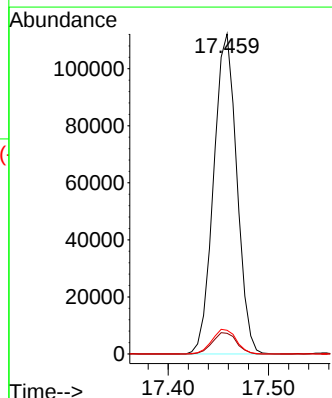
Tgt Ion:188 Resp: 179726

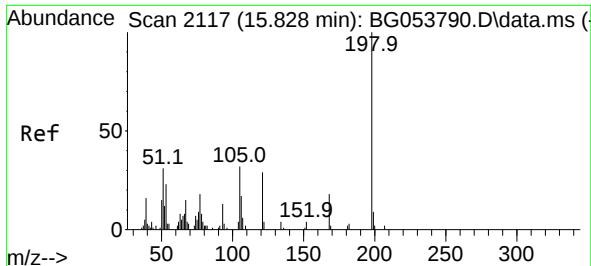
Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.0

80 7.4 6.8 10.2

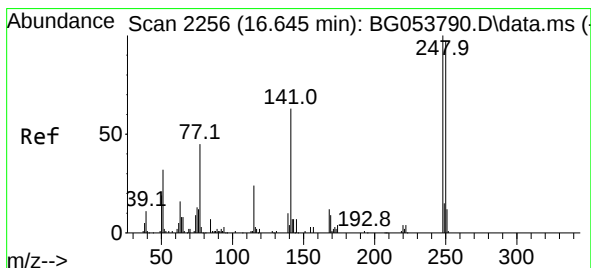
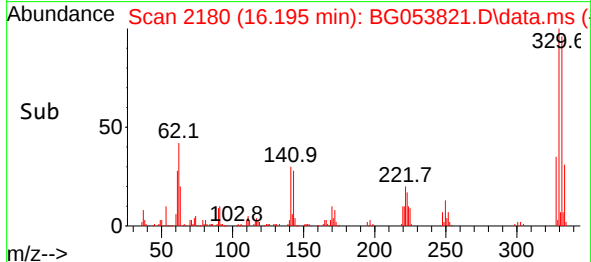
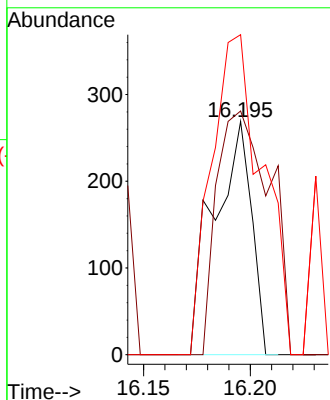
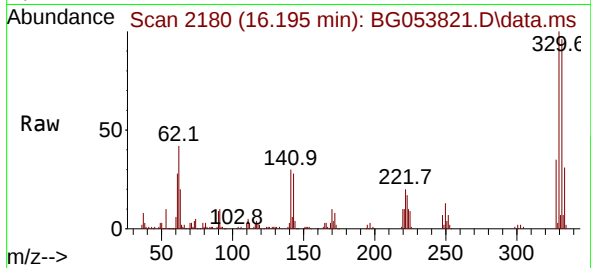




#65
4,6-Dinitro-2-methylphenol
Concen: 6.028 ng
RT: 16.195 min Scan# 2117
Delta R.T. 0.367 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

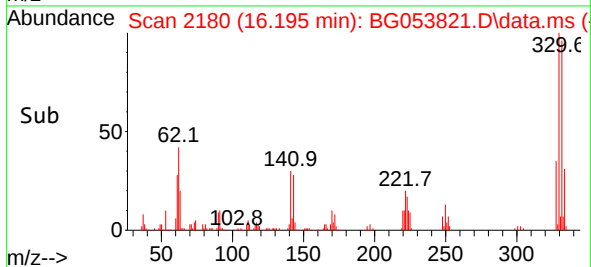
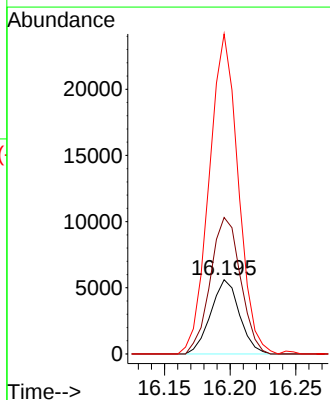
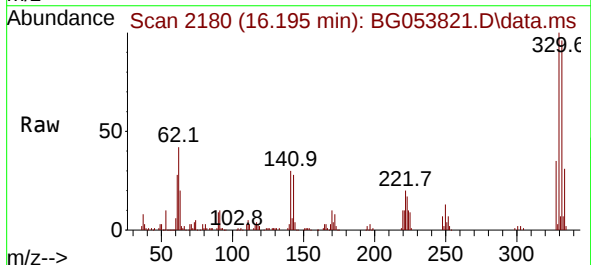
Instrument :
BNA_G
ClientSampleId :
20220422-SPLP-AMENDED-COMPOSITE-B

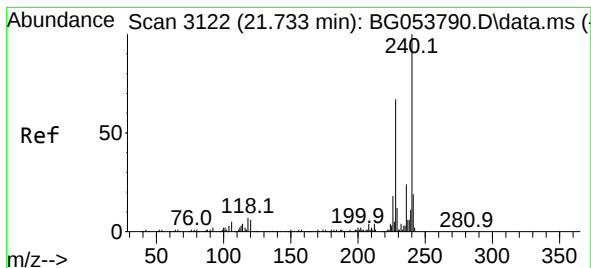
Tgt Ion:198 Resp: 331
Ion Ratio Lower Upper
198 100
51 21.8 28.1 68.1#
105 28.6 20.3 60.3



#67
4-Bromophenyl-phenylether
Concen: 4.374 ng
RT: 16.195 min Scan# 2180
Delta R.T. -0.449 min
Lab File: BG053821.D
Acq: 3 Jun 2022 20:16

Tgt Ion:248 Resp: 8541
Ion Ratio Lower Upper
248 100
250 181.2 75.2 112.8#
141 328.7 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.736 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG053821.D

Acq: 3 Jun 2022 20:16

Instrument :

BNA_G

ClientSampleId :

20220422-SPLP-AMENDED-COMPOSITE-B

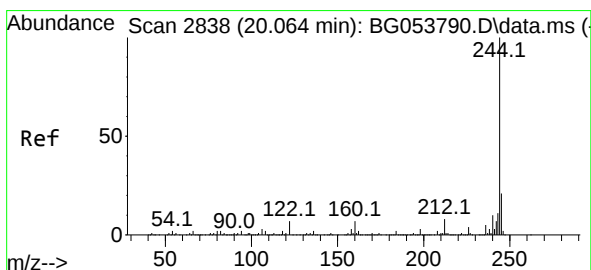
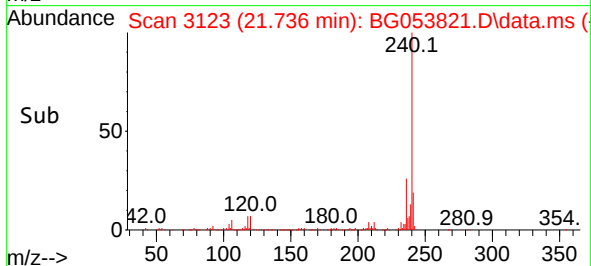
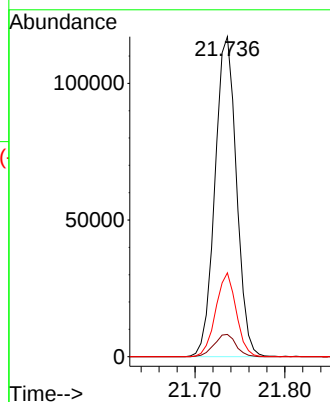
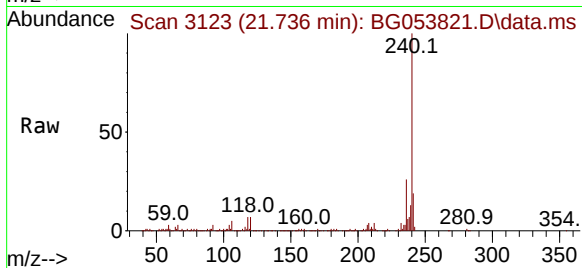
Tgt Ion:240 Resp: 194362

Ion Ratio Lower Upper

240 100

120 7.0 4.6 7.0#

236 26.2 20.2 30.4



#79

Terphenyl-d14

Concen: 81.689 ng

RT: 20.067 min Scan# 2839

Delta R.T. 0.003 min

Lab File: BG053821.D

Acq: 3 Jun 2022 20:16

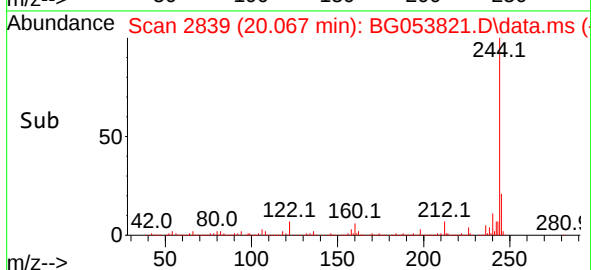
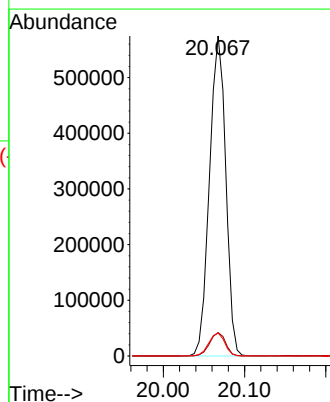
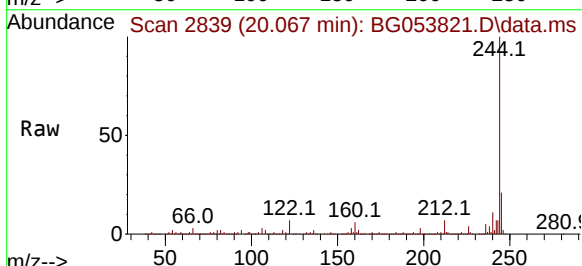
Tgt Ion:244 Resp: 798086

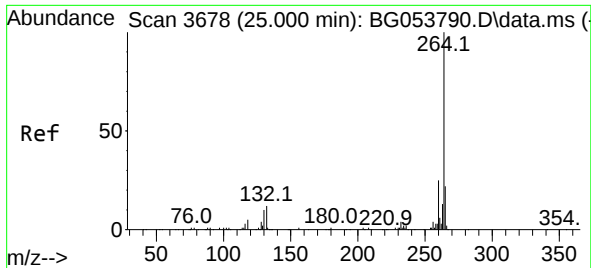
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

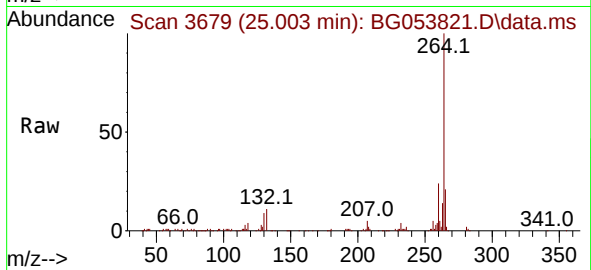
122 7.2 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: BG053821.D
 Acq: 3 Jun 2022 20:16

Instrument :
 BNA_G
 ClientSampleId :
 20220422-SPLP-AMENDED-COMPOSITE-B



Tgt Ion:264 Resp: 200535
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 20.9 17.4 26.2

