

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032222\
 Data File : BG052783.D
 Acq On : 22 Mar 2022 13:21
 Operator : CG/JU
 Sample : N1974-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-3

Quant Time: Mar 22 16:38:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

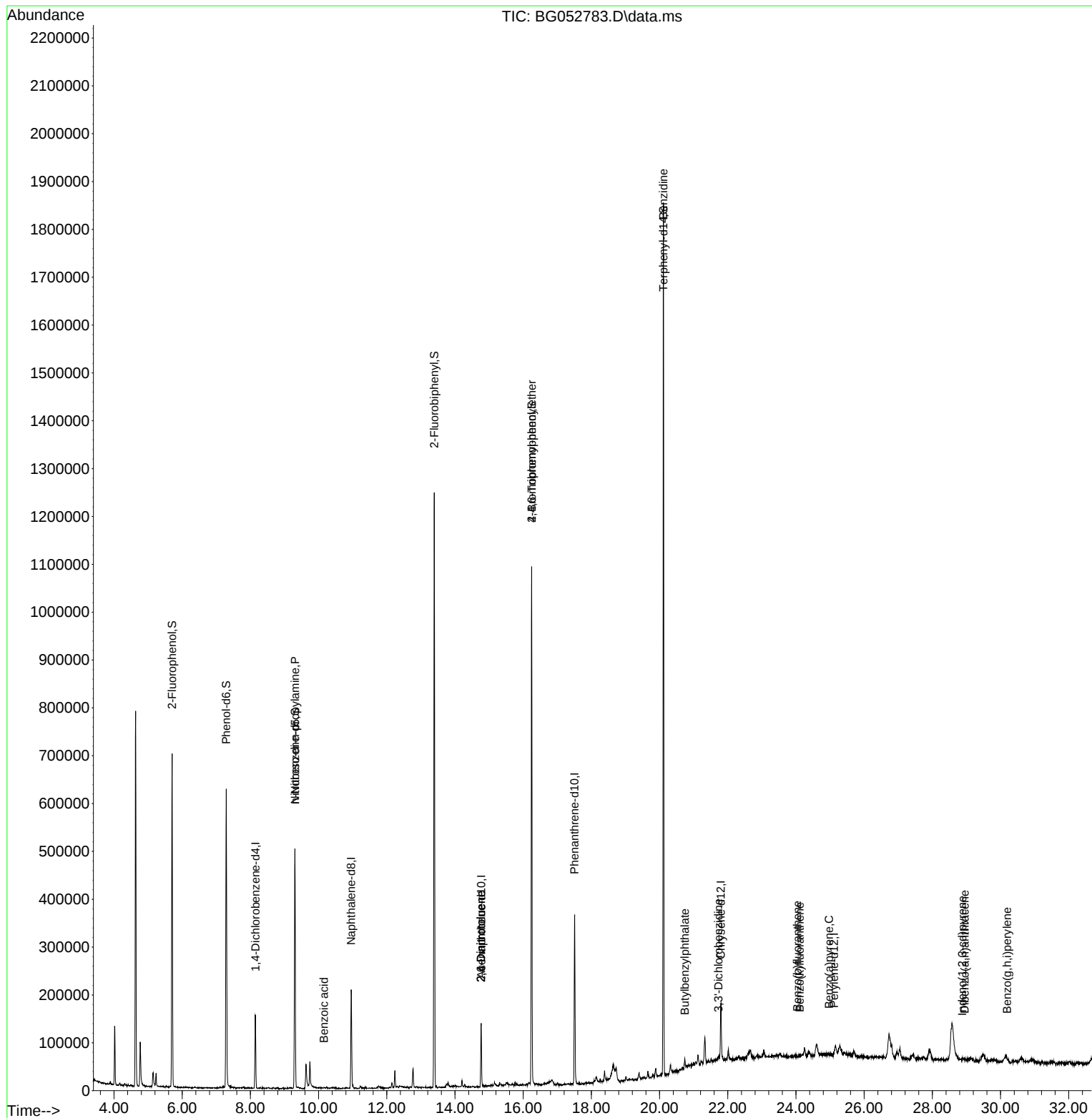
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	41471	20.000	ng	-0.01
21) Naphthalene-d8	10.955	136	167689	20.000	ng	#-0.02
39) Acenaphthene-d10	14.767	164	38562	20.000	ng	0.00
64) Phenanthrene-d10	17.505	188	182779	20.000	ng	#-0.01
76) Chrysene-d12	21.793	240	40140	20.000	ng	#-0.02
86) Perylene-d12	25.118	264	66	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	284955	119.663	ng	0.00
7) Phenol-d6	7.289	99	205523	57.247	ng	0.00
23) Nitrobenzene-d5	9.304	82	320317	95.873	ng	-0.01
42) 2,4,6-Tribromophenol	16.247	330	208316	402.023	ng	-0.01
45) 2-Fluorobiphenyl	13.392	172	676504	258.737	ng	-0.01
79) Terphenyl-d14	20.113	244	730445	323.705	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.277	77	1444	Below Cal	#	55
19) n-Nitroso-di-n-propyla...	9.304	70	46289	18.205	ng	# 77
32) Benzoic acid	10.156	122	555	5.951	ng	# 47
51) 2,6-Dinitrotoluene	14.761	165	4638	9.585	ng	# 31
57) 2,4-Dinitrotoluene	14.761	165	4638	6.908	ng	# 29
67) 4-Bromophenyl-phenylether	16.247	248	13939	6.325	ng	# 1
77) Benzidine	20.107	184	14115	13.634	ng	# 87
80) Butylbenzylphthalate	20.741	149	2658	2.691	ng	# 36
82) 3,3'-Dichlorobenzidine	21.728	252	8554	9.012	ng	# 25
87) Indeno(1,2,3-cd)pyrene	28.877	276	134	29.662	ng	# 36
88) Benzo(b)fluoranthene	24.037	252	65	15.861	ng	# 1
89) Benzo(k)fluoranthene	24.107	252	64	15.873	ng	# 12
90) Benzo(a)pyrene	24.971	252	65	18.738	ng	# 1
91) Dibenzo(a,h)anthracene	28.948	278	62	16.656	ng	# 59
92) Benzo(g,h,i)perylene	30.193	276	81	21.992	ng	# 59

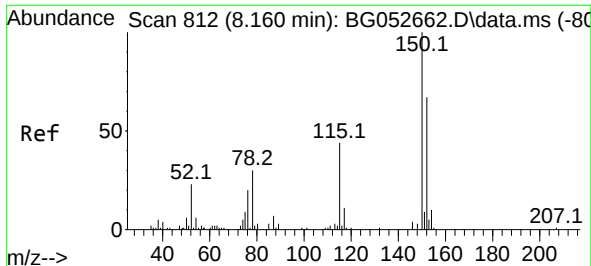
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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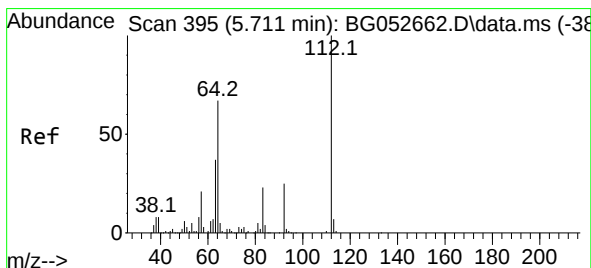
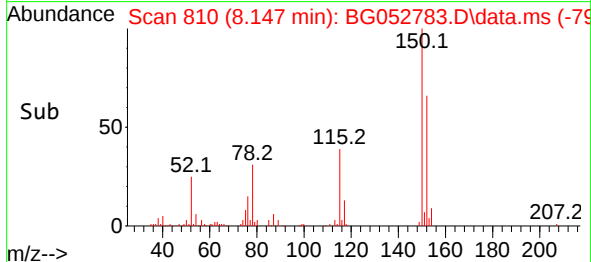
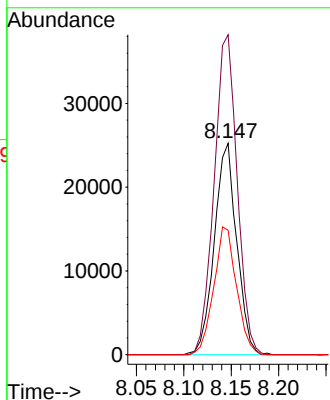
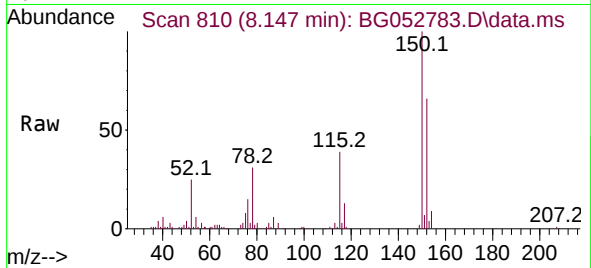




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

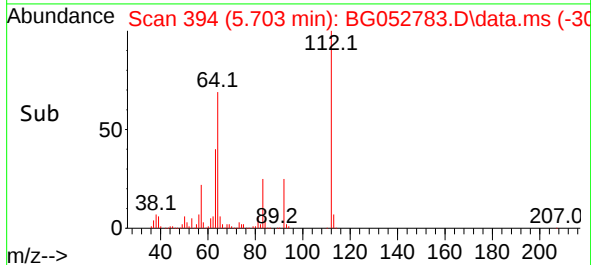
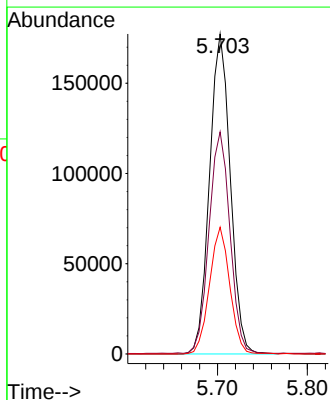
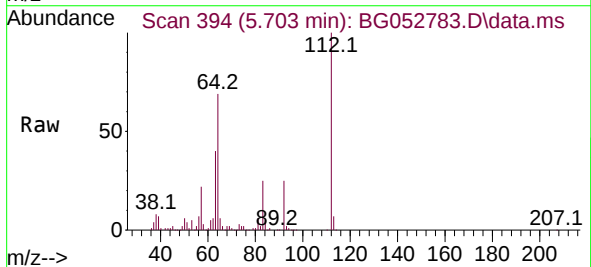
Instrument :
BNA_G
ClientSampleId :
B-3

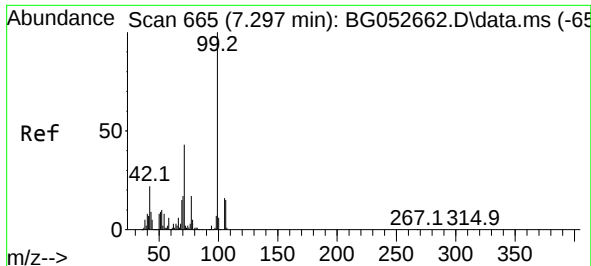
Tgt Ion:152 Resp: 41471
Ion Ratio Lower Upper
152 100
150 151.4 114.6 172.0
115 58.9 45.9 68.9



#5
2-Fluorophenol
Concen: 119.663 ng
RT: 5.703 min Scan# 394
Delta R.T. -0.008 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion:112 Resp: 284955
Ion Ratio Lower Upper
112 100
64 69.4 48.0 72.0
63 39.6 26.5 39.7

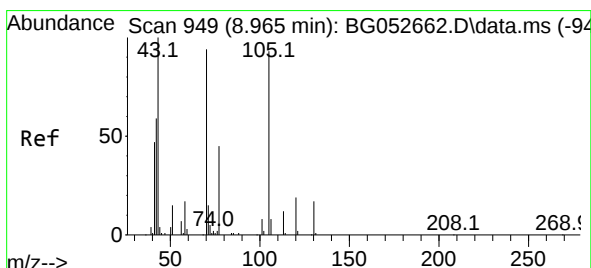
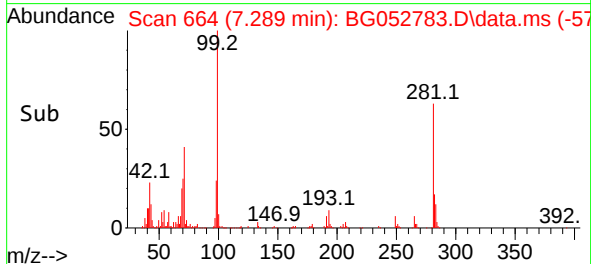
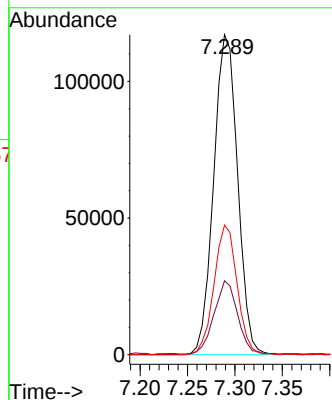
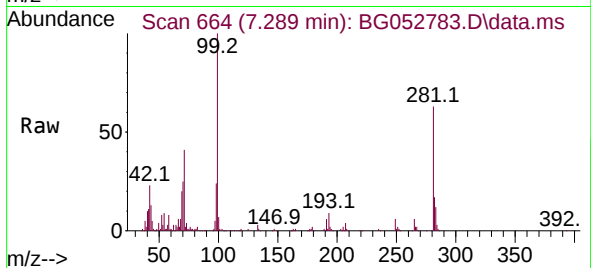




#7
Phenol-d6
Concen: 57.247 ng
RT: 7.289 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

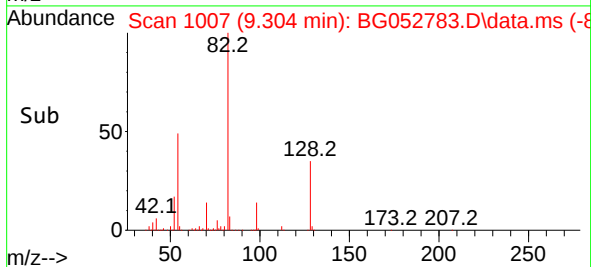
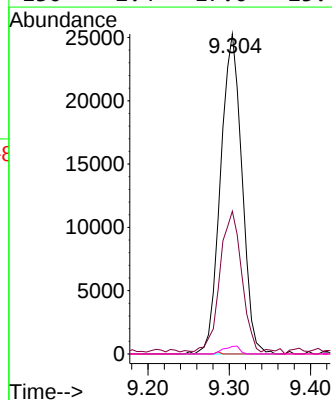
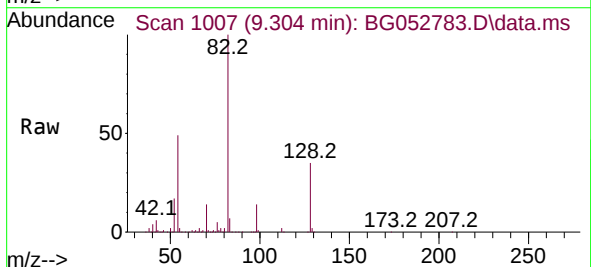
Instrument :
BNA_G
ClientSampleId :
B-3

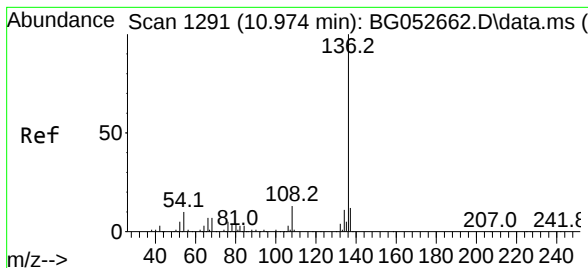
Tgt Ion: 99 Resp: 205523
Ion Ratio Lower Upper
99 100
42 23.1 14.7 22.1#
71 40.5 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.205 ng
RT: 9.304 min Scan# 1007
Delta R.T. 0.339 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion: 70 Resp: 46289
Ion Ratio Lower Upper
70 100
42 44.6 46.0 69.0#
101 0.0 6.2 9.4#
130 2.4 17.0 25.4#

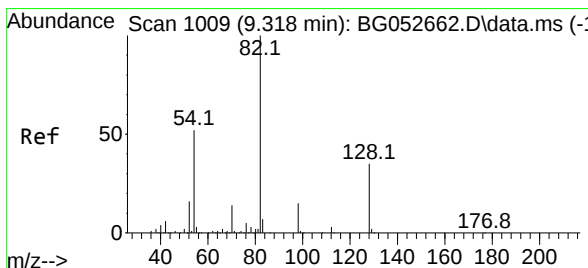
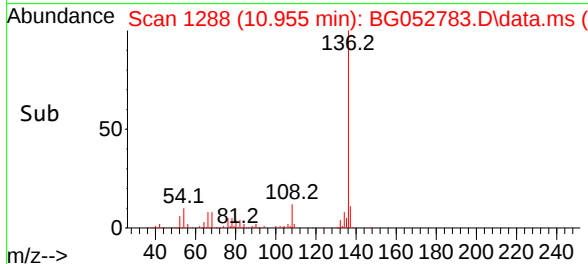
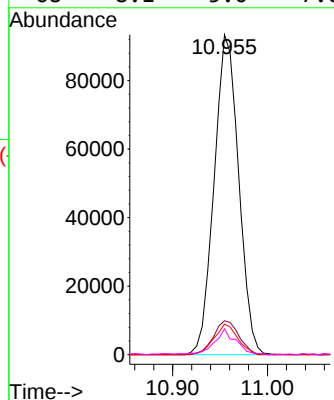
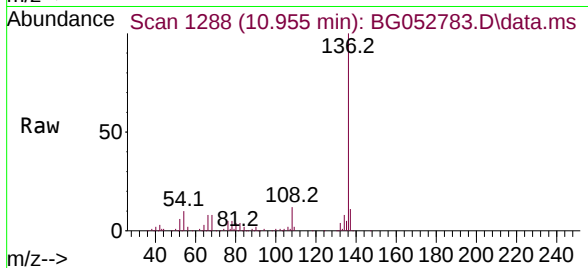




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1007
Delta R.T. -0.019 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

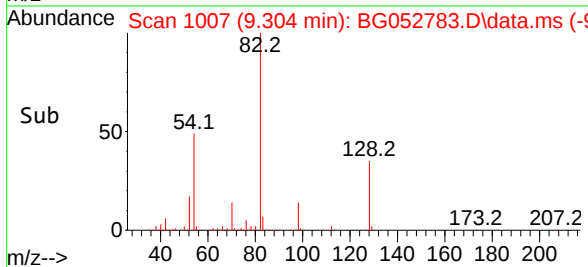
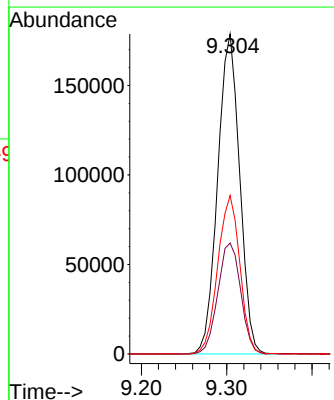
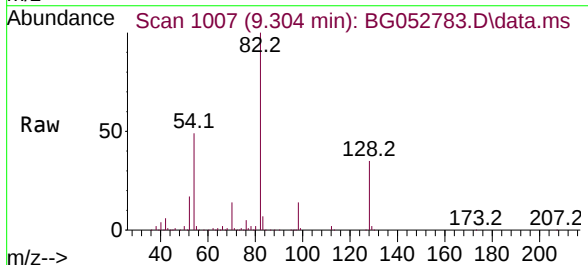
Instrument :
BNA_G
ClientSampleId :
B-3

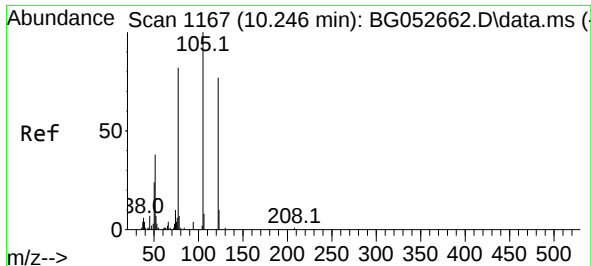
Tgt Ion:136 Resp: 167689
Ion Ratio Lower Upper
136 100
137 10.6 9.4 14.2
54 9.6 6.4 9.6
68 8.1 5.0 7.6#



#23
Nitrobenzene-d5
Concen: 95.873 ng
RT: 9.304 min Scan# 1007
Delta R.T. -0.014 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion: 82 Resp: 320317
Ion Ratio Lower Upper
82 100
128 34.7 31.3 46.9
54 49.5 37.8 56.8

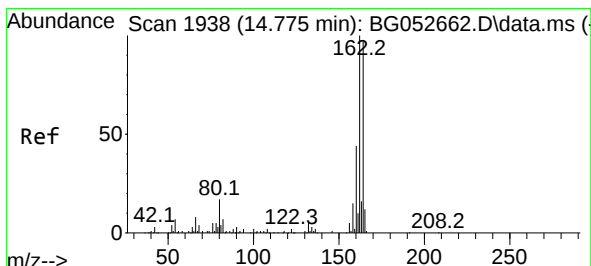
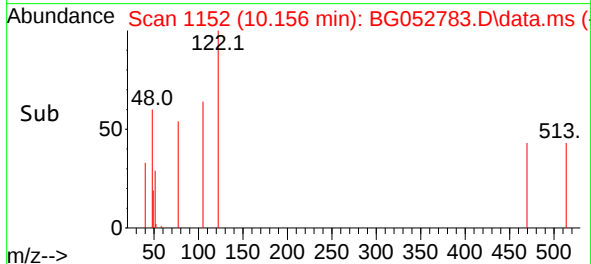
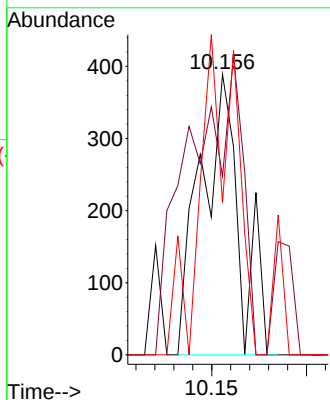
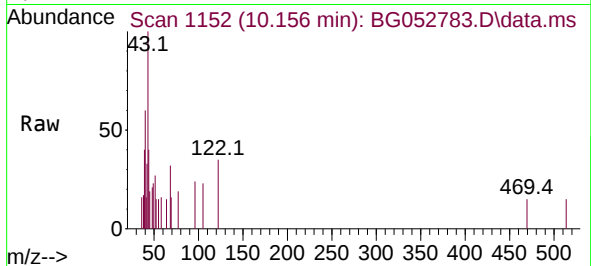




#32
Benzoic acid
Concen: 5.951 ng
RT: 10.156 min Scan# 1167
Delta R.T. -0.090 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

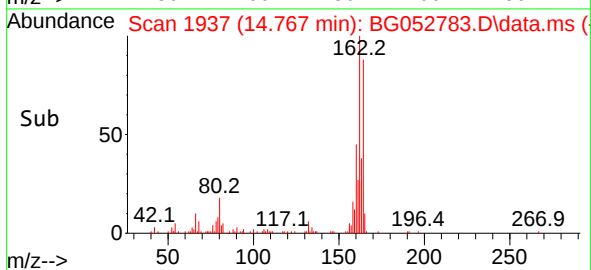
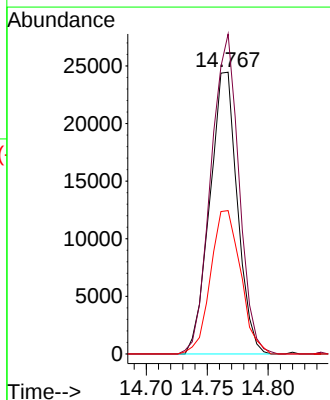
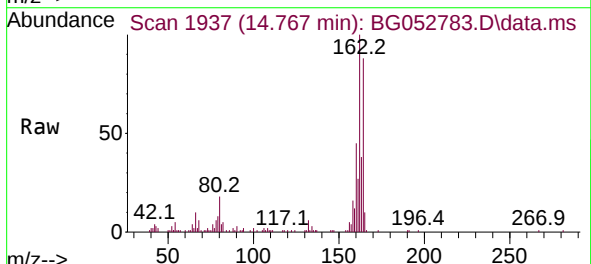
Instrument :
BNA_G
ClientSampleId :
B-3

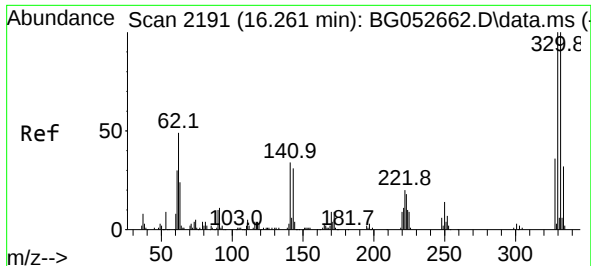
Tgt Ion:122 Resp: 555
Ion Ratio Lower Upper
122 100
105 63.8 112.8 152.8#
77 54.2 78.4 118.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.767 min Scan# 1937
Delta R.T. -0.008 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion:164 Resp: 38562
Ion Ratio Lower Upper
164 100
162 113.5 80.0 120.0
160 50.9 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 402.023 ng

RT: 16.247 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Instrument :

BNA_G

ClientSampleId :

B-3

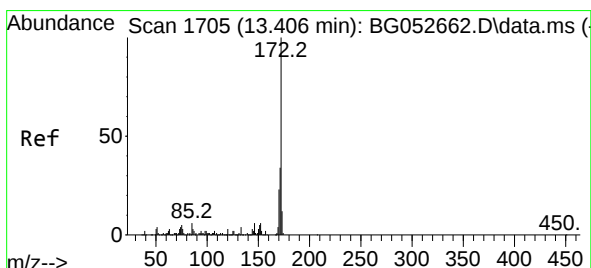
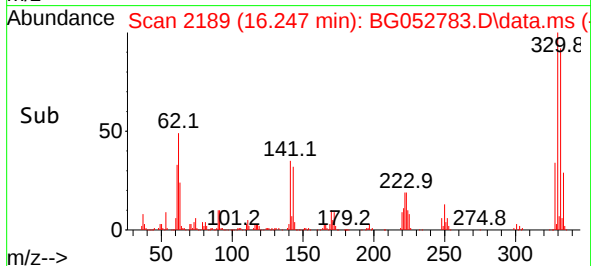
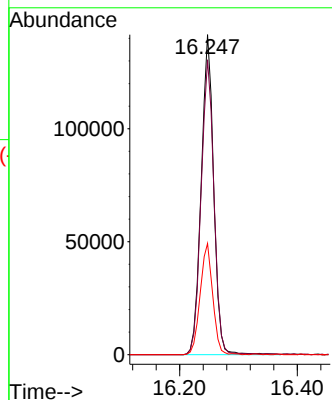
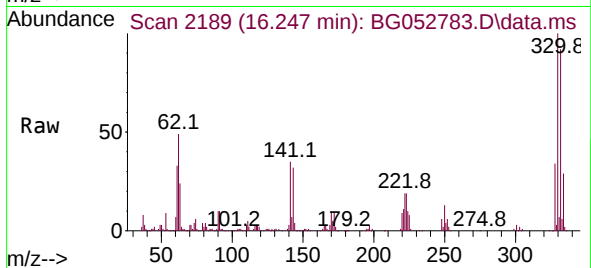
Tgt Ion:330 Resp: 208316

Ion Ratio Lower Upper

330 100

332 94.7 75.8 113.6

141 34.9 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 258.737 ng

RT: 13.392 min Scan# 1703

Delta R.T. -0.014 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

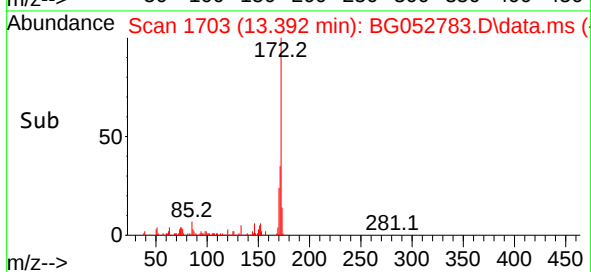
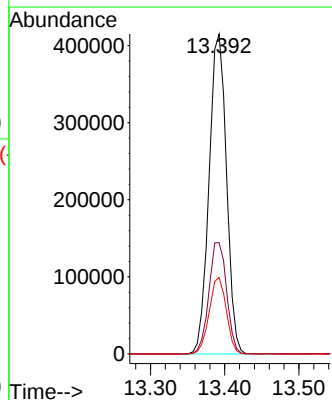
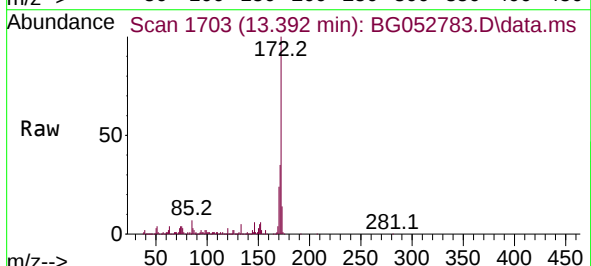
Tgt Ion:172 Resp: 676504

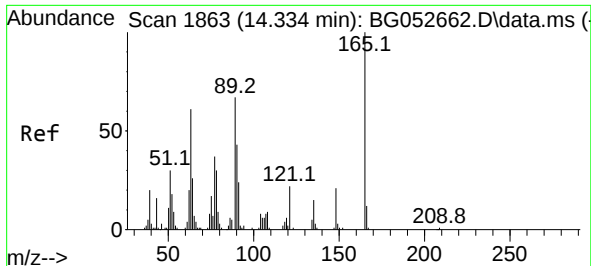
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.9 18.0 27.0

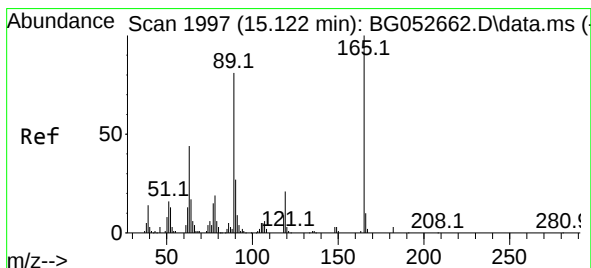
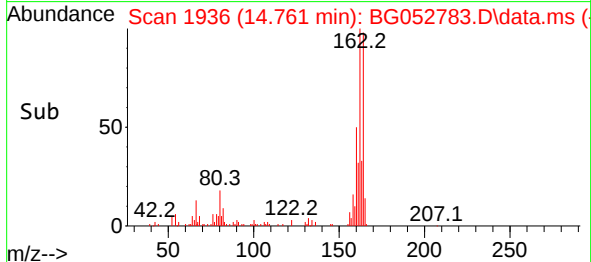
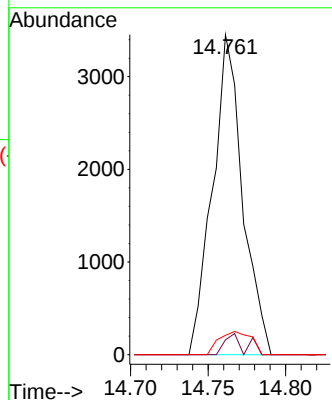
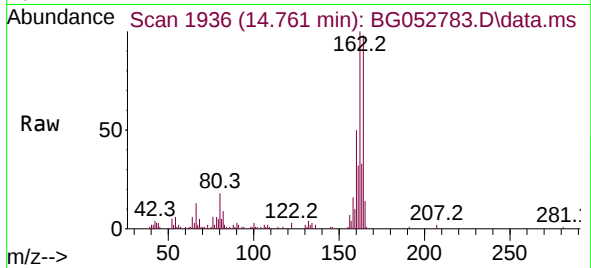




#51
2,6-Dinitrotoluene
Concen: 9.585 ng
RT: 14.761 min Scan# 1936
Delta R.T. 0.427 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

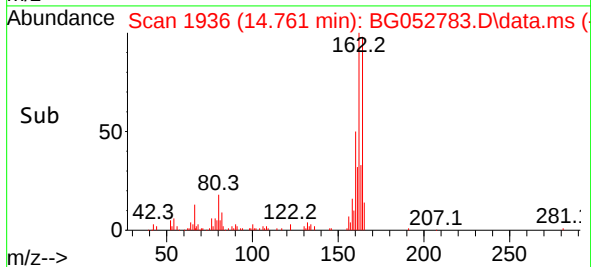
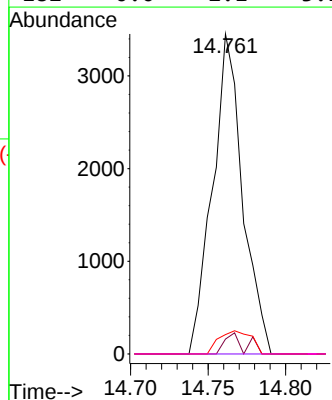
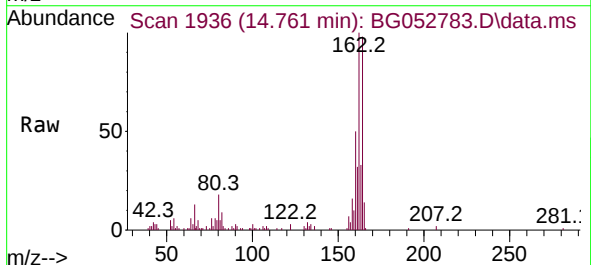
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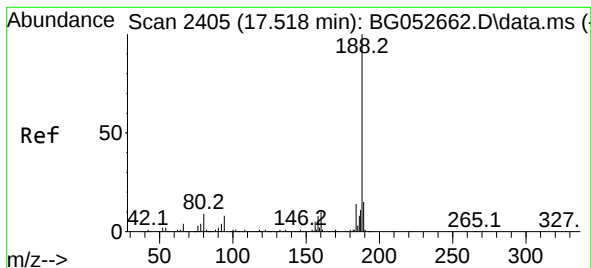
Tgt Ion:165 Resp: 4638
Ion Ratio Lower Upper
165 100
63 4.7 43.7 65.5#
89 6.1 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 6.908 ng
RT: 14.761 min Scan# 1936
Delta R.T. -0.360 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion:165 Resp: 4638
Ion Ratio Lower Upper
165 100
63 4.7 34.8 52.2#
89 6.1 57.4 86.0#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.505 min Scan# 2405

Delta R.T. -0.014 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Instrument :

BNA_G

ClientSampleId :

B-3

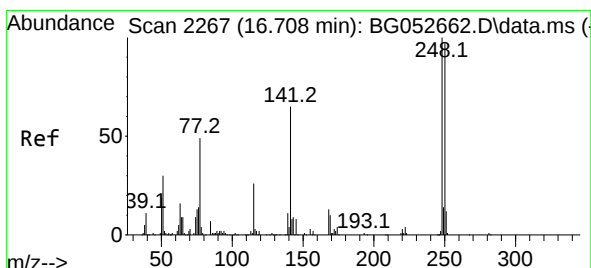
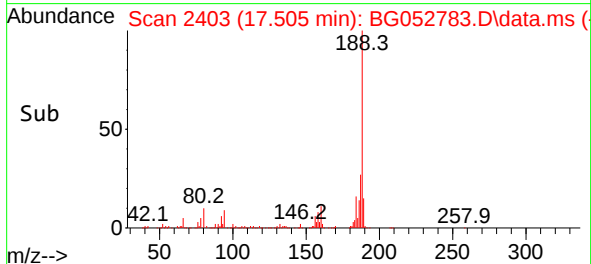
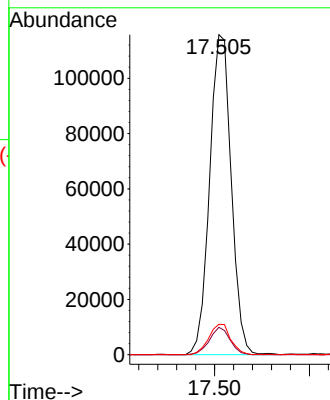
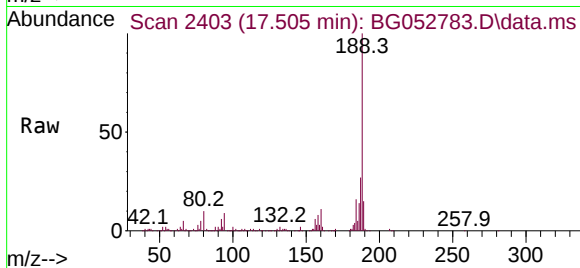
Tgt Ion:188 Resp: 182779

Ion Ratio Lower Upper

188 100

94 8.6 5.7 8.5#

80 9.5 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 6.325 ng

RT: 16.247 min Scan# 2189

Delta R.T. -0.460 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

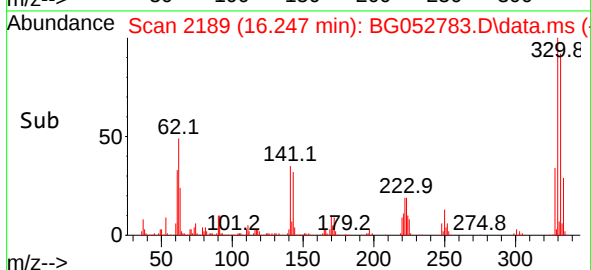
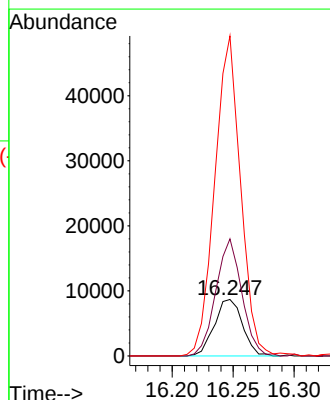
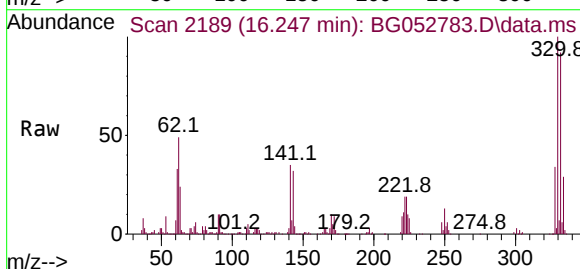
Tgt Ion:248 Resp: 13939

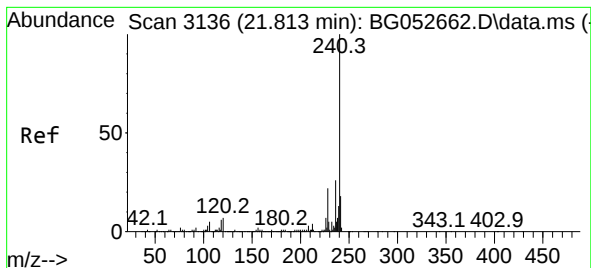
Ion Ratio Lower Upper

248 100

250 207.0 77.9 116.9#

141 565.8 49.2 73.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.793 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

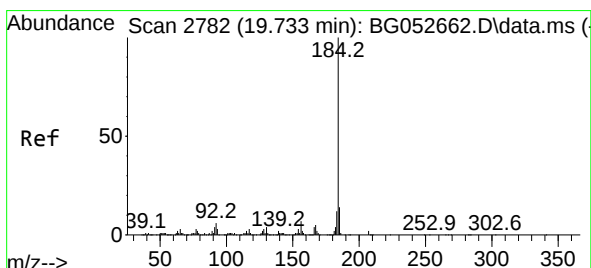
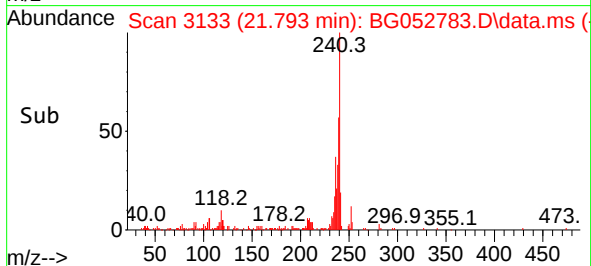
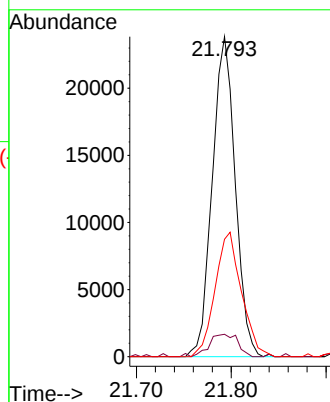
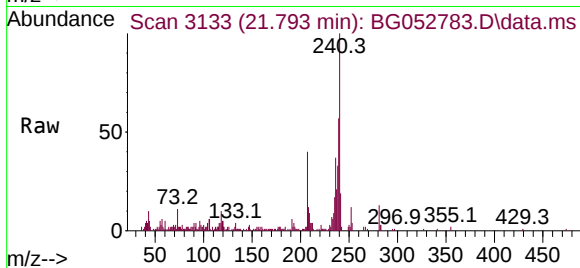
Instrument :

BNA_G

ClientSampleId :

B-3

Tgt Ion:240	Resp:	40140
Ion Ratio	Lower	Upper
240	100	
120	7.0	5.4 8.0
236	36.7	19.8 29.6#



#77

Benzidine

Concen: 13.634 ng

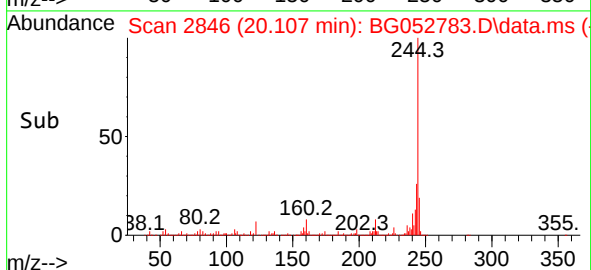
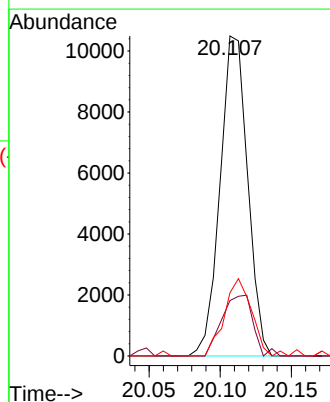
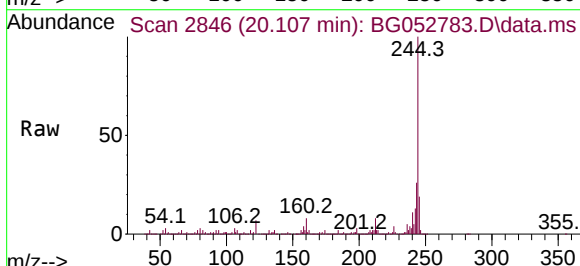
RT: 20.107 min Scan# 2846

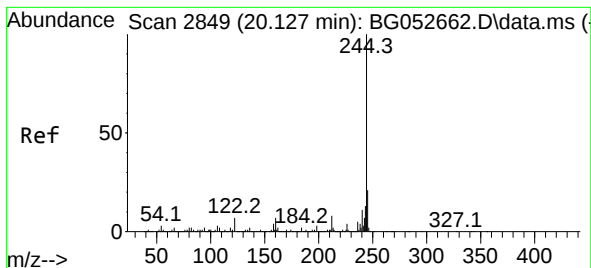
Delta R.T. 0.374 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Tgt Ion:184	Resp:	14115
Ion Ratio	Lower	Upper
184	100	
185	17.3	11.5 17.3#
183	19.8	9.4 14.2#





#79

Terphenyl-d14

Concen: 323.705 ng

RT: 20.113 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Instrument :

BNA_G

ClientSampleId :

B-3

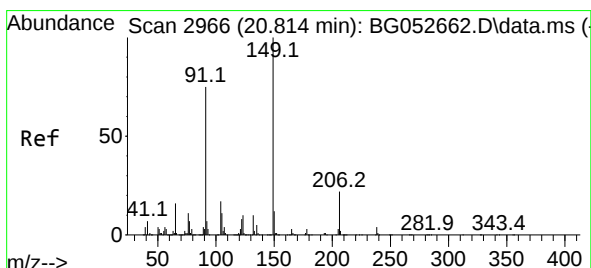
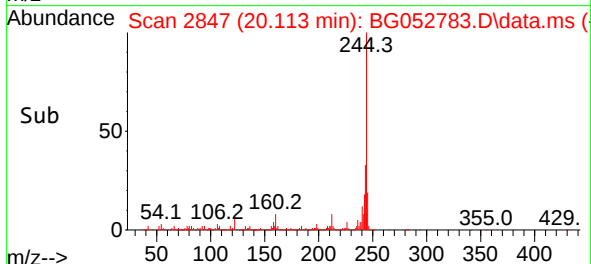
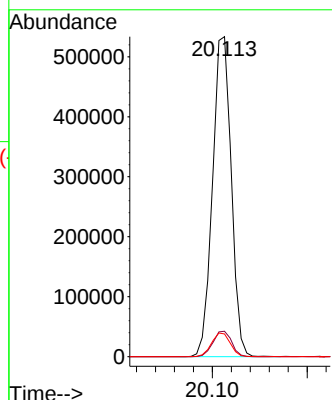
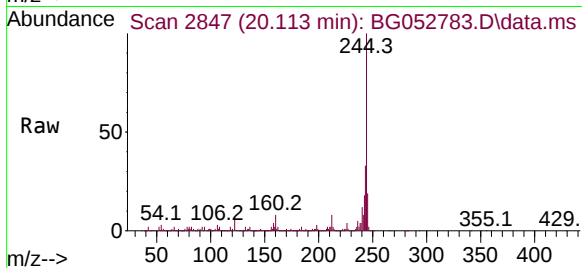
Tgt Ion:244 Resp: 730445

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

122 7.1 5.8 8.6



#80

Butylbenzylphthalate

Concen: 2.691 ng

RT: 20.741 min Scan# 2954

Delta R.T. -0.073 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

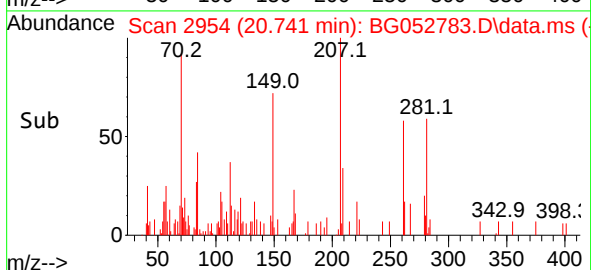
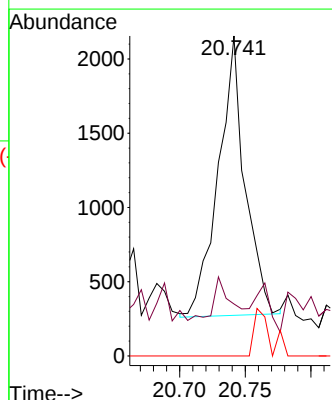
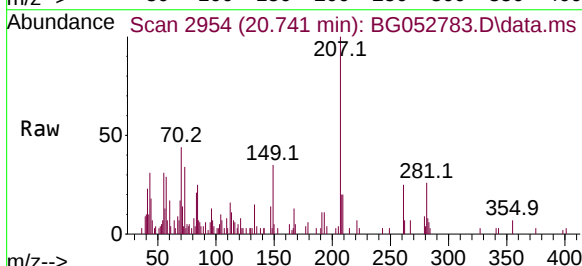
Tgt Ion:149 Resp: 2658

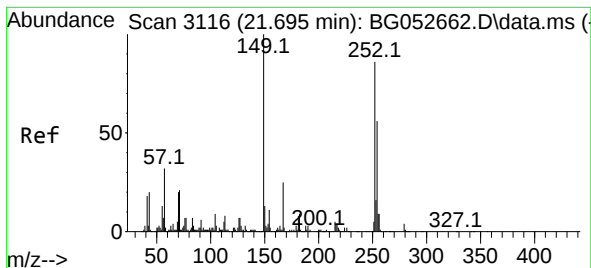
Ion Ratio Lower Upper

149 100

91 16.2 60.2 90.4#

206 0.0 19.4 29.2#





#82

3,3'-Dichlorobenzidine

Concen: 9.012 ng

RT: 21.728 min Scan# 3116

Delta R.T. 0.033 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

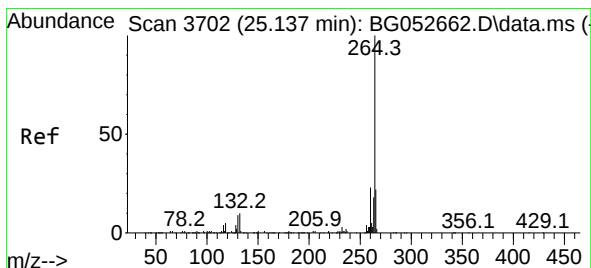
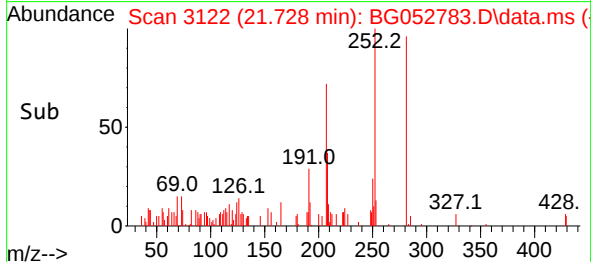
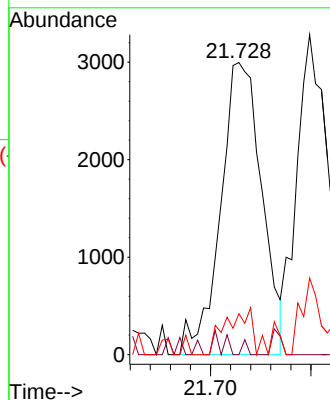
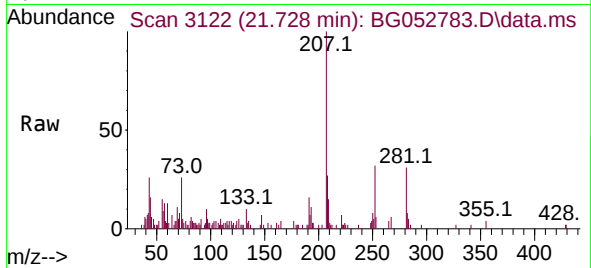
Instrument :

BNA_G

ClientSampleId :

B-3

Tgt Ion:252 Resp: 8554
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.2 76.8#
 126 14.0 5.8 8.8#



#86

Perylene-d12

Concen: 20.000 ng

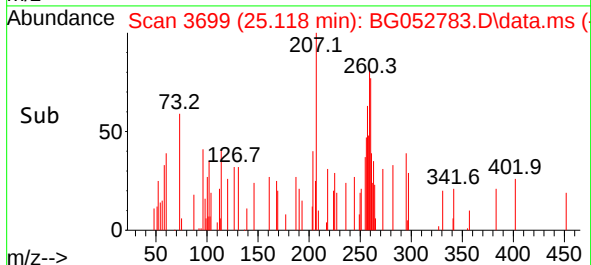
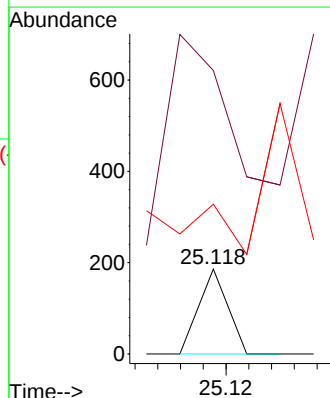
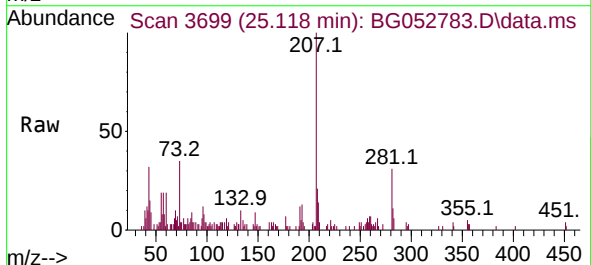
RT: 25.118 min Scan# 3699

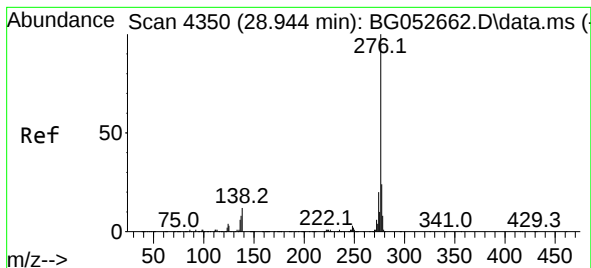
Delta R.T. -0.020 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Tgt Ion:264 Resp: 66
 Ion Ratio Lower Upper
 264 100
 260 333.9 18.2 27.2#
 265 176.3 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 29.662 ng

RT: 28.877 min Scan# 41

Delta R.T. -0.067 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

Instrument :

BNA_G

ClientSampleId :

B-3

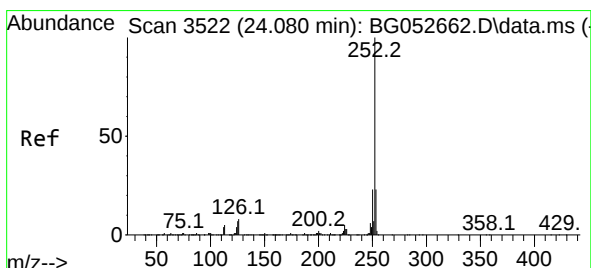
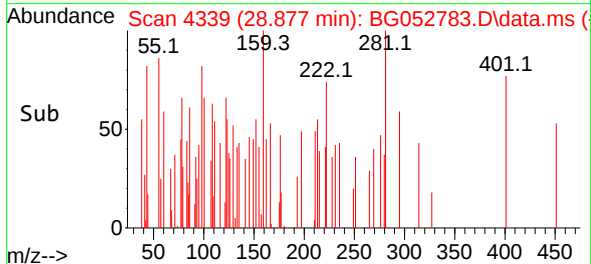
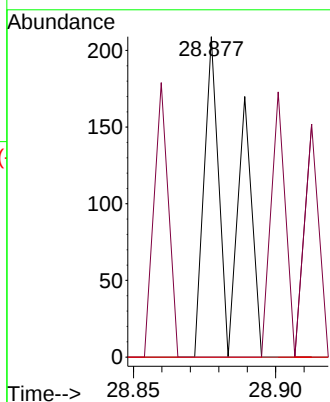
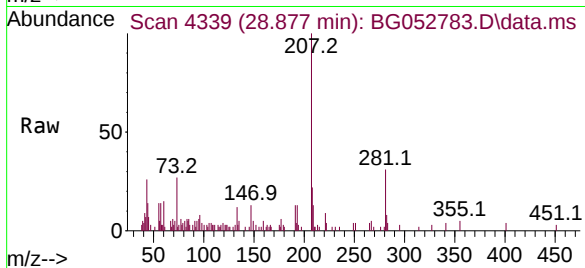
Tgt Ion:276 Resp: 134

Ion Ratio Lower Upper

276 100

138 47.0 8.7 13.1#

277 0.0 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 15.861 ng

RT: 24.037 min Scan# 3515

Delta R.T. -0.043 min

Lab File: BG052783.D

Acq: 22 Mar 2022 13:21

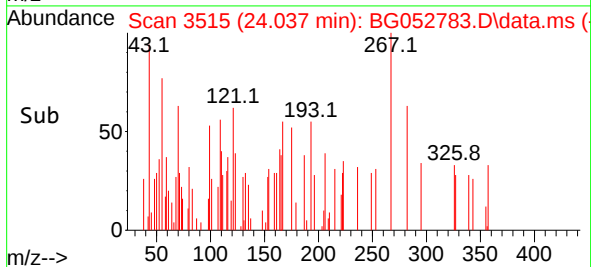
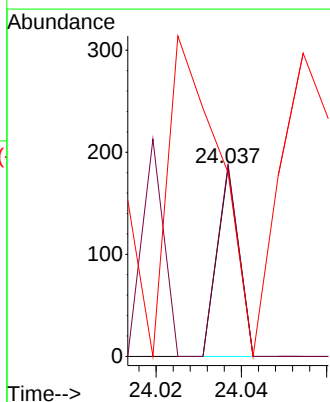
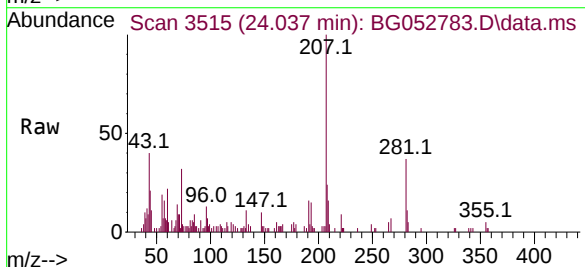
Tgt Ion:252 Resp: 65

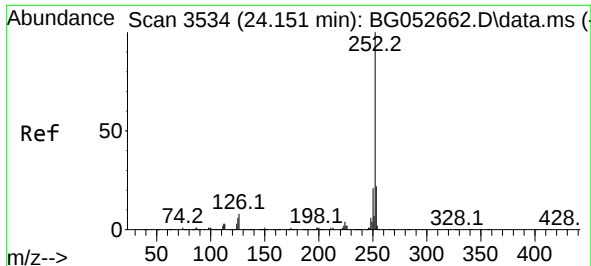
Ion Ratio Lower Upper

252 100

253 101.6 17.2 25.8#

125 97.3 5.2 7.8#

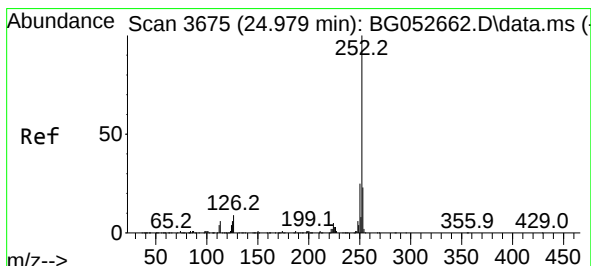
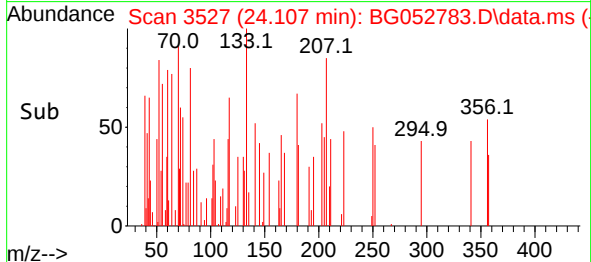
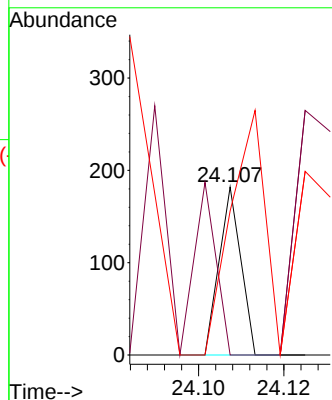
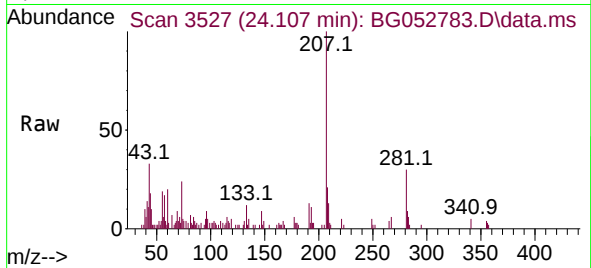




#89
Benzo(k)fluoranthene
Concen: 15.873 ng
RT: 24.107 min Scan# 31
Delta R.T. -0.043 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

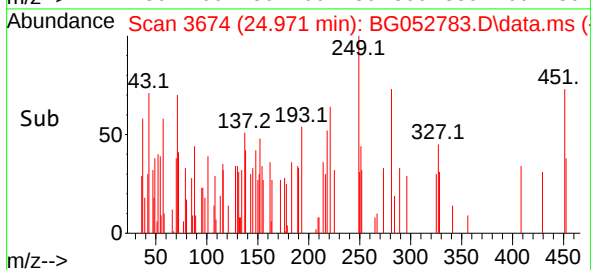
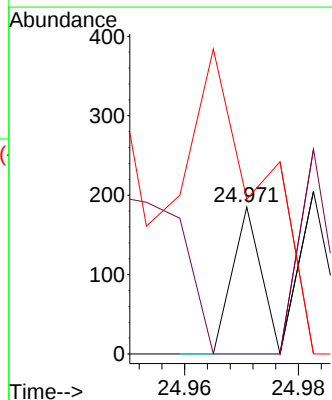
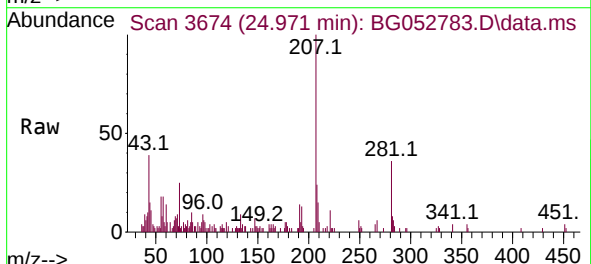
Instrument :
BNA_G
ClientSampleId :
B-3

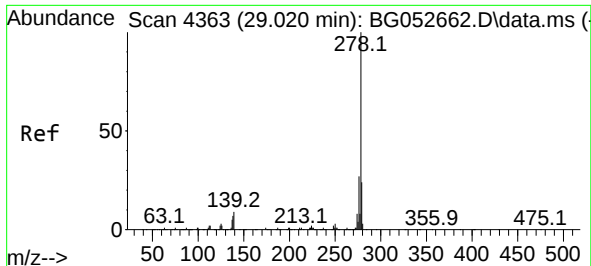
Tgt Ion:252 Resp: 64
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.0#
125 85.7 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 18.738 ng
RT: 24.971 min Scan# 3674
Delta R.T. -0.008 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion:252 Resp: 65
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 105.4 5.6 8.4#

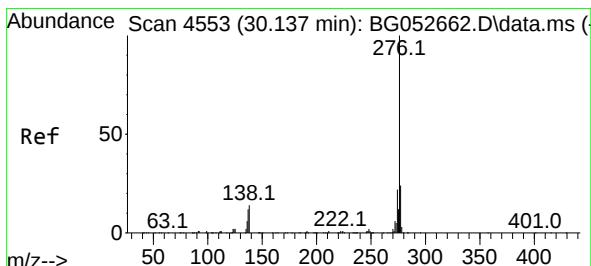
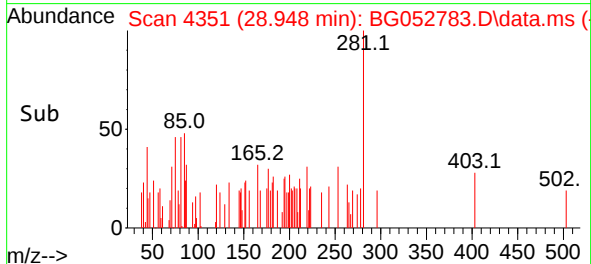
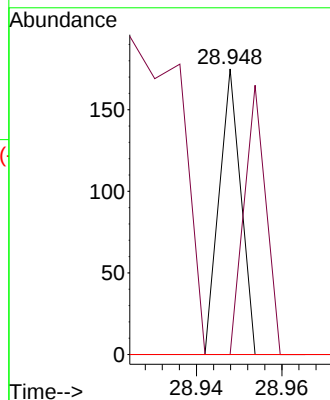
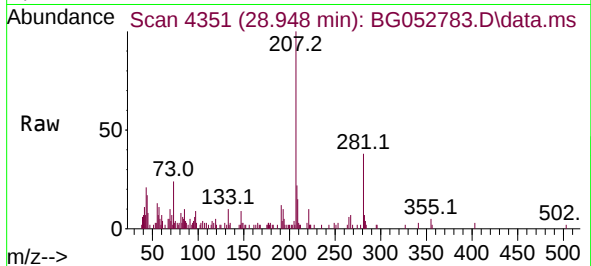




#91
Dibenzo(a,h)anthracene
Concen: 16.656 ng
RT: 28.948 min Scan# 41
Delta R.T. -0.073 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Instrument :
BNA_G
ClientSampleId :
B-3

Tgt Ion:278 Resp: 62
Ion Ratio Lower Upper
278 100
139 0.0 7.8 11.6#
279 0.0 18.5 27.7#



#92
Benzo(g,h,i)perylene
Concen: 21.992 ng
RT: 30.193 min Scan# 4563
Delta R.T. 0.057 min
Lab File: BG052783.D
Acq: 22 Mar 2022 13:21

Tgt Ion:276 Resp: 81
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.2#
138 0.0 9.1 13.7#

