

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054593.D
 Acq On : 10 Aug 2022 18:10
 Operator : CG/JU
 Sample : N3972-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPN-4

Quant Time: Aug 10 21:45:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

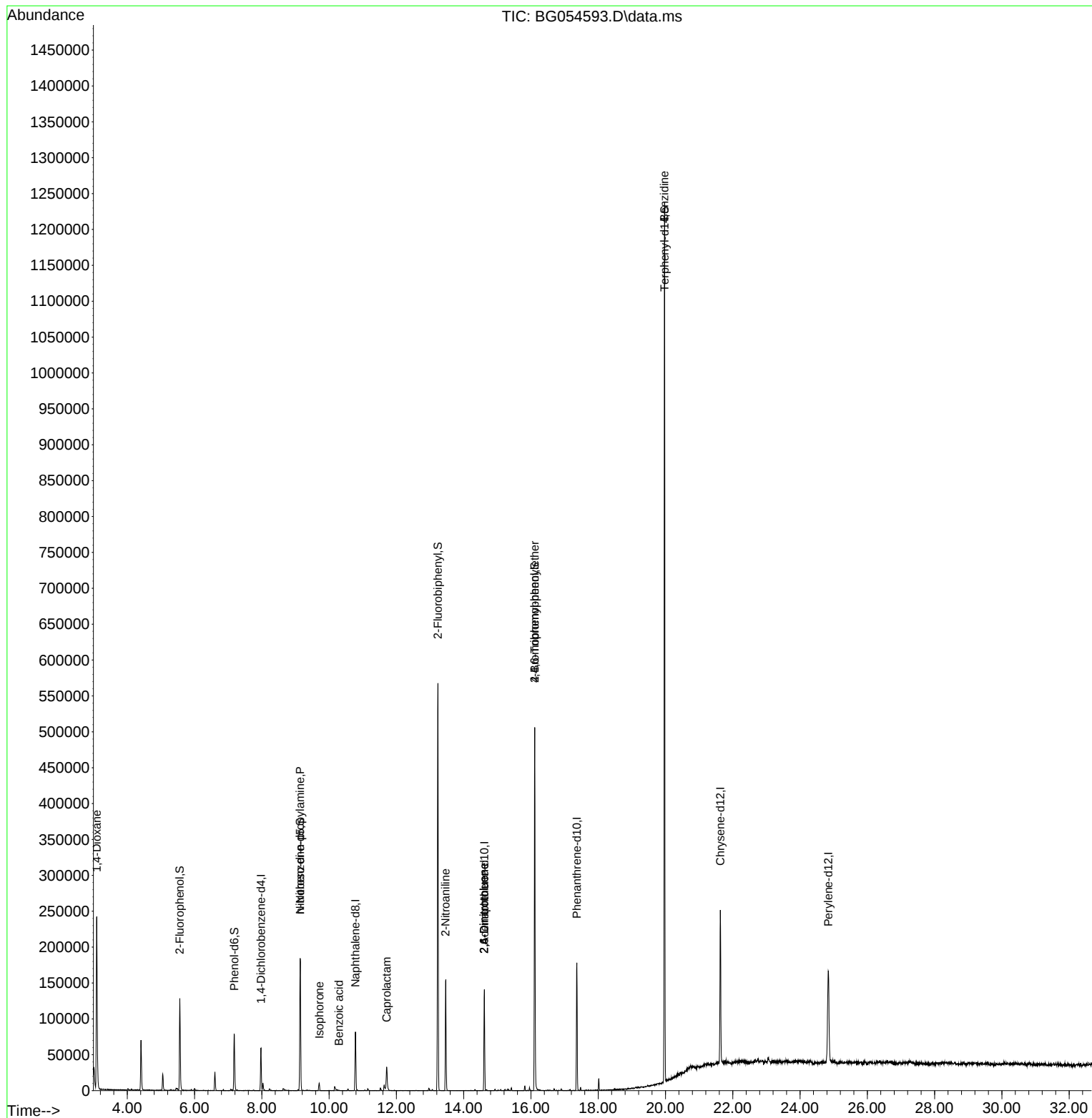
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	18946	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	72315	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	54332	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	134204	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	149721	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	158792	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	59667	65.754	ng	0.00
7) Phenol-d6	7.183	99	47149	37.919	ng	0.00
23) Nitrobenzene-d5	9.140	82	115268	86.803	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	134022	117.484	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	329908	85.658	ng	0.00
79) Terphenyl-d14	19.974	244	698609	92.566	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.094	88	2777	7.692	ng	# 1
19) n-Nitroso-di-n-propyla...	9.140	70	16465	19.830	ng	# 81
25) Isophorone	9.710	82	8251	3.573	ng	# 91
32) Benzoic acid	10.297	122	128	7.969	ng	# 1
35) Caprolactam	11.713	113	6764	19.694	ng	# 87
48) 2-Nitroaniline	13.464	65	5069	6.244	ng	# 21
51) 2,6-Dinitrotoluene	14.610	165	7074	7.600	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	7074	5.301	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7683	4.076	ng	# 1
77) Benzidine	19.968	184	9532	3.515	ng	# 92

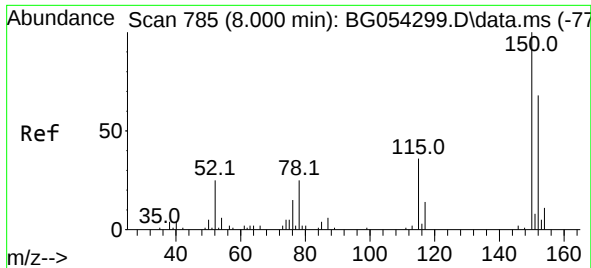
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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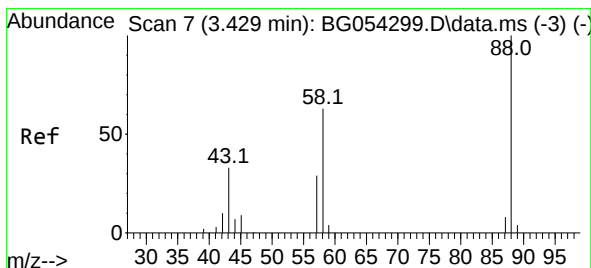
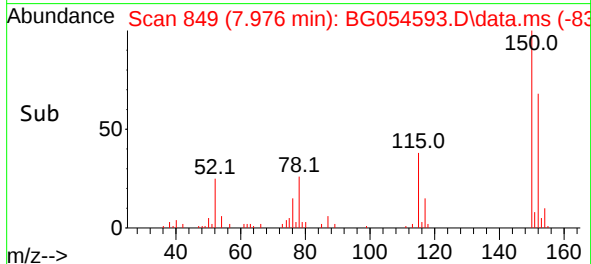
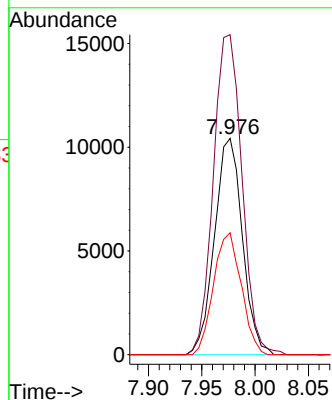
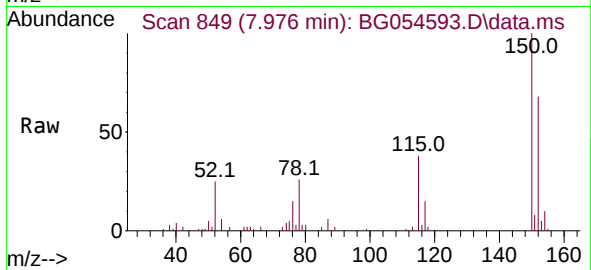




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. 0.004 min
 Lab File: BG054593.D
 Acq: 10 Aug 2022 18:10

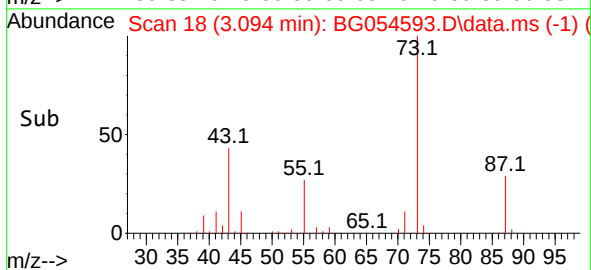
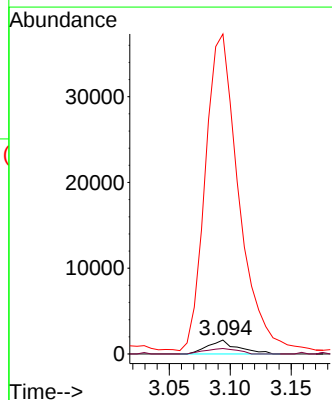
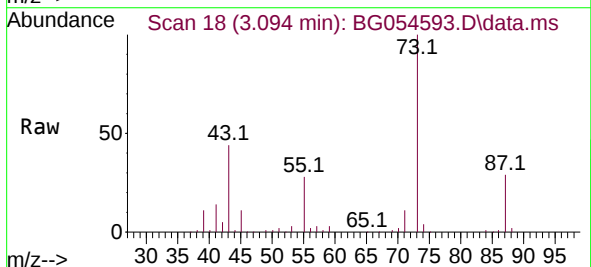
Instrument :
 BNA_G
 ClientSampleId :
 SPN-4

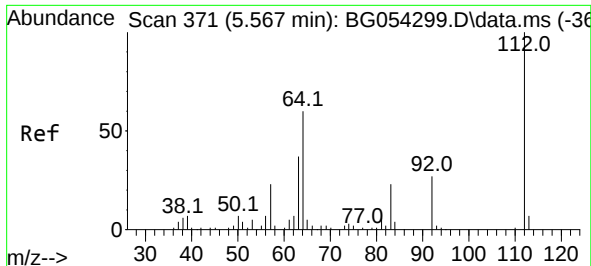
Tgt Ion:152 Resp: 18946
 Ion Ratio Lower Upper
 152 100
 150 147.9 131.6 197.4
 115 56.3 50.9 76.3



#2
 1,4-Dioxane
 Concen: 7.692 ng
 RT: 3.094 min Scan# 18
 Delta R.T. -0.301 min
 Lab File: BG054593.D
 Acq: 10 Aug 2022 18:10

Tgt Ion: 88 Resp: 2777
 Ion Ratio Lower Upper
 88 100
 58 42.5 59.2 88.8#
 43 2580.5 24.3 36.5#

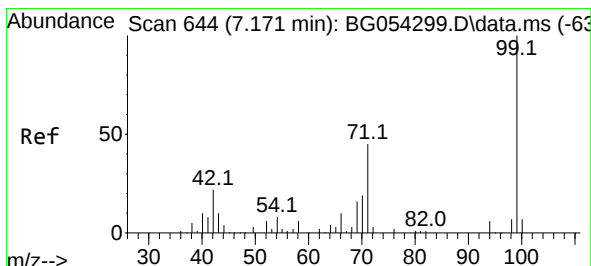
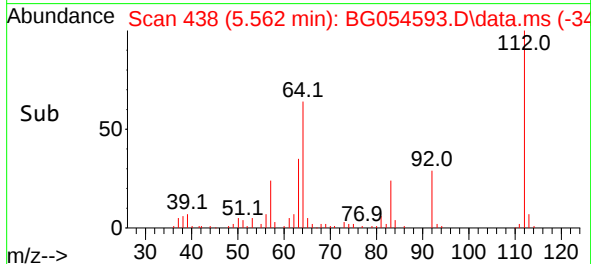
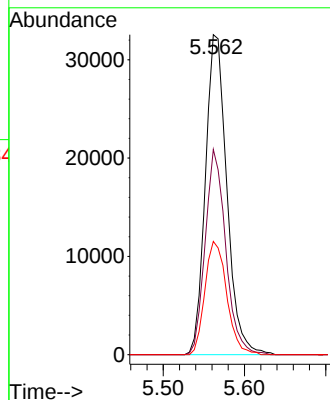
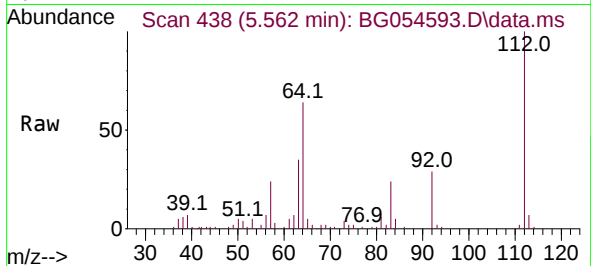




#5
2-Fluorophenol
Concen: 65.754 ng
RT: 5.562 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

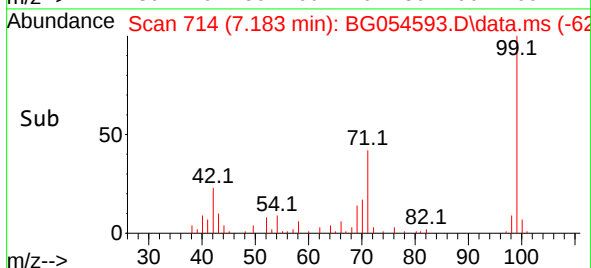
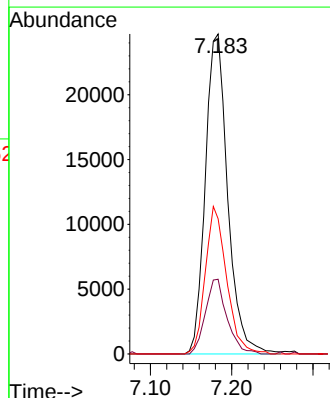
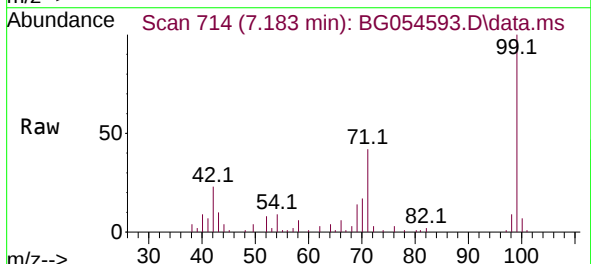
Instrument :
BNA_G
ClientSampleId :
SPN-4

Tgt Ion:112 Resp: 59667
Ion Ratio Lower Upper
112 100
64 64.2 55.1 82.7
63 35.4 30.4 45.6



#7
Phenol-d6
Concen: 37.919 ng
RT: 7.183 min Scan# 714
Delta R.T. 0.004 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion: 99 Resp: 47149
Ion Ratio Lower Upper
99 100
42 23.3 17.0 25.6
71 42.3 33.8 50.8

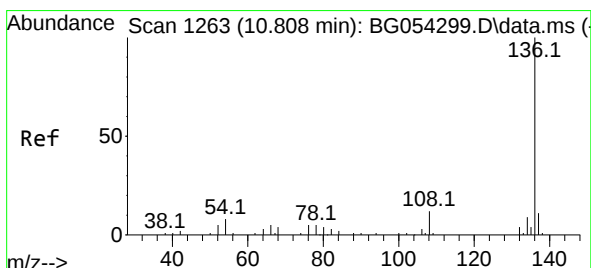
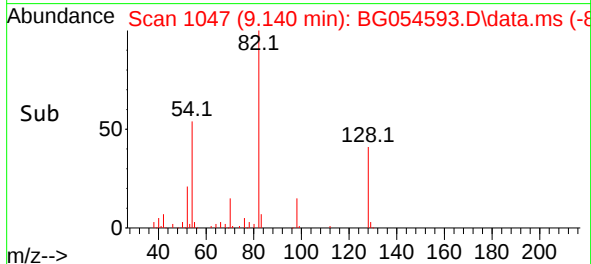
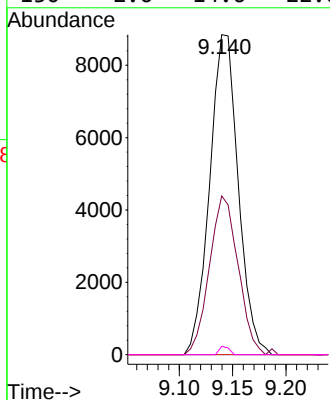
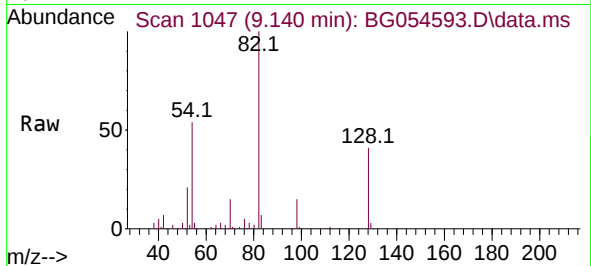




#19
n-Nitroso-di-n-propylamine
Concen: 19.830 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.357 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

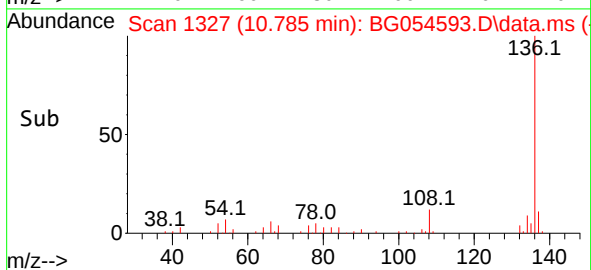
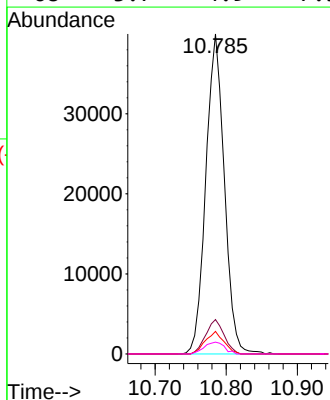
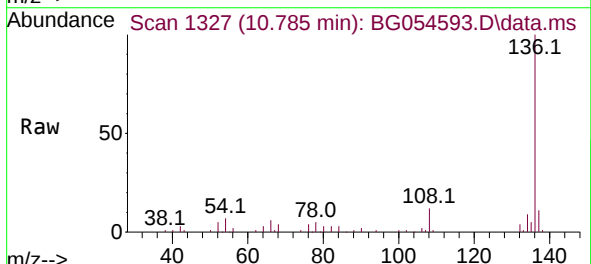
Instrument :
BNA_G
ClientSampleId :
SPN-4

Tgt Ion: 70	Resp: 16465
Ion Ratio	Lower Upper
70 100	
42 49.6	47.3 70.9
101 0.0	7.0 10.4#
130 2.6	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion: 136	Resp: 72315
Ion Ratio	Lower Upper
136 100	
137 10.7	8.5 12.7
54 7.0	7.4 11.2#
68 3.7	4.9 7.3#

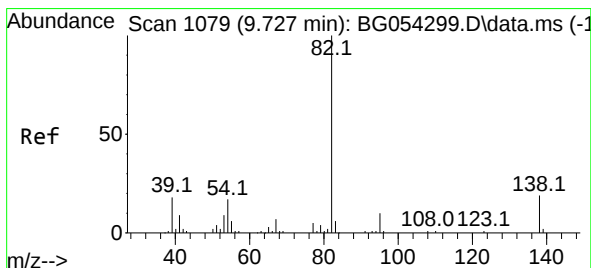
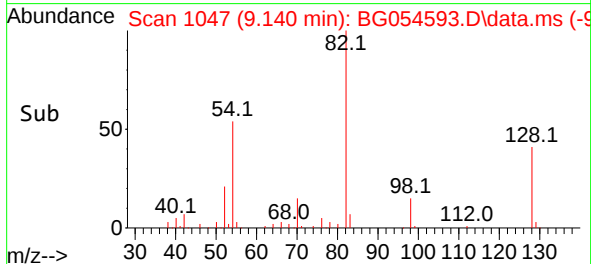
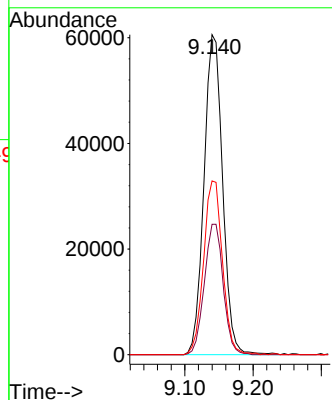
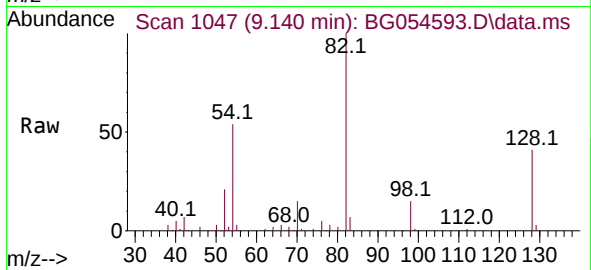




#23
Nitrobenzene-d5
Concen: 86.803 ng
RT: 9.140 min Scan# 1144
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

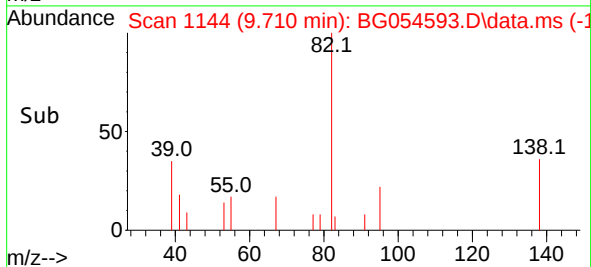
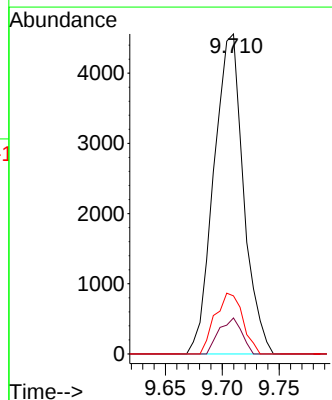
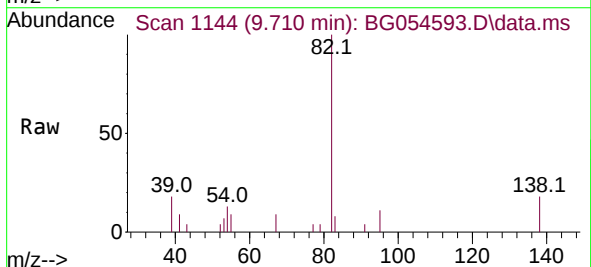
Instrument :
BNA_G
ClientSampleId :
SPN-4

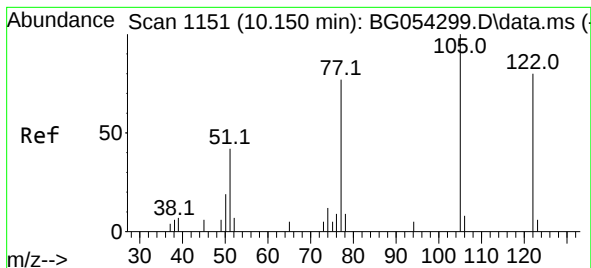
Tgt Ion: 82 Resp: 115268
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 54.3 41.2 61.8



#25
Isophorone
Concen: 3.573 ng
RT: 9.710 min Scan# 1144
Delta R.T. 0.004 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion: 82 Resp: 8251
Ion Ratio Lower Upper
82 100
95 11.3 6.2 9.4#
138 18.1 11.6 17.4#





#32

Benzoic acid

Concen: 7.969 ng

RT: 10.297 min Scan# 11

Delta R.T. 0.151 min

Lab File: BG054593.D

Acq: 10 Aug 2022 18:10

Instrument :

BNA_G

ClientSampleId :

SPN-4

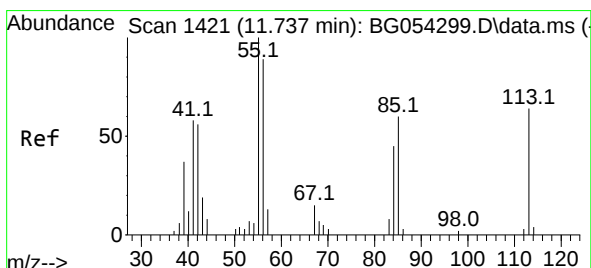
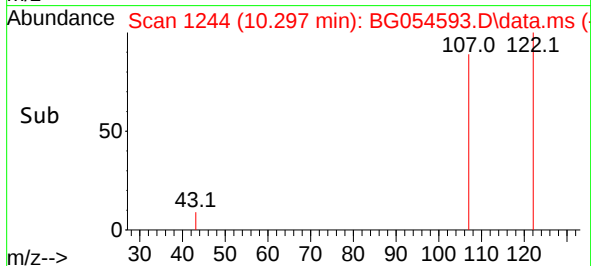
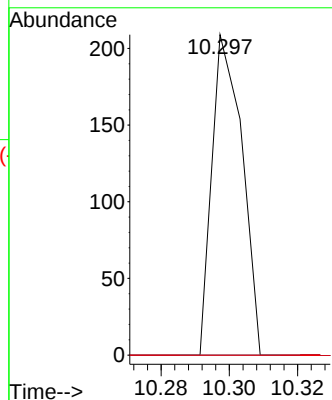
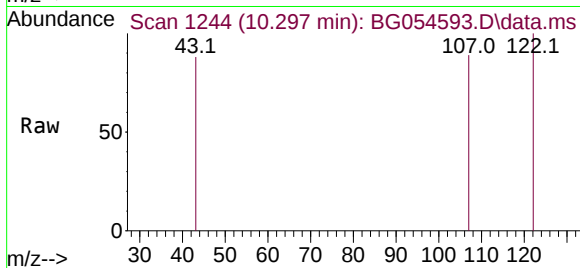
Tgt Ion:122 Resp: 128

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#35

Caprolactam

Concen: 19.694 ng

RT: 11.713 min Scan# 1485

Delta R.T. -0.013 min

Lab File: BG054593.D

Acq: 10 Aug 2022 18:10

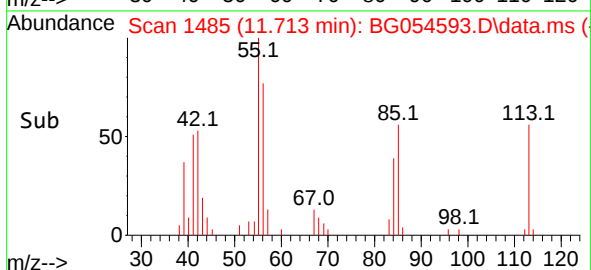
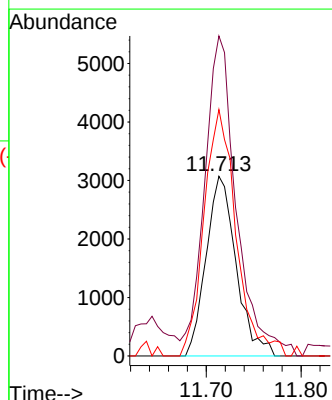
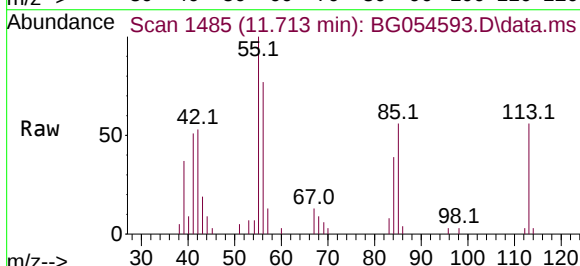
Tgt Ion:113 Resp: 6764

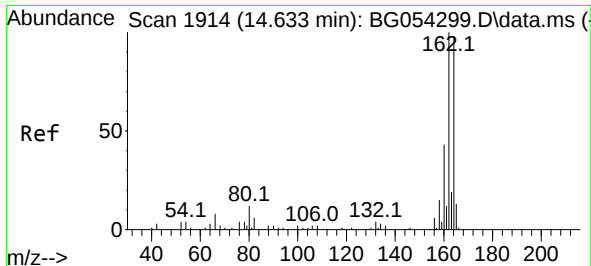
Ion Ratio Lower Upper

113 100

55 178.1 169.8 209.8

56 137.1 141.2 181.2#

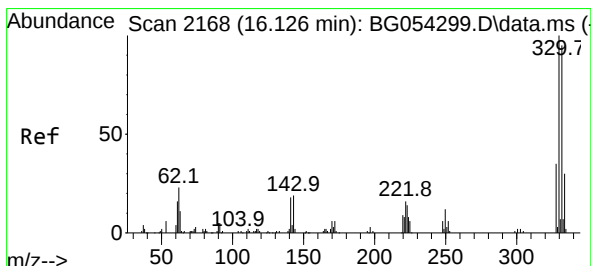
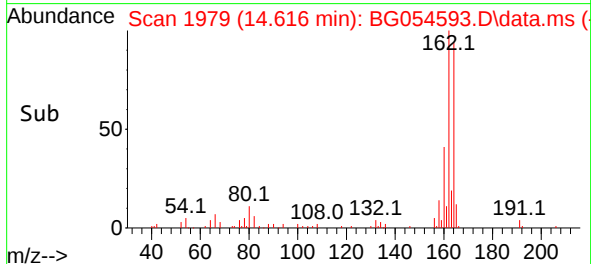
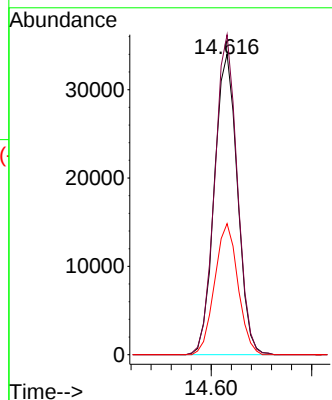
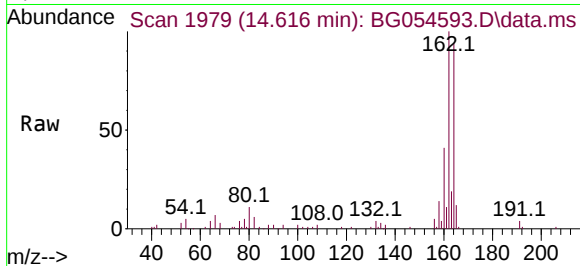




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

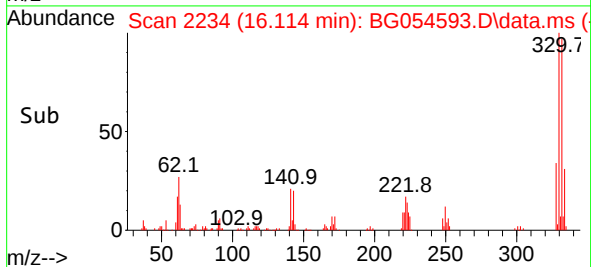
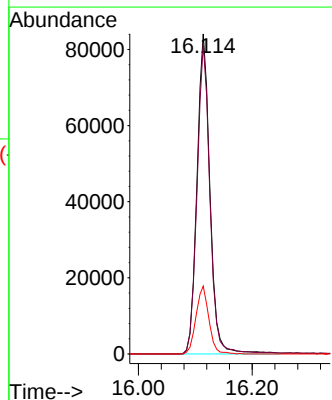
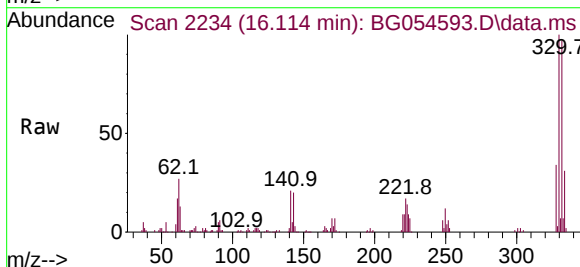
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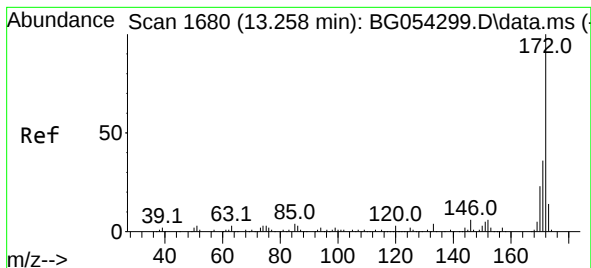
Tgt Ion:164 Resp: 54332
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 43.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 117.484 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion:330 Resp: 134022
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 20.9 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 85.658 ng

RT: 13.235 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054593.D

Acq: 10 Aug 2022 18:10

Instrument :

BNA_G

ClientSampleId :

SPN-4

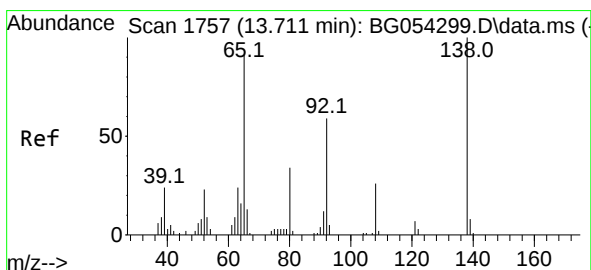
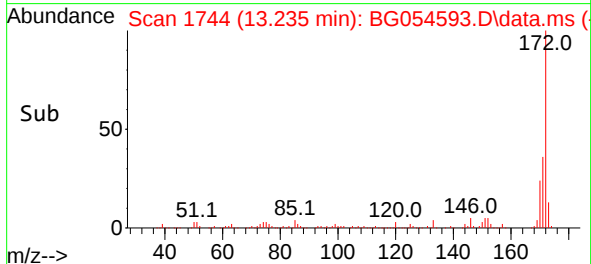
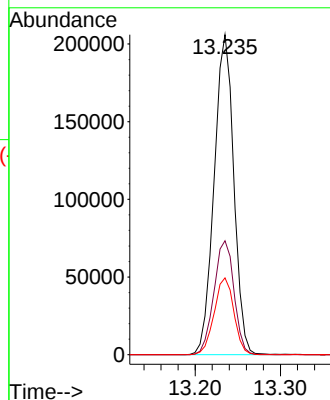
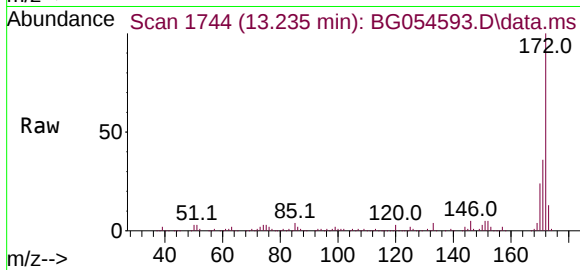
Tgt Ion:172 Resp: 329908

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 24.0 18.9 28.3



#48

2-Nitroaniline

Concen: 6.244 ng

RT: 13.464 min Scan# 1783

Delta R.T. -0.237 min

Lab File: BG054593.D

Acq: 10 Aug 2022 18:10

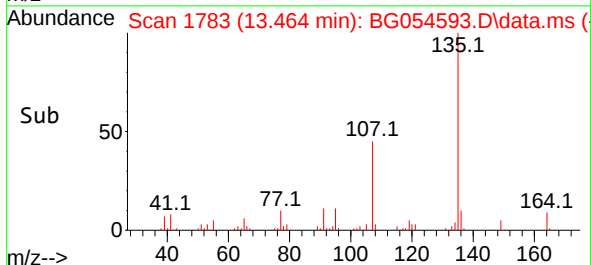
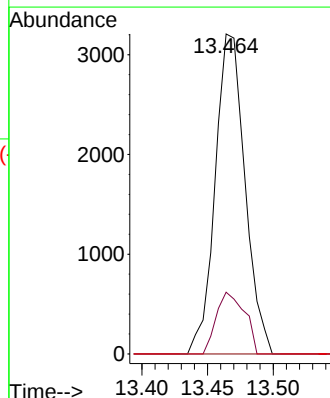
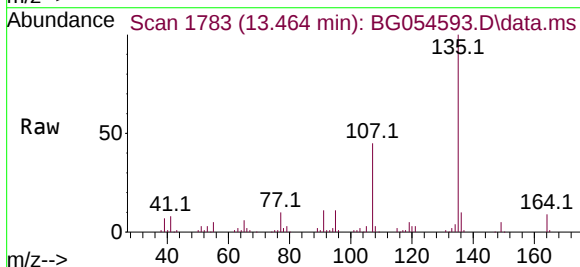
Tgt Ion: 65 Resp: 5069

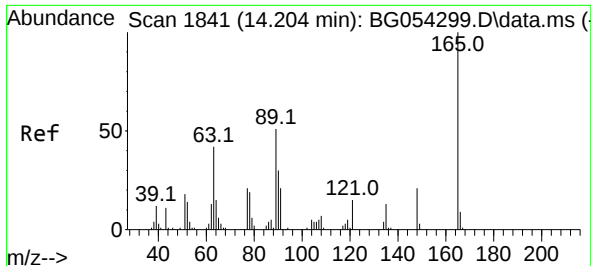
Ion Ratio Lower Upper

65 100

92 19.3 51.5 77.3#

138 0.0 71.3 106.9#

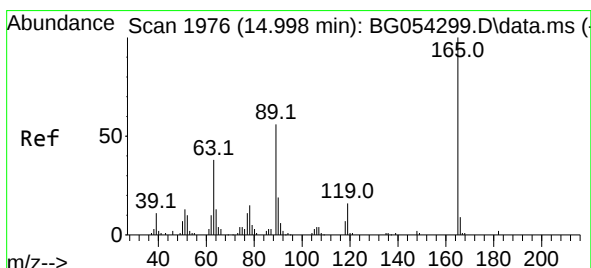
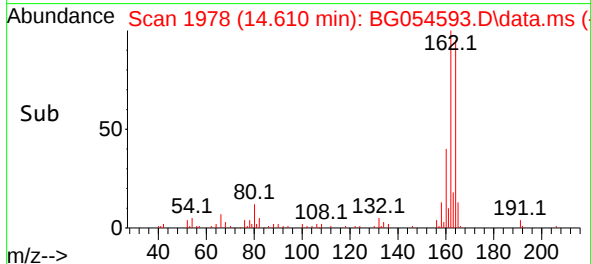
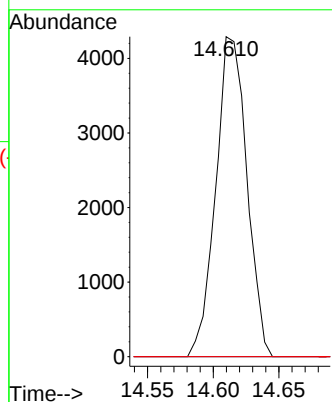
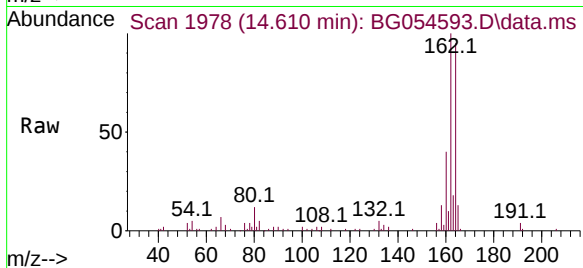




#51
2,6-Dinitrotoluene
Concen: 7.600 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

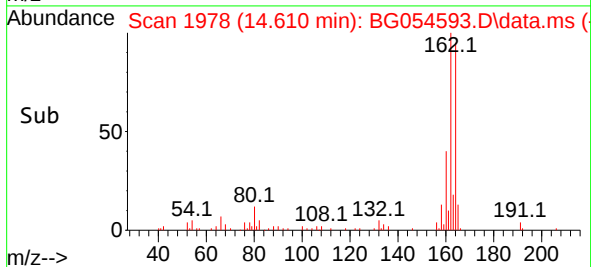
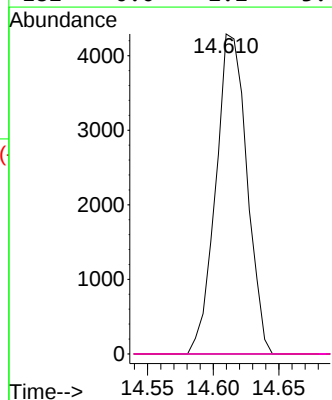
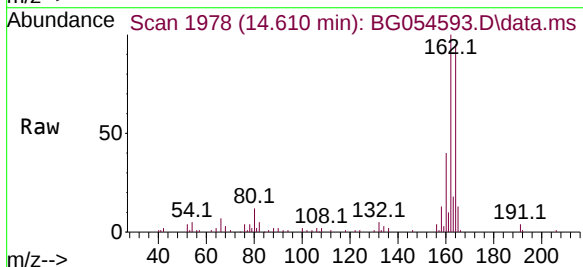
Instrument :
BNA_G
ClientSampleId :
SPN-4

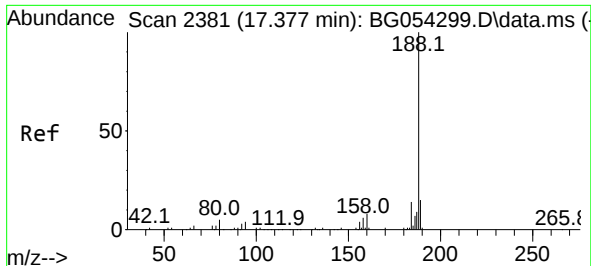
Tgt Ion:165 Resp: 7074
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.301 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.384 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion:165 Resp: 7074
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#

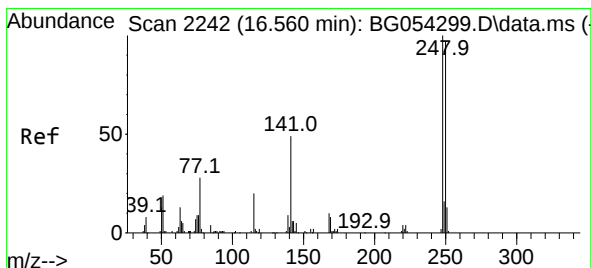
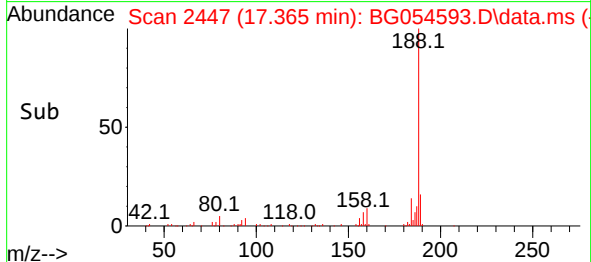
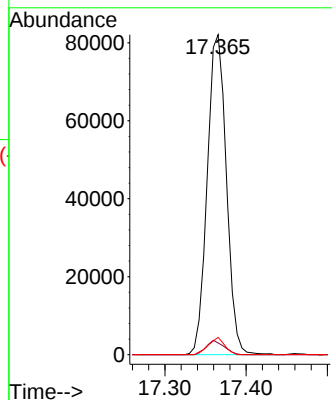
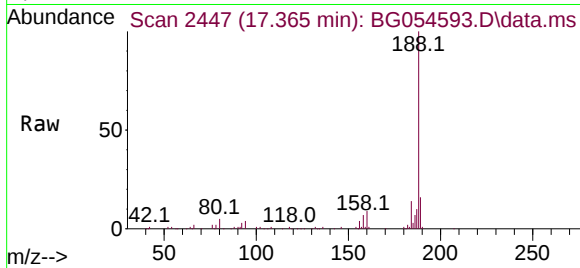




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

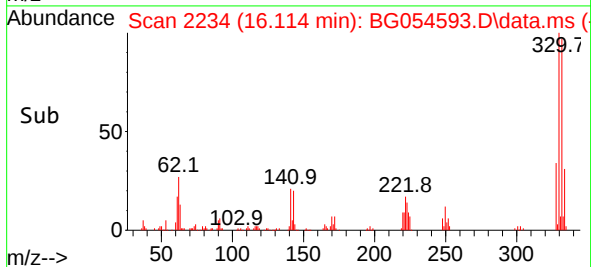
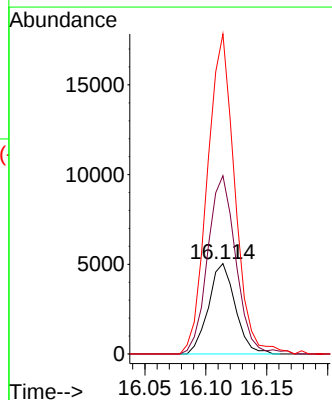
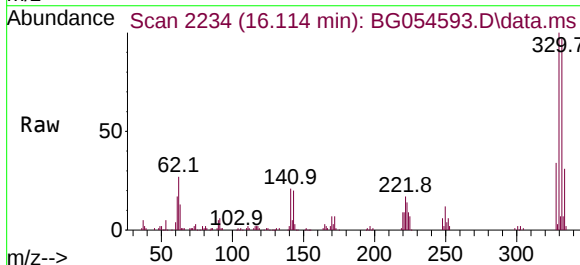
Instrument :
BNA_G
ClientSampleId :
SPN-4

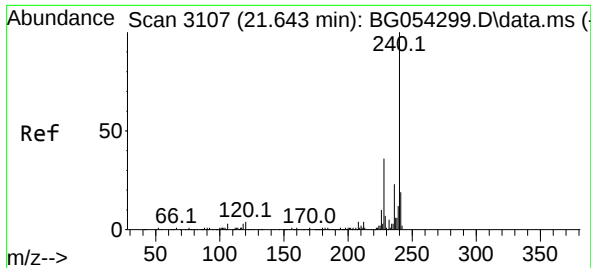
Tgt Ion:188 Resp: 134204
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 5.4 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.076 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.431 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion:248 Resp: 7683
Ion Ratio Lower Upper
248 100
250 197.3 75.2 112.8#
141 354.2 50.0 75.0#

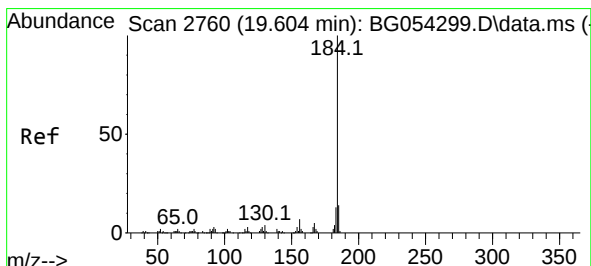
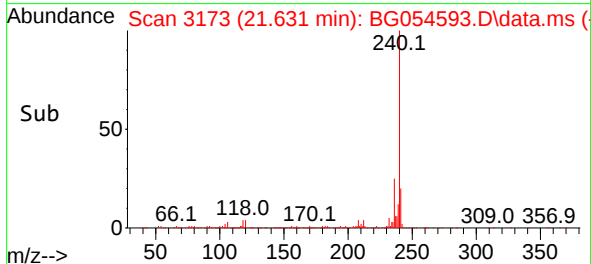
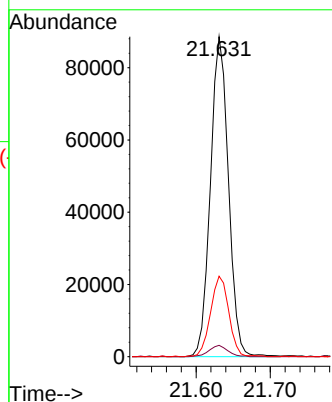
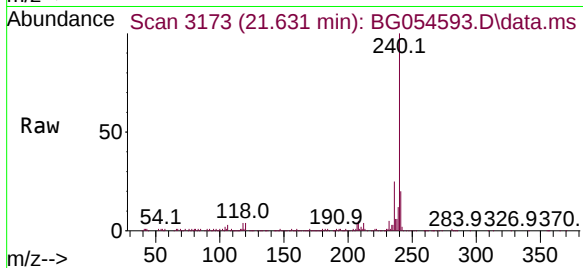




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

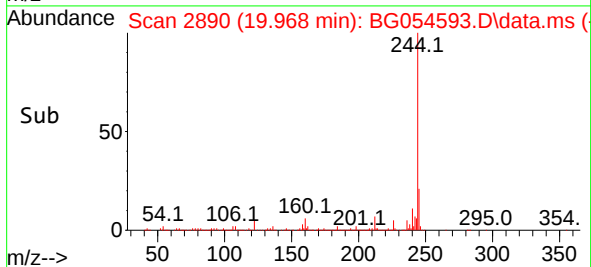
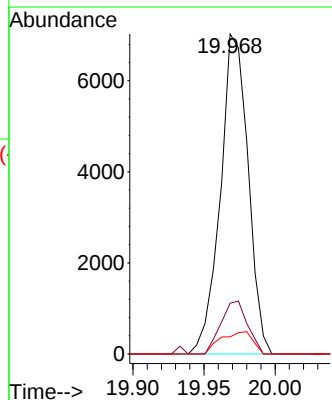
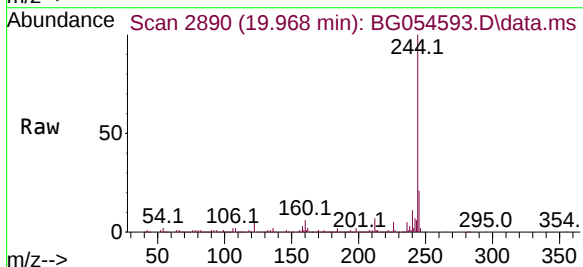
Instrument :
BNA_G
ClientSampleId :
SPN-4

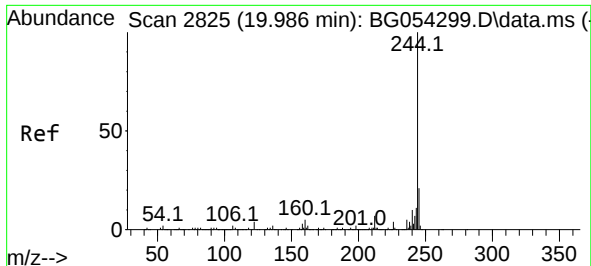
Tgt Ion:240 Resp: 149721
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.2 20.2 30.4



#77
Benzidine
Concen: 3.515 ng
RT: 19.968 min Scan# 2890
Delta R.T. 0.374 min
Lab File: BG054593.D
Acq: 10 Aug 2022 18:10

Tgt Ion:184 Resp: 9532
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 5.3 8.9 13.3#

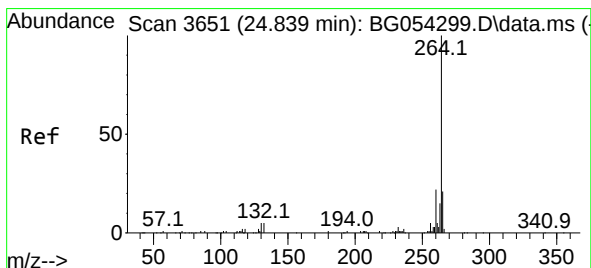
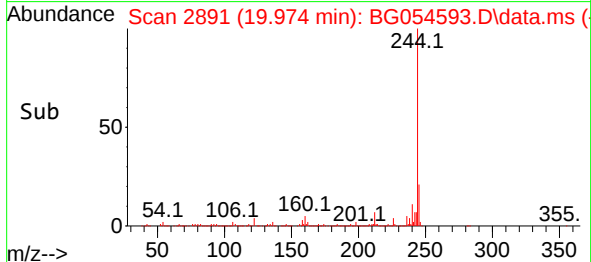
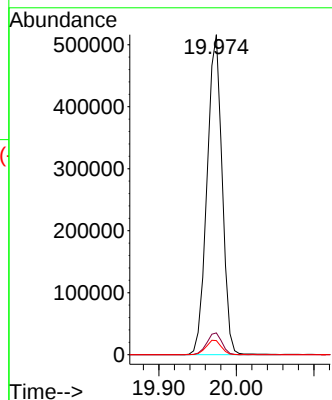
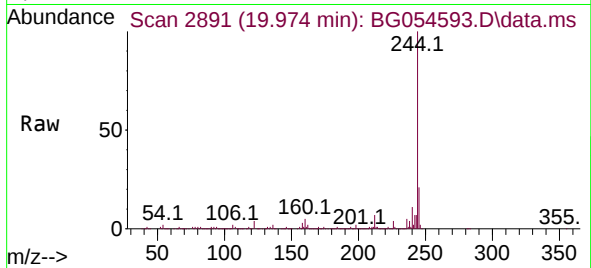




#79
 Terphenyl-d14
 Concen: 92.566 ng
 RT: 19.974 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG054593.D
 Acq: 10 Aug 2022 18:10

Instrument :
 BNA_G
 ClientSampleId :
 SPN-4

Tgt Ion:244 Resp: 698609
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.4 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 3719
 Delta R.T. 0.004 min
 Lab File: BG054593.D
 Acq: 10 Aug 2022 18:10

Tgt Ion:264 Resp: 158792
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 23.2 17.4 26.2

