

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056555.D
 Acq On : 6 Feb 2023 15:02
 Operator : CG/JU
 Sample : 01442-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-01-SB02

Quant Time: Feb 07 04:33:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

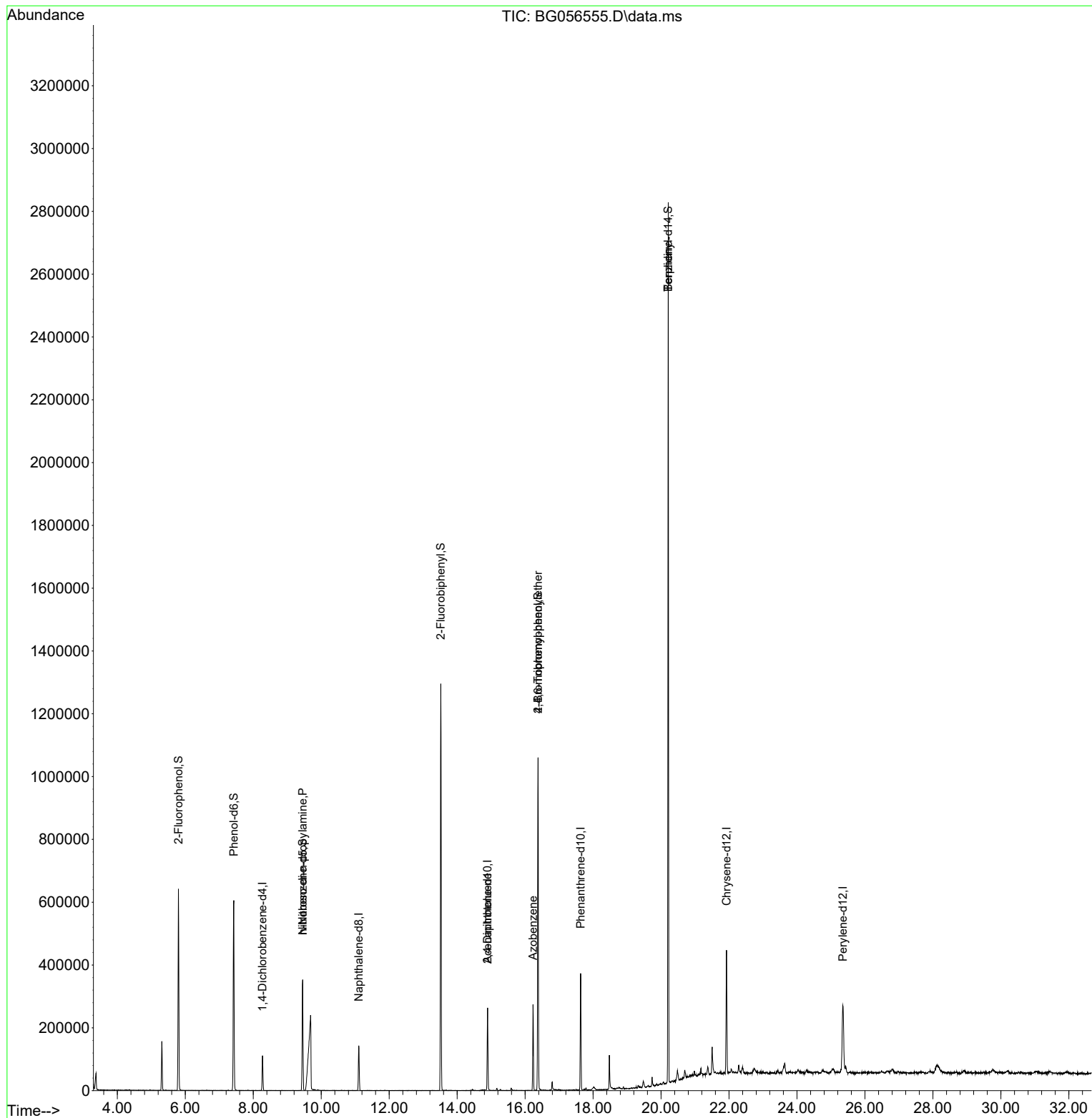
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	37540	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	133665	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	101899	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	266258	20.000	ng	0.00
76) Chrysene-d12	21.927	240	255217	20.000	ng	0.00
86) Perylene-d12	25.352	264	278002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	356532	174.712	ng	0.00
7) Phenol-d6	7.426	99	482882	159.703	ng	0.00
23) Nitrobenzene-d5	9.453	82	248406	105.530	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	225500	166.459	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	736150	100.160	ng	0.00
79) Terphenyl-d14	20.211	244	1423069	97.933	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.426	77	780	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.453	70	30090	17.269	ng	# 74
57) 2,4-Dinitrotoluene	14.894	165	13114	5.179	ng	# 37
63) Azobenzene	16.234	77	67785	12.726	ng	# 1
67) 4-Bromophenyl-phenylether	16.381	248	17920	5.257	ng	# 1
77) Benzidine	20.211	184	20223	2.928	ng	# 94

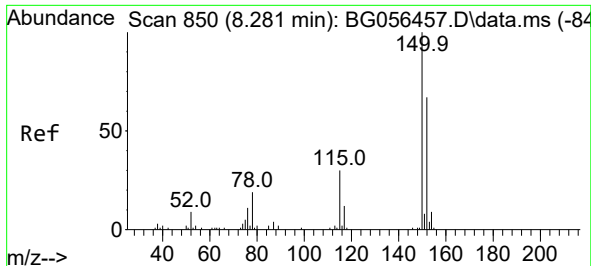
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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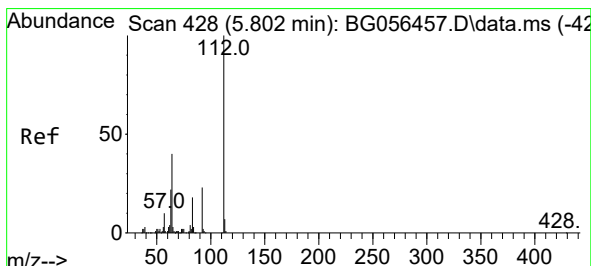
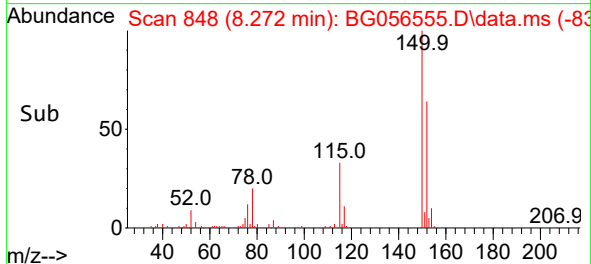
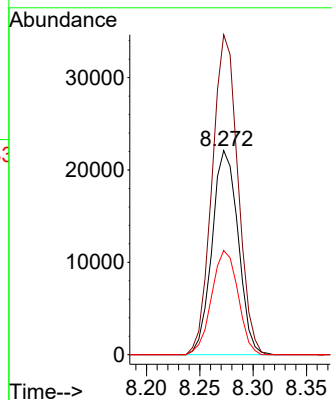
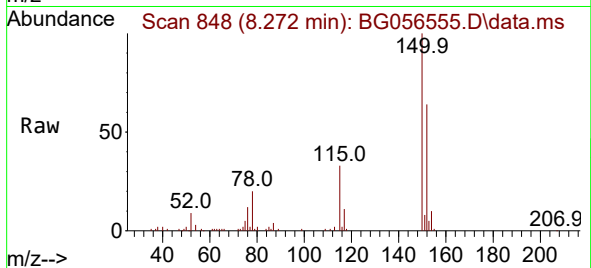




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

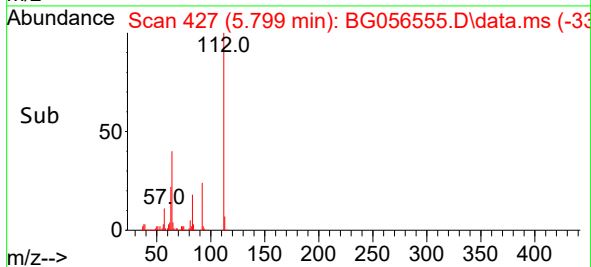
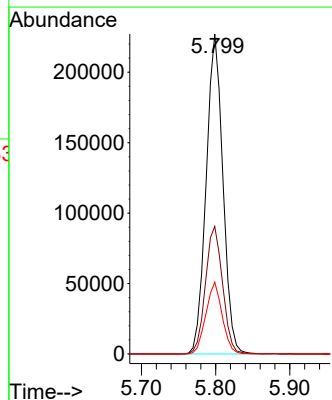
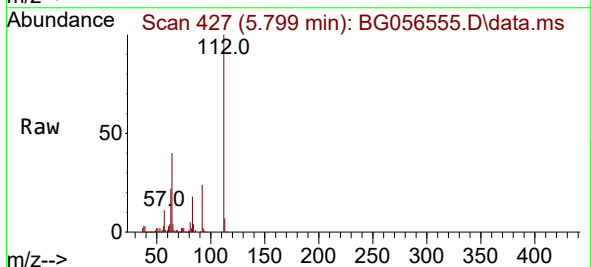
Instrument :
BNA_G
ClientSampleId :
B-01-SB02

Tgt Ion:152 Resp: 37540
Ion Ratio Lower Upper
152 100
150 156.7 120.2 180.4
115 51.0 36.3 54.5



#5
2-Fluorophenol
Concen: 174.712 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.009 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion:112 Resp: 356532
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 22.5 17.4 26.0

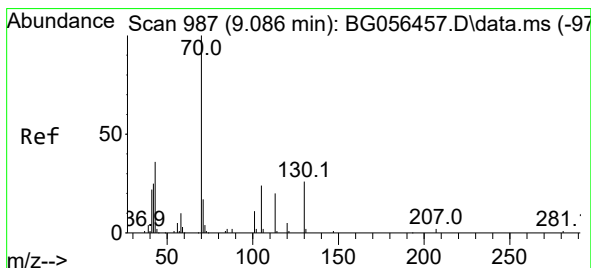
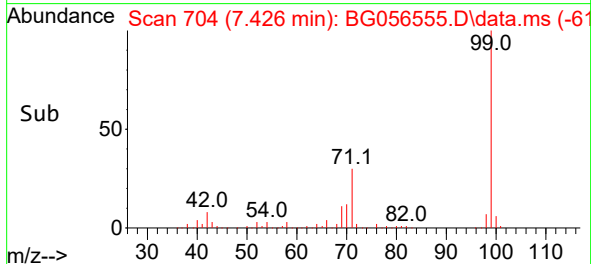
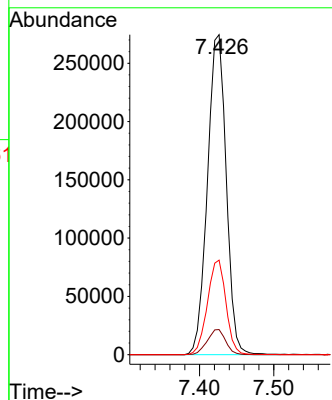
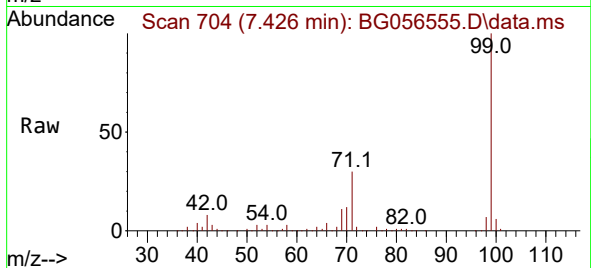




#7
Phenol-d6
Concen: 159.703 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

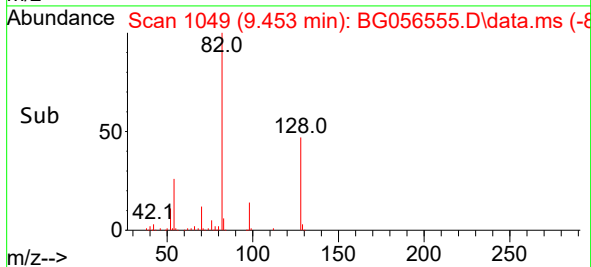
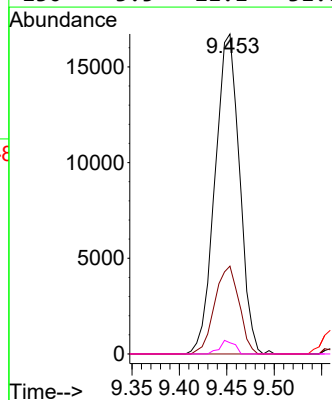
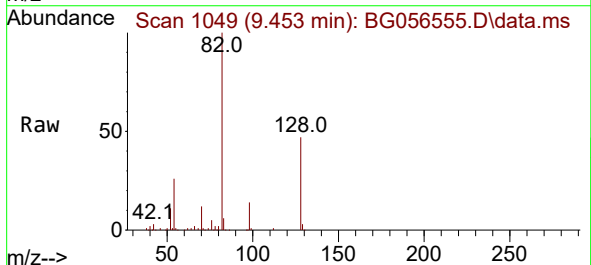
Instrument :
BNA_G
ClientSampleId :
B-01-SB02

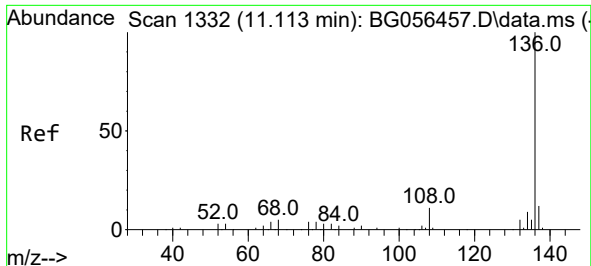
Tgt Ion: 99 Resp: 482882
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 29.6 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.269 ng
RT: 9.453 min Scan# 1049
Delta R.T. 0.379 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion: 70 Resp: 30090
Ion Ratio Lower Upper
70 100
42 27.4 20.2 30.4
101 0.0 9.1 13.7#
130 3.5 21.1 31.7#

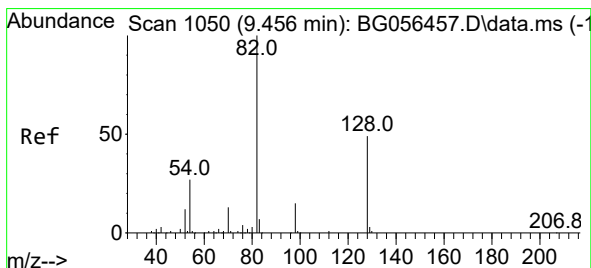
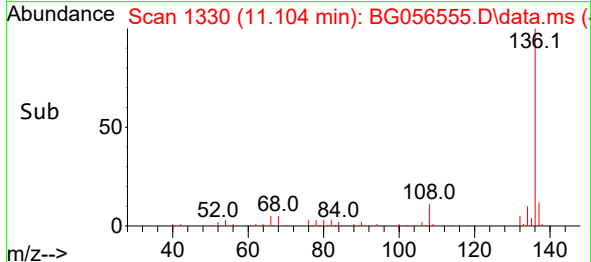
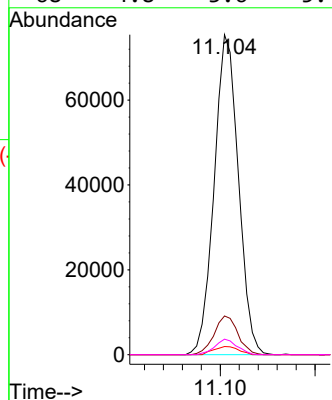
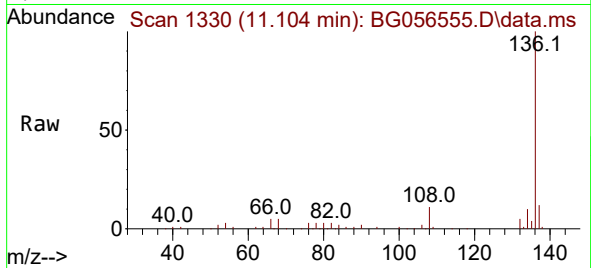




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

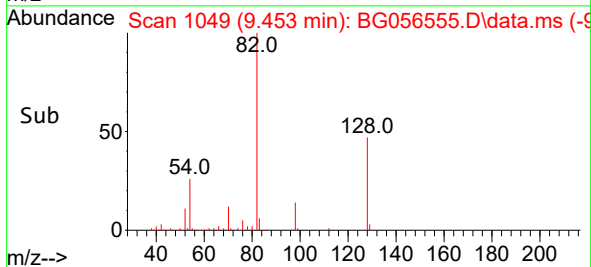
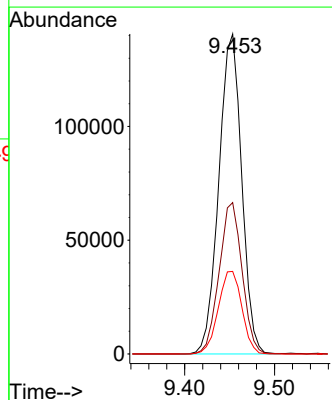
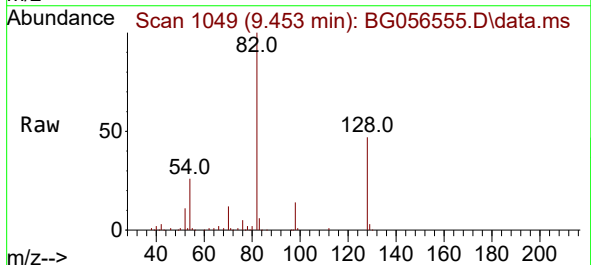
Instrument :
BNA_G
ClientSampleId :
B-01-SB02

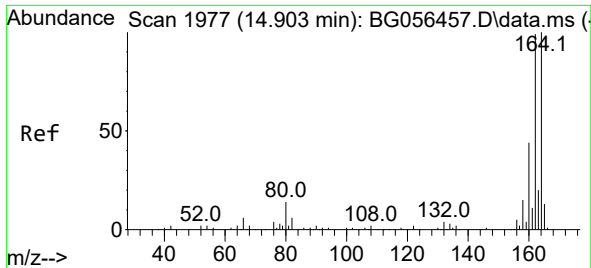
Tgt Ion:136 Resp: 133665
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 2.6 2.2 3.4
68 4.8 3.6 5.4



#23
Nitrobenzene-d5
Concen: 105.530 ng
RT: 9.453 min Scan# 1049
Delta R.T. 0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion: 82 Resp: 248406
Ion Ratio Lower Upper
82 100
128 47.3 39.4 59.2
54 25.8 21.4 32.2

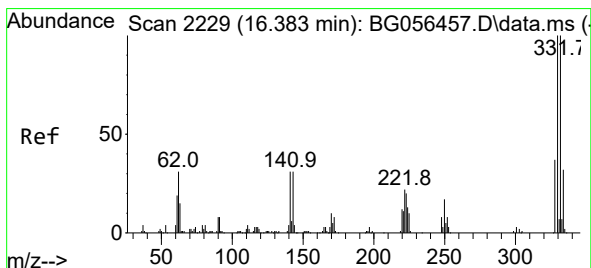
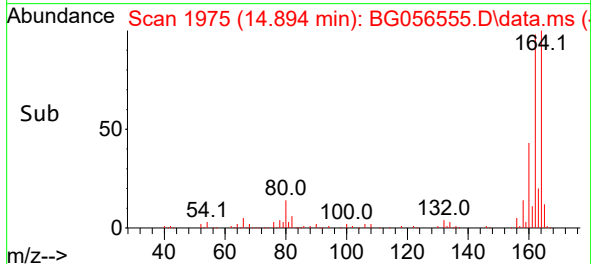
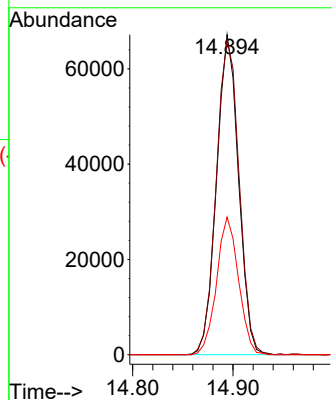
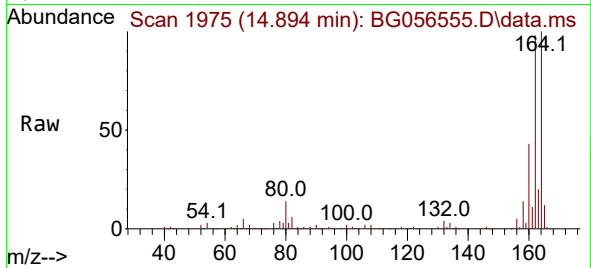




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

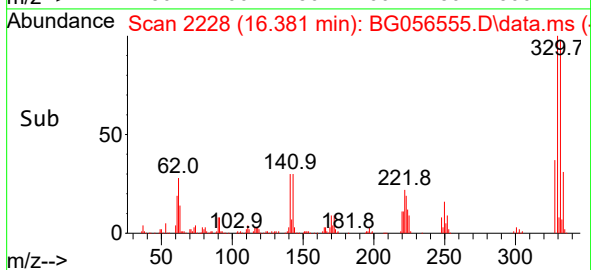
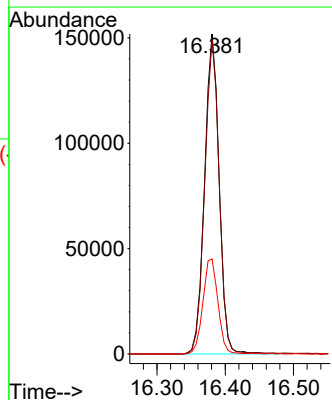
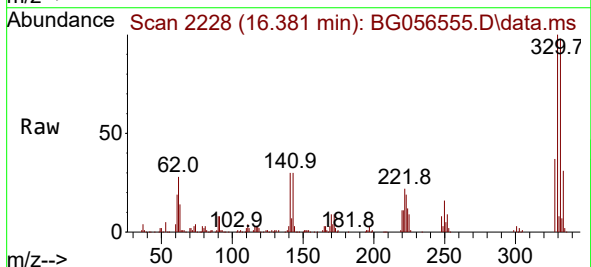
Instrument :
BNA_G
ClientSampleId :
B-01-SB02

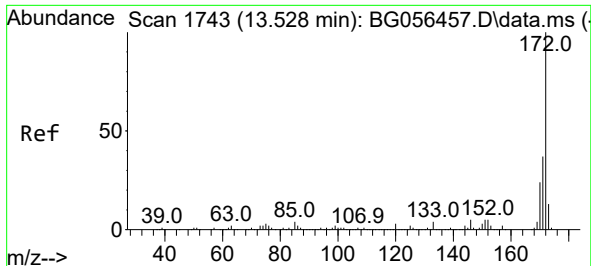
Tgt Ion:164 Resp: 101899
Ion Ratio Lower Upper
164 100
162 98.4 79.6 119.4
160 43.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 166.459 ng
RT: 16.381 min Scan# 2228
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion:330 Resp: 225500
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.6
141 30.6 24.2 36.4

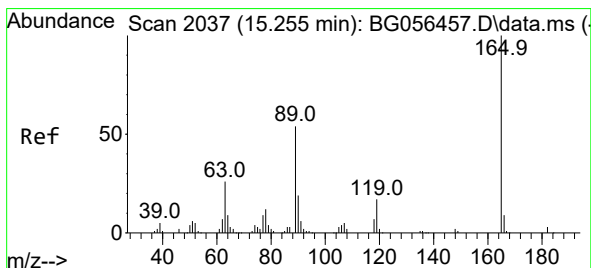
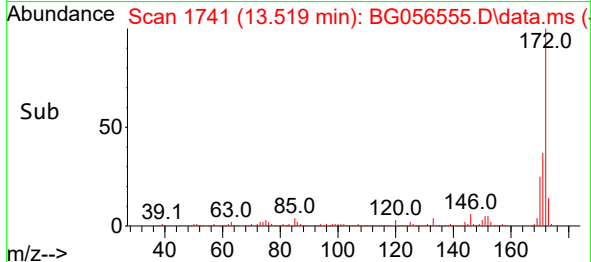
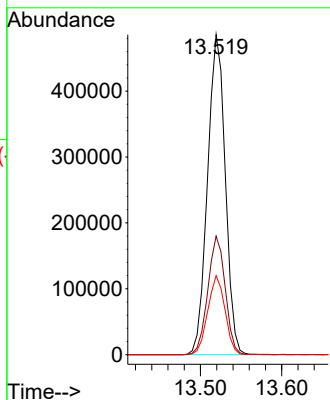
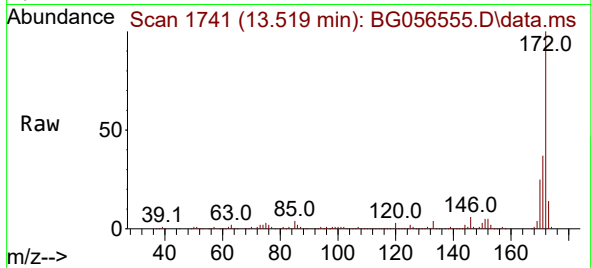




#45
2-Fluorobiphenyl
Concen: 100.160 ng
RT: 13.519 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

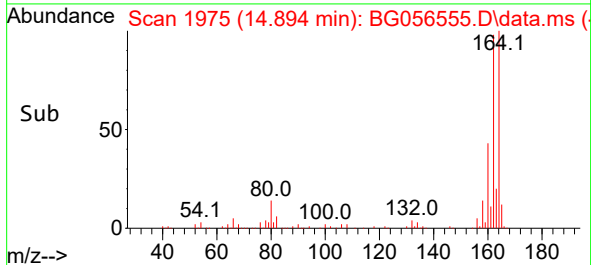
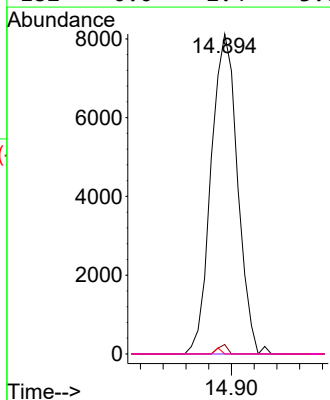
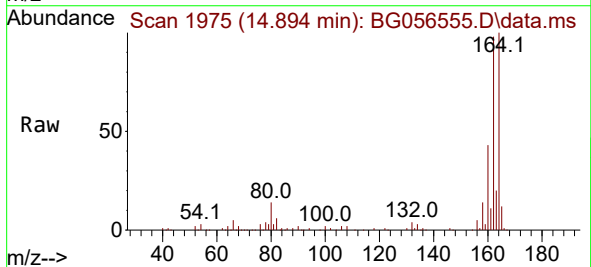
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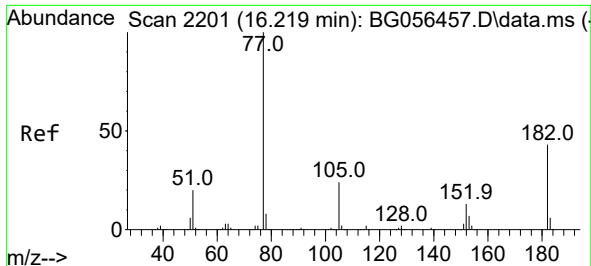
Tgt Ion:172 Resp: 736150
Ion Ratio Lower Upper
172 100
171 37.0 29.5 44.3
170 24.7 19.2 28.8



#57
2,4-Dinitrotoluene
Concen: 5.179 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.361 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion:165 Resp: 13114
Ion Ratio Lower Upper
165 100
63 3.0 20.6 31.0#
89 0.0 43.1 64.7#
182 0.0 2.4 3.6#

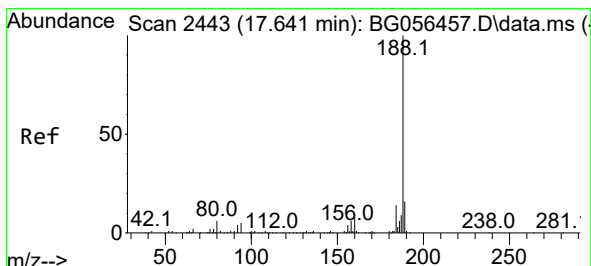
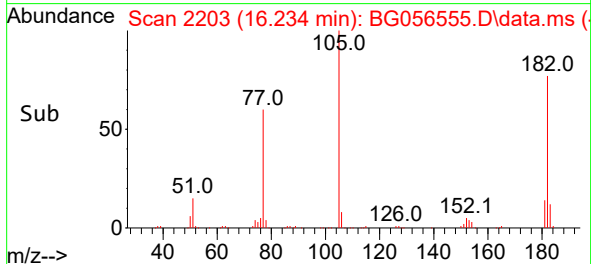
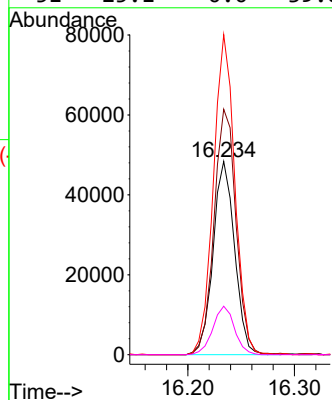
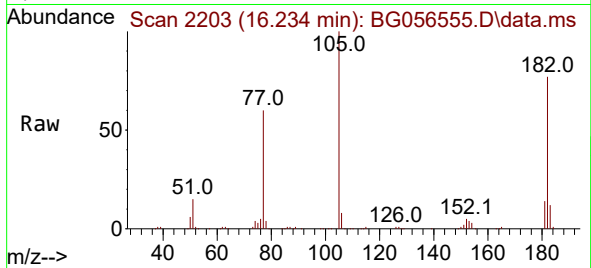




#63
Azobenzene
Concen: 12.726 ng
RT: 16.234 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

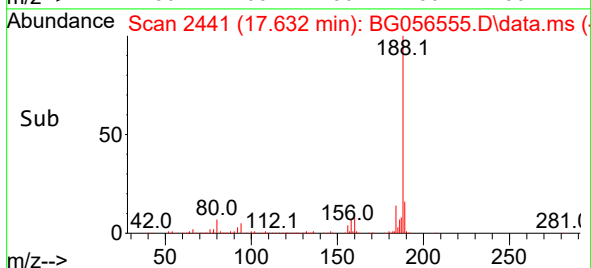
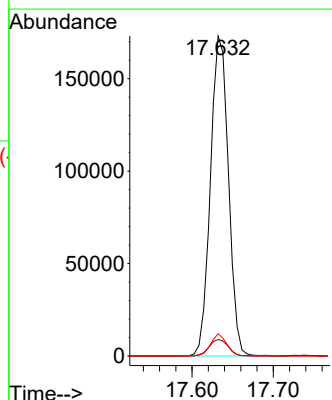
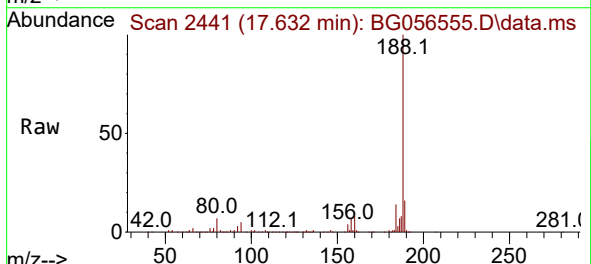
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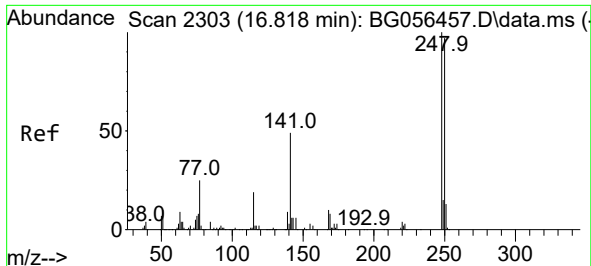
Tgt Ion: 77 Resp: 67785
Ion Ratio Lower Upper
77 100
182 127.0 23.1 63.1#
105 165.6 4.2 44.2#
51 25.1 0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion:188 Resp: 266258
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.9 5.0 7.4

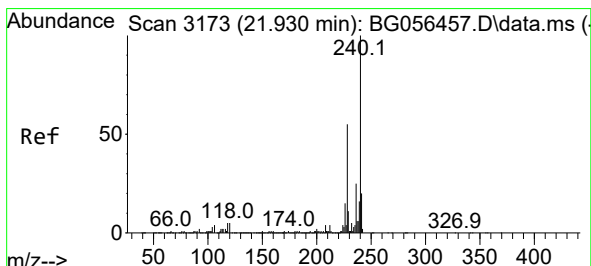
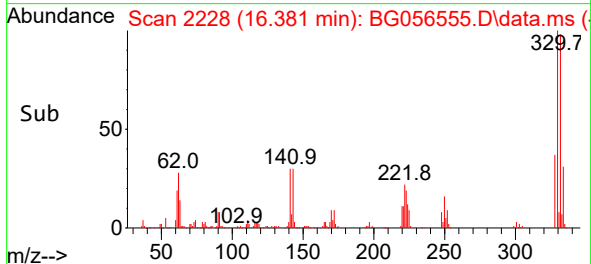
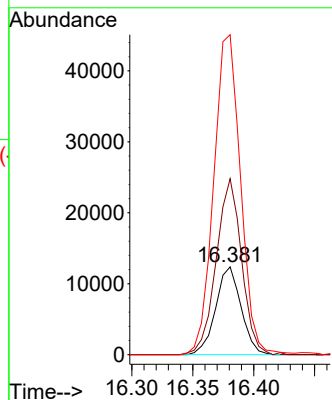
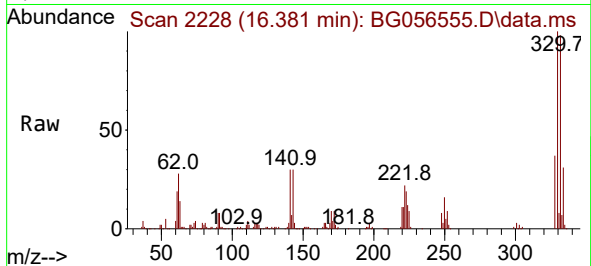




#67
4-Bromophenyl-phenylether
Concen: 5.257 ng
RT: 16.381 min Scan# 21
Delta R.T. -0.432 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

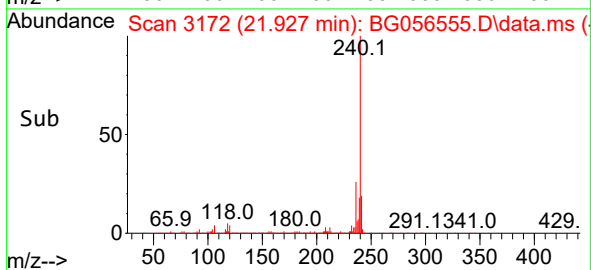
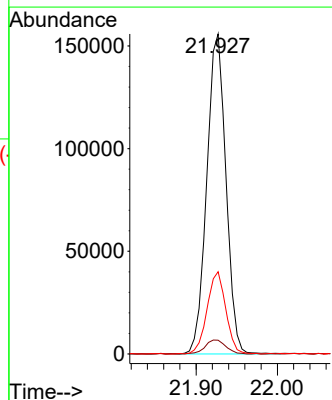
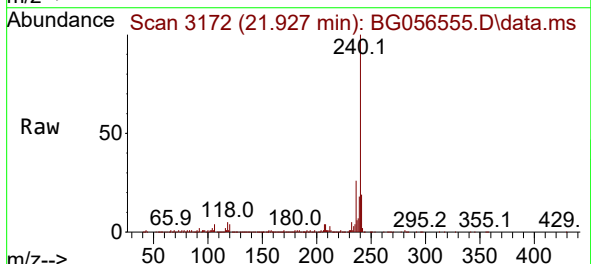
Instrument :
BNA_G
ClientSampleId :
B-01-SB02

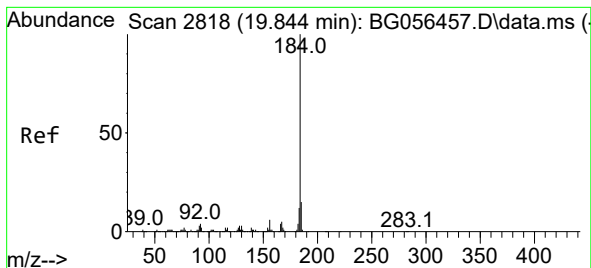
Tgt Ion:248 Resp: 17920
Ion Ratio Lower Upper
248 100
250 200.5 77.6 116.4#
141 364.5 39.0 58.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG056555.D
Acq: 6 Feb 2023 15:02

Tgt Ion:240 Resp: 255217
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.7 20.2 30.2





#77

Benzidine

Concen: 2.928 ng

RT: 20.211 min Scan# 2880

Delta R.T. 0.373 min

Lab File: BG056555.D

Acq: 6 Feb 2023 15:02

Instrument :

BNA_G

ClientSampleId :

B-01-SB02

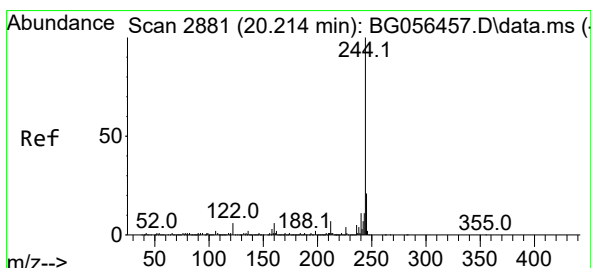
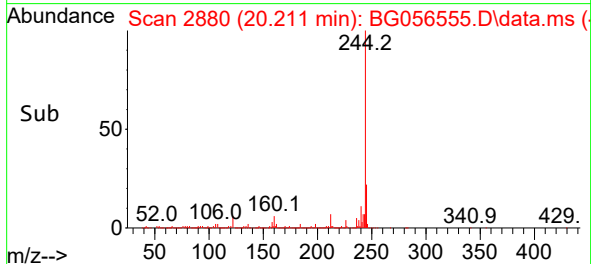
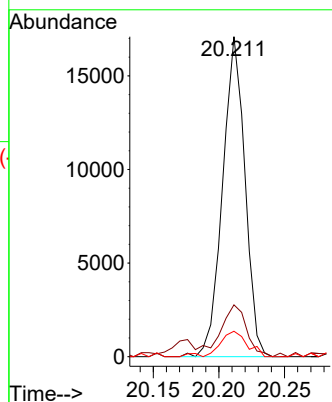
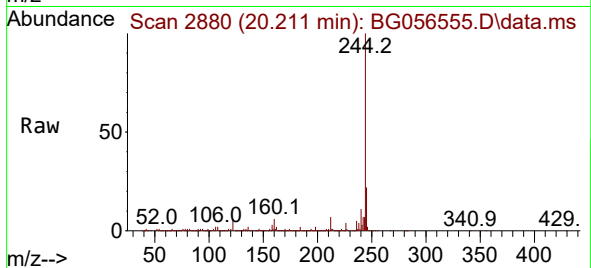
Tgt Ion:184 Resp: 20223

Ion Ratio Lower Upper

184 100

185 16.2 12.3 18.5

183 8.0 9.8 14.8#



#79

Terphenyl-d14

Concen: 97.933 ng

RT: 20.211 min Scan# 2880

Delta R.T. -0.003 min

Lab File: BG056555.D

Acq: 6 Feb 2023 15:02

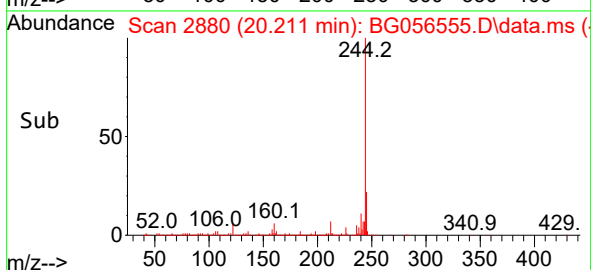
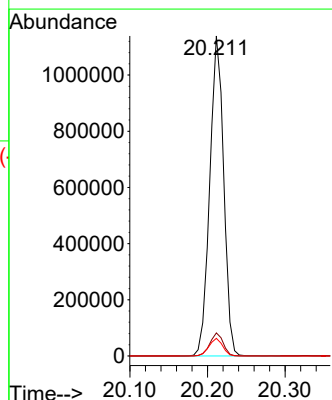
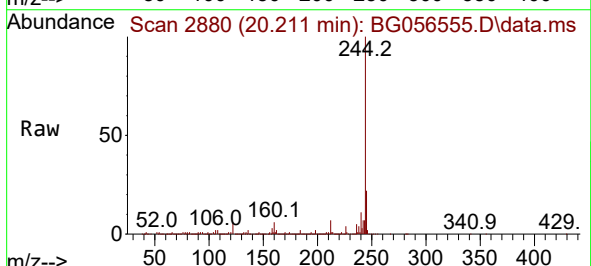
Tgt Ion:244 Resp: 1423069

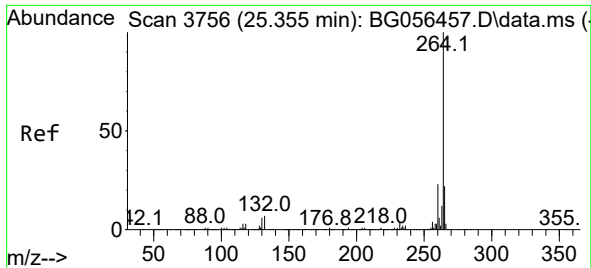
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

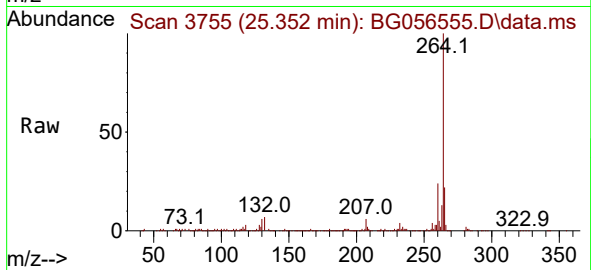
122 5.5 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.352 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG056555.D
 Acq: 6 Feb 2023 15:02

Instrument :
 BNA_G
 ClientSampleId :
 B-01-SB02



Tgt Ion:264 Resp: 278002
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.4
 265 21.8 18.1 27.1

