

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055835.D
 Acq On : 29 Nov 2022 19:27
 Operator : CG/JU
 Sample : N5791-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WSH-STOCK-1128

Quant Time: Nov 30 02:06:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

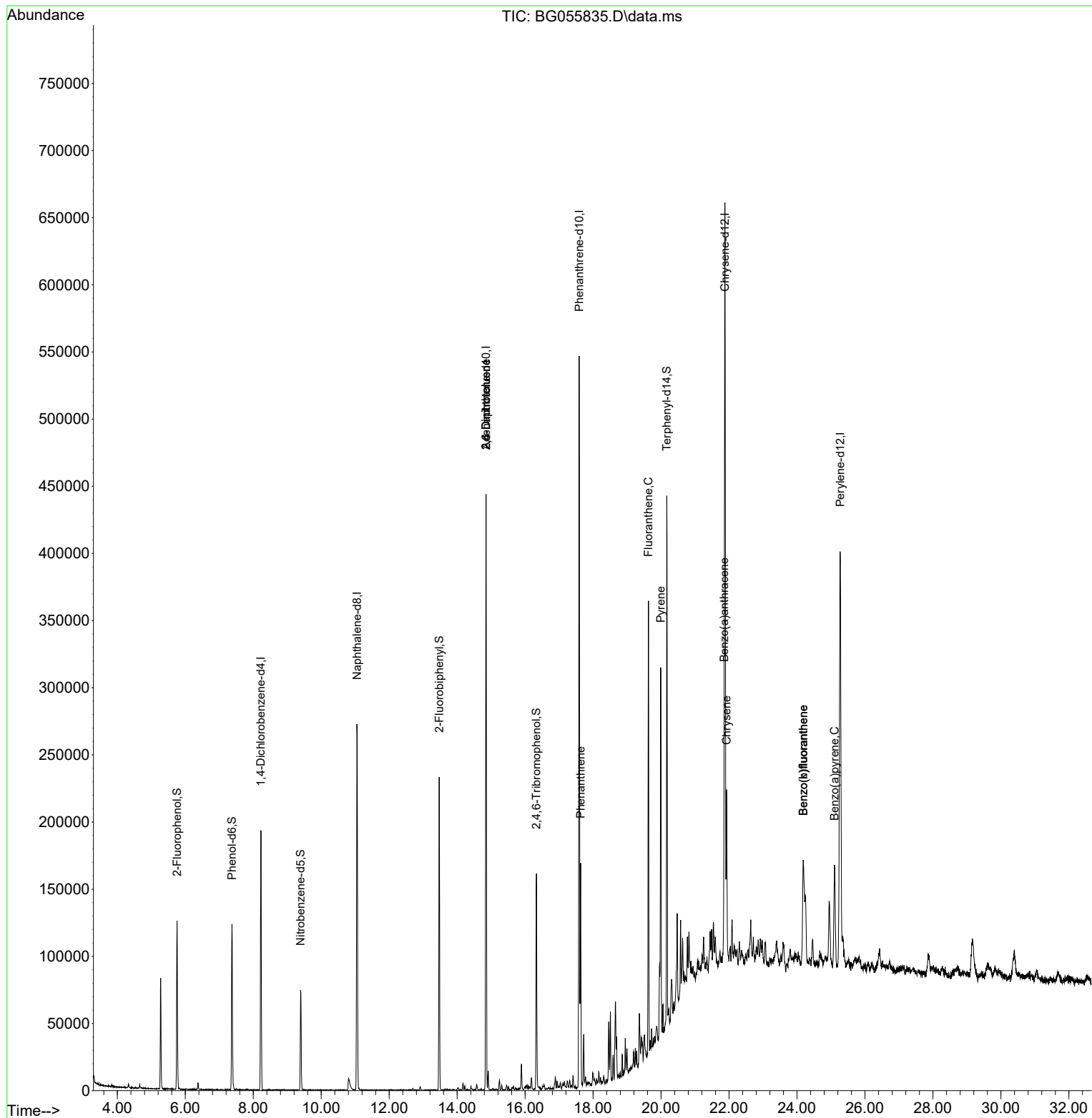
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	55515	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	238699	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	165354	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	351997	20.000	ng	0.00
76) Chrysene-d12	21.878	240	336669	20.000	ng	0.00
86) Perylene-d12	25.269	264	358978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	55610	18.106	ng	0.00
7) Phenol-d6	7.372	99	71978	17.605	ng	0.00
23) Nitrobenzene-d5	9.393	82	46188	10.227	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	34736	14.918	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	122322	11.083	ng	0.00
79) Terphenyl-d14	20.169	244	195027	11.586	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.845	165	20991	7.788	ng	# 26
57) 2,4-Dinitrotoluene	14.845	165	20991	5.524	ng	# 24
71) Phenanthrene	17.630	178	106546	5.609	ng	98
75) Fluoranthene	19.628	202	203753	8.817	ng	100
78) Pyrene	19.986	202	187279	8.218	ng	100
81) Benzo(a)anthracene	21.855	228	98960	4.268	ng	99
83) Chrysene	21.925	228	89855	4.070	ng	97
88) Benzo(b)fluoranthene	24.182	252	120648	5.161	ng	99
89) Benzo(k)fluoranthene	24.182	252	120648	5.177	ng	98
90) Benzo(a)pyrene	25.104	252	89061	4.439	ng	# 95

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

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Quant Time: Nov 30 02:06:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 30 02:01:09 2022
Response via : Initial Calibration

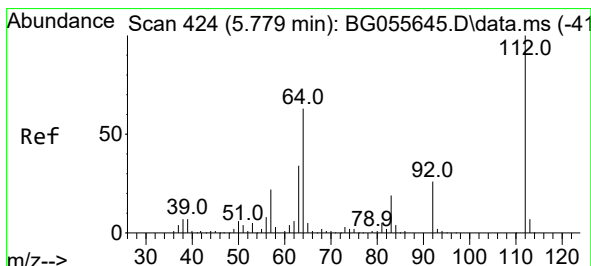
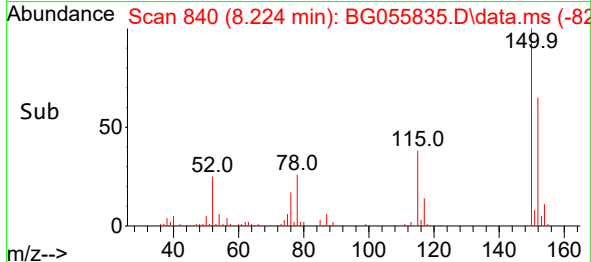
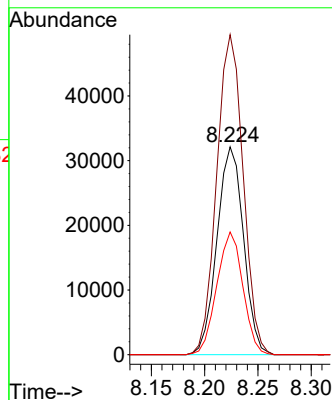
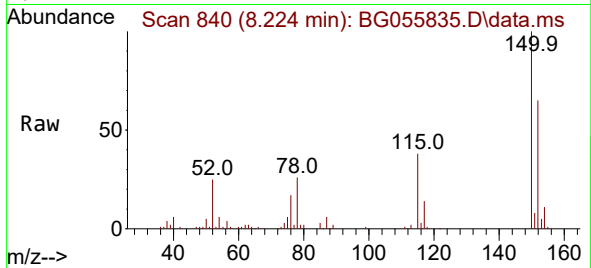




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

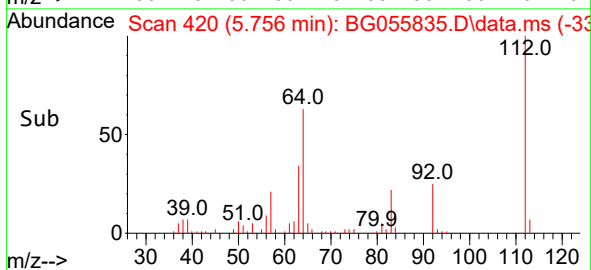
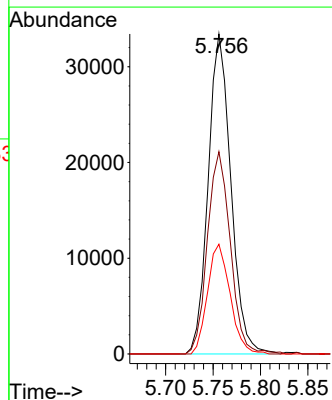
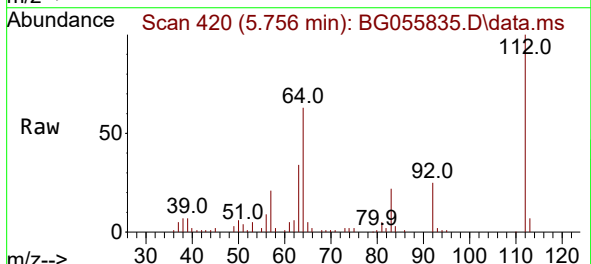
Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

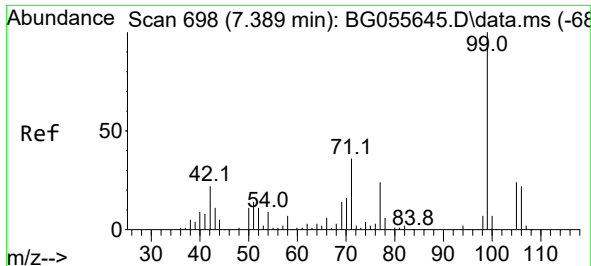
Tgt Ion:152 Resp: 55515
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 59.1 47.0 70.4



#5
2-Fluorophenol
Concen: 18.106 ng
RT: 5.756 min Scan# 420
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:112 Resp: 55610
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 34.3 27.5 41.3

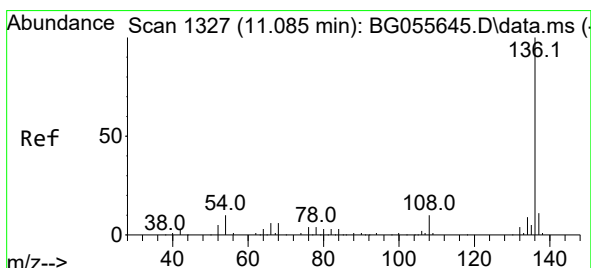
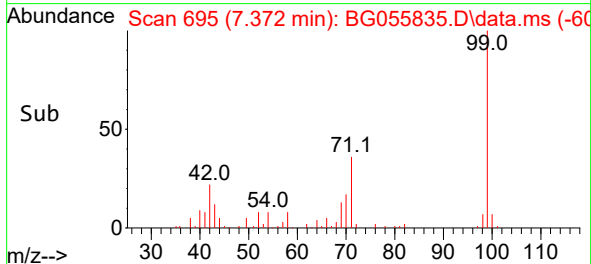
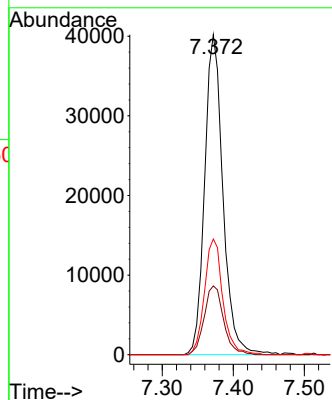
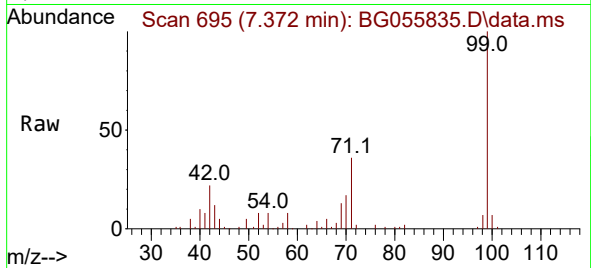




#7
Phenol-d6
Concen: 17.605 ng
RT: 7.372 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

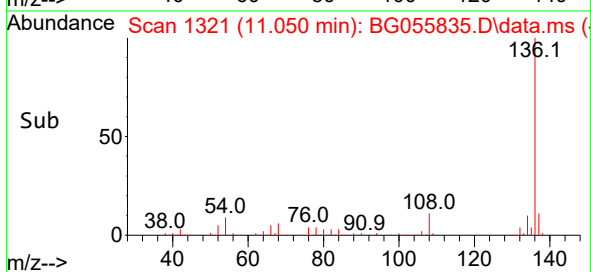
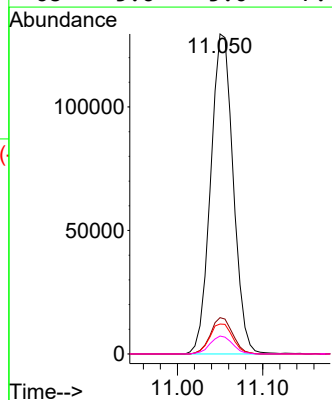
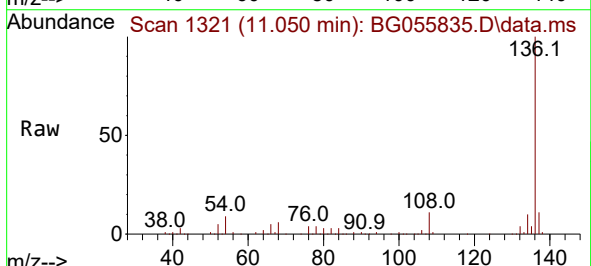
Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

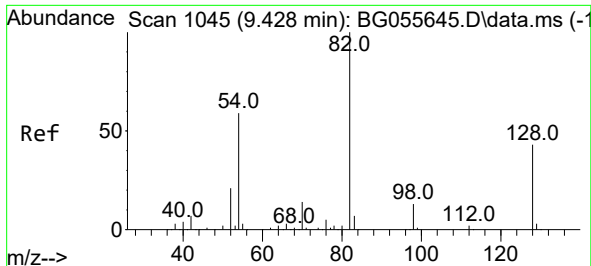
Tgt Ion: 99 Resp: 71978
Ion Ratio Lower Upper
99 100
42 21.5 18.0 27.0
71 36.2 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion: 136 Resp: 238699
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.4 7.8 11.6
68 5.6 5.0 7.4

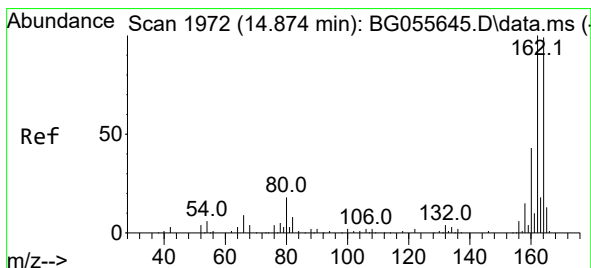
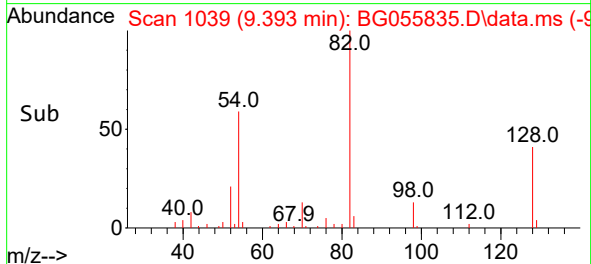
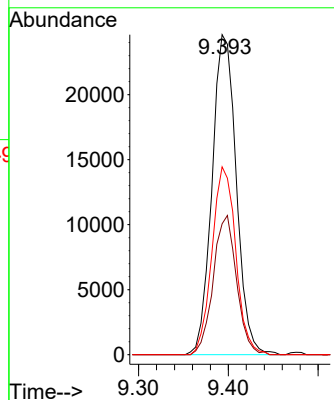
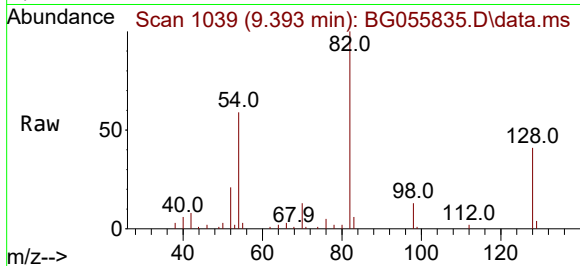




#23
Nitrobenzene-d5
Concen: 10.227 ng
RT: 9.393 min Scan# 1039
Delta R.T. -0.008 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

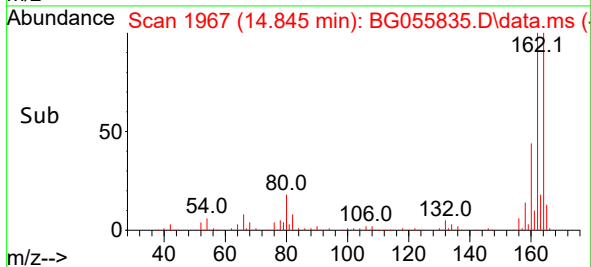
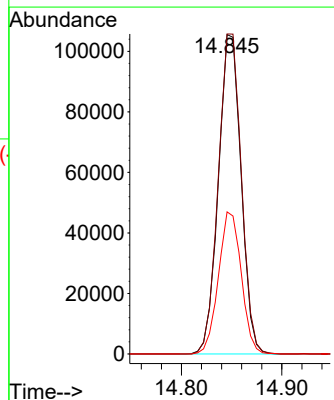
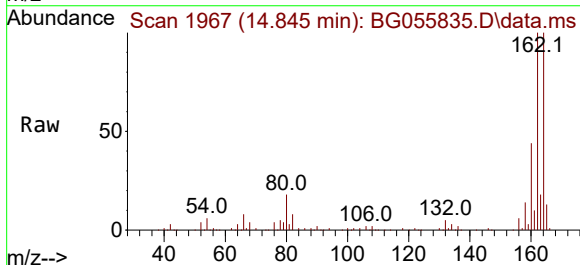
Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

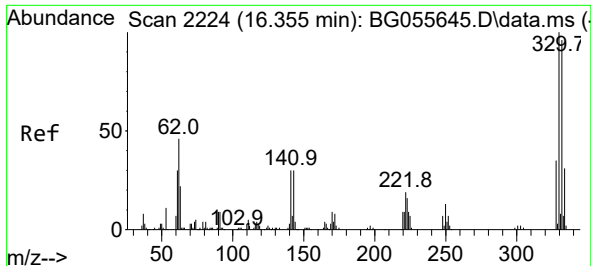
Tgt Ion: 82 Resp: 46188
Ion Ratio Lower Upper
82 100
128 40.9 34.1 51.1
54 58.7 47.3 70.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:164 Resp: 165354
Ion Ratio Lower Upper
164 100
162 100.2 81.1 121.7
160 44.5 34.8 52.2

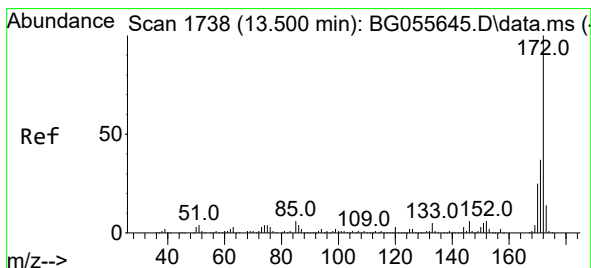
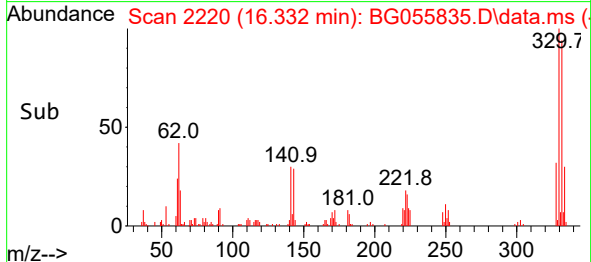
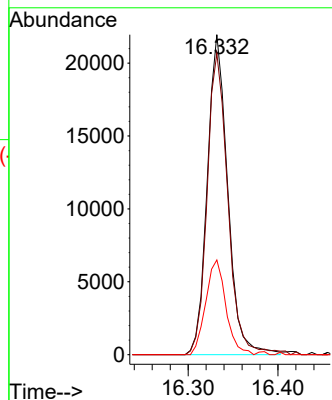
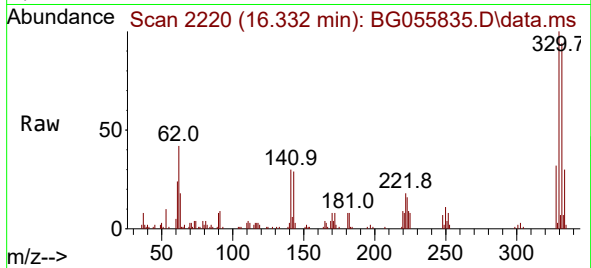




#42
2,4,6-Tribromophenol
Concen: 14.918 ng
RT: 16.332 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

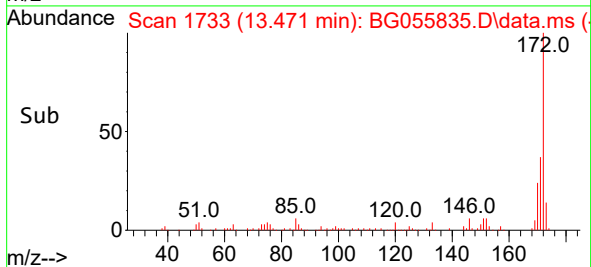
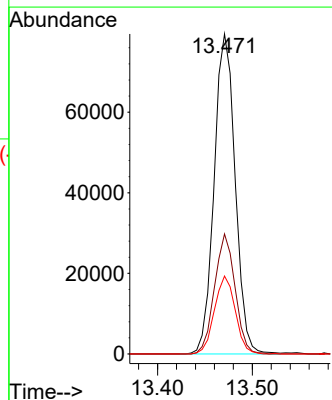
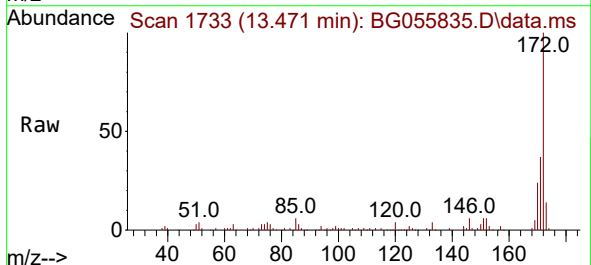
Instrument :
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ClientSampleId :
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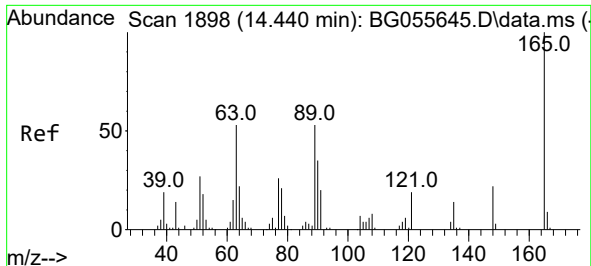
Tgt Ion:330 Resp: 34736
Ion Ratio Lower Upper
330 100
332 95.8 77.8 116.8
141 29.1 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 11.083 ng
RT: 13.471 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:172 Resp: 122322
Ion Ratio Lower Upper
172 100
171 37.5 29.8 44.6
170 24.4 20.2 30.4

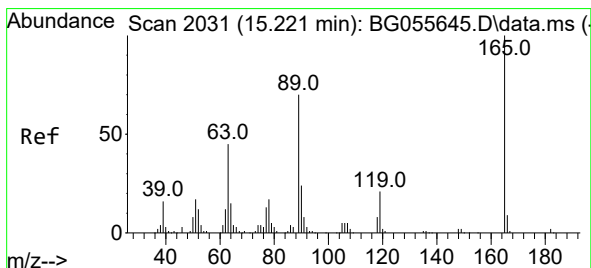
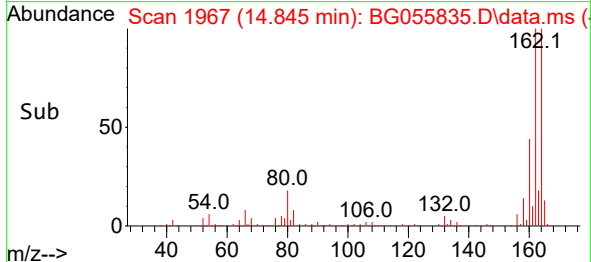
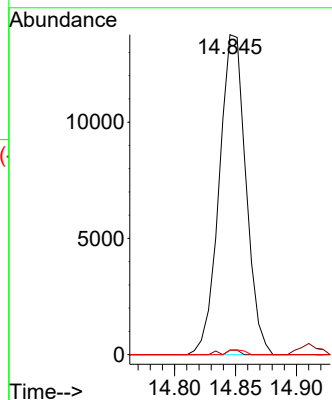
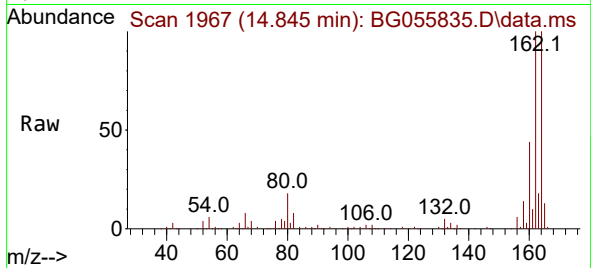




#51
2,6-Dinitrotoluene
Concen: 7.788 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.427 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

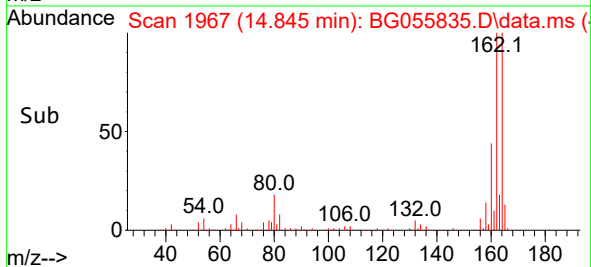
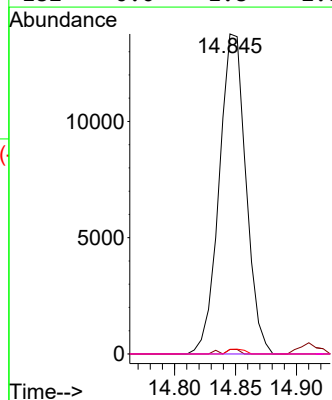
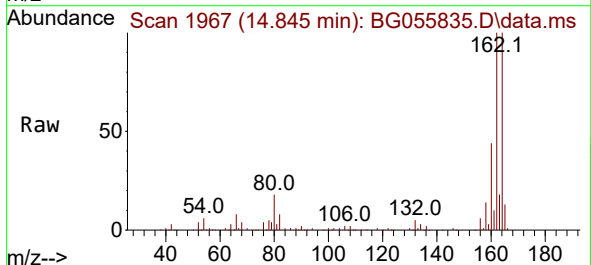
Instrument :
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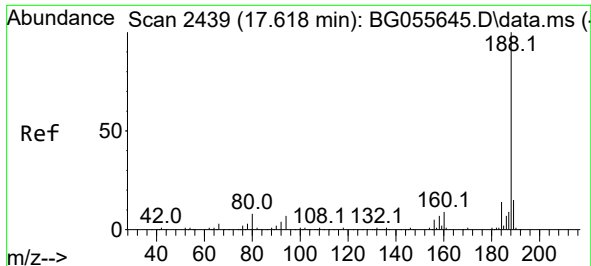
Tgt Ion:165 Resp: 20991
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 1.5 42.2 63.4#



#57
2,4-Dinitrotoluene
Concen: 5.524 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.360 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:165 Resp: 20991
Ion Ratio Lower Upper
165 100
63 1.4 35.8 53.8#
89 1.5 56.2 84.4#
182 0.0 1.8 2.8#

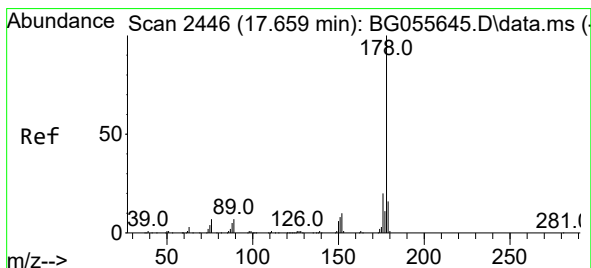
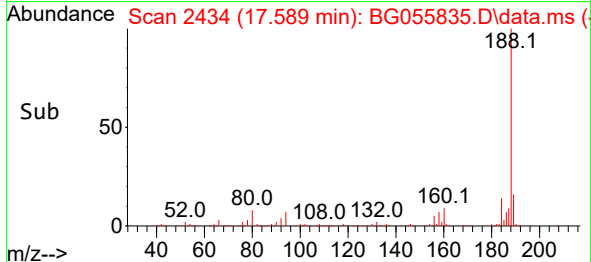
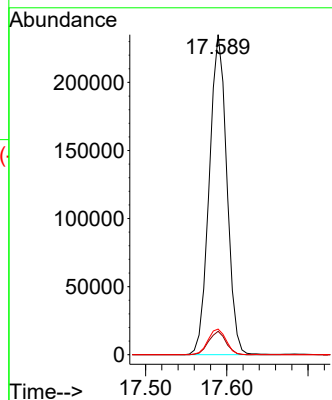
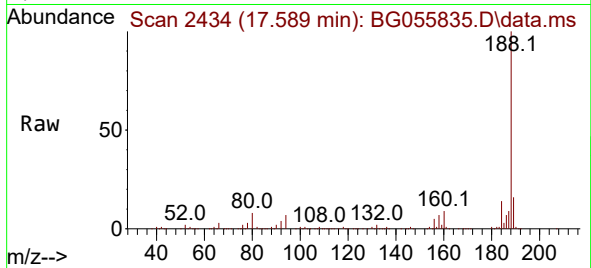




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

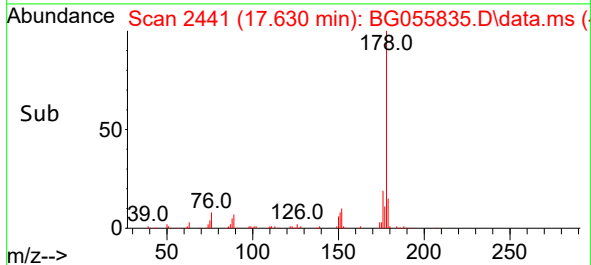
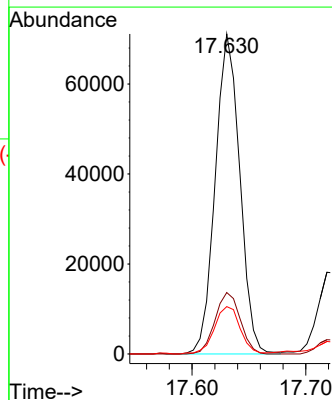
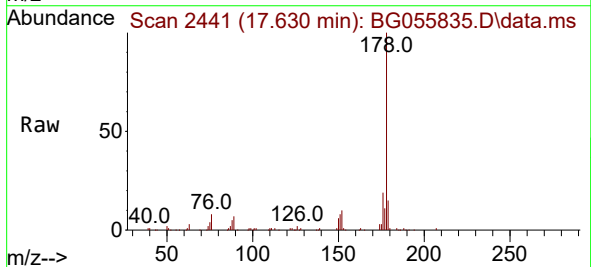
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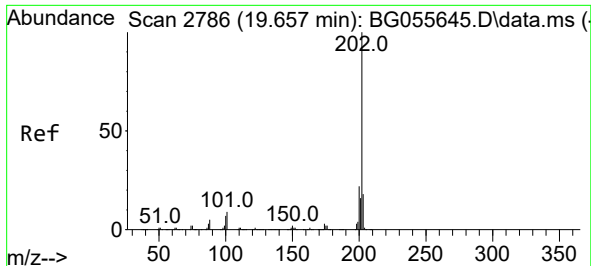
Tgt Ion:188 Resp: 351997
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.0 6.6 10.0



#71
Phenanthrene
Concen: 5.609 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:178 Resp: 106546
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 14.8 12.7 19.1

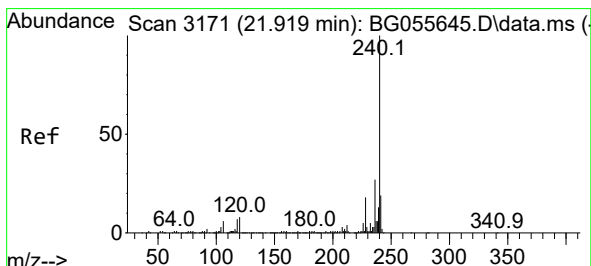
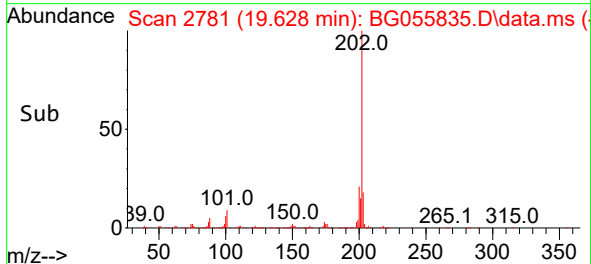
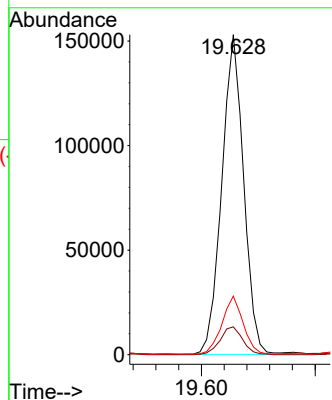
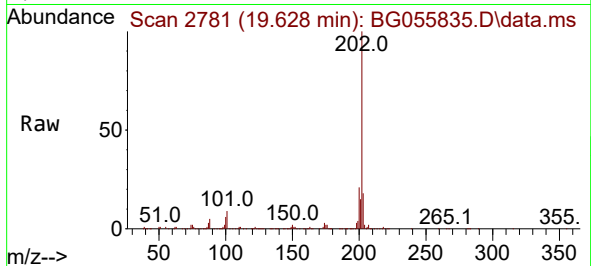




#75
Fluoranthene
Concen: 8.817 ng
RT: 19.628 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

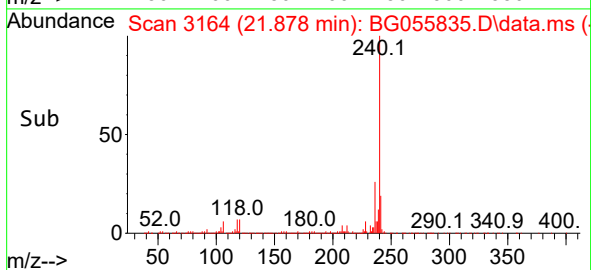
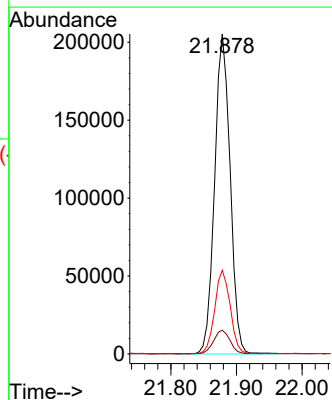
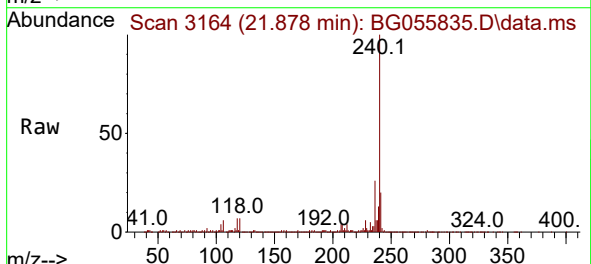
Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

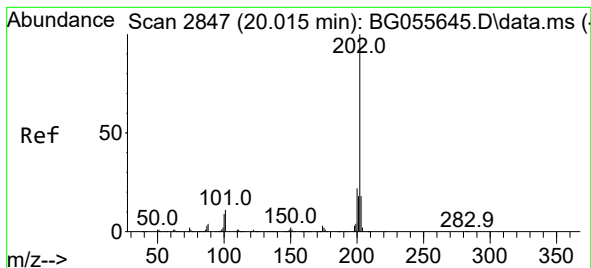
Tgt Ion:202 Resp: 203753
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:240 Resp: 336669
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.2 21.9 32.9





#78

Pyrene

Concen: 8.218 ng

RT: 19.986 min Scan# 2842

Delta R.T. -0.008 min

Lab File: BG055835.D

Acq: 29 Nov 2022 19:27

Instrument :

BNA_G

ClientSampleId :

WSH-STOCK-1128

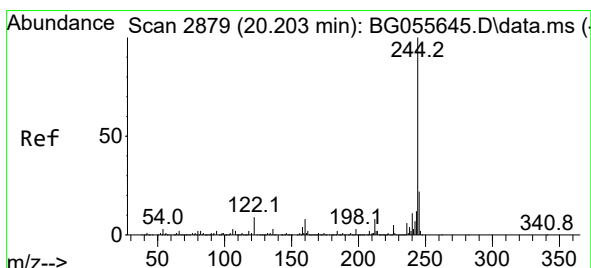
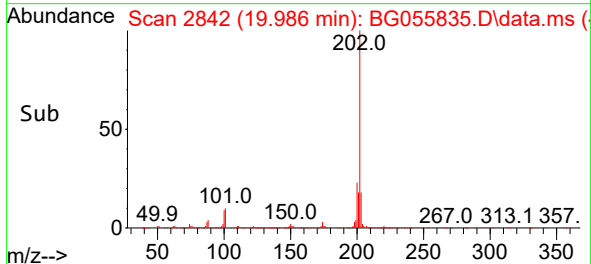
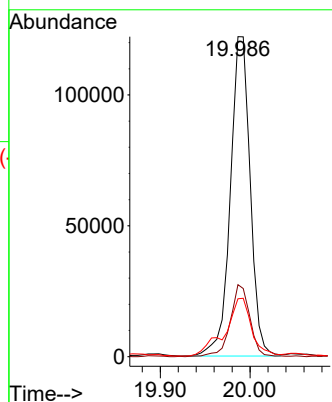
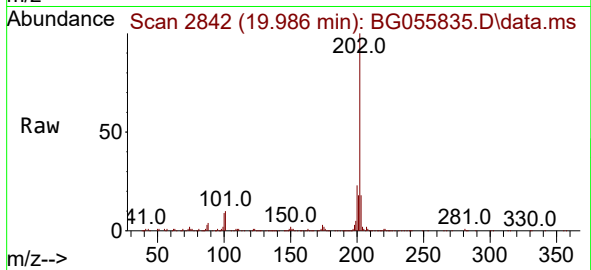
Tgt Ion:202 Resp: 187279

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 18.1 14.4 21.6



#79

Terphenyl-d14

Concen: 11.586 ng

RT: 20.169 min Scan# 2873

Delta R.T. -0.008 min

Lab File: BG055835.D

Acq: 29 Nov 2022 19:27

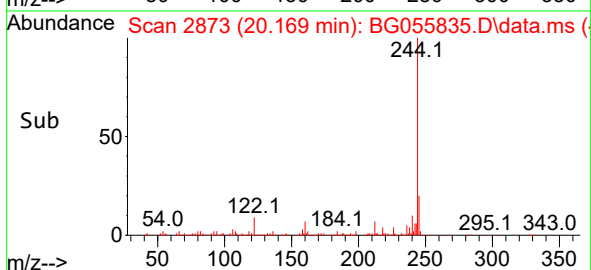
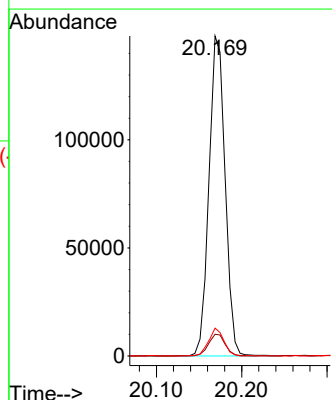
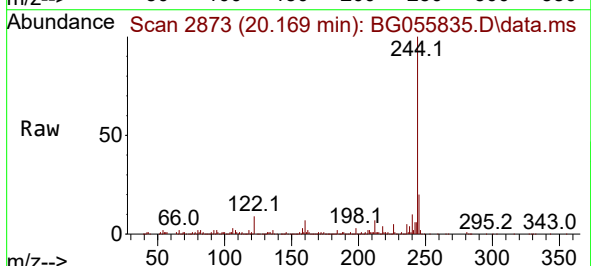
Tgt Ion:244 Resp: 195027

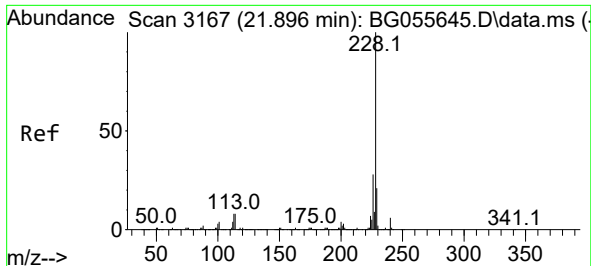
Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

122 8.7 6.9 10.3

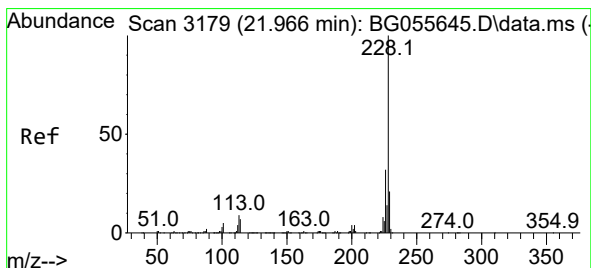
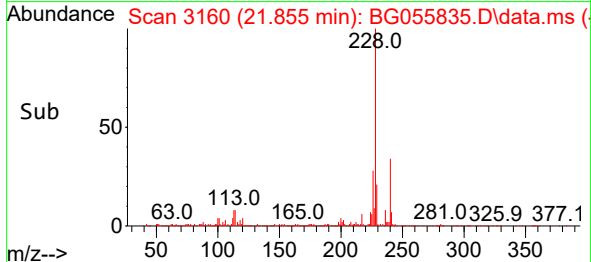
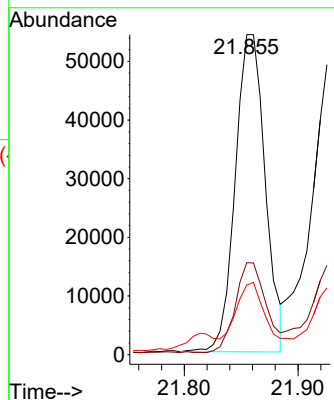
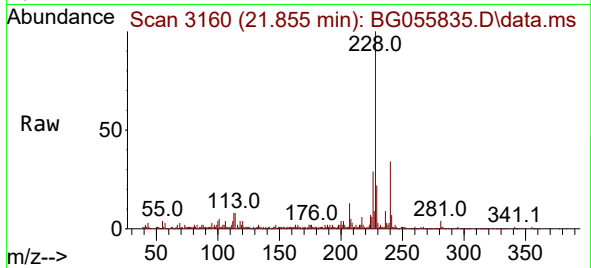




#81
Benzo(a)anthracene
Concen: 4.268 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.008 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

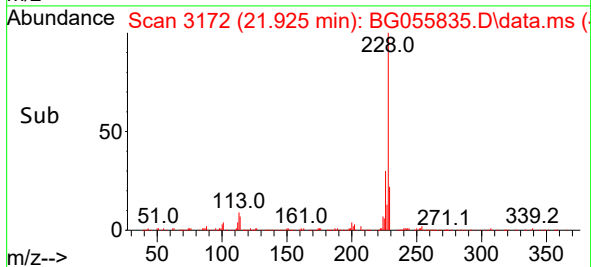
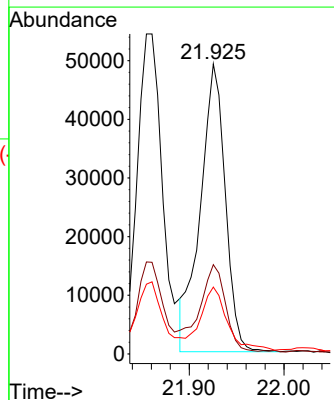
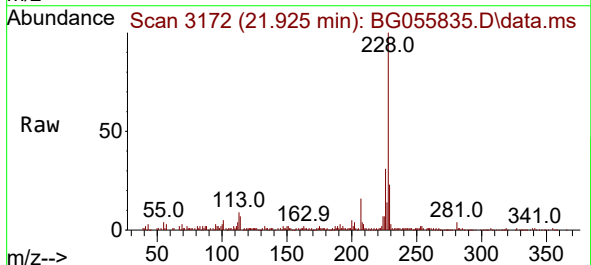
Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

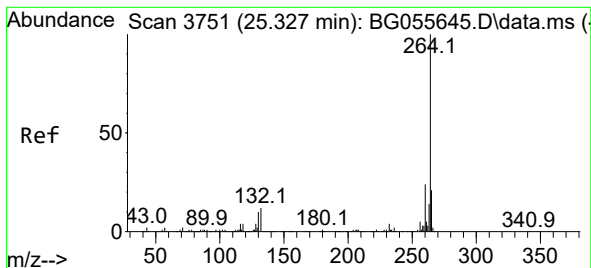
Tgt Ion:228 Resp: 98960
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.8 16.5 24.7



#83
Chrysene
Concen: 4.070 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.008 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:228 Resp: 89855
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.2
229 23.0 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.269 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG055835.D

Acq: 29 Nov 2022 19:27

Instrument :

BNA_G

ClientSampleId :

WSH-STOCK-1128

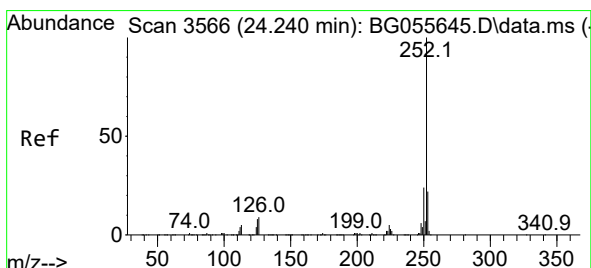
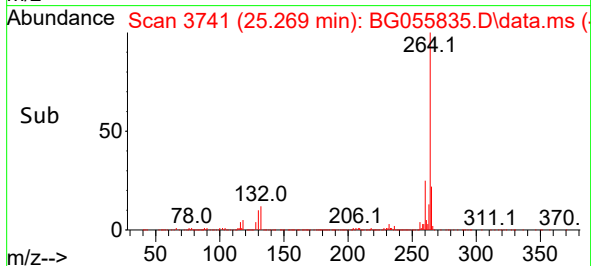
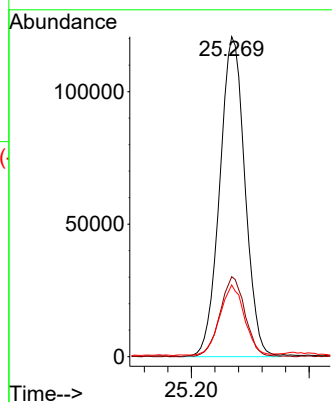
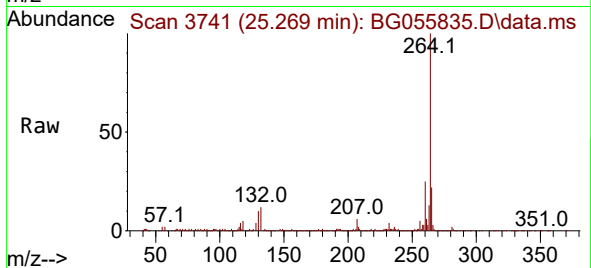
Tgt Ion:264 Resp: 358978

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.4 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 5.161 ng

RT: 24.182 min Scan# 3556

Delta R.T. -0.008 min

Lab File: BG055835.D

Acq: 29 Nov 2022 19:27

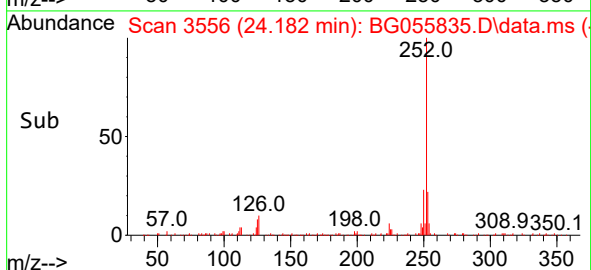
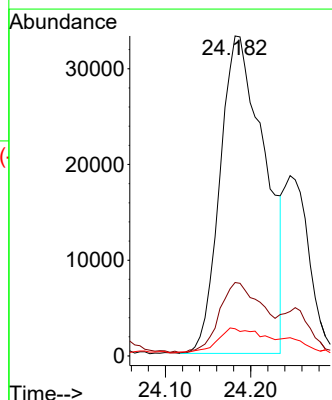
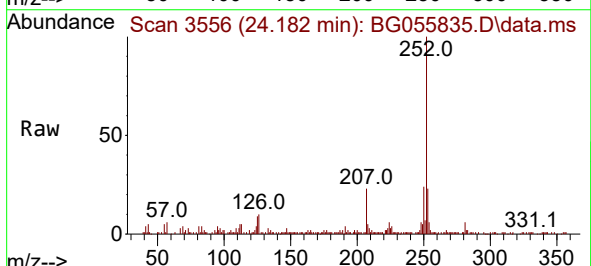
Tgt Ion:252 Resp: 120648

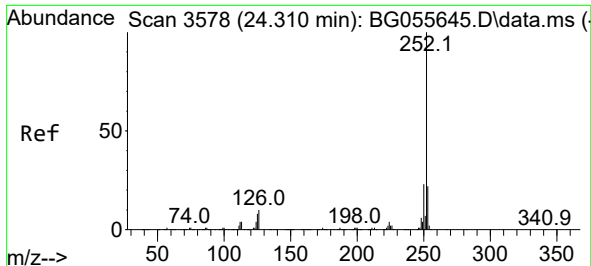
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 8.5 6.2 9.2

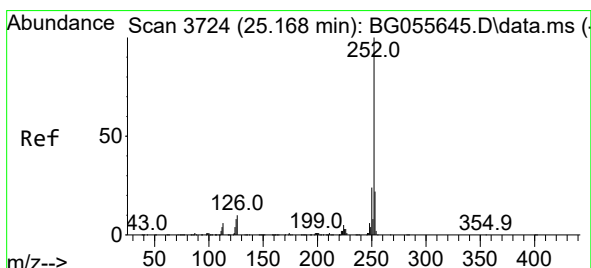
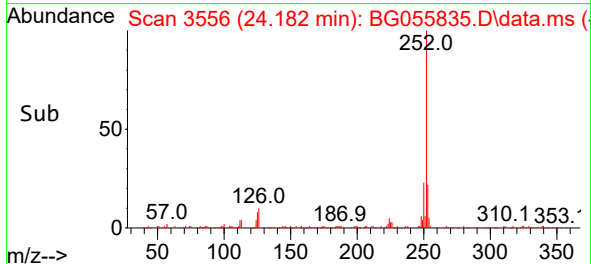
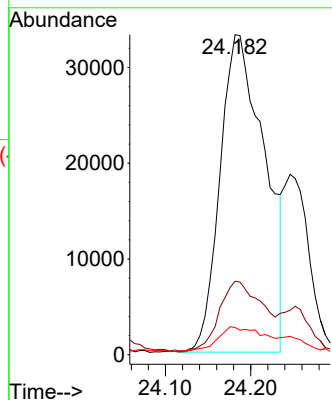
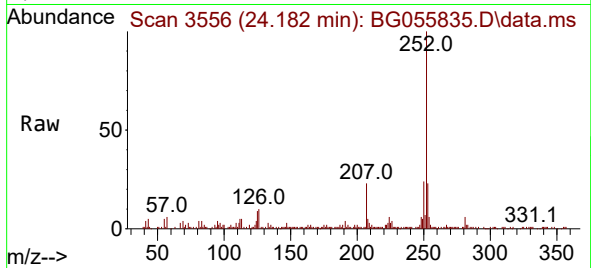




#89
Benzo(k)fluoranthene
Concen: 5.177 ng
RT: 24.182 min Scan# 31
Delta R.T. -0.084 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Instrument :
BNA_G
ClientSampleId :
WSH-STOCK-1128

Tgt Ion:252 Resp: 120648
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 8.5 6.1 9.1



#90
Benzo(a)pyrene
Concen: 4.439 ng
RT: 25.104 min Scan# 3713
Delta R.T. -0.014 min
Lab File: BG055835.D
Acq: 29 Nov 2022 19:27

Tgt Ion:252 Resp: 89061
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 9.7 6.4 9.6#

