

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056373.D
 Acq On : 20 Jan 2023 18:47
 Operator : CG/JU
 Sample : 01232-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P-18B

Quant Time: Jan 23 00:01:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

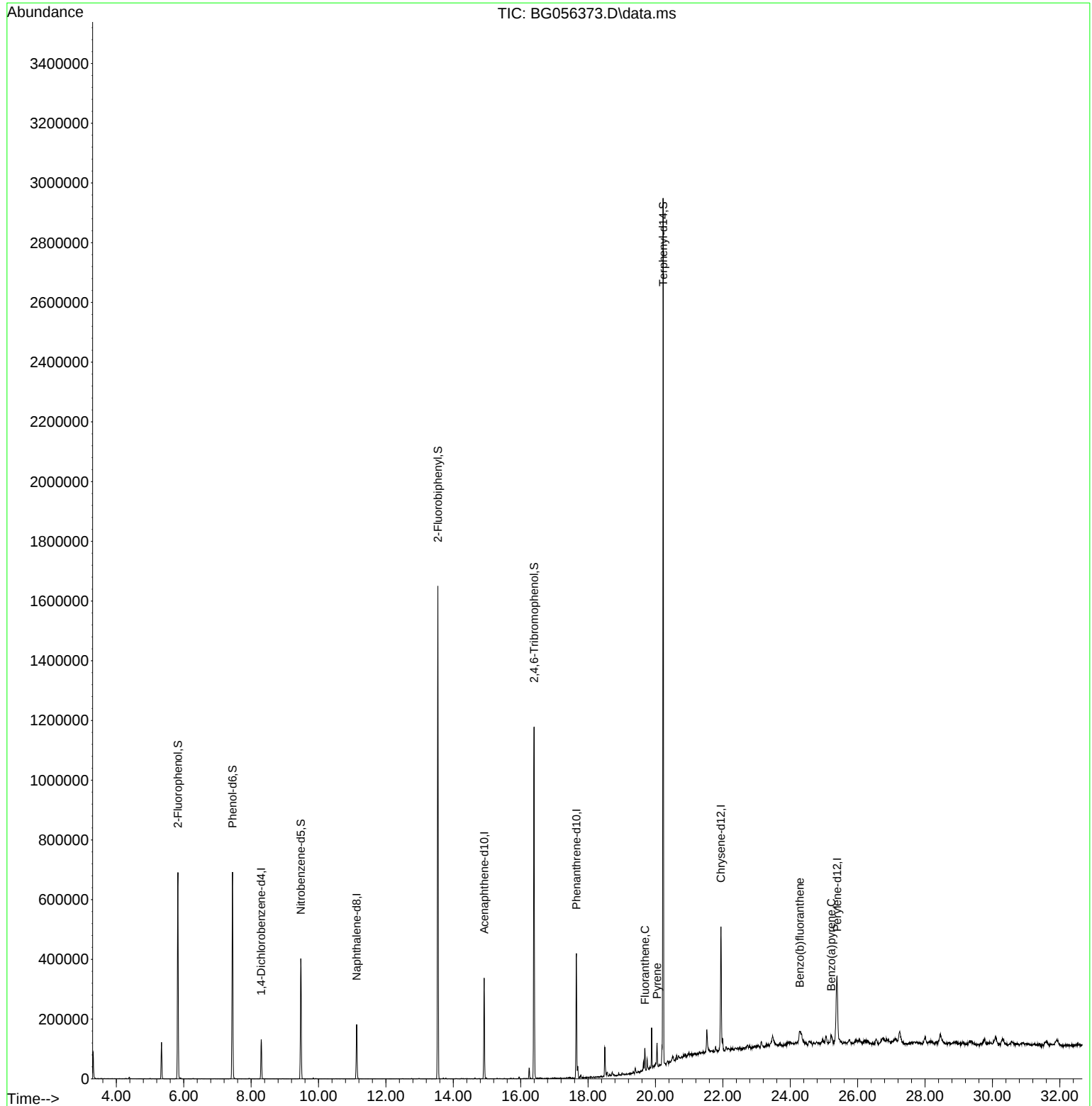
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.301	152	44014	20.000	ng	0.00
21) Naphthalene-d8	11.133	136	169116	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	128743	20.000	ng	0.00
64) Phenanthrene-d10	17.654	188	300749	20.000	ng	0.00
76) Chrysene-d12	21.944	240	276762	20.000	ng	#-0.01
86) Perylene-d12	25.387	264	300974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	392614	159.270	ng	0.00
7) Phenol-d6	7.449	99	538720	142.305	ng	0.00
23) Nitrobenzene-d5	9.476	82	282239	85.367	ng	-0.01
42) 2,4,6-Tribromophenol	16.397	330	245967	150.853	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	921087	98.796	ng	0.00
79) Terphenyl-d14	20.228	244	1549088	100.248	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.687	202	53238	2.619	ng	96
78) Pyrene	20.046	202	57279	2.936	ng	100
88) Benzo(b)fluoranthene	24.282	252	54986	2.875	ng	# 87
90) Benzo(a)pyrene	25.216	252	38017	2.038	ng	# 90

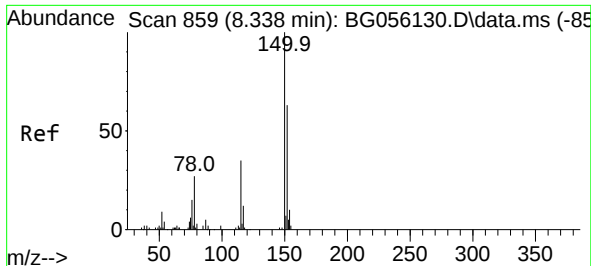
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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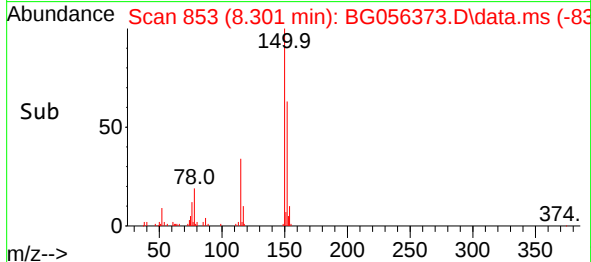
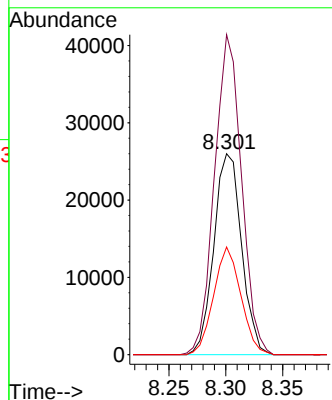
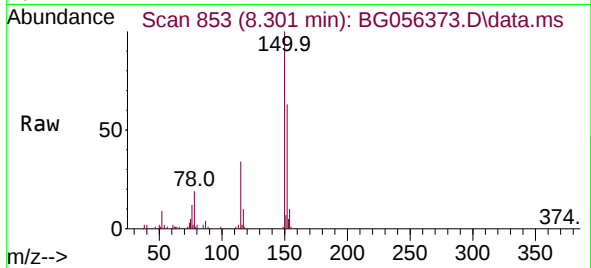




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.301 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

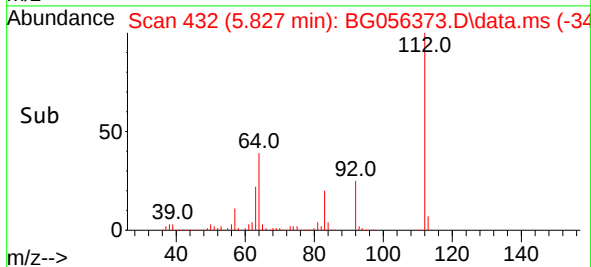
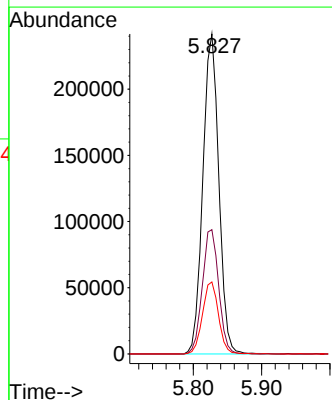
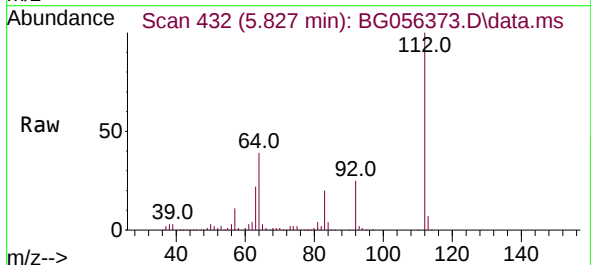
Instrument :
 BNA_G
 ClientSampleId :
 B-P-18B

Tgt Ion:152 Resp: 44014
 Ion Ratio Lower Upper
 152 100
 150 159.3 127.9 191.9
 115 53.6 44.2 66.2



#5
 2-Fluorophenol
 Concen: 159.270 ng
 RT: 5.827 min Scan# 432
 Delta R.T. 0.001 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

Tgt Ion:112 Resp: 392614
 Ion Ratio Lower Upper
 112 100
 64 38.8 33.3 49.9
 63 22.5 19.0 28.4

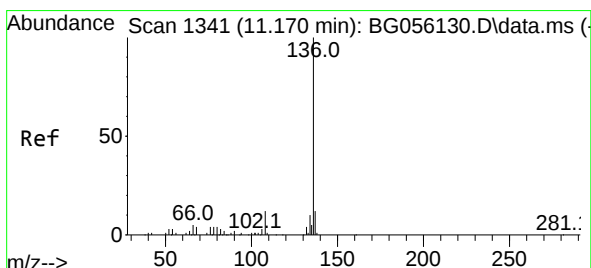
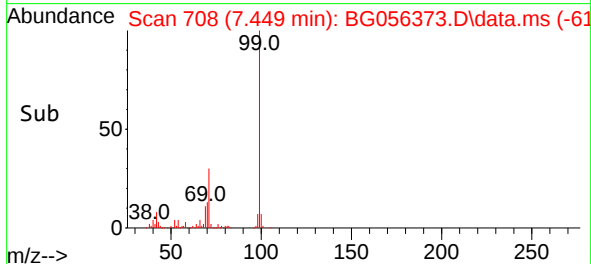
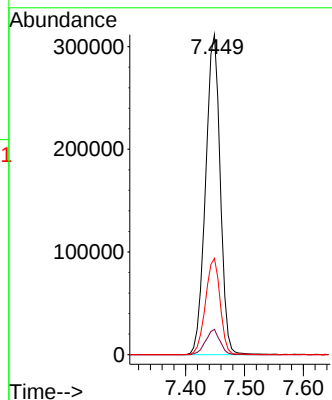
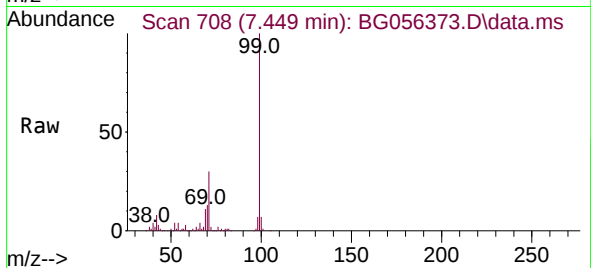




#7
Phenol-d6
Concen: 142.305 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

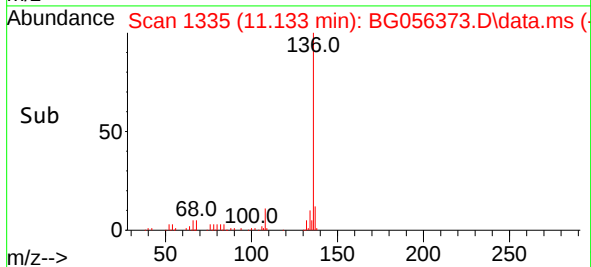
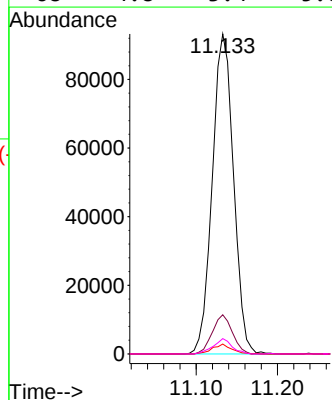
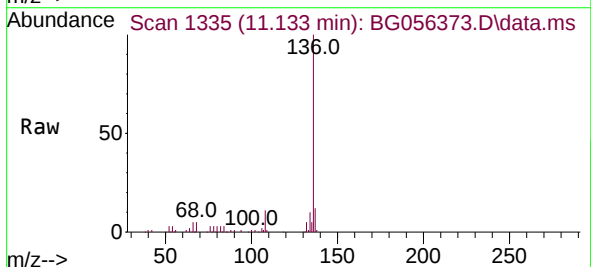
Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion: 99 Resp: 538720
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 30.1 25.4 38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.133 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion: 136 Resp: 169116
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.0
54 3.1 2.2 3.2
68 4.8 3.4 5.0





#23

Nitrobenzene-d5

Concen: 85.367 ng

RT: 9.476 min Scan# 1053

Delta R.T. -0.011 min

Lab File: BG056373.D

Acq: 20 Jan 2023 18:47

Instrument :

BNA_G

ClientSampleId :

B-P-18B

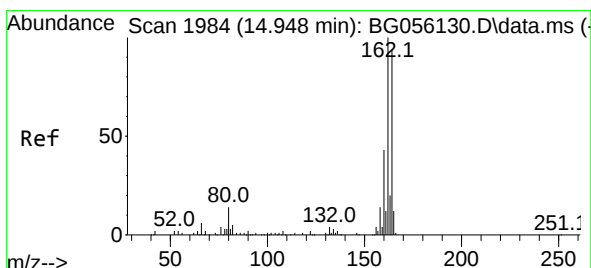
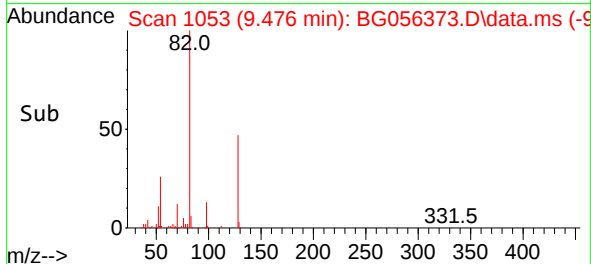
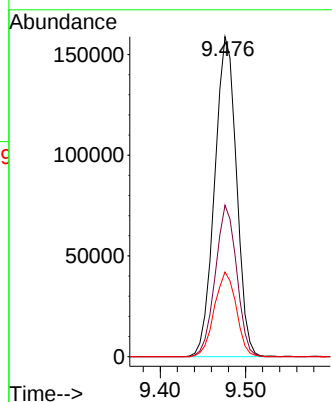
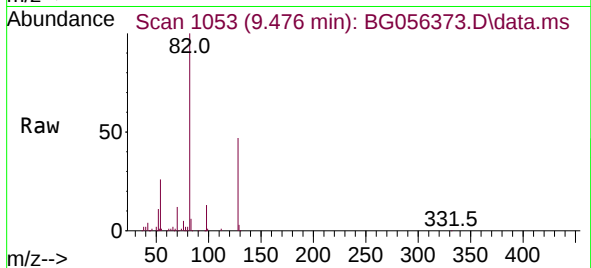
Tgt Ion: 82 Resp: 282239

Ion Ratio Lower Upper

82 100

128 47.3 33.4 50.2

54 26.4 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.916 min Scan# 1979

Delta R.T. -0.005 min

Lab File: BG056373.D

Acq: 20 Jan 2023 18:47

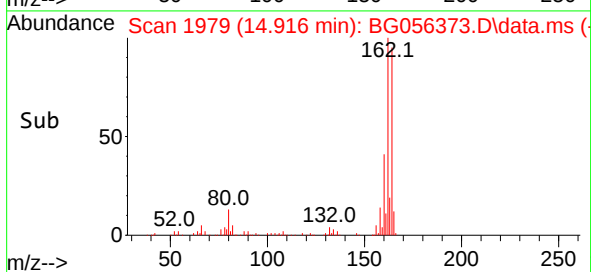
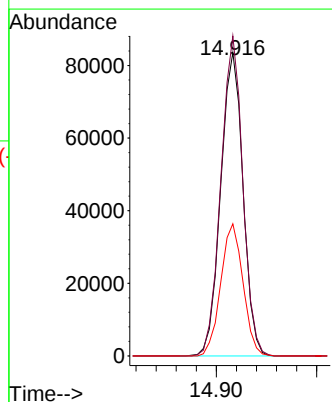
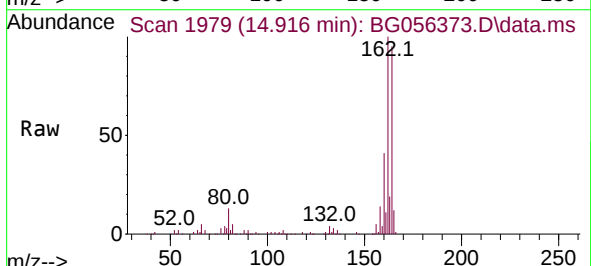
Tgt Ion: 164 Resp: 128743

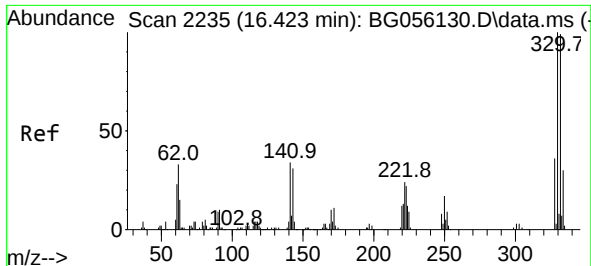
Ion Ratio Lower Upper

164 100

162 105.4 84.7 127.1

160 43.5 36.3 54.5

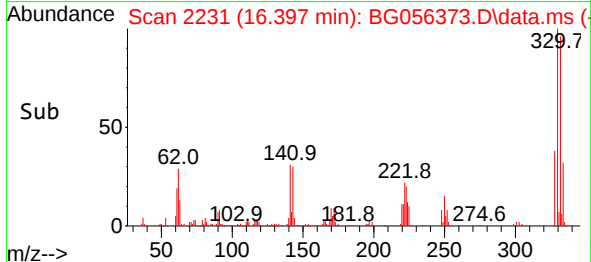
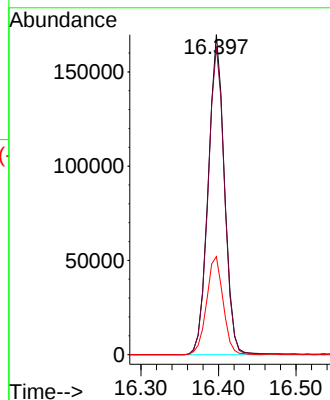
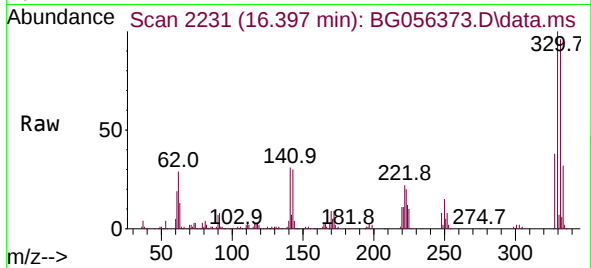




#42
 2,4,6-Tribromophenol
 Concen: 150.853 ng
 RT: 16.397 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

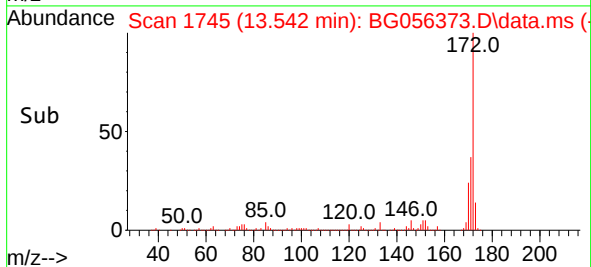
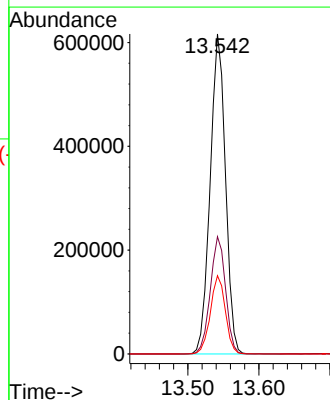
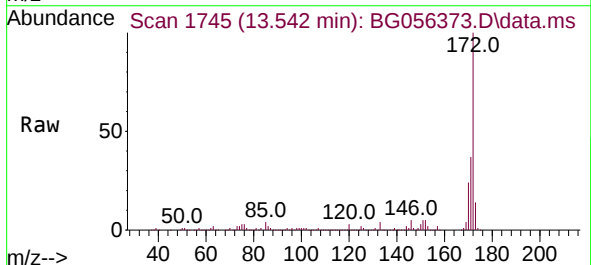
Instrument :
 BNA_G
 ClientSampleId :
 B-P-18B

Tgt Ion:330 Resp: 245967
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.3 115.9
 141 31.2 27.9 41.9



#45
 2-Fluorobiphenyl
 Concen: 98.796 ng
 RT: 13.542 min Scan# 1745
 Delta R.T. -0.005 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

Tgt Ion:172 Resp: 921087
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.4 19.4 29.2

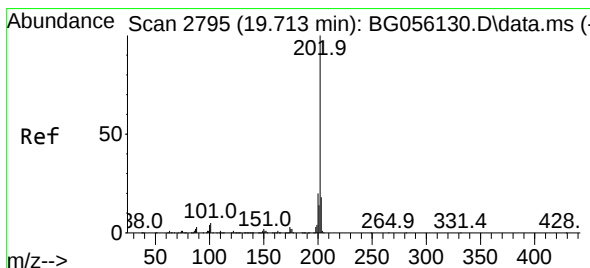
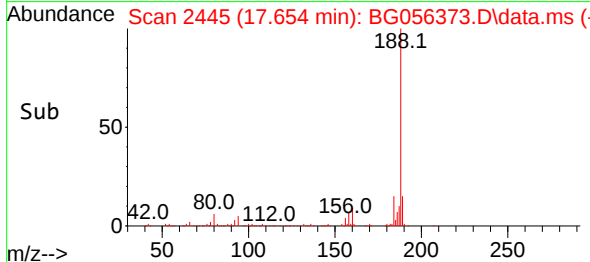
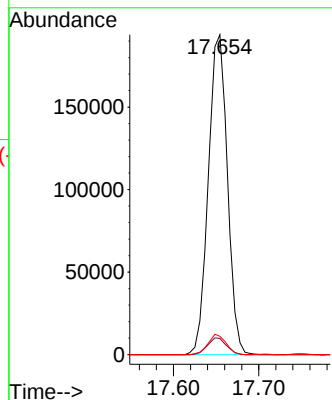
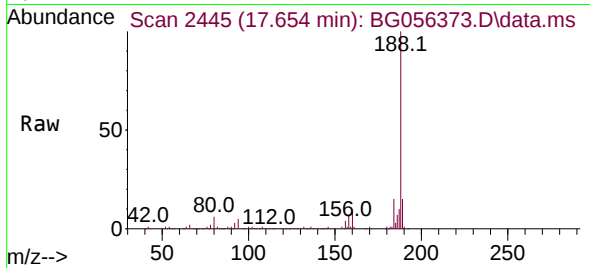




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.654 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

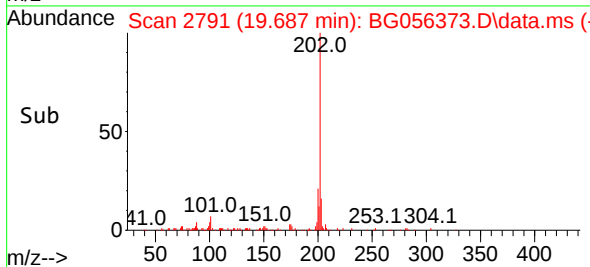
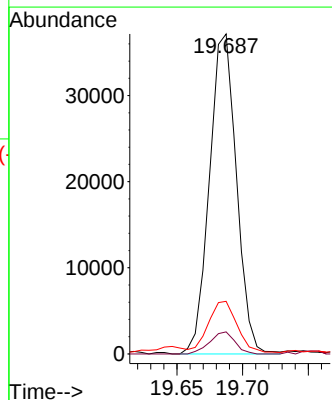
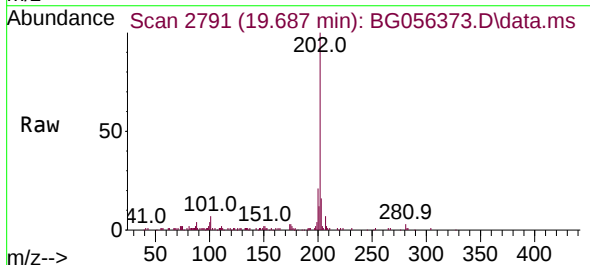
Instrument :
BNA_G
ClientSampleId :
B-P-18B

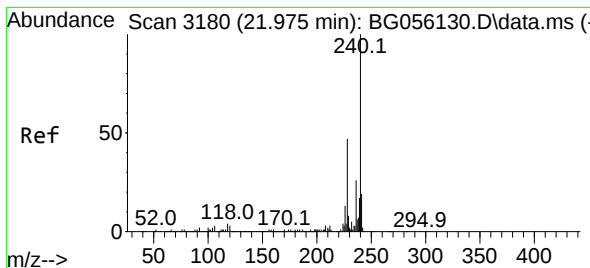
Tgt Ion:188 Resp: 300749
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 5.7 5.0 7.4



#75
Fluoranthene
Concen: 2.619 ng
RT: 19.687 min Scan# 2791
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:202 Resp: 53238
Ion Ratio Lower Upper
202 100
101 6.9 0.0 25.0
203 16.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.944 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG056373.D

Acq: 20 Jan 2023 18:47

Instrument :

BNA_G

ClientSampleId :

B-P-18B

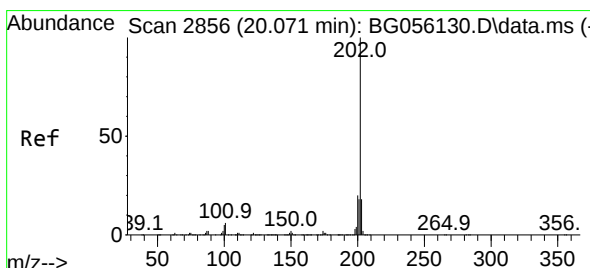
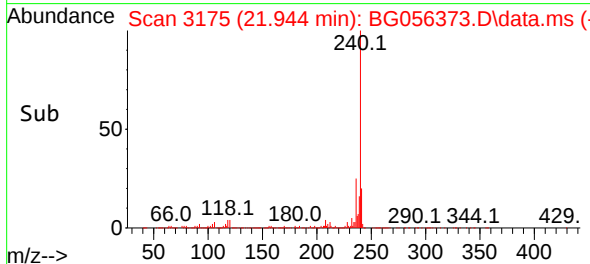
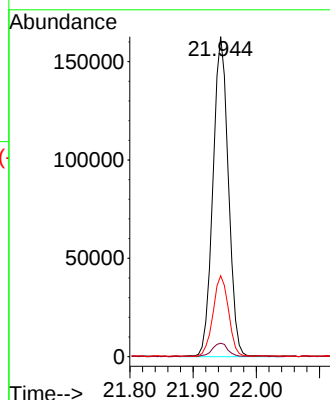
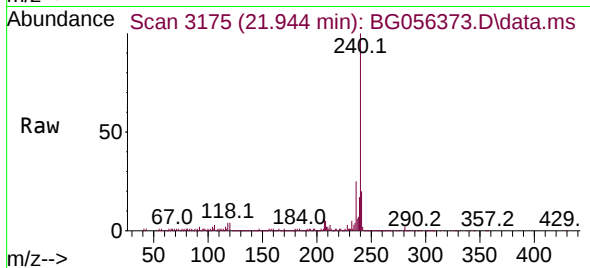
Tgt Ion:240 Resp: 276762

Ion Ratio Lower Upper

240 100

120 4.2 2.6 4.0#

236 25.3 20.8 31.2



#78

Pyrene

Concen: 2.936 ng

RT: 20.046 min Scan# 2852

Delta R.T. -0.005 min

Lab File: BG056373.D

Acq: 20 Jan 2023 18:47

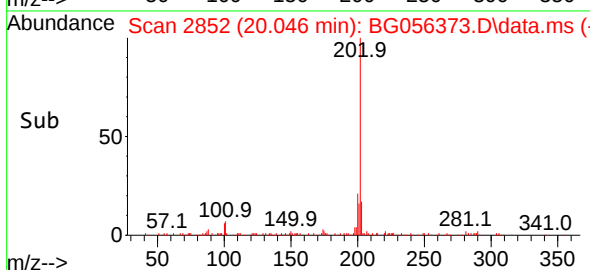
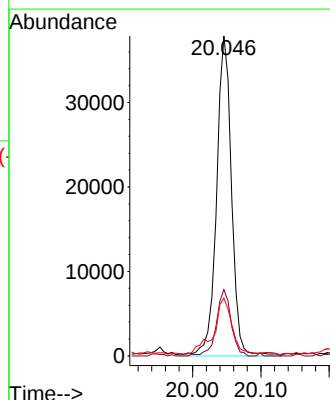
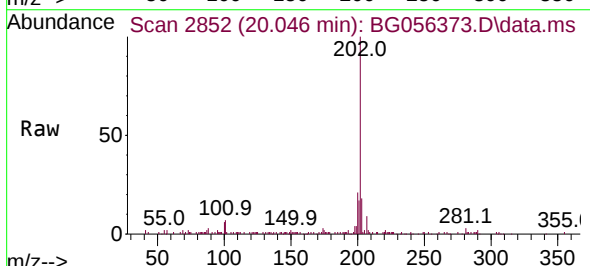
Tgt Ion:202 Resp: 57279

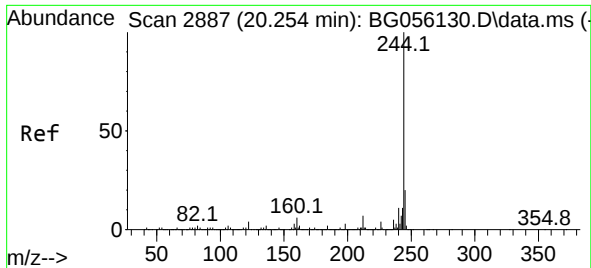
Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 18.0 14.3 21.5

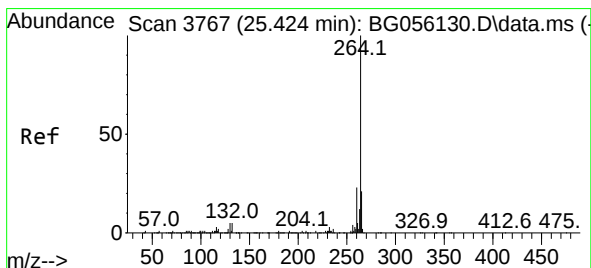
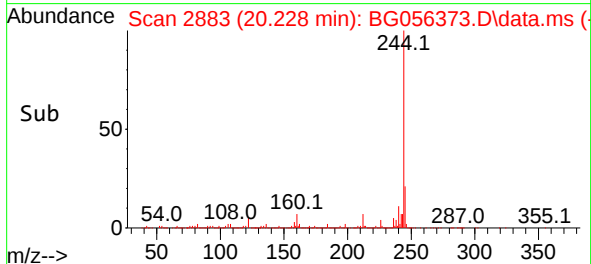
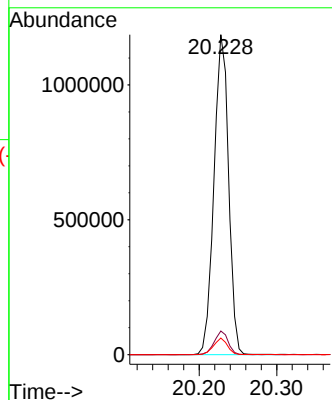
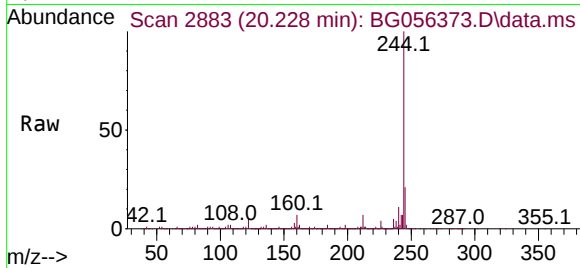




#79
 Terphenyl-d14
 Concen: 100.248 ng
 RT: 20.228 min Scan# 2883
 Delta R.T. -0.005 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

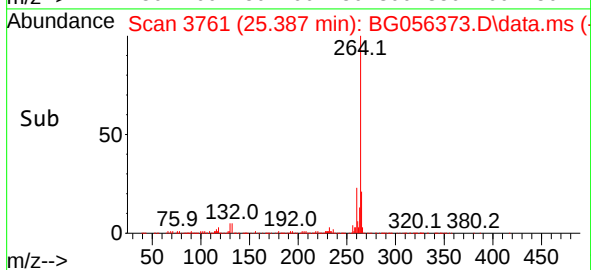
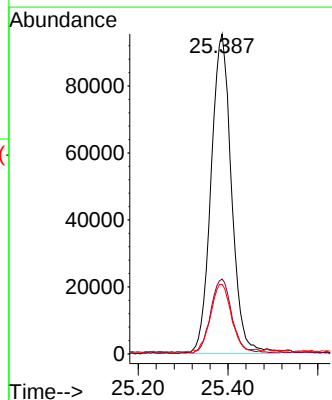
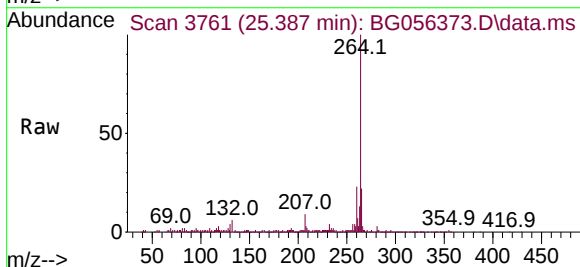
Instrument :
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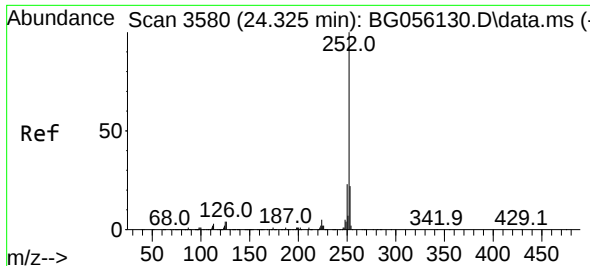
Tgt Ion:244 Resp: 1549088
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 5.2 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.387 min Scan# 3761
 Delta R.T. -0.005 min
 Lab File: BG056373.D
 Acq: 20 Jan 2023 18:47

Tgt Ion:264 Resp: 300974
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.7 16.7 25.1

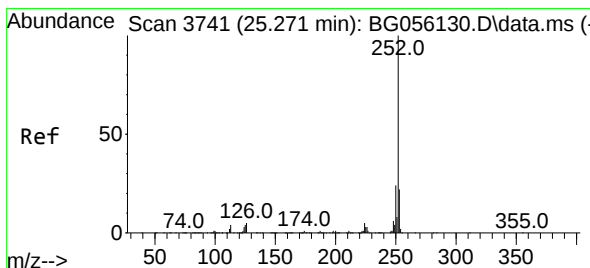
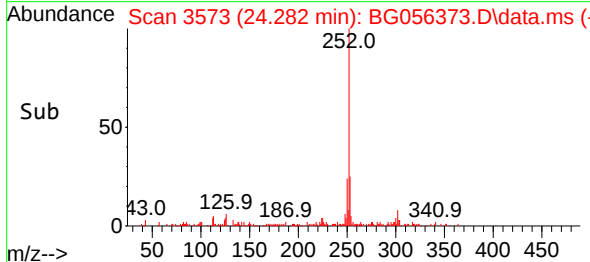
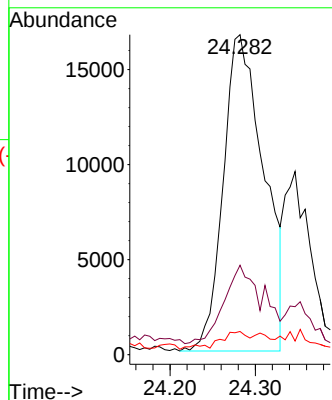
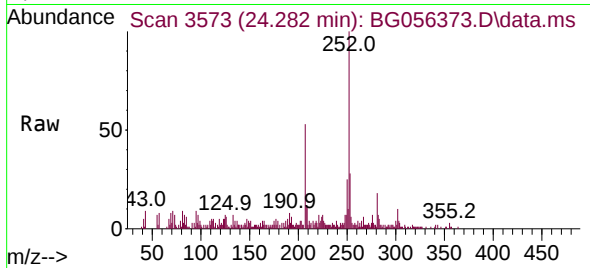




#88
Benzo(b)fluoranthene
Concen: 2.875 ng
RT: 24.282 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:252 Resp: 54986
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.2#
125 7.2 3.0 4.4#



#90
Benzo(a)pyrene
Concen: 2.038 ng
RT: 25.216 min Scan# 3732
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:252 Resp: 38017
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.2#
125 7.8 3.2 4.8#

