

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050922\
 Data File : BG053502.D
 Acq On : 9 May 2022 20:57
 Operator : CG/JU
 Sample : N2739-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124055

Quant Time: May 10 03:03:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 02:13:53 2022
 Response via : Initial Calibration

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

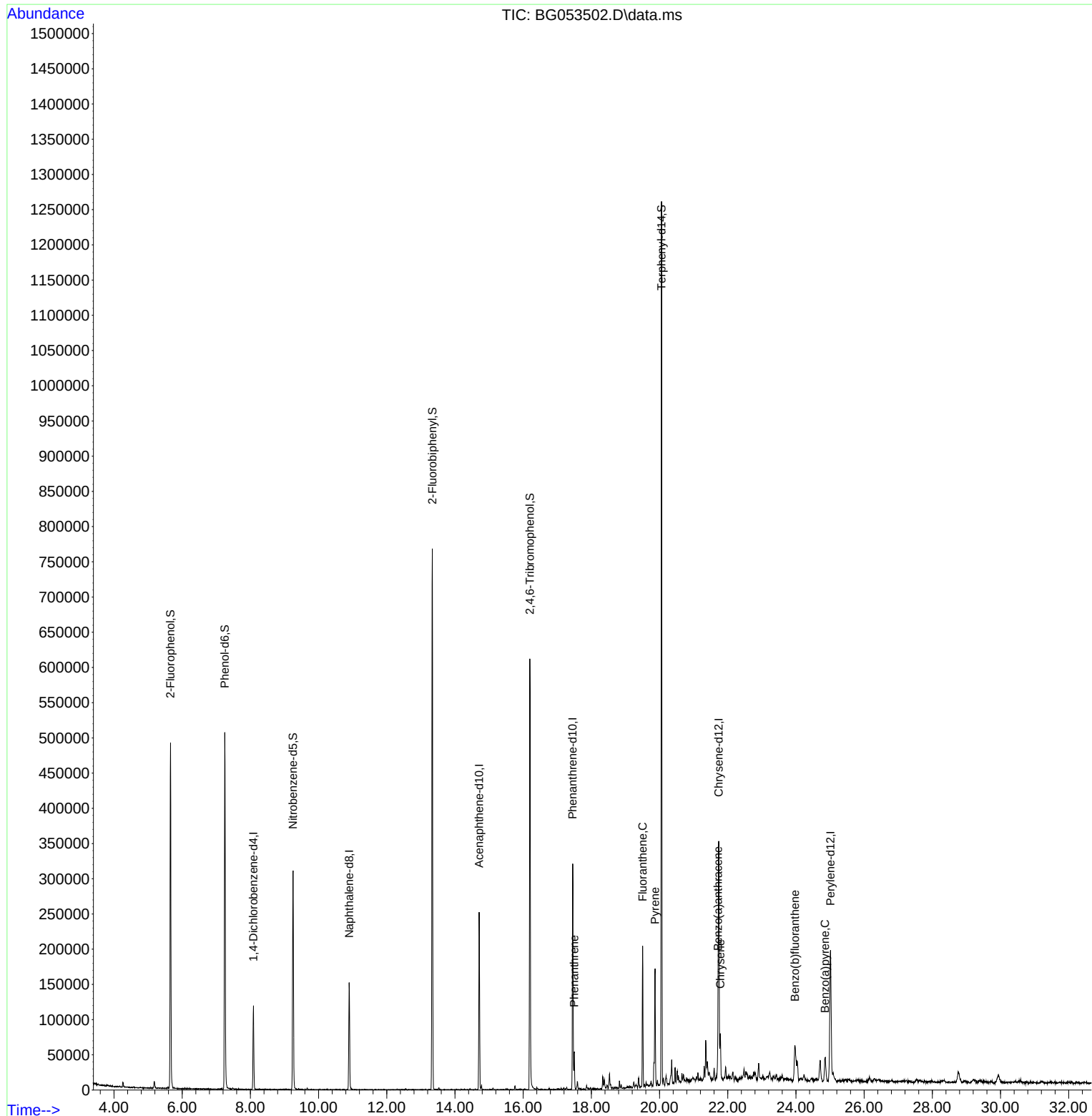
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	32455	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	127464	20.000	ng	-0.02
39) Acenaphthene-d10	14.710	164	90309	20.000	ng	0.00
64) Phenanthrene-d10	17.454	188	206527	20.000	ng	-0.01
76) Chrysene-d12	21.736	240	198543	20.000	ng	0.00
86) Perylene-d12	25.014	264	210048	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.658	112	201283	105.255	ng	0.00
7) Phenol-d6	7.250	99	291735	100.520	ng	0.00
23) Nitrobenzene-d5	9.247	82	204529	68.305	ng	-0.01
42) 2,4,6-Tribromophenol	16.197	330	124304	93.325	ng	-0.01
45) 2-Fluorobiphenyl	13.336	172	413571	66.919	ng	0.00
79) Terphenyl-d14	20.056	244	634325	59.504	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.501	178	35588	3.389	ng	100
75) Fluoranthene	19.504	202	127296	9.362	ng	97
78) Pyrene	19.868	202	116939	9.098	ng	99
81) Benzo(a)anthracene	21.713	228	52004	4.107	ng	95
83) Chrysene	21.783	228	54044	4.569	ng	97
88) Benzo(b)fluoranthene	23.968	252	66105	5.317	ng	# 98
90) Benzo(a)pyrene	24.856	252	42142	3.982	ng	# 87

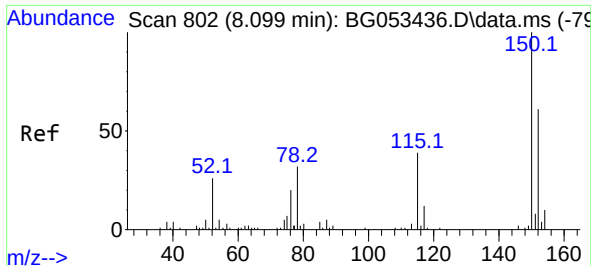
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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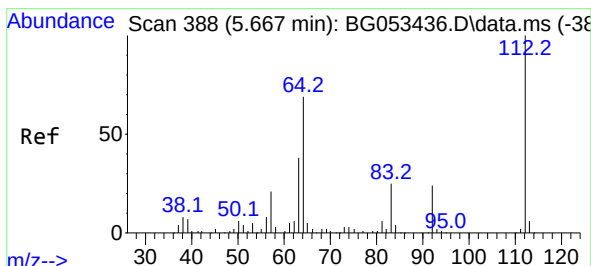
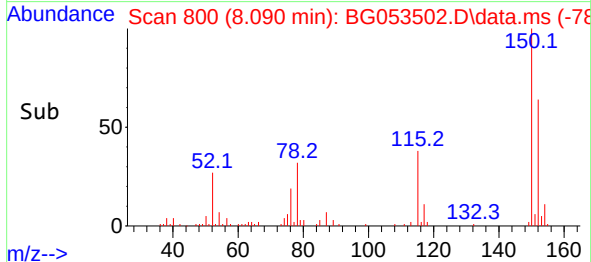
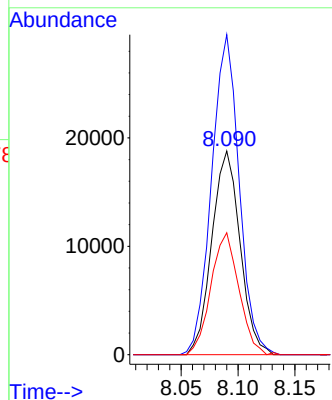
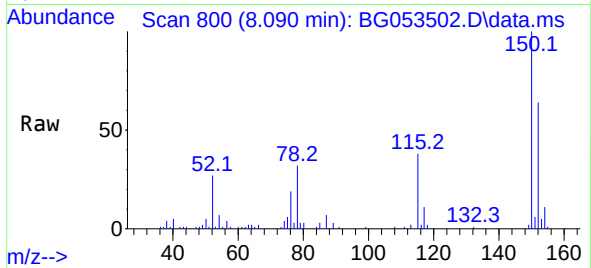




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.090 min Scan# 80
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

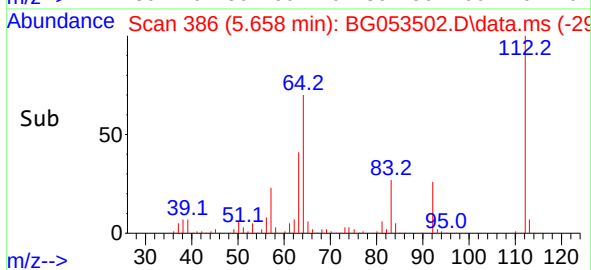
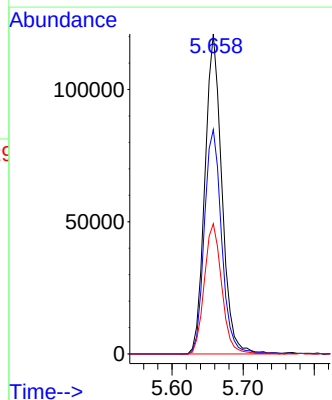
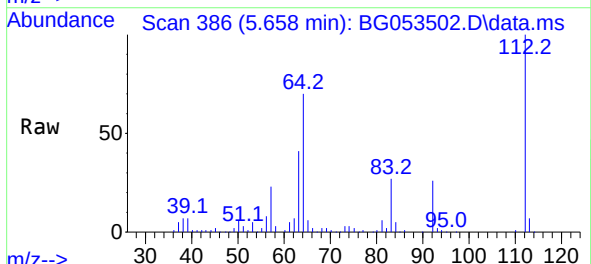
Instrument :
BNA_G
ClientSampleId :
124055

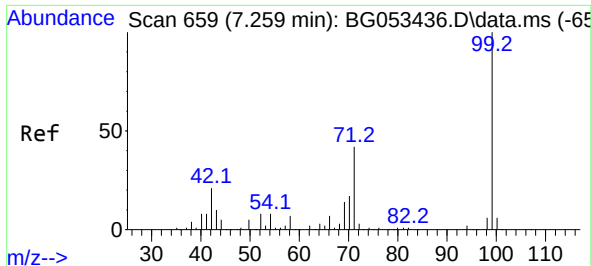
Tgt Ion:152 Resp: 32455
Ion Ratio Lower Upper
152 100
150 157.1 131.6 197.4
115 59.8 50.9 76.3



#5
2-Fluorophenol
Concen: 105.255 ng
RT: 5.658 min Scan# 386
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:112 Resp: 201283
Ion Ratio Lower Upper
112 100
64 70.1 55.1 82.7
63 40.7 30.4 45.6

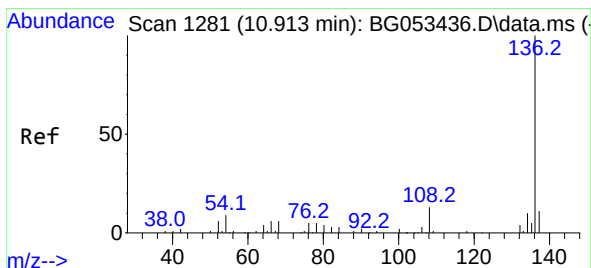
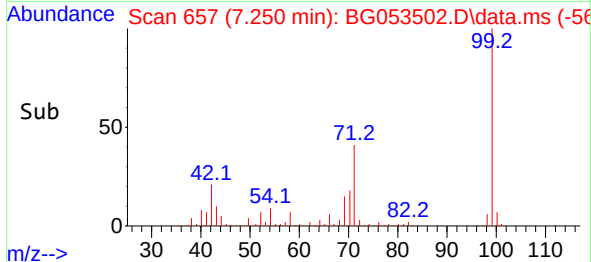
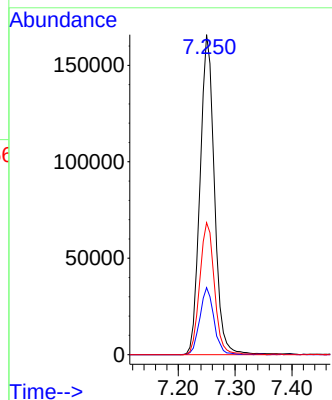
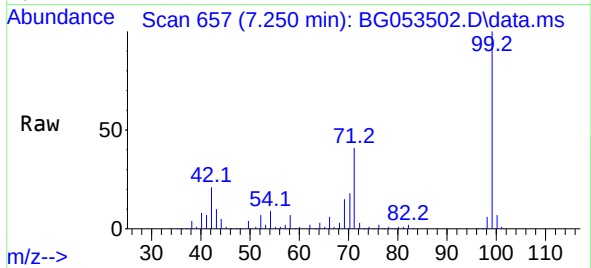




#7
Phenol-d6
Concen: 100.520 ng
RT: 7.250 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

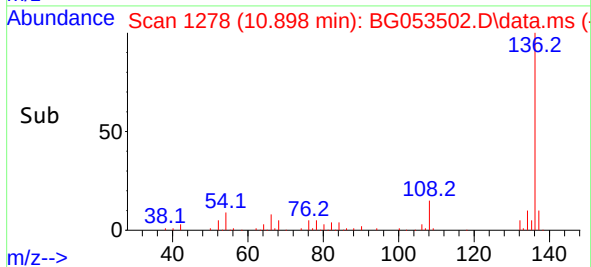
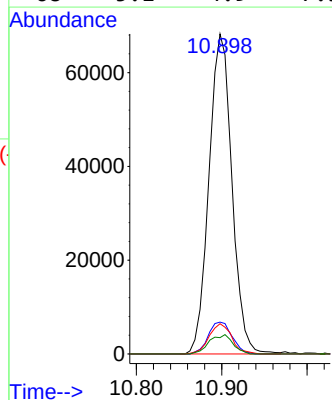
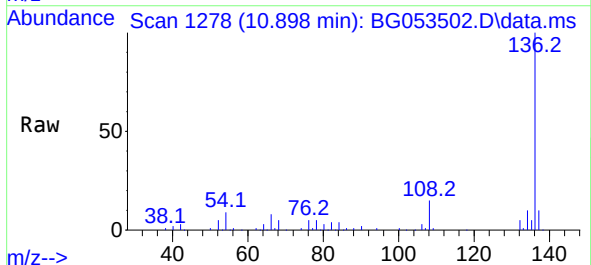
Instrument :
BNA_G
ClientSampleId :
124055

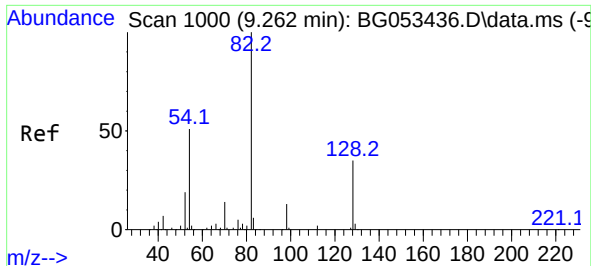
Tgt Ion: 99 Resp: 291735
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 41.2 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.898 min Scan# 1278
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion: 136 Resp: 127464
Ion Ratio Lower Upper
136 100
137 10.0 8.5 12.7
54 9.5 7.4 11.2
68 5.1 4.9 7.3

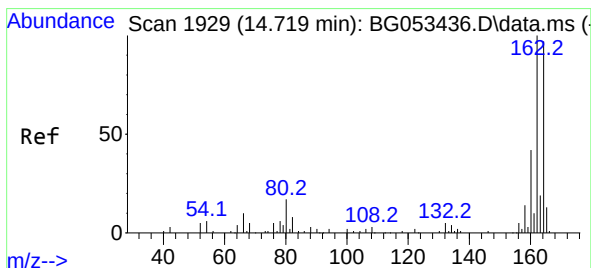
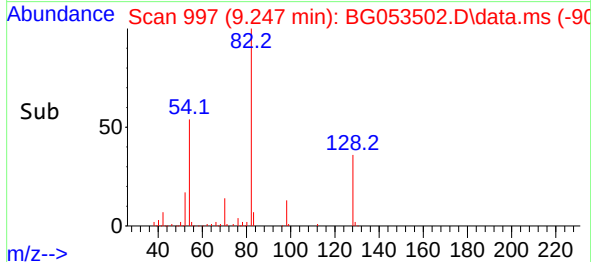
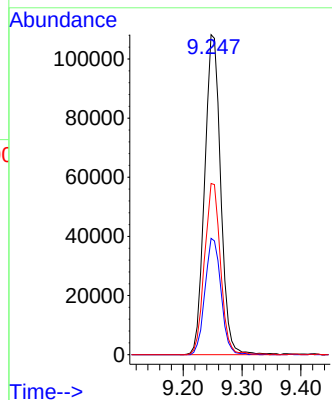
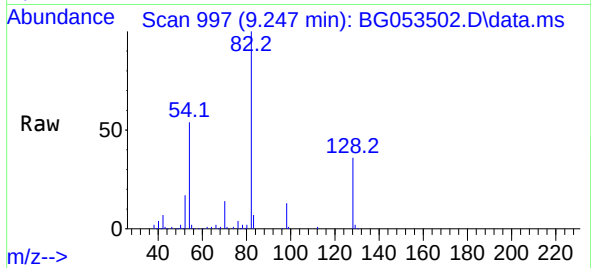




#23
Nitrobenzene-d5
Concen: 68.305 ng
RT: 9.247 min Scan# 91
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

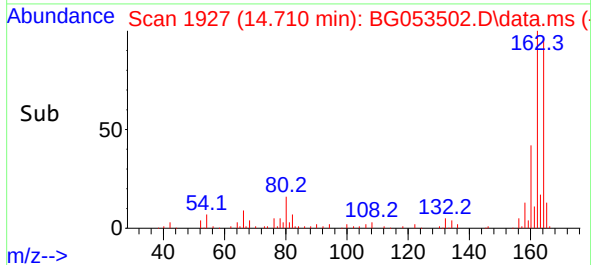
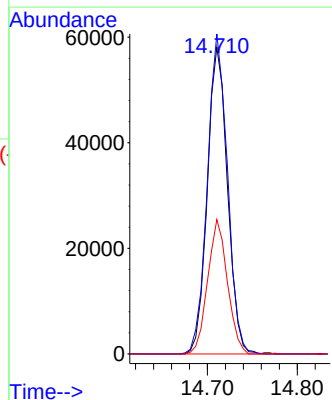
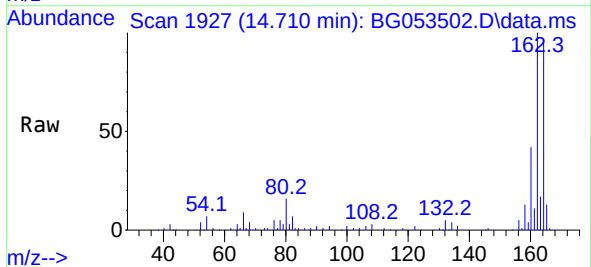
Instrument :
BNA_G
ClientSampleId :
124055

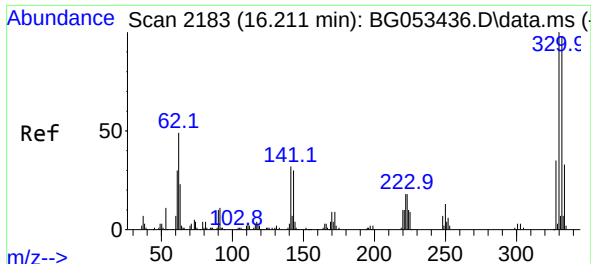
Tgt Ion: 82 Resp: 204529
Ion Ratio Lower Upper
82 100
128 36.4 27.9 41.9
54 53.5 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1927
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion: 164 Resp: 90309
Ion Ratio Lower Upper
164 100
162 104.3 82.3 123.5
160 43.8 34.2 51.2

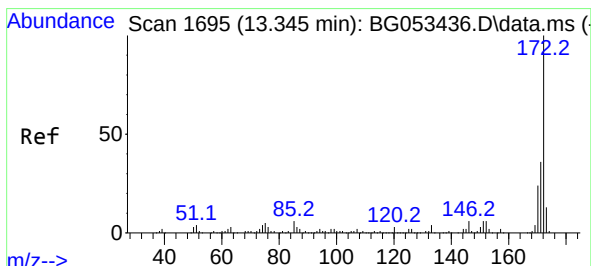
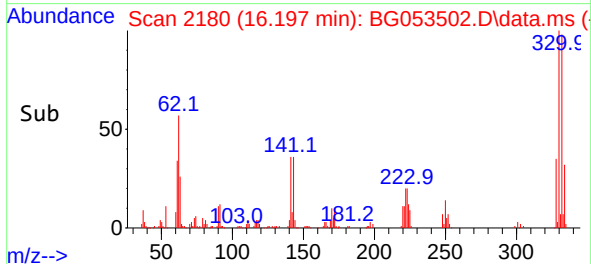
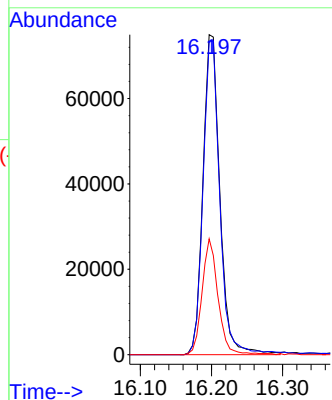
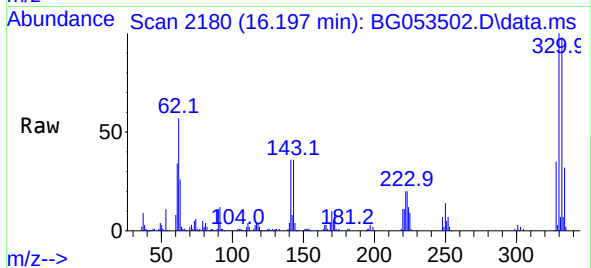




#42
2,4,6-Tribromophenol
Concen: 93.325 ng
RT: 16.197 min Scan# 2183
Delta R.T. -0.014 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

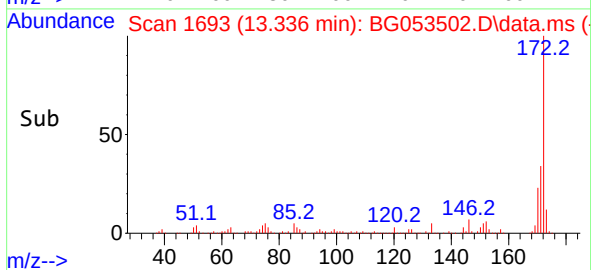
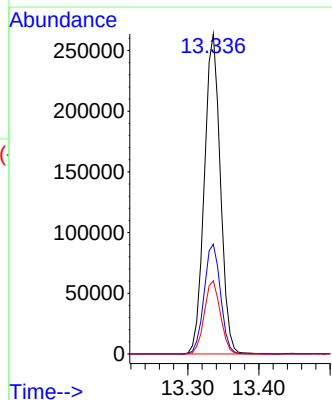
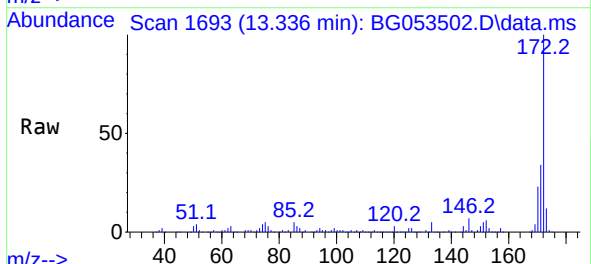
Instrument :
BNA_G
ClientSampleId :
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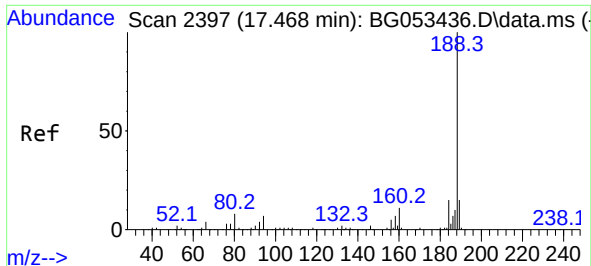
Tgt Ion:330 Resp: 124304
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 34.2 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 66.919 ng
RT: 13.336 min Scan# 1693
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:172 Resp: 413571
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 22.9 18.9 28.3

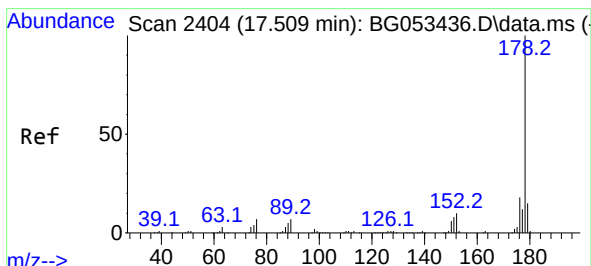
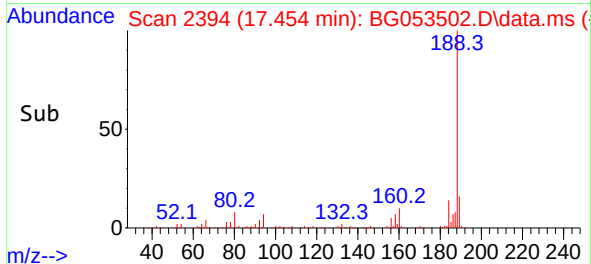
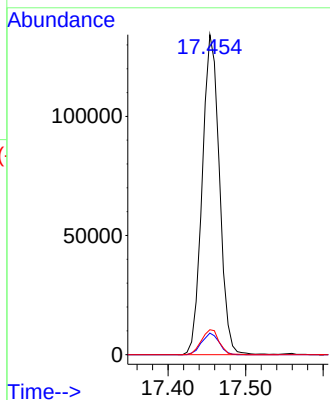
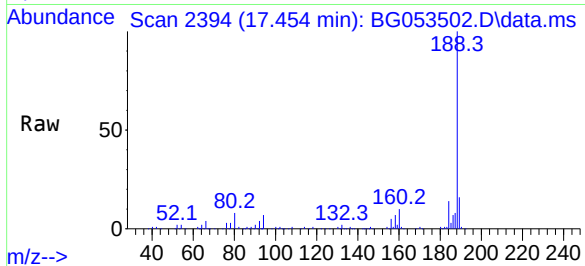




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.454 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

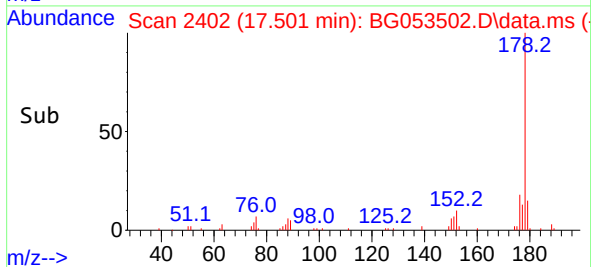
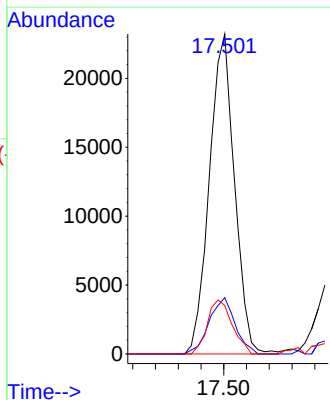
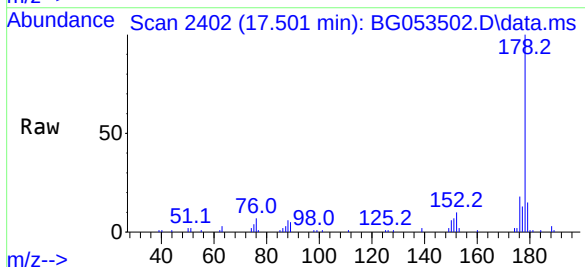
Instrument :
BNA_G
ClientSampleId :
124055

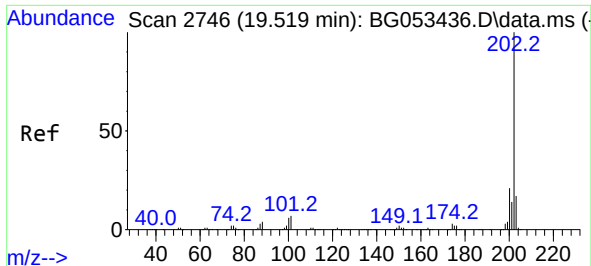
Tgt Ion:188 Resp: 206527
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.0
80 7.8 6.8 10.2



#71
Phenanthrene
Concen: 3.389 ng
RT: 17.501 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:178 Resp: 35588
Ion Ratio Lower Upper
178 100
176 17.6 14.1 21.1
179 15.1 12.1 18.1

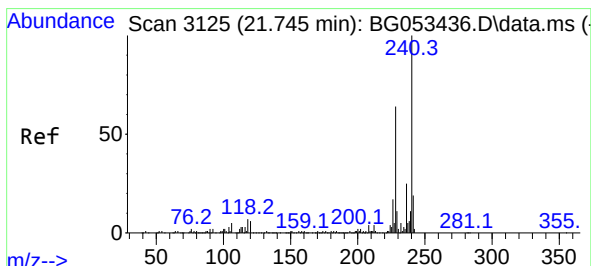
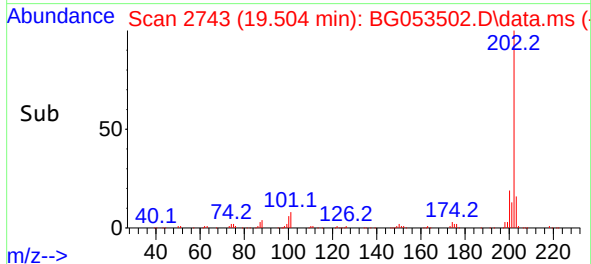
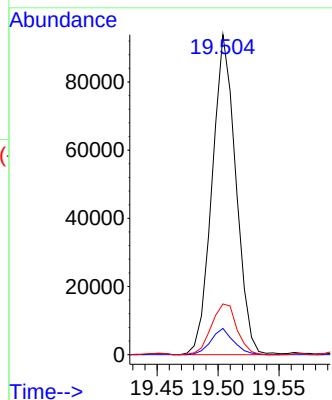
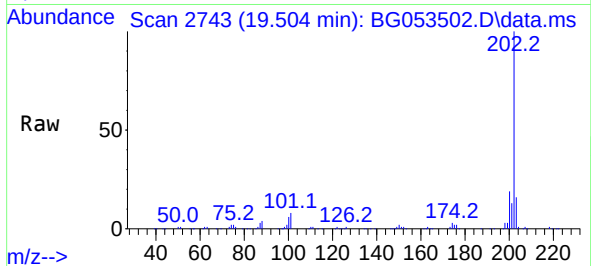




#75
Fluoranthene
Concen: 9.362 ng
RT: 19.504 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

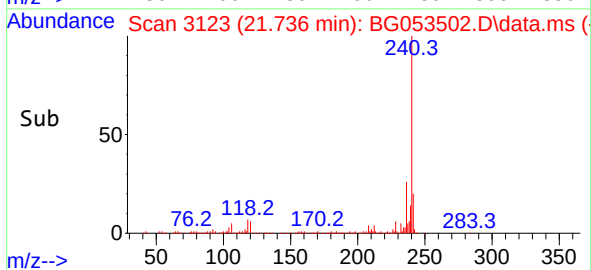
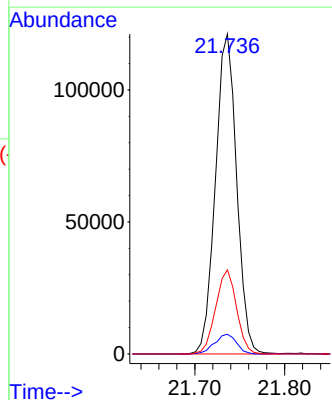
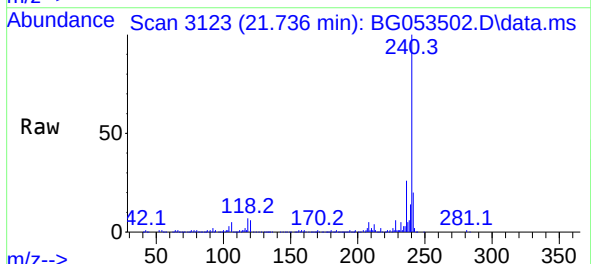
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BNA_G
ClientSampleId :
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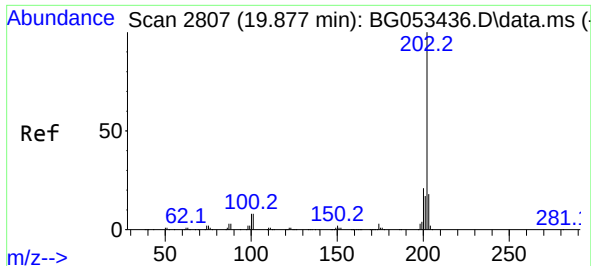
Tgt Ion:202 Resp: 127296
Ion Ratio Lower Upper
202 100
101 8.2 0.0 26.9
203 15.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.736 min Scan# 3123
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:240 Resp: 198543
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 26.3 20.2 30.4

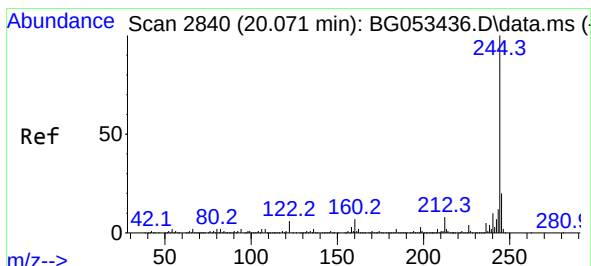
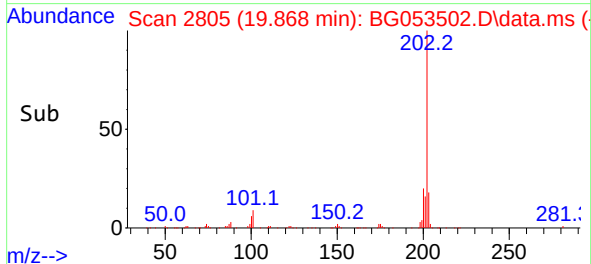
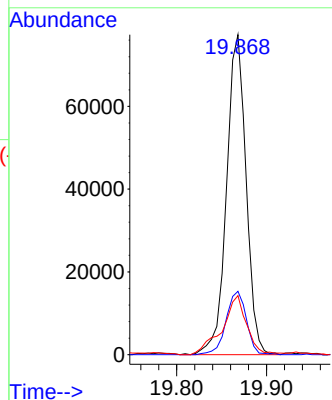
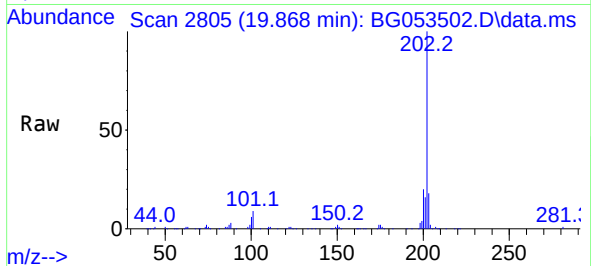




#78
 Pyrene
 Concen: 9.098 ng
 RT: 19.868 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

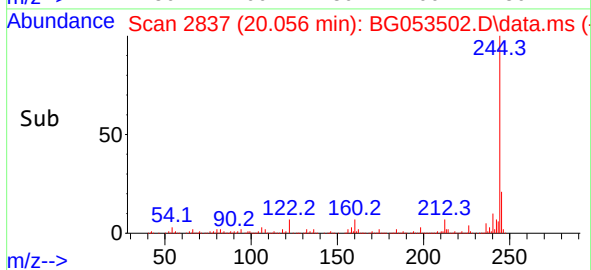
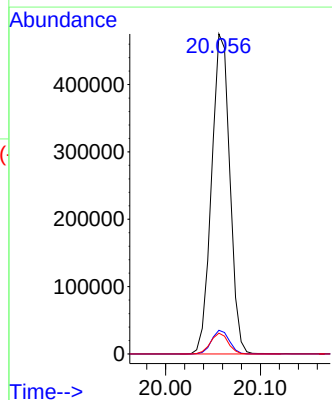
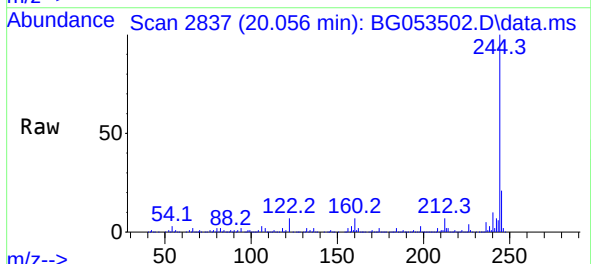
Instrument :
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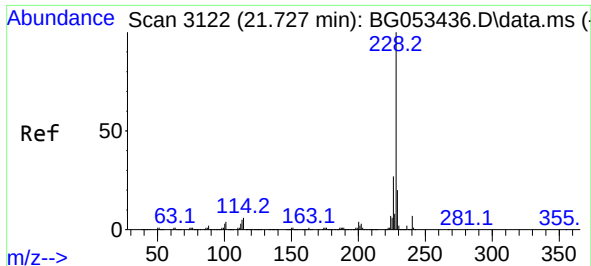
Tgt Ion:202 Resp: 116939
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.6 24.8
 203 18.4 14.6 21.8



#79
 Terphenyl-d14
 Concen: 59.504 ng
 RT: 20.056 min Scan# 2837
 Delta R.T. -0.015 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

Tgt Ion:244 Resp: 634325
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.5 5.0 7.4

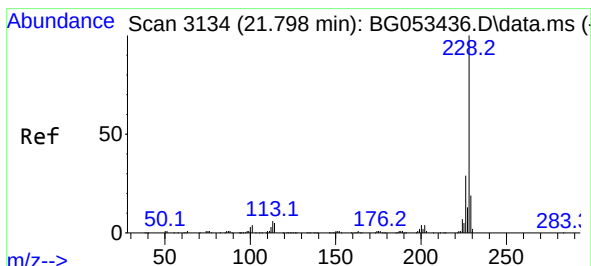
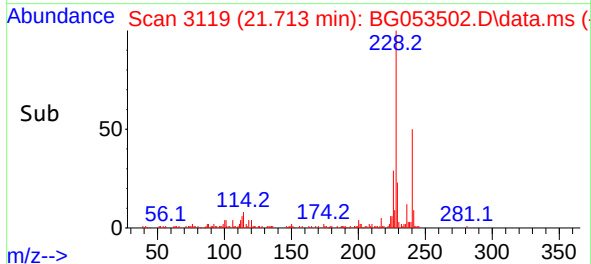
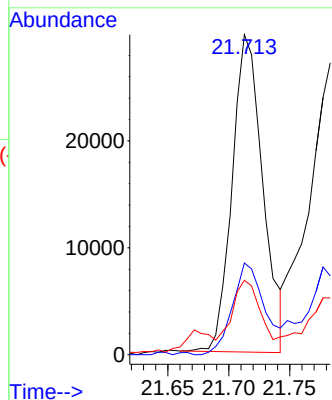
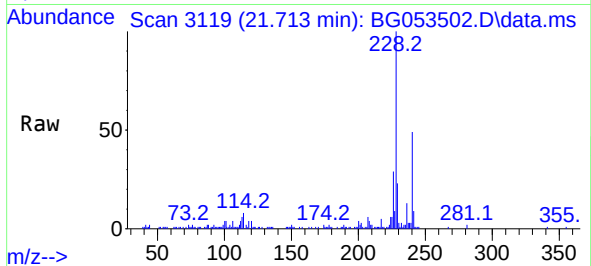




#81
Benzo(a)anthracene
Concen: 4.107 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

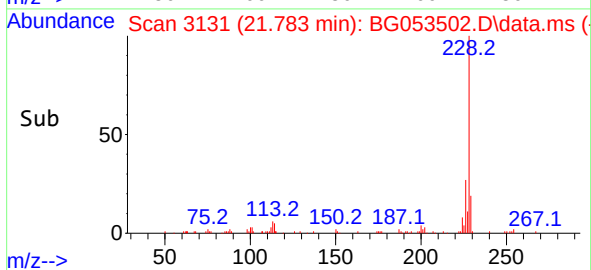
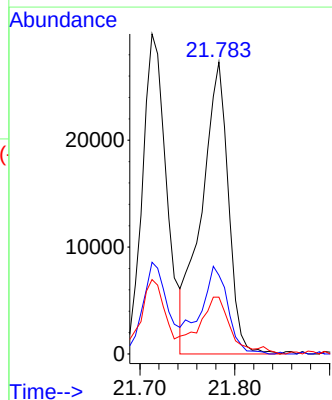
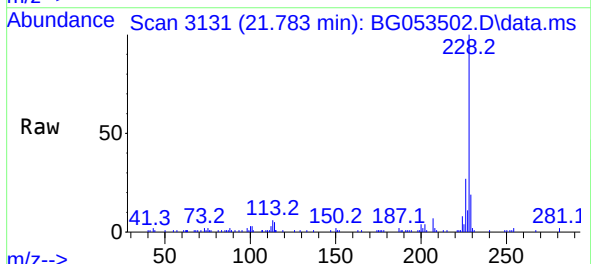
Instrument :
BNA_G
ClientSampleId :
124055

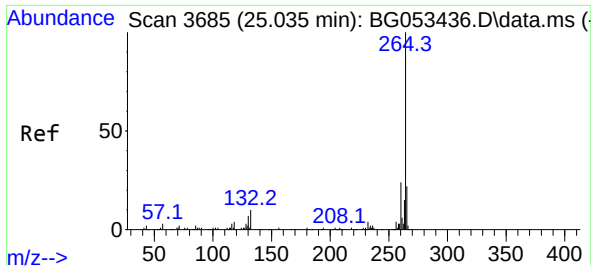
Tgt Ion:228 Resp: 52004
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 23.2 16.2 24.2



#83
Chrysene
Concen: 4.569 ng
RT: 21.783 min Scan# 3131
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:228 Resp: 54044
Ion Ratio Lower Upper
228 100
226 27.0 23.4 35.2
229 19.5 15.5 23.3



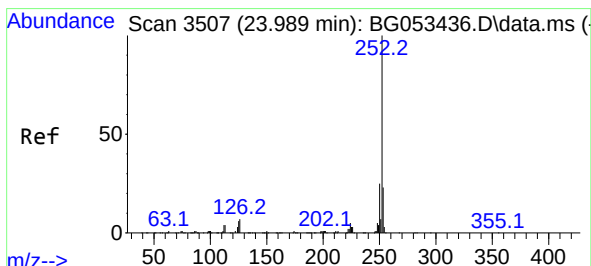
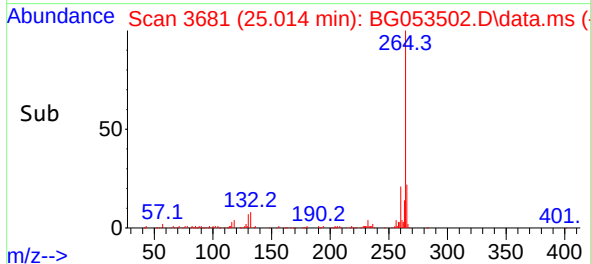
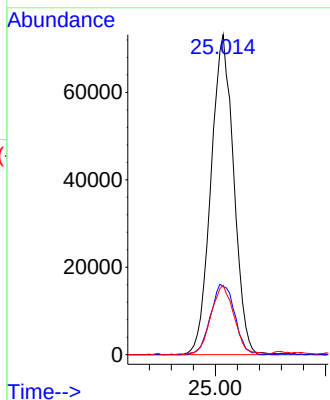
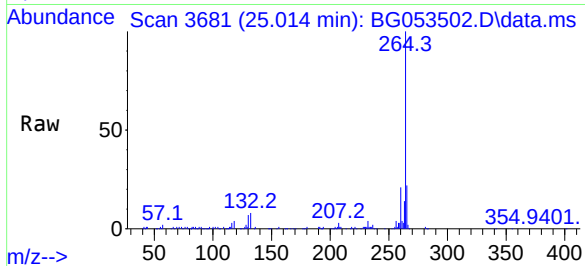


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.014 min Scan# 30
 Delta R.T. -0.020 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

Instrument :
 BNA_G
 ClientSampleId :
 124055

Tgt Ion:264 Resp: 210048

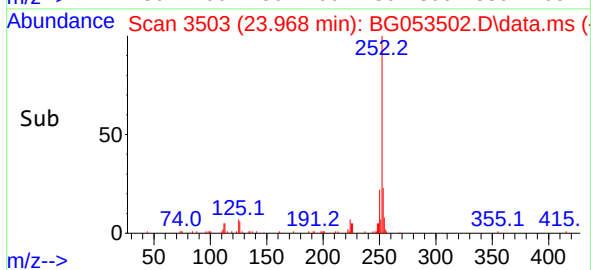
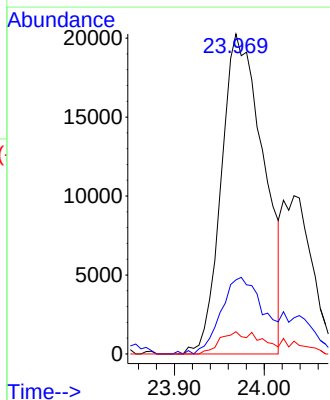
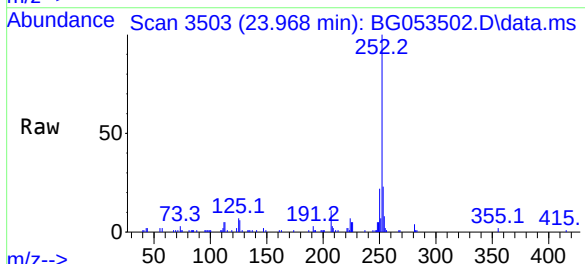
Ion	Ratio	Lower	Upper
264	100		
260	21.3	19.0	28.6
265	21.6	17.4	26.2

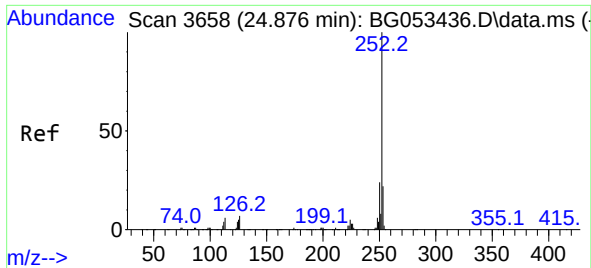


#88
 Benzo(b)fluoranthene
 Concen: 5.317 ng
 RT: 23.968 min Scan# 3503
 Delta R.T. -0.020 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

Tgt Ion:252 Resp: 66105

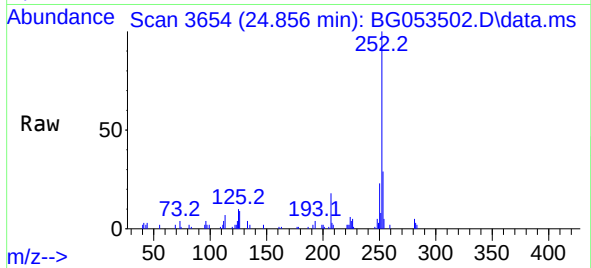
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	7.0	4.6	6.8





#90
 Benzo(a)pyrene
 Concen: 3.982 ng
 RT: 24.856 min Scan# 30
 Delta R.T. -0.020 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

Instrument :
 BNA_G
 ClientSampleId :
 124055



Tgt Ion:252 Resp: 42142
 Ion Ratio Lower Upper
 252 100
 253 28.7 17.8 26.8#
 125 9.5 4.3 6.5#

