

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056023.D
 Acq On : 19 Dec 2022 21:33
 Operator : CG/JU
 Sample : N6026-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : mohammad ahmed 12/20/2022

Quant Time: Dec 20 01:08:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	11884	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	43209	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	33850	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	84009	20.000	ng	0.00
76) Chrysene-d12	22.026	240	85345	20.000	ng	# 0.00
86) Perylene-d12	25.527	264	106890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	46480	91.723	ng	0.00
7) Phenol-d6	7.501	99	59672	91.558	ng	0.00
23) Nitrobenzene-d5	9.540	82	40382	65.310	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	53901	66.037	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	146465	60.684	ng	0.00
79) Terphenyl-d14	20.286	244	268948	55.696	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	66733	15.158	ng	99
72) Anthracene	17.842	178	15077	3.462	ng	98
75) Fluoranthene	19.746	202	159504	25.873	ng	100
78) Pyrene	20.104	202	166889	32.316	ng	99
81) Benzo(a)anthracene	22.002	228	104376	17.380	ng	98
83) Chrysene	22.073	228	98061m	17.422	ng	
84) Bis(2-ethylhexyl)phtha...	21.873	149	9232	4.246	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.552	276	52487	6.106	ng	95
88) Benzo(b)fluoranthene	24.411	252	127136	18.378	ng	98
89) Benzo(k)fluoranthene	24.476	252	51269m	7.428	ng	
90) Benzo(a)pyrene	25.357	252	89371	15.284	ng	# 93
92) Benzo(g,h,i)perylene	30.827	276	49642m	7.137	ng	

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

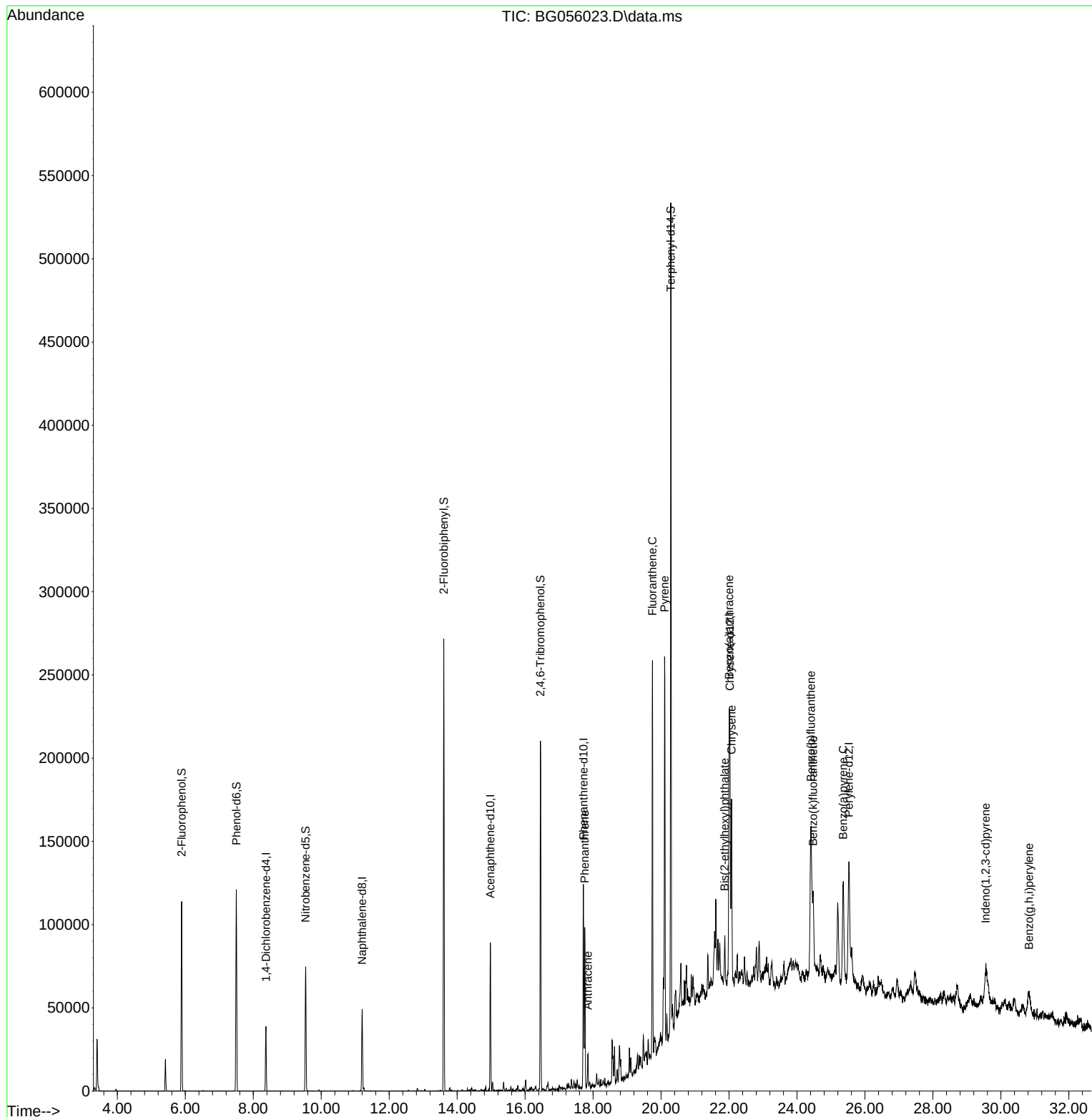
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056023.D
Acq On : 19 Dec 2022 21:33
Operator : CG/JU
Sample : N6026-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

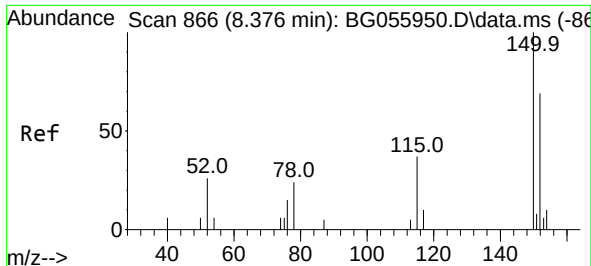
Instrument :
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Quant Time: Dec 20 01:08:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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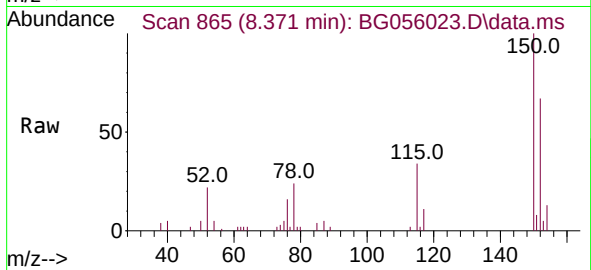
Reviewed By : Christian Giraldo 12/20/2022
Supervised By : mohammad ahmed 12/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 80
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

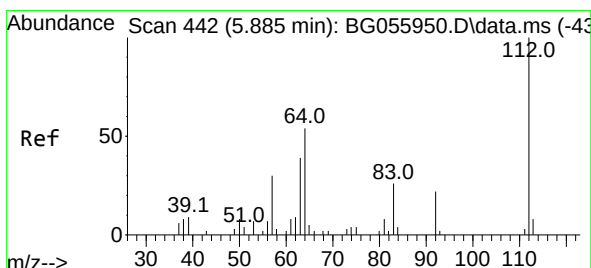
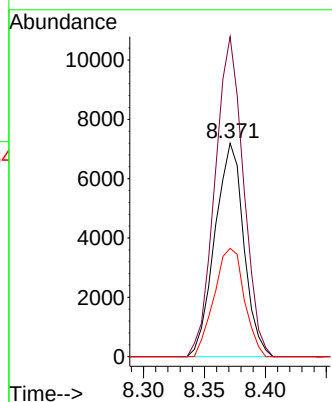
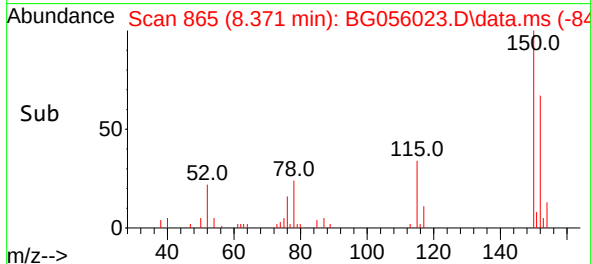
Instrument :
BNA_G
ClientSampleId :
B-29-SB01



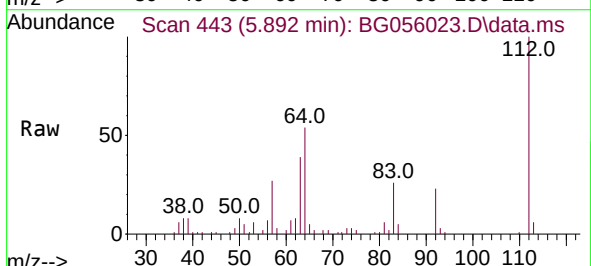
Tgt Ion:152 Resp: 11884
Ion Ratio Lower Upper
152 100
150 150.0 115.7 173.5
115 50.7 43.0 64.4

Manual Integrations
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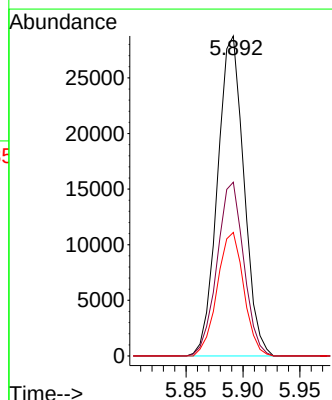
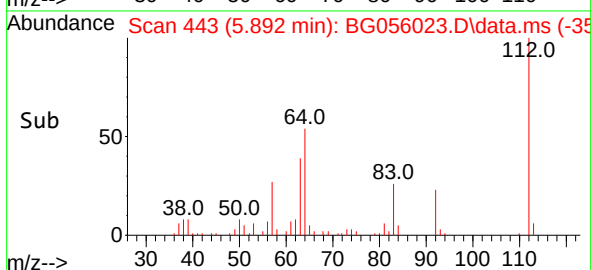
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

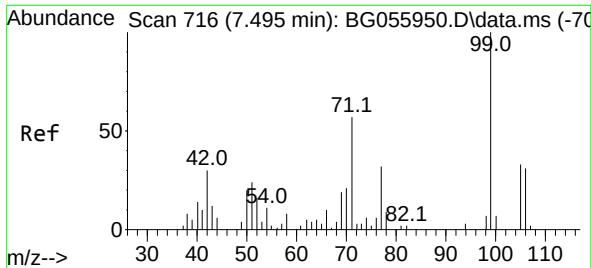


#5
2-Fluorophenol
Concen: 91.723 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33



Tgt Ion:112 Resp: 46480
Ion Ratio Lower Upper
112 100
64 54.3 43.0 64.4
63 38.6 31.4 47.2





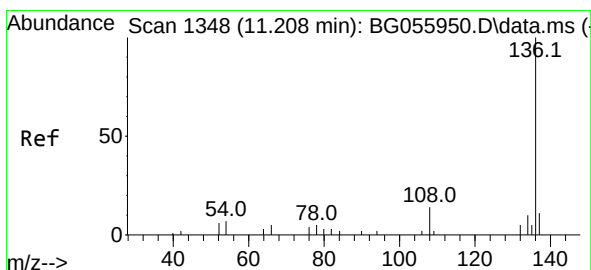
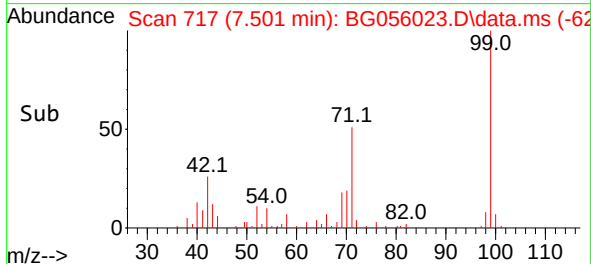
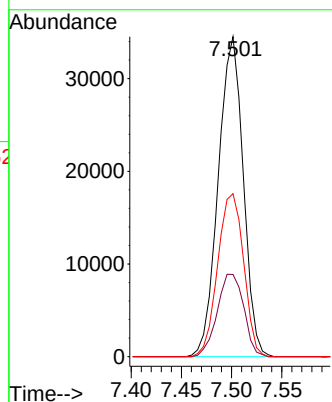
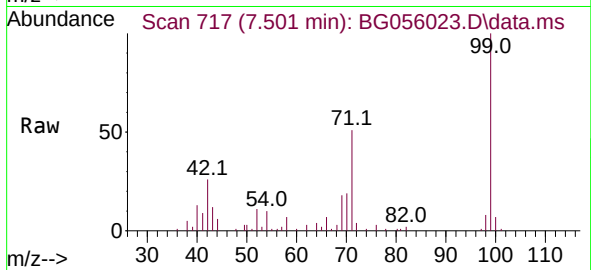
#7
Phenol-d6
Concen: 91.558 ng
RT: 7.501 min Scan# 716
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :
BNA_G
ClientSampleId :
B-29-SB01

Tgt Ion: 99 Resp: 59672
Ion Ratio Lower Upper
99 100
42 25.7 24.3 36.5
71 50.9 45.6 68.4

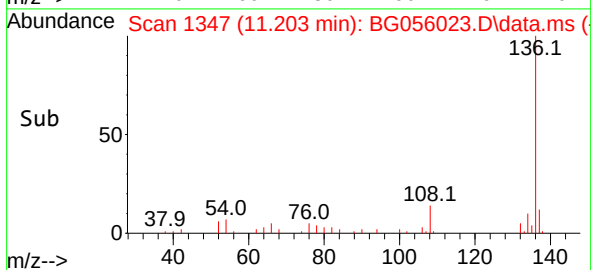
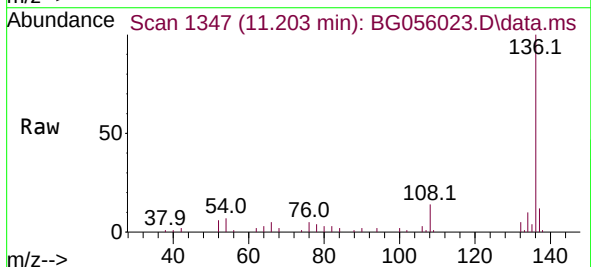
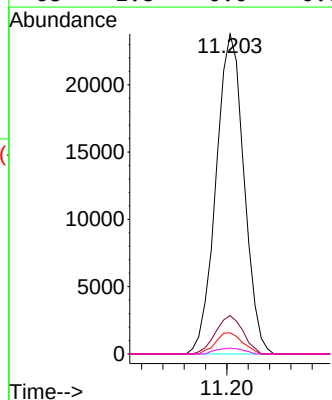
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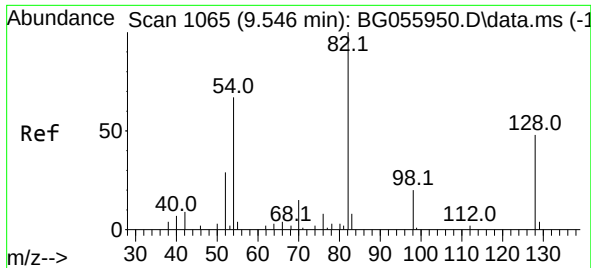
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:136 Resp: 43209
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 6.6 5.6 8.4
68 1.8 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 65.310 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :

BNA_G

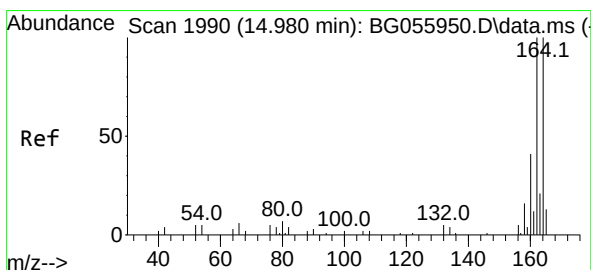
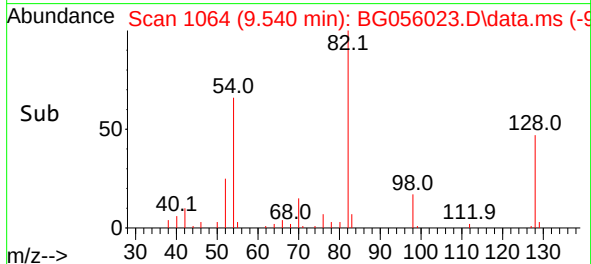
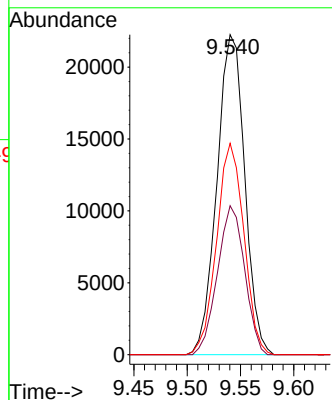
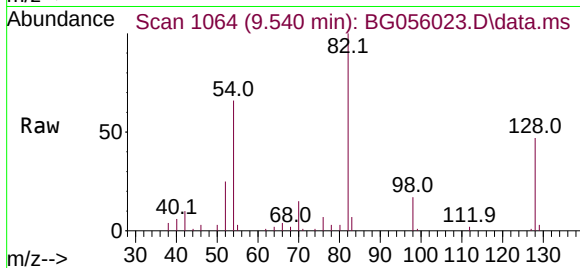
ClientSampleId :

B-29-SB01

Tgt Ion: 82 Resp: 4038
Ion Ratio Lower Upper
82 100
128 46.6 38.4 57.6
54 66.1 53.3 79.9

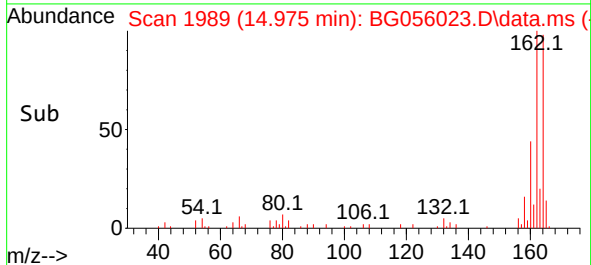
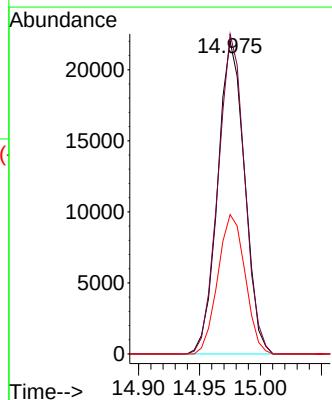
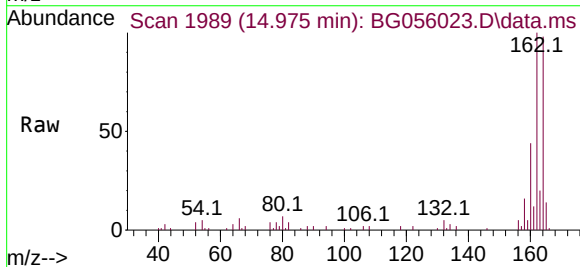
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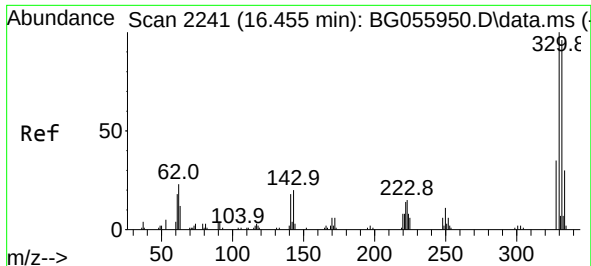
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:164 Resp: 33850
Ion Ratio Lower Upper
164 100
162 102.3 79.8 119.8
160 44.5 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 66.037 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :

BNA_G

ClientSampleId :

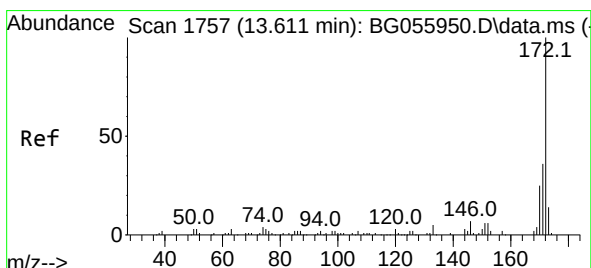
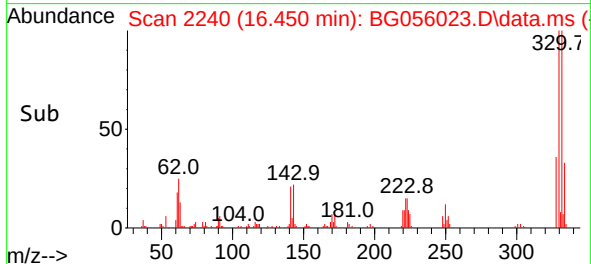
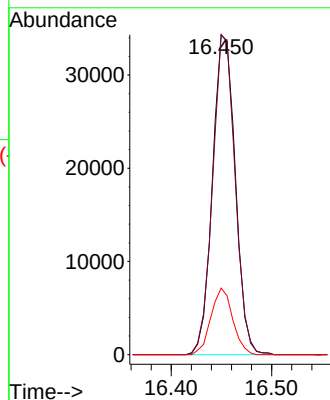
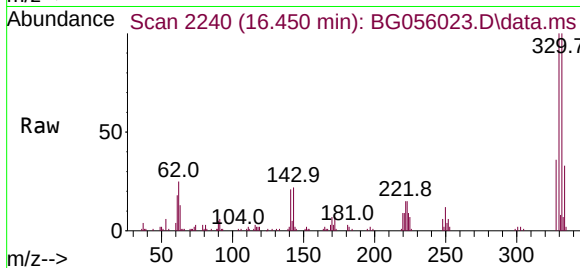
B-29-SB01

Tgt Ion:330 Resp: 5390
Ion Ratio Lower Upper
330 100
332 98.7 76.6 114.8
141 19.9 15.0 22.4

Manual Integrations

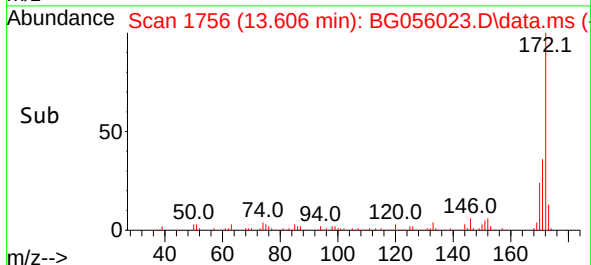
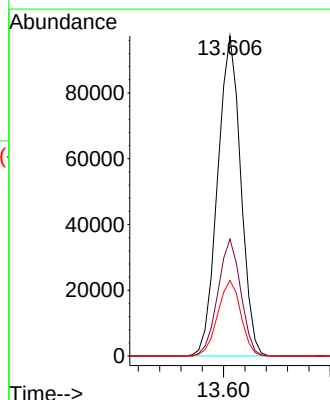
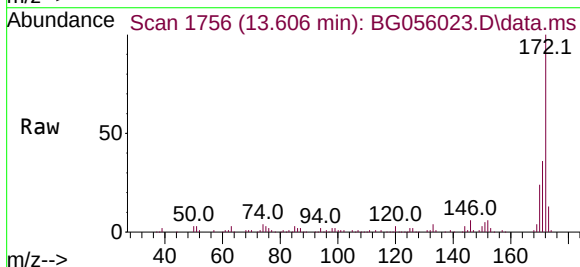
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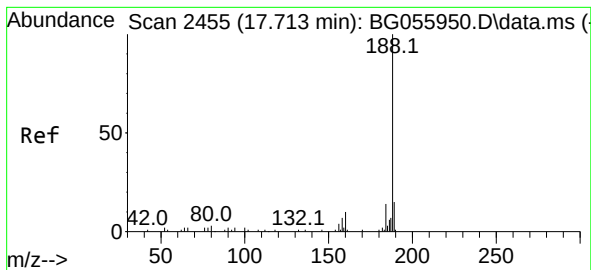
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#45
2-Fluorobiphenyl
Concen: 60.684 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:172 Resp: 146465
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 23.6 19.9 29.9





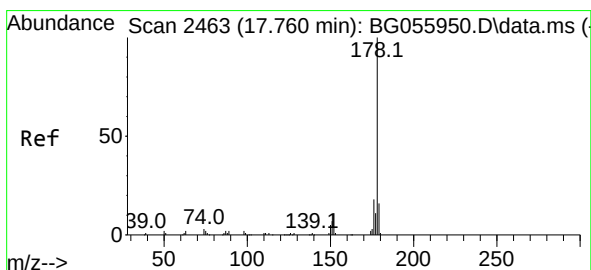
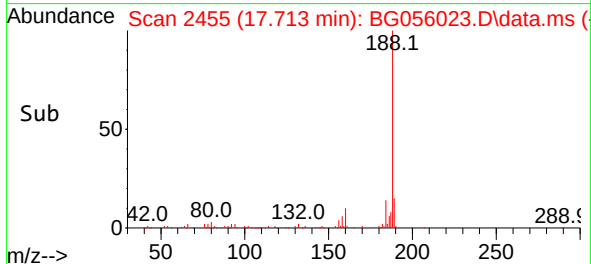
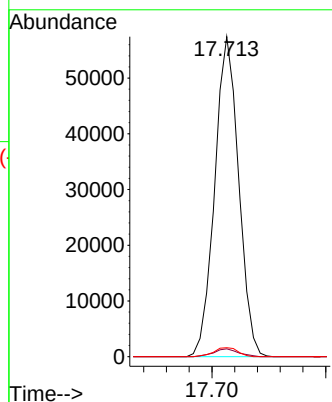
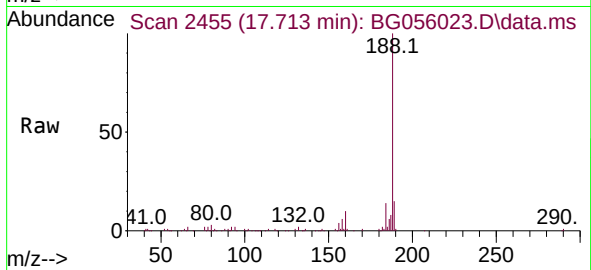
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :
BNA_G
ClientSampleId :
B-29-SB01

Tgt Ion:188 Resp: 84009
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 2.8 2.4 3.6

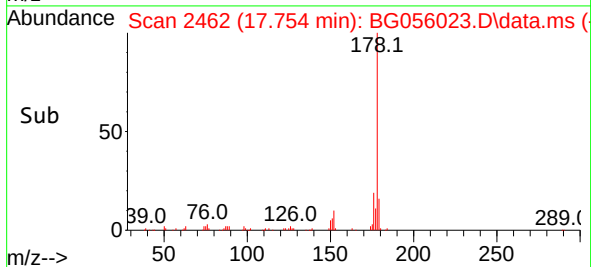
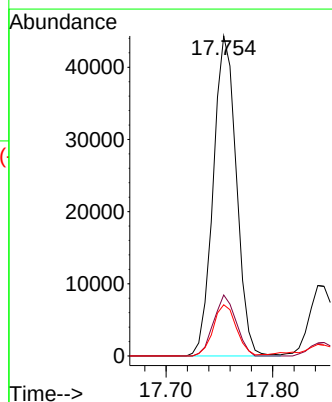
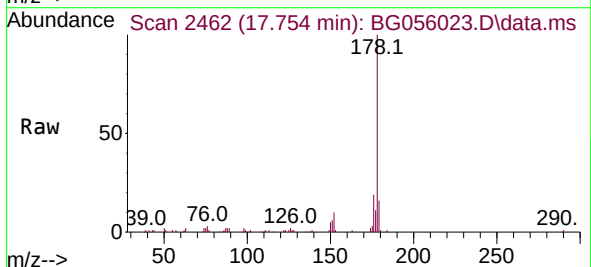
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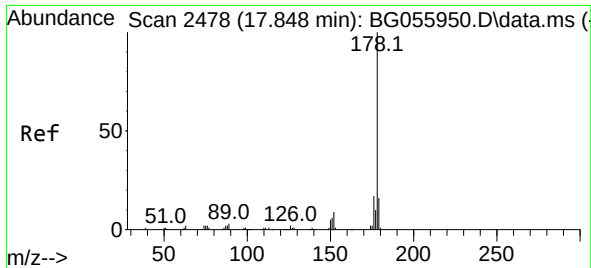
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#71
Phenanthrene
Concen: 15.158 ng
RT: 17.754 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

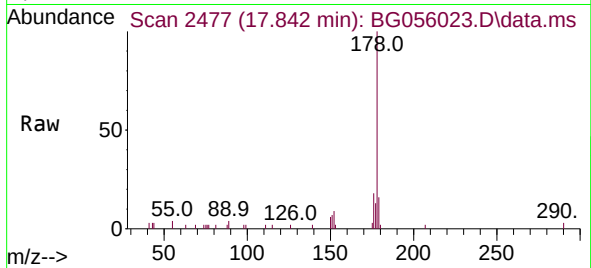
Tgt Ion:178 Resp: 66733
Ion Ratio Lower Upper
178 100
176 19.0 14.4 21.6
179 16.0 12.7 19.1





#72
 Anthracene
 Concen: 3.462 ng
 RT: 17.842 min Scan# 2478
 Delta R.T. -0.011 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

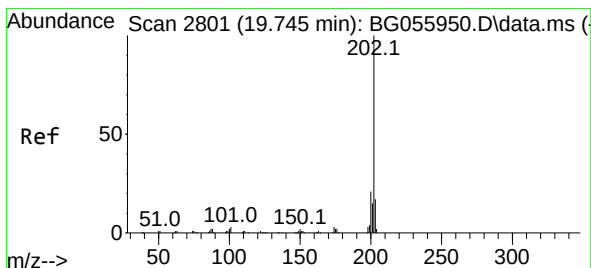
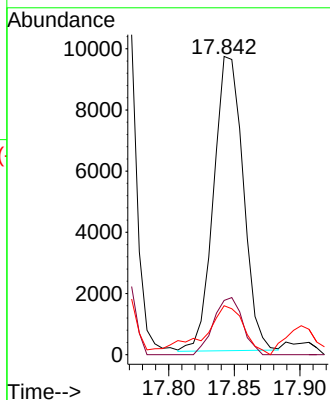
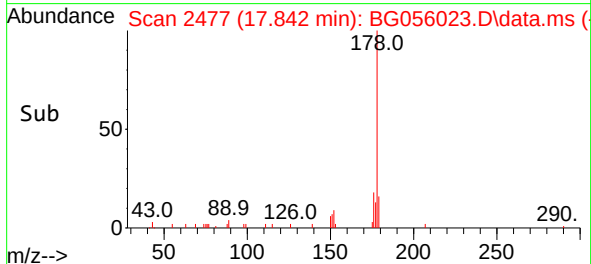
Instrument :
 BNA_G
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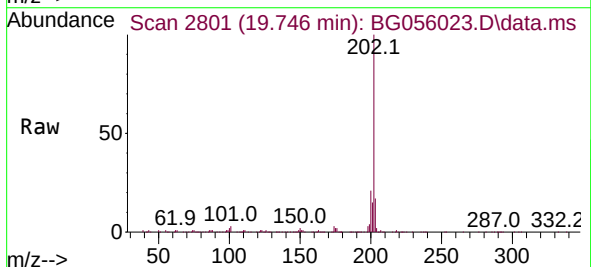
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 Ion Ratio Lower Upper
 178 100
 176 18.2 13.9 20.9
 179 16.4 12.7 19.1

Manual Integrations
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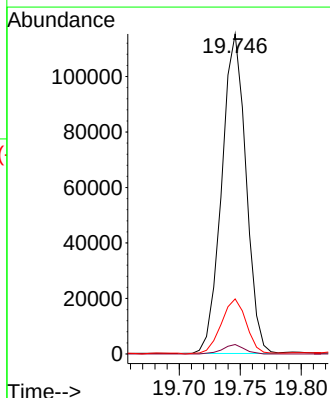
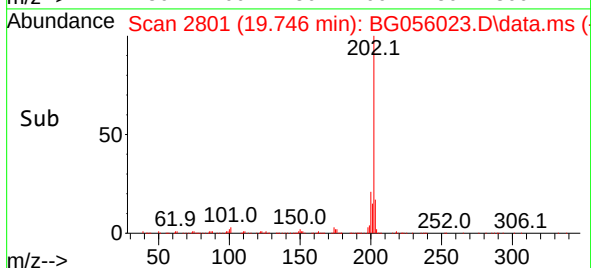
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :mohammad ahmed 12/20/2022

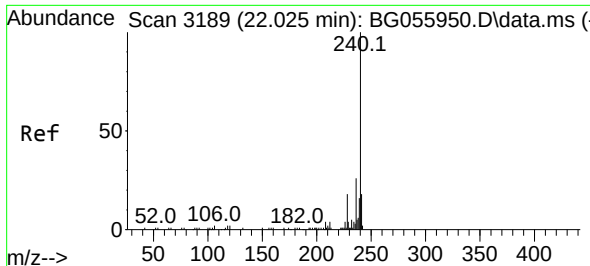


#75
 Fluoranthene
 Concen: 25.873 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33



Tgt Ion:202 Resp: 159504
 Ion Ratio Lower Upper
 202 100
 101 3.0 0.0 22.6
 203 17.2 0.0 37.1





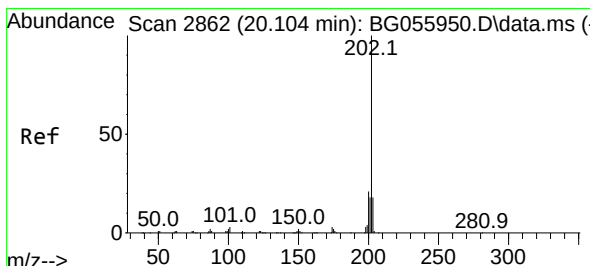
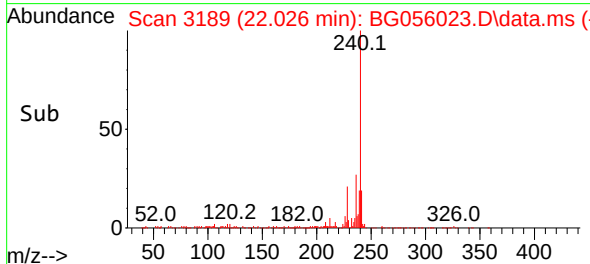
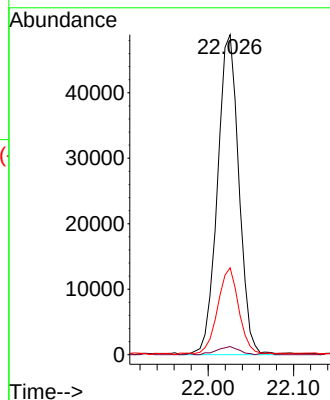
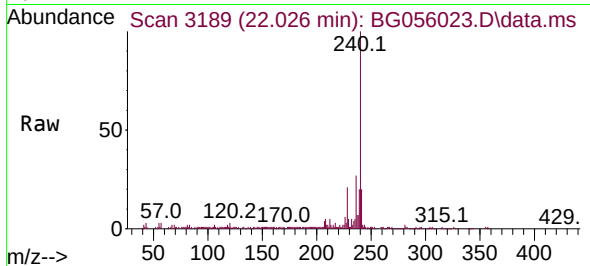
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :
BNA_G
ClientSampleId :
B-29-SB01

Tgt Ion:240 Resp: 85349
Ion Ratio Lower Upper
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120 2.6 1.7 2.5
236 27.1 21.1 31.7

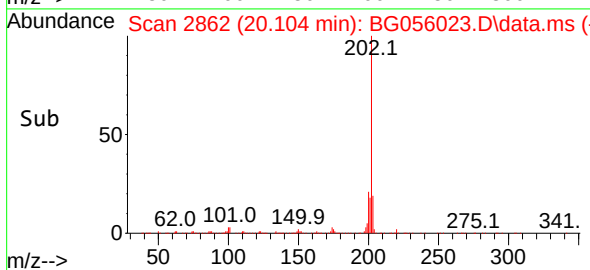
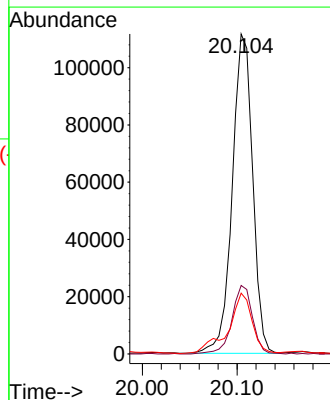
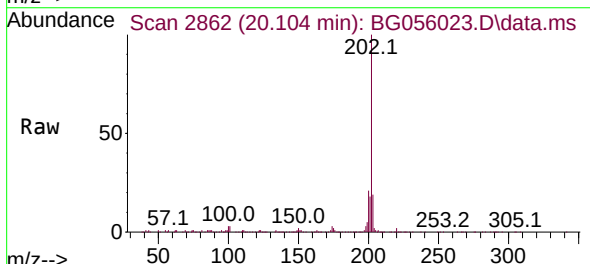
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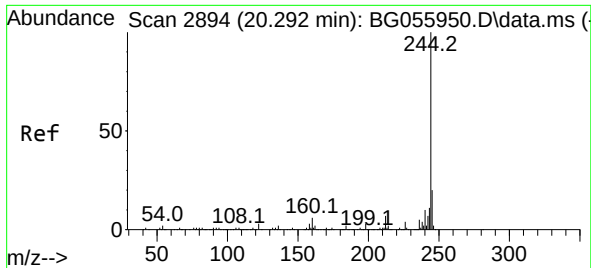
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#78
Pyrene
Concen: 32.316 ng
RT: 20.104 min Scan# 2862
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

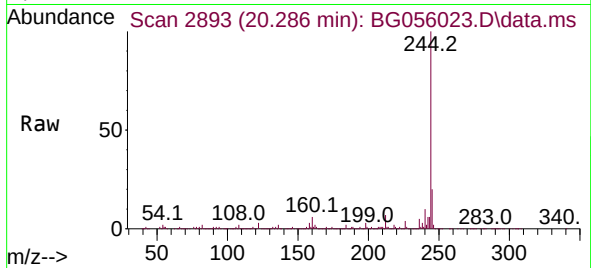
Tgt Ion:202 Resp: 166889
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 55.696 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

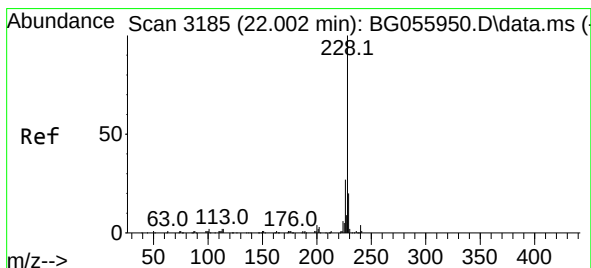
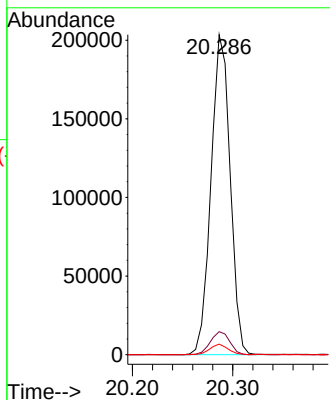
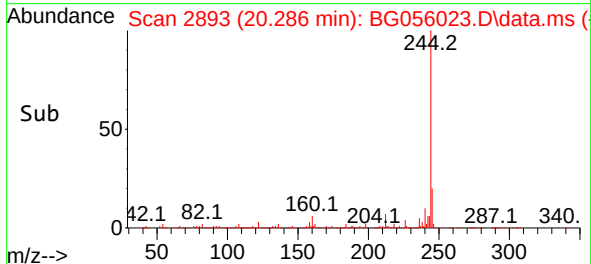
Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01



Tgt Ion:244 Resp: 268948
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.3 2.5 3.7

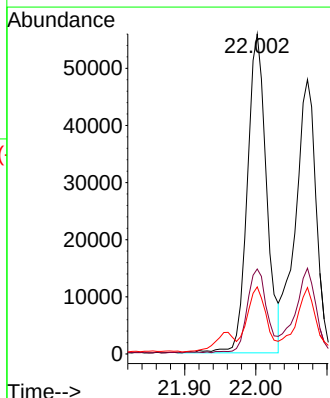
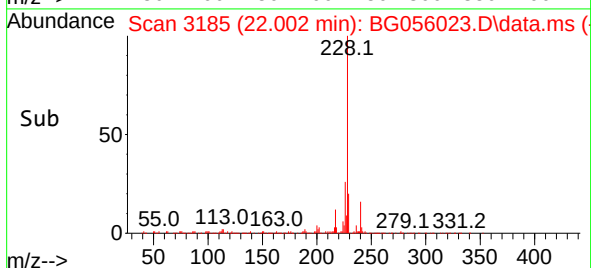
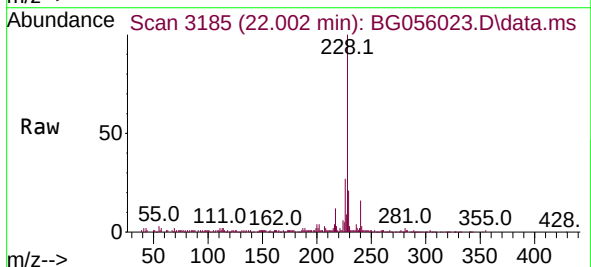
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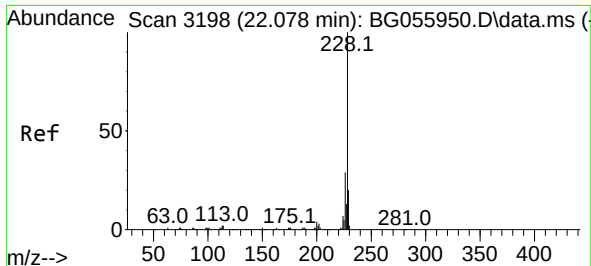
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :mohammad ahmed 12/20/2022



#81
 Benzo(a)anthracene
 Concen: 17.380 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

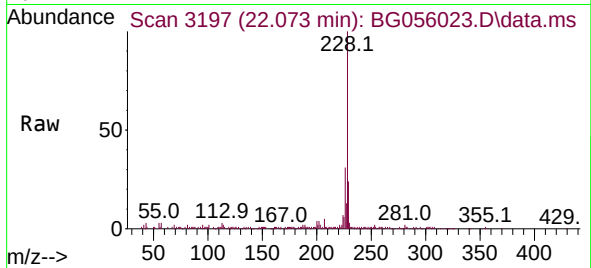
Tgt Ion:228 Resp: 104376
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.8 32.6
 229 21.0 15.9 23.9





#83
Chrysene
Concen: 17.422 ng m
RT: 22.073 min Scan# 3198
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

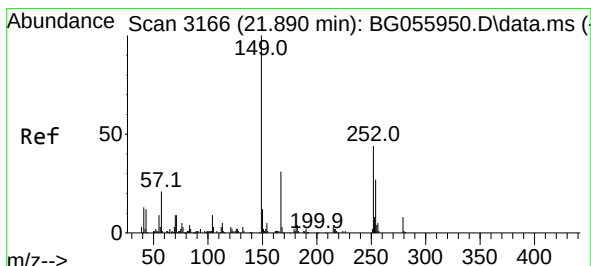
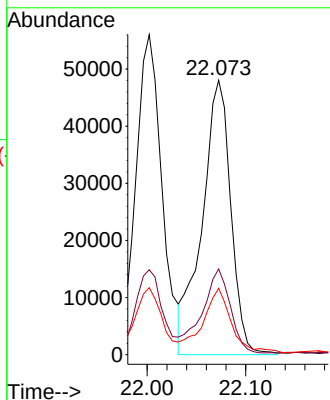
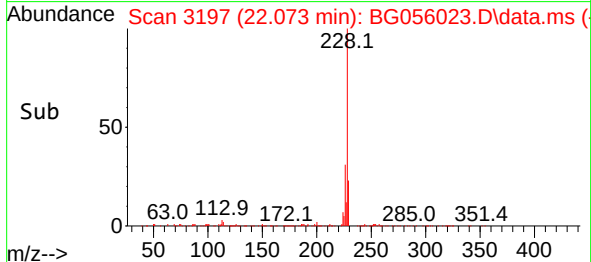
Instrument :
BNA_G
ClientSampleId :
B-29-SB01



Tgt Ion:228 Resp: 9806
Ion Ratio Lower Upper
228 100
226 31.3 23.1 34.7
229 24.2 15.7 23.5

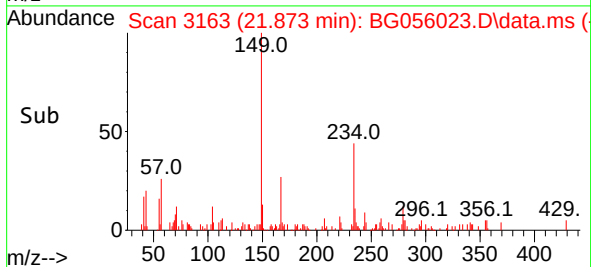
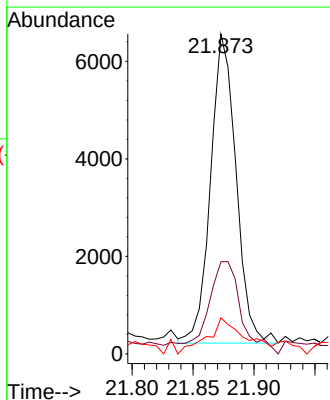
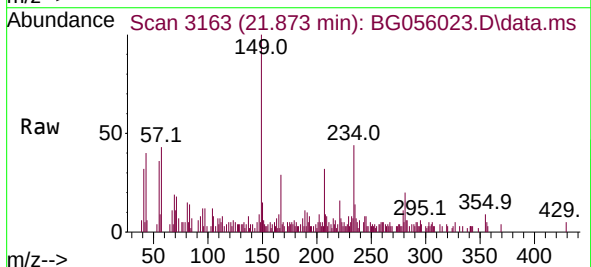
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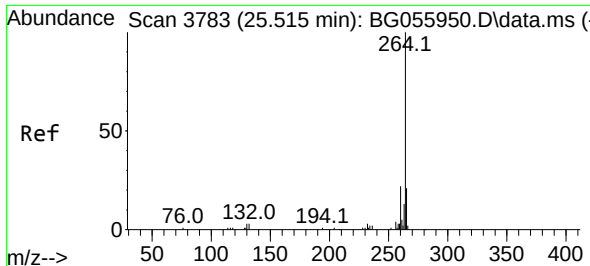
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.246 ng
RT: 21.873 min Scan# 3163
Delta R.T. -0.011 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

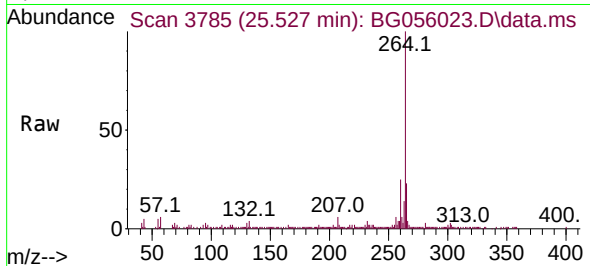
Tgt Ion:149 Resp: 9232
Ion Ratio Lower Upper
149 100
167 28.8 24.6 36.8
279 11.3 6.3 9.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.527 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

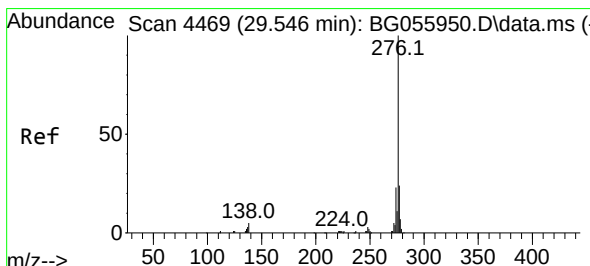
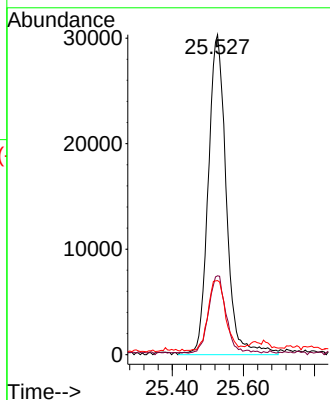
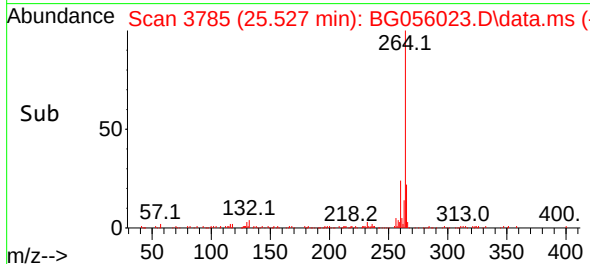
Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01



Tgt Ion:264 Resp: 106890
 Ion Ratio Lower Upper
 264 100
 260 24.6 17.8 26.8
 265 23.1 16.6 25.0

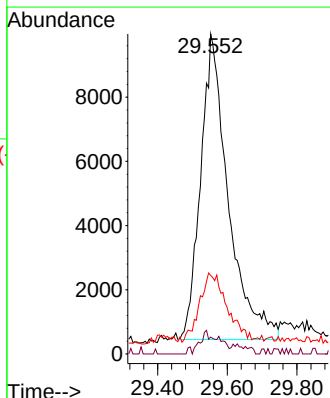
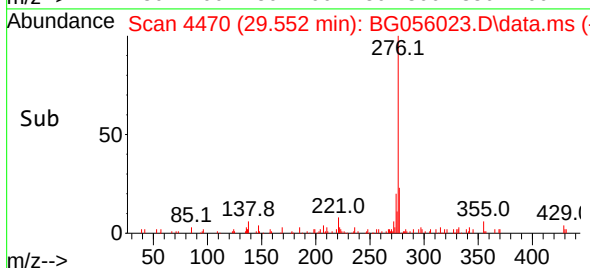
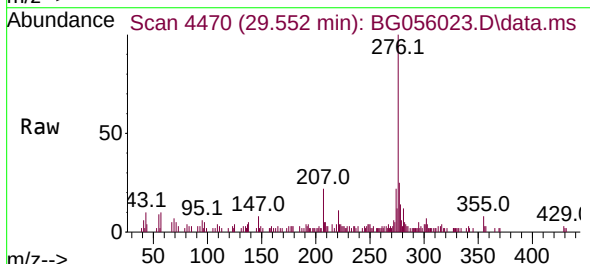
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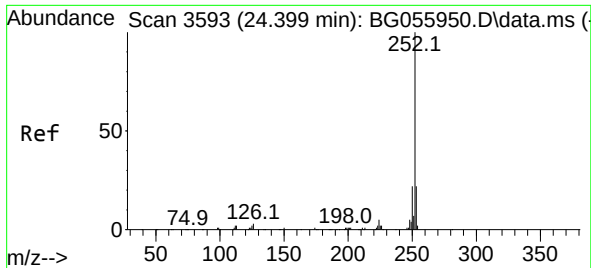
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :mohammad ahmed 12/20/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.106 ng
 RT: 29.552 min Scan# 4470
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

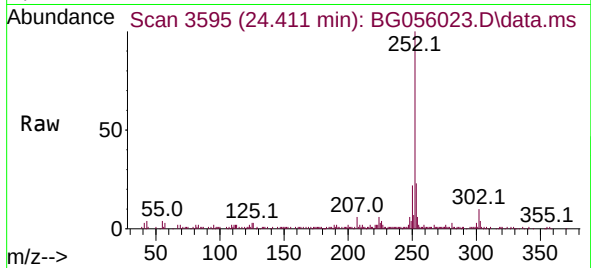
Tgt Ion:276 Resp: 52487
 Ion Ratio Lower Upper
 276 100
 138 3.6 3.0 4.4
 277 22.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 18.378 ng
RT: 24.411 min Scan# 3595
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

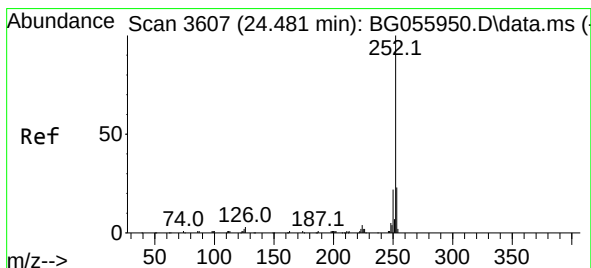
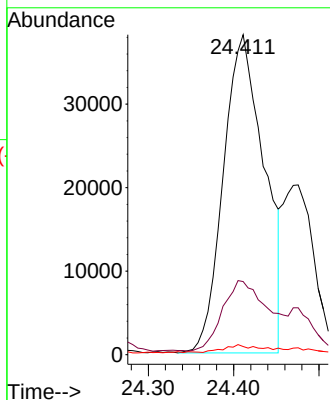
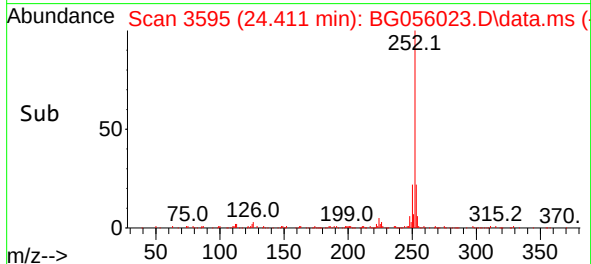
Instrument :
BNA_G
ClientSampleId :
B-29-SB01



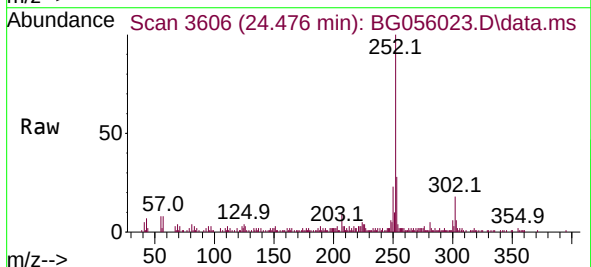
Tgt Ion:252 Resp: 127130
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 2.6 1.8 2.8

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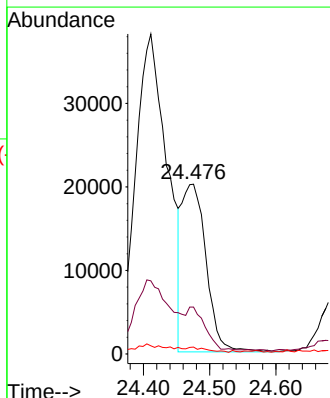
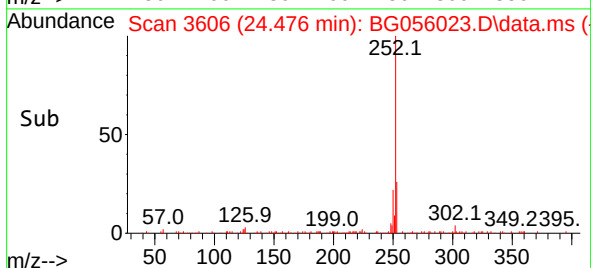
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

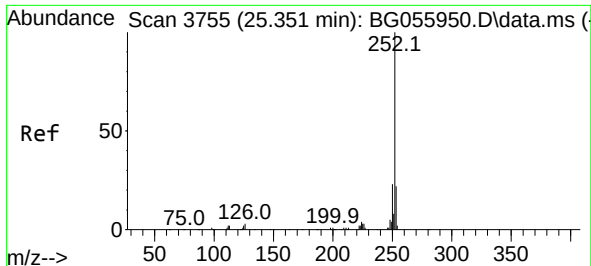


#89
Benzo(k)fluoranthene
Concen: 7.428 ng m
RT: 24.476 min Scan# 3606
Delta R.T. -0.011 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33



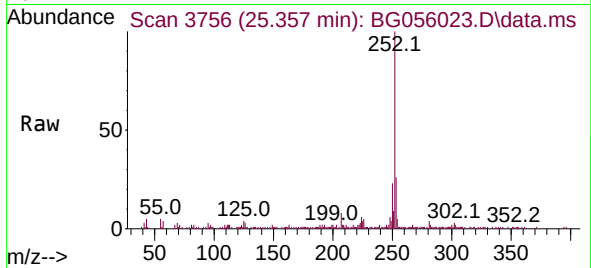
Tgt Ion:252 Resp: 51269
Ion Ratio Lower Upper
252 100
253 27.6 18.2 27.2#
125 4.1 2.0 3.0#





#90
Benzo(a)pyrene
Concen: 15.284 ng
RT: 25.357 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

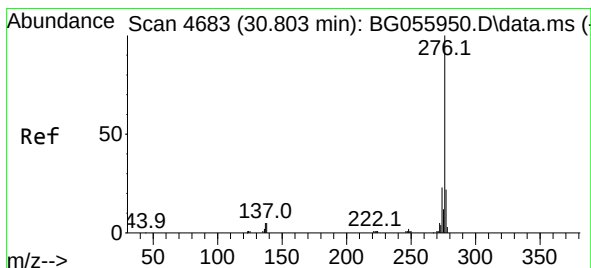
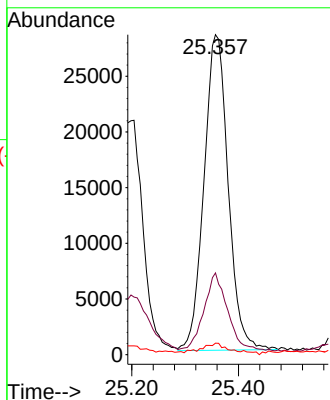
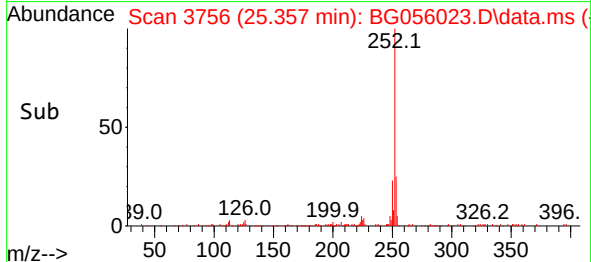
Instrument :
BNA_G
ClientSampleId :
B-29-SB01



Tgt Ion:252 Resp: 8937
Ion Ratio Lower Upper
252 100
253 25.5 17.7 26.5
125 3.6 1.9 2.9

Manual Integrations
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Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#92
Benzo(g,h,i)perylene
Concen: 7.137 ng m
RT: 30.827 min Scan# 4687
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:276 Resp: 49642
Ion Ratio Lower Upper
276 100
277 23.3 17.8 26.6
138 5.6 3.8 5.6

