

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056360.D
 Acq On : 19 Jan 2023 23:55
 Operator : CG/JU
 Sample : 01172-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-F

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 01:38:27 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	8.305	152	56664	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	206909	20.000	ng	0.00
39) Acenaphthene-d10	14.921	164	145729	20.000	ng	0.00
64) Phenanthrene-d10	17.659	188	325684	20.000	ng	0.00
76) Chrysene-d12	21.954	240	290841	20.000	ng	0.00
86) Perylene-d12	25.403	264	295945	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	295961	93.258	ng	0.00
7) Phenol-d6	7.447	99	406641	83.436	ng	0.00
23) Nitrobenzene-d5	9.480	82	215305	53.227	ng	0.00
42) 2,4,6-Tribromophenol	16.401	330	162224	87.896	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	640735	60.715	ng	0.00
79) Terphenyl-d14	20.232	244	926006	57.025	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.700	178	83544	4.950	ng	98
75) Fluoranthene	19.692	202	224937	10.217	ng	99
78) Pyrene	20.050	202	210624	10.274	ng	98
81) Benzo(a)anthracene	21.930	228	123875	6.064	ng	97
83) Chrysene	22.001	228	124542m	6.509	ng	
87) Indeno(1,2,3-cd)pyrene	29.363	276	69311	3.220	ng	# 78
88) Benzo(b)fluoranthene	24.298	252	176929	9.409	ng	# 90
89) Benzo(k)fluoranthene	24.363	252	64038m	3.420	ng	
90) Benzo(a)pyrene	25.238	252	119117	6.495	ng	# 94
92) Benzo(g,h,i)perylene	30.614	276	72661m	4.152	ng	

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

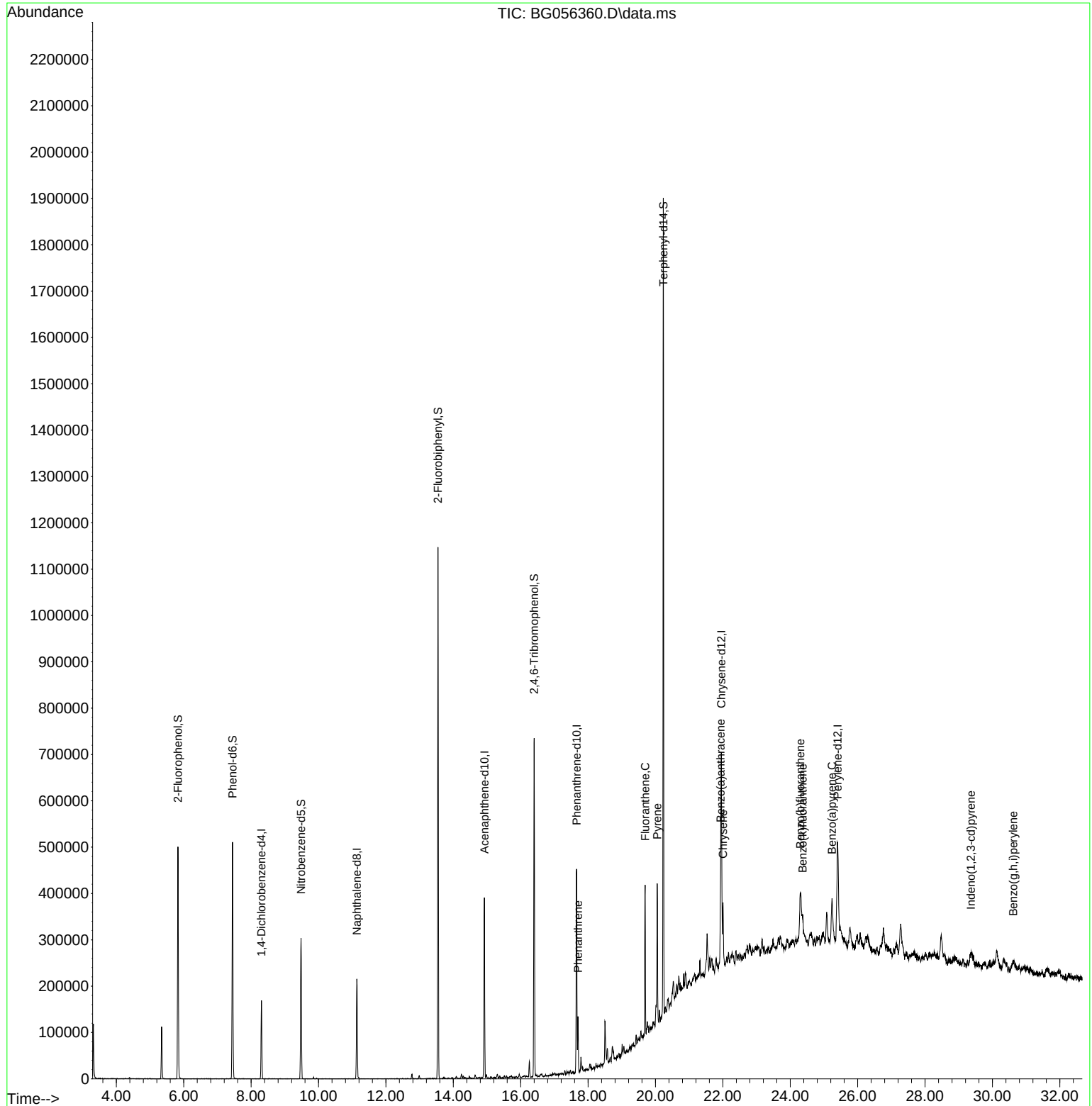
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
Data File : BG056360.D
Acq On : 19 Jan 2023 23:55
Operator : CG/JU
Sample : 01172-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

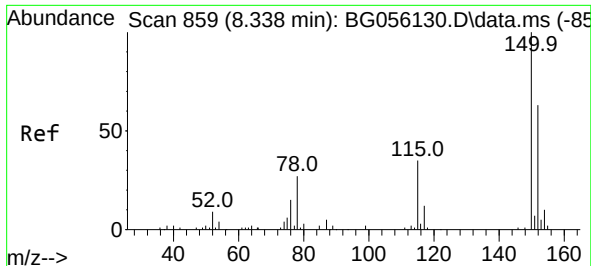
Instrument :
BNA_G
ClientSampleId :
TP-F

Quant Time: Jan 20 01:38:27 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

Manual Integrations
APPROVED

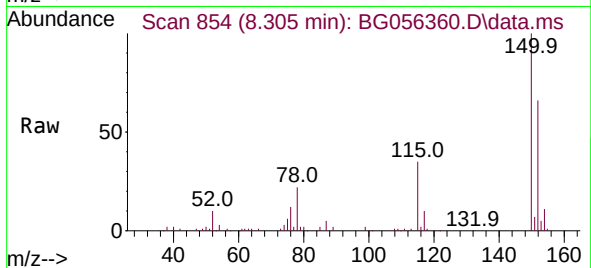
Reviewed By : Christian Giraldo 01/20/2023
Supervised By : Jagrut Upadhyay 01/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.305 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

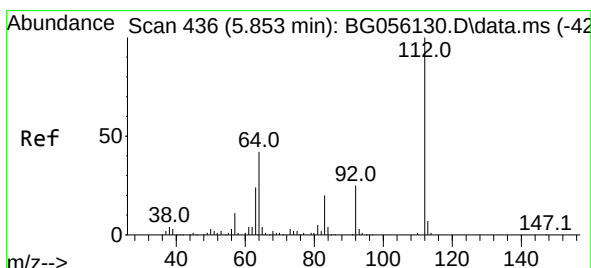
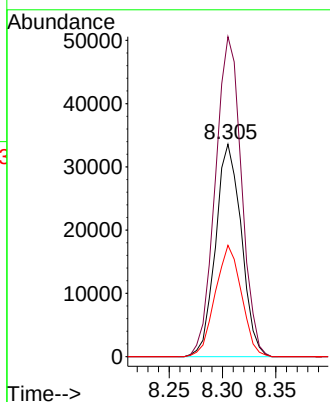
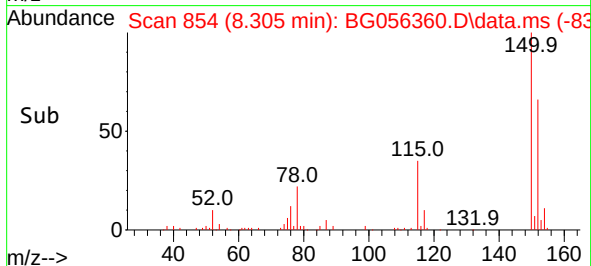
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:152 Resp: 56664
Ion Ratio Lower Upper
152 100
150 150.7 127.9 191.9
115 52.4 44.2 66.2

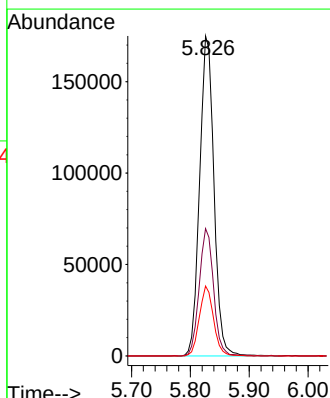
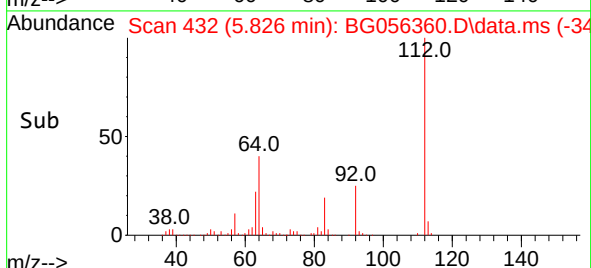
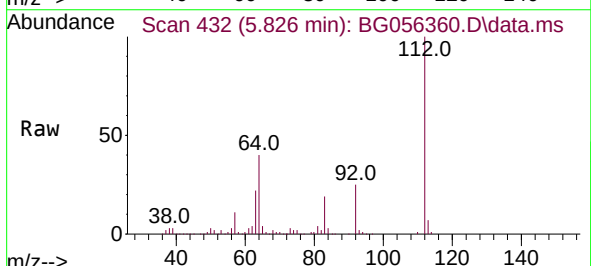
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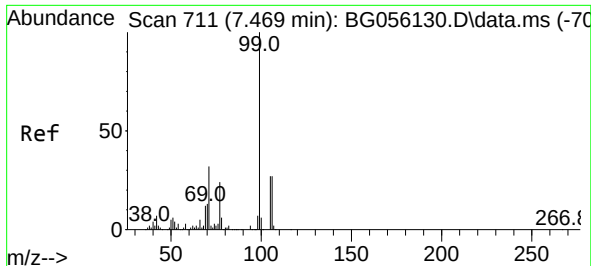
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#5
2-Fluorophenol
Concen: 93.258 ng
RT: 5.826 min Scan# 432
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

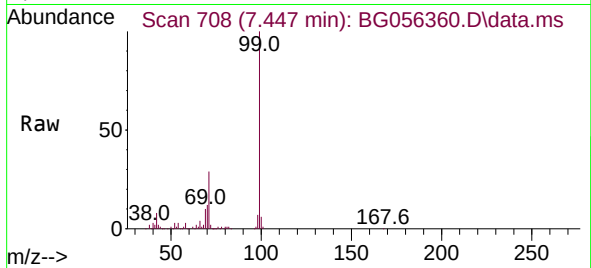
Tgt Ion:112 Resp: 295961
Ion Ratio Lower Upper
112 100
64 39.8 33.3 49.9
63 21.8 19.0 28.4





#7
Phenol-d6
Concen: 83.436 ng
RT: 7.447 min Scan# 70
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

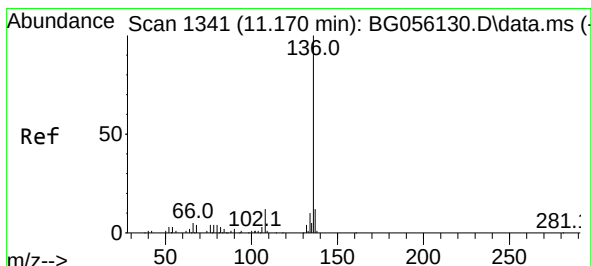
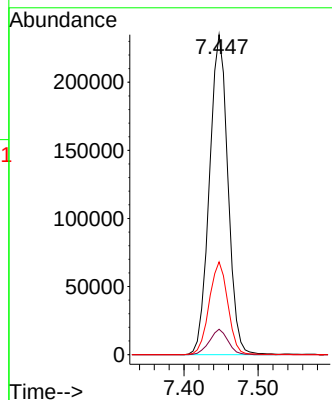
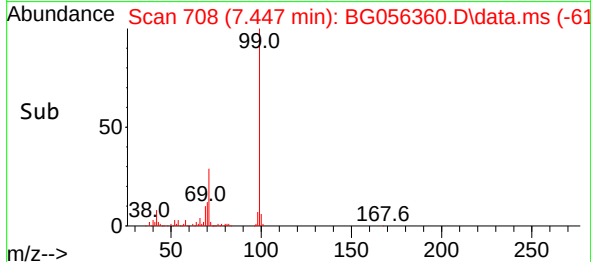
Instrument :
BNA_G
ClientSampleId :
TP-F



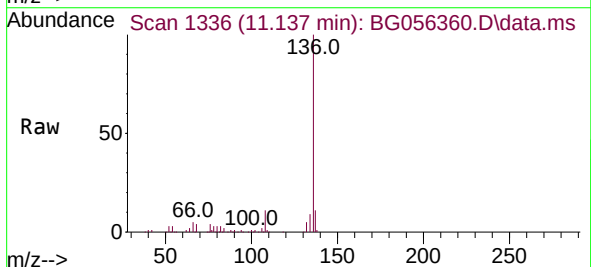
Tgt Ion: 99 Resp: 40664
Ion Ratio Lower Upper
99 100
42 8.0 5.9 8.9
71 29.0 25.4 38.2

Manual Integrations
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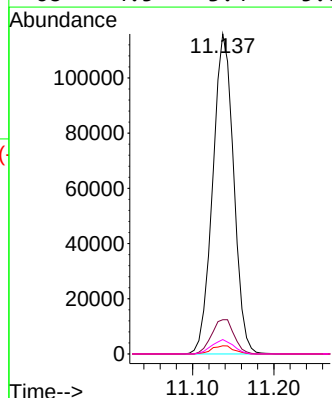
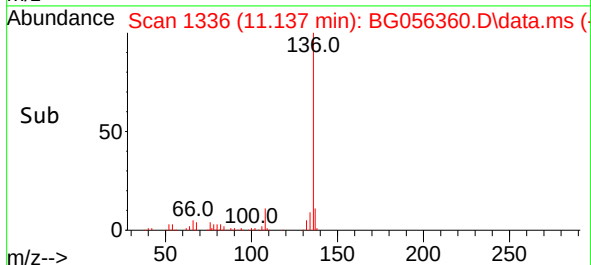
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

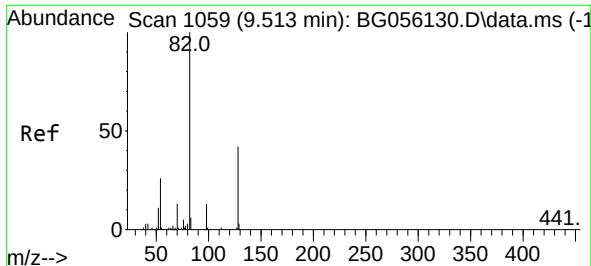


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 1336
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55



Tgt Ion:136 Resp: 206909
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.5 2.2 3.2
68 4.5 3.4 5.0





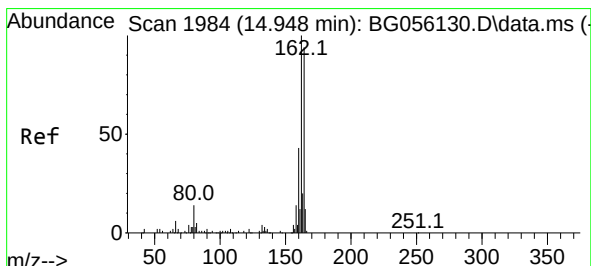
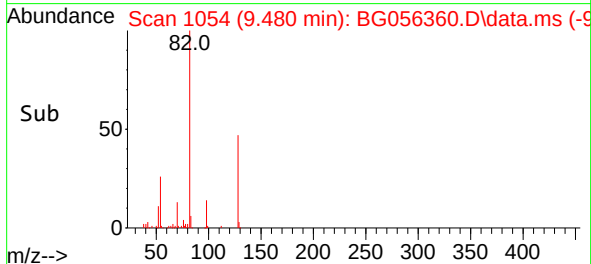
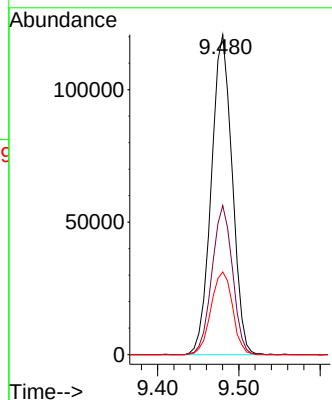
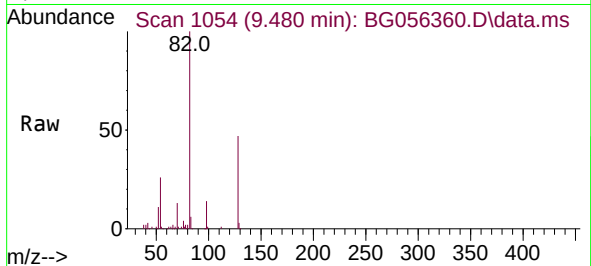
#23
Nitrobenzene-d5
Concen: 53.227 ng
RT: 9.480 min Scan# 1059
Delta R.T. -0.007 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion: 82 Resp: 215305
Ion Ratio Lower Upper
82 100
128 46.6 33.4 50.2
54 25.8 20.3 30.5

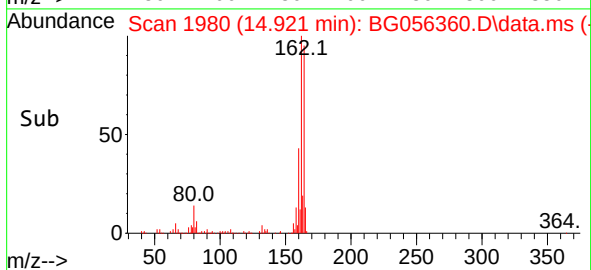
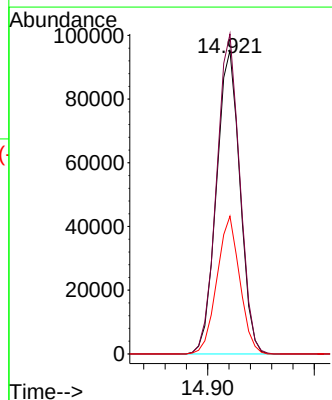
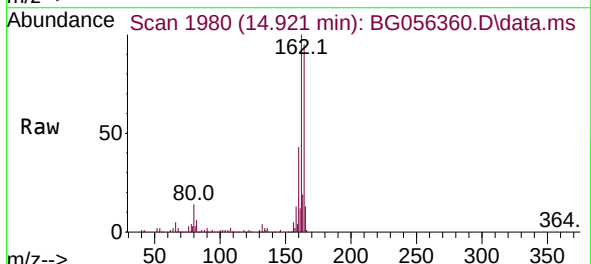
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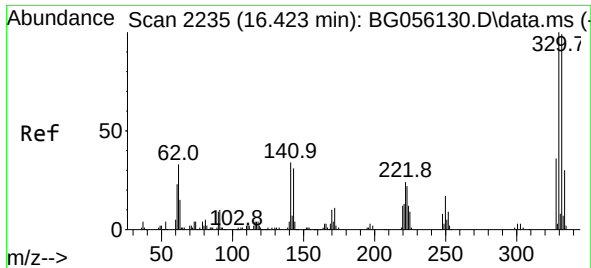
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

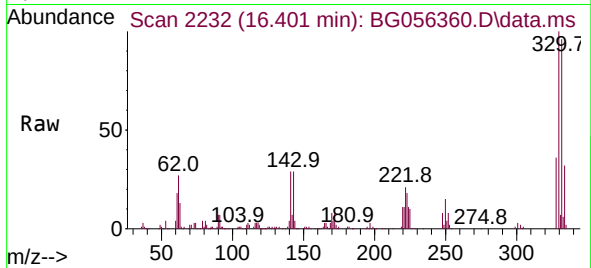
Tgt Ion:164 Resp: 145729
Ion Ratio Lower Upper
164 100
162 105.4 84.7 127.1
160 45.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 87.896 ng
RT: 16.401 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

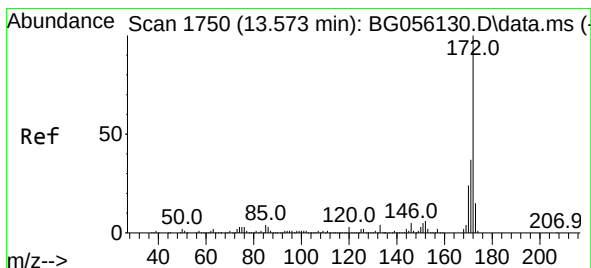
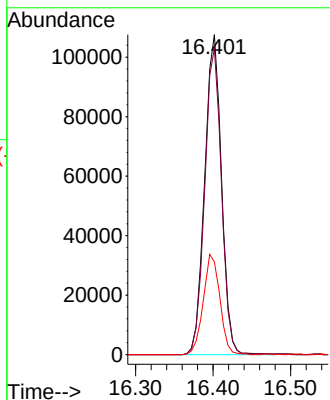
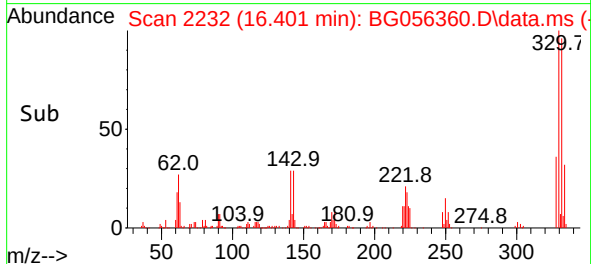
Instrument :
BNA_G
ClientSampleId :
TP-F



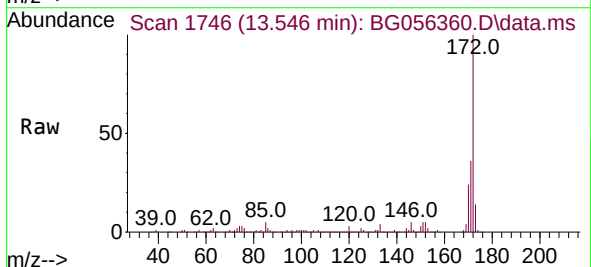
Tgt Ion:330 Resp: 162224
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 30.9 27.9 41.9

Manual Integrations
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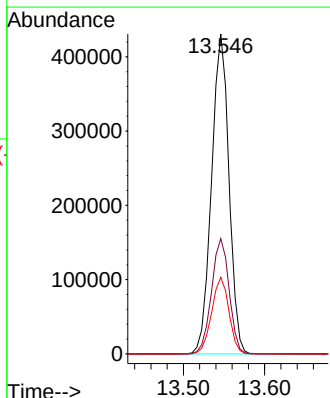
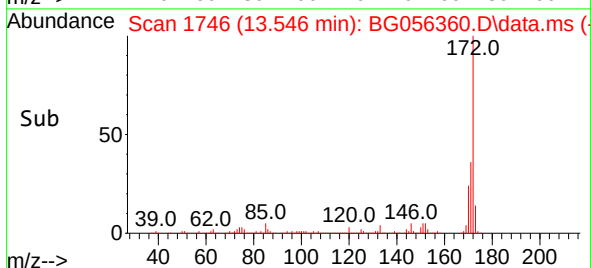
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

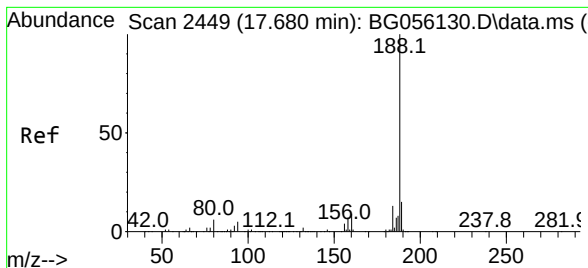


#45
2-Fluorobiphenyl
Concen: 60.715 ng
RT: 13.546 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55



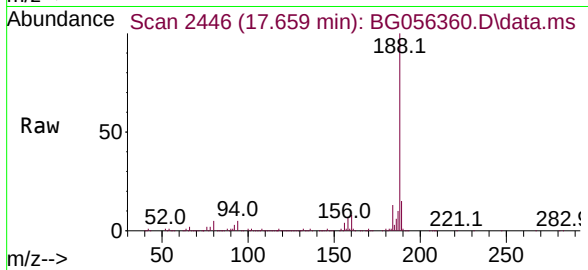
Tgt Ion:172 Resp: 640735
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

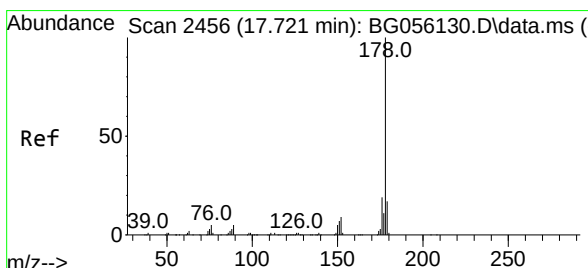
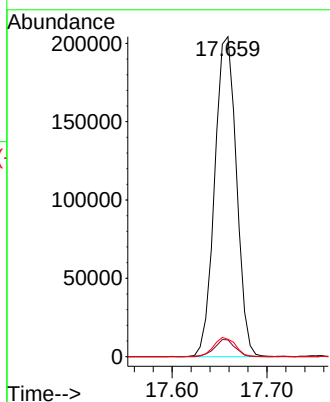
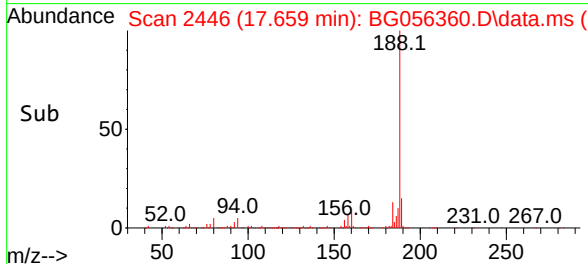
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:188 Resp: 325684
Ion Ratio Lower Upper
188 100
94 5.2 4.2 6.2
80 5.4 5.0 7.4

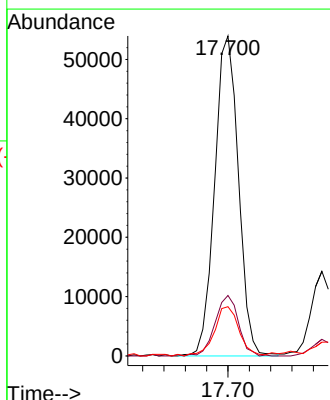
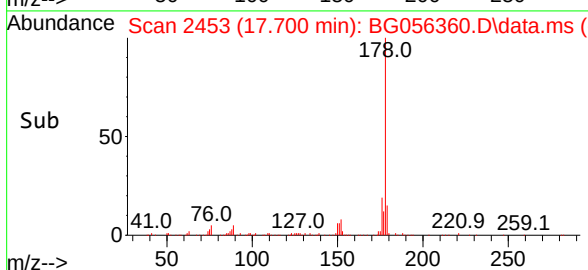
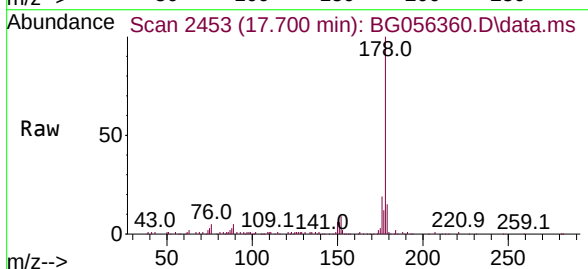
Manual Integrations
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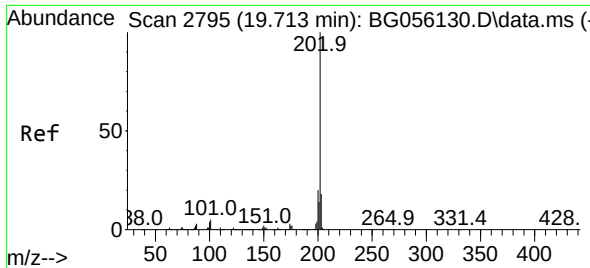
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#71
Phenanthrene
Concen: 4.950 ng
RT: 17.700 min Scan# 2453
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

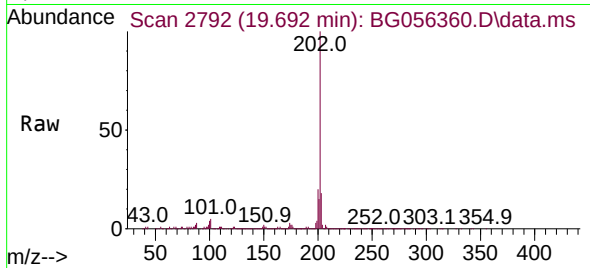
Tgt Ion:178 Resp: 83544
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 13.6 20.4





#75
Fluoranthene
Concen: 10.217 ng
RT: 19.692 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

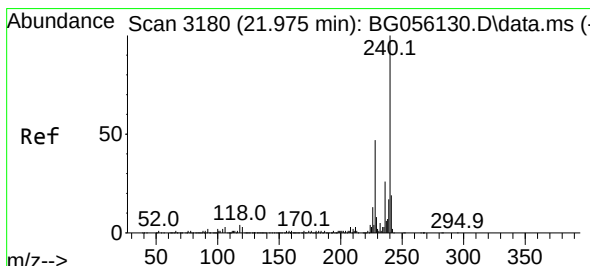
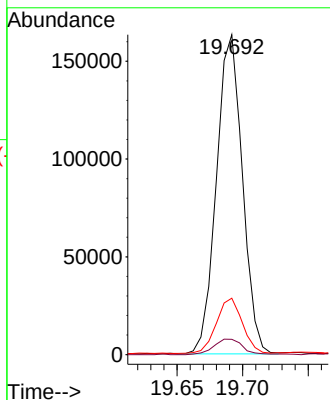
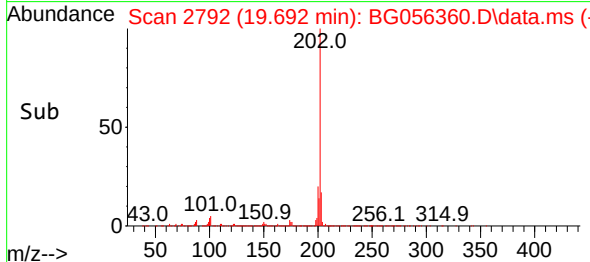
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:202 Resp: 224937
Ion Ratio Lower Upper
202 100
101 4.8 0.0 25.0
203 17.6 0.0 38.0

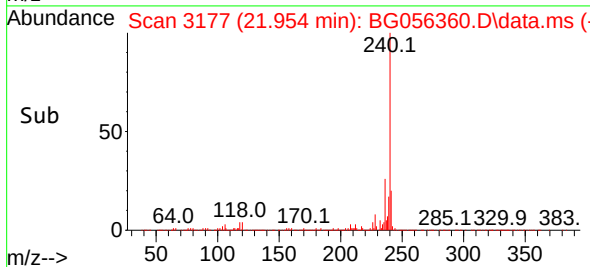
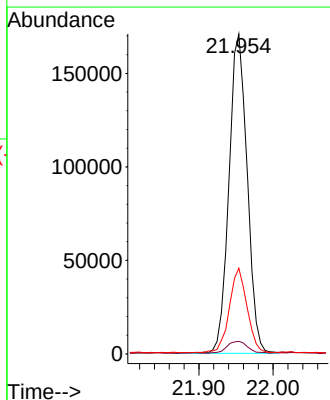
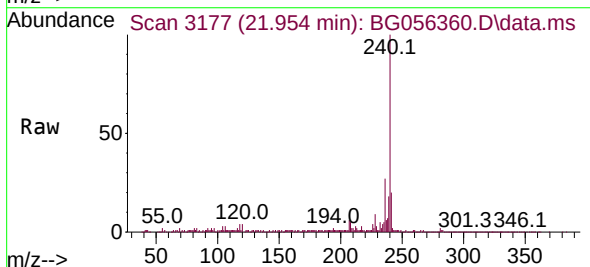
Manual Integrations
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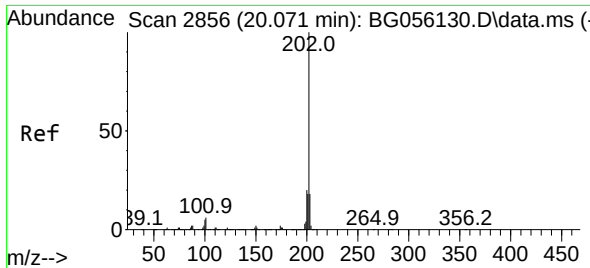
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

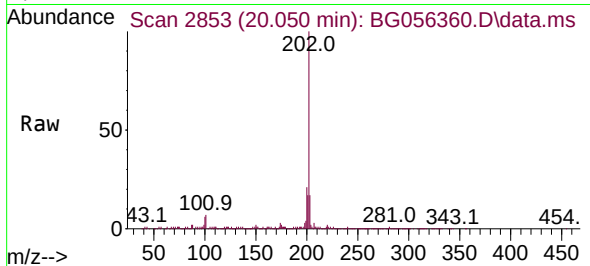
Tgt Ion:240 Resp: 290841
Ion Ratio Lower Upper
240 100
120 3.9 2.6 4.0
236 26.8 20.8 31.2





#78
 Pyrene
 Concen: 10.274 ng
 RT: 20.050 min Scan# 2853
 Delta R.T. -0.001 min
 Lab File: BG056360.D
 Acq: 19 Jan 2023 23:55

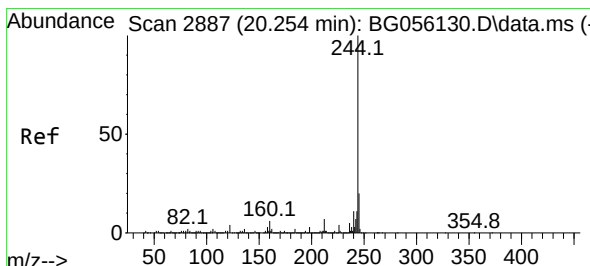
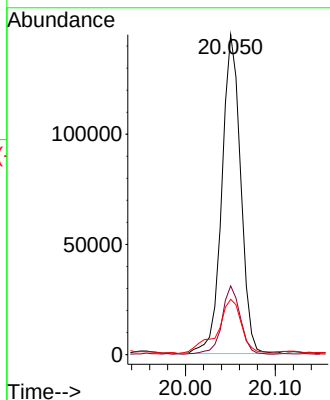
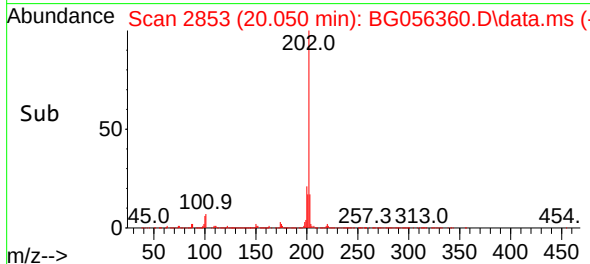
Instrument :
 BNA_G
 ClientSampleId :
 TP-F



Tgt Ion:202 Resp: 210624
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.4 24.6
 203 17.3 14.3 21.5

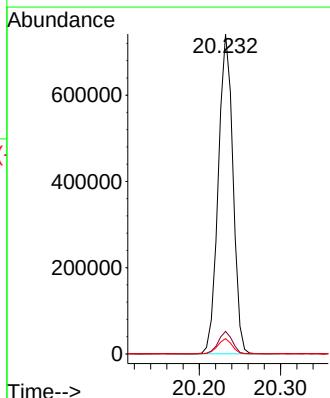
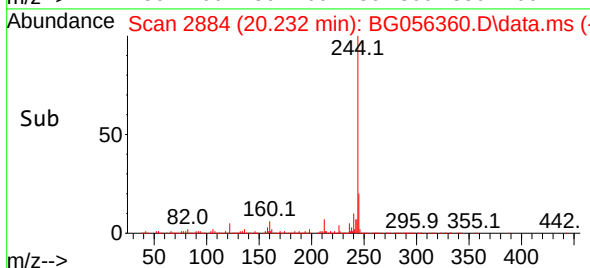
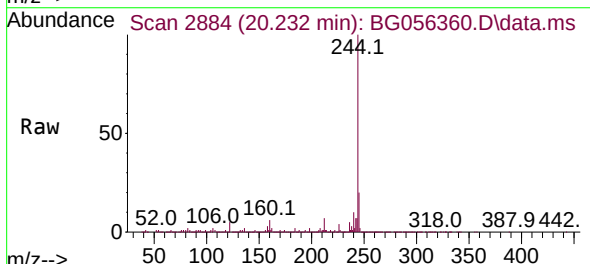
Manual Integrations
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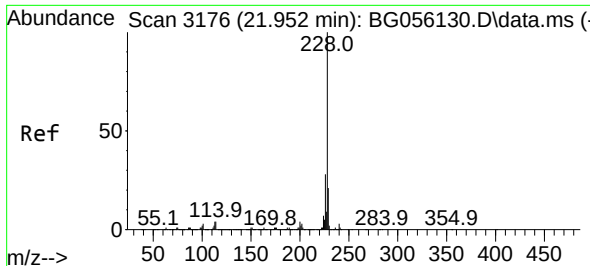
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#79
 Terphenyl-d14
 Concen: 57.025 ng
 RT: 20.232 min Scan# 2884
 Delta R.T. -0.001 min
 Lab File: BG056360.D
 Acq: 19 Jan 2023 23:55

Tgt Ion:244 Resp: 926006
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 4.8 3.5 5.3





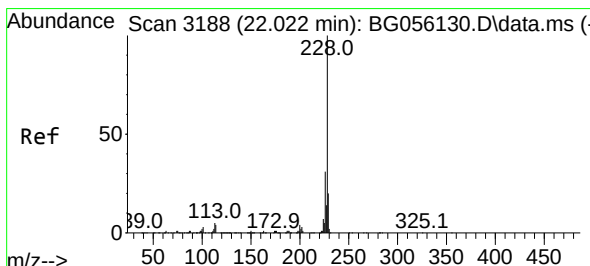
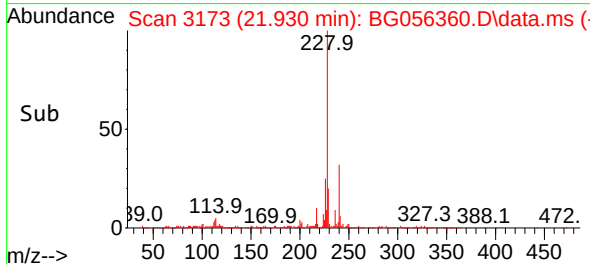
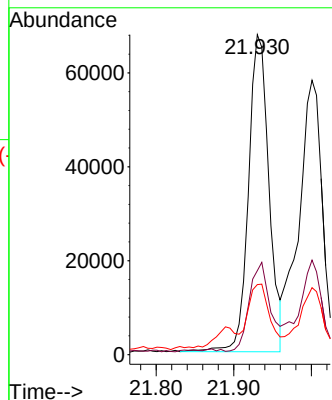
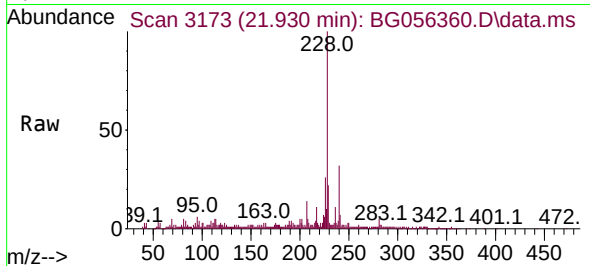
#81
Benzo(a)anthracene
Concen: 6.064 ng
RT: 21.930 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Instrument :
BNA_G
ClientSampleId :
TP-F

Tgt Ion:228 Resp: 123875
Ion Ratio Lower Upper
228 100
226 26.2 22.6 34.0
229 21.9 16.9 25.3

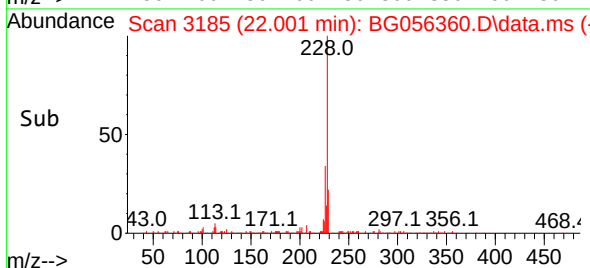
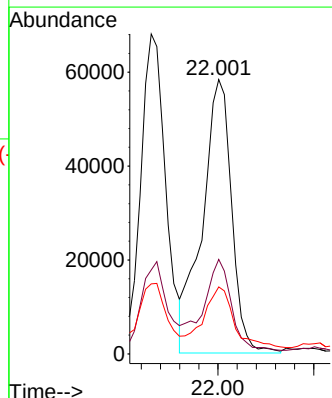
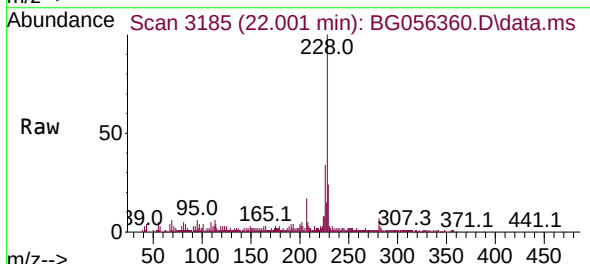
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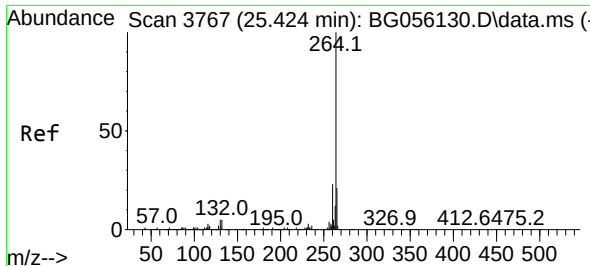
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#83
Chrysene
Concen: 6.509 ng m
RT: 22.001 min Scan# 3185
Delta R.T. -0.001 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

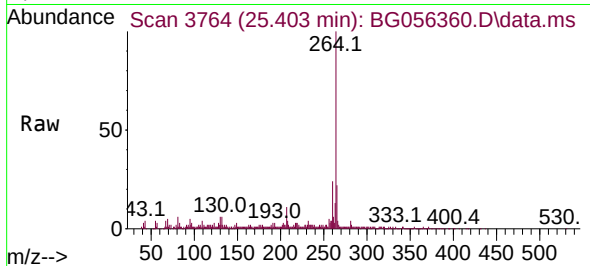
Tgt Ion:228 Resp: 124542
Ion Ratio Lower Upper
228 100
226 34.5 24.6 36.8
229 24.4 15.8 23.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.403 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

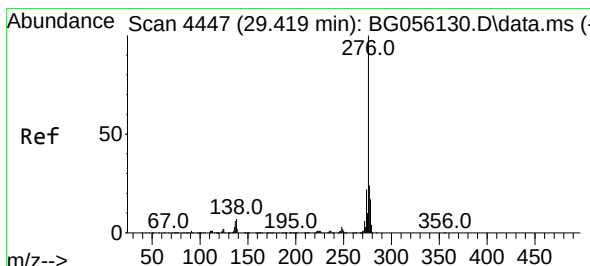
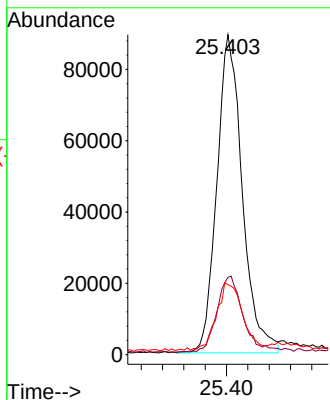
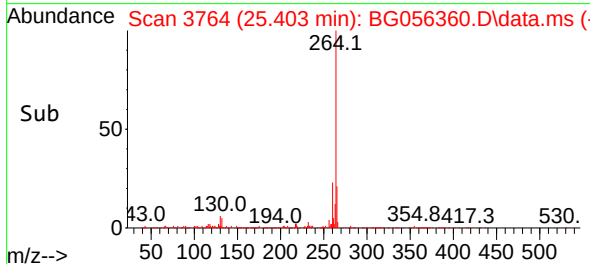
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:264 Resp: 295945
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.9 16.7 25.1

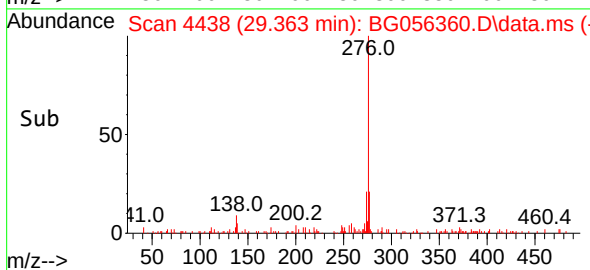
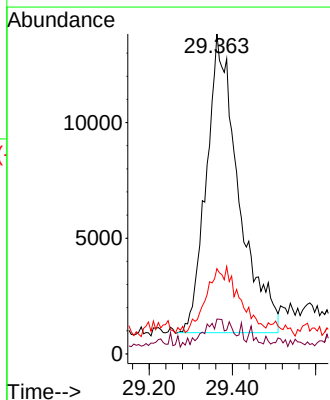
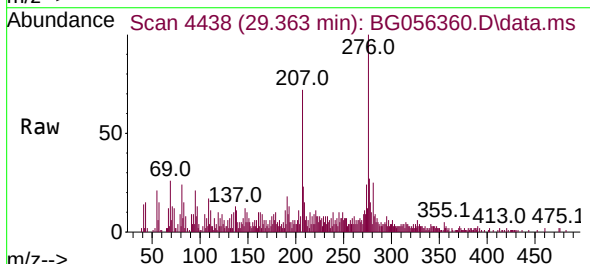
Manual Integrations
APPROVED

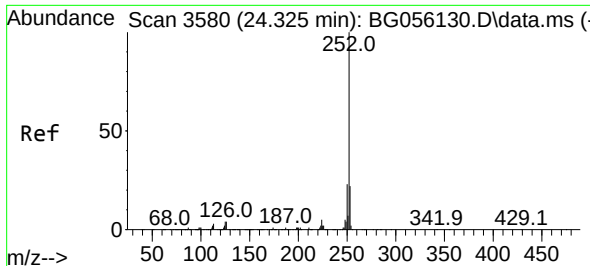
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.220 ng
RT: 29.363 min Scan# 4438
Delta R.T. 0.005 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

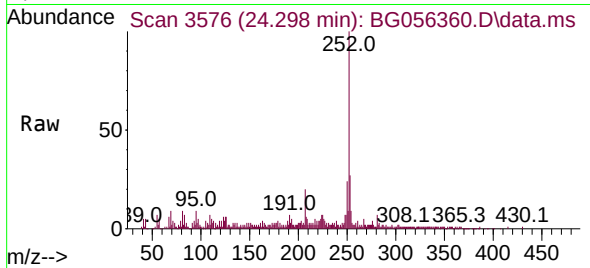
Tgt Ion:276 Resp: 69311
Ion Ratio Lower Upper
276 100
138 5.4 5.0 7.4
277 12.1 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 9.409 ng
RT: 24.298 min Scan# 3576
Delta R.T. 0.005 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

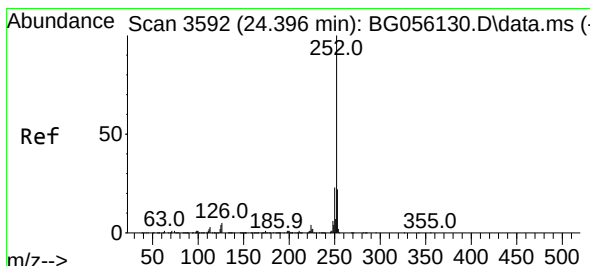
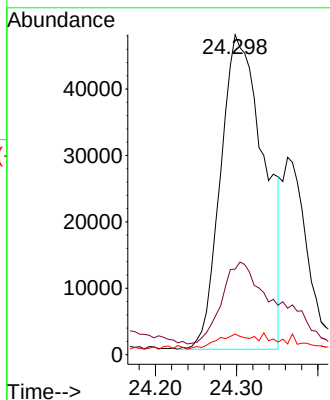
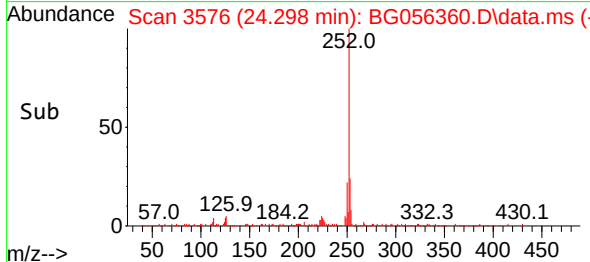
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:252 Resp: 176929
Ion Ratio Lower Upper
252 100
253 26.7 17.4 26.2
125 6.4 3.0 4.4

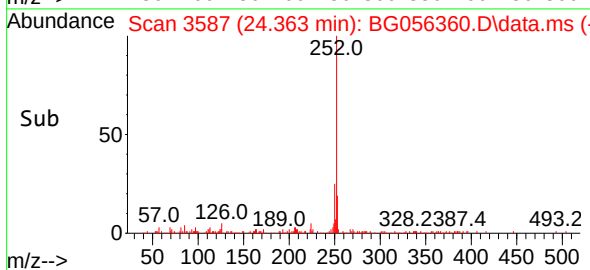
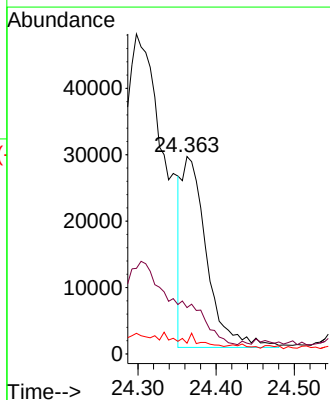
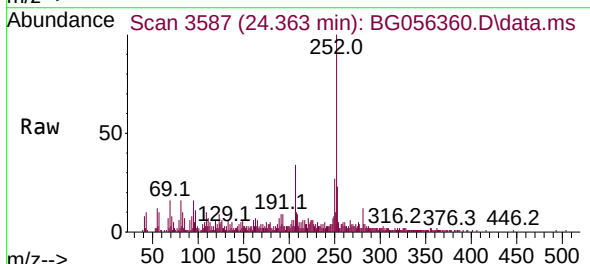
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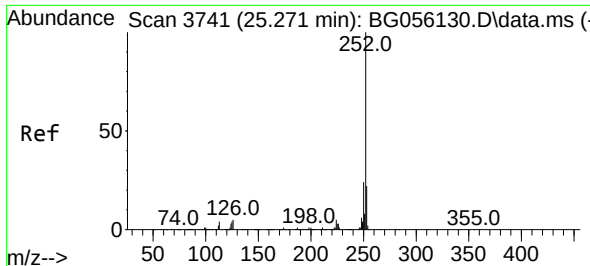
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.420 ng m
RT: 24.363 min Scan# 3587
Delta R.T. -0.007 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

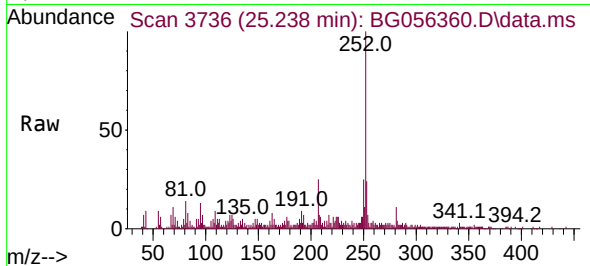
Tgt Ion:252 Resp: 64038
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 5.4 3.4 5.0





#90
Benzo(a)pyrene
Concen: 6.495 ng
RT: 25.238 min Scan# 3741
Delta R.T. 0.011 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

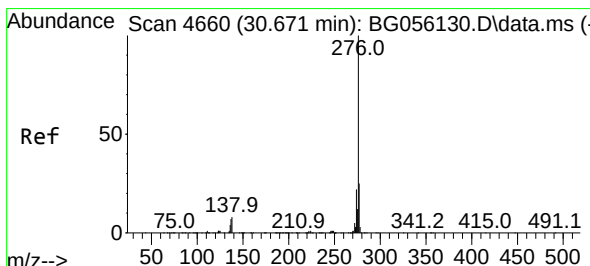
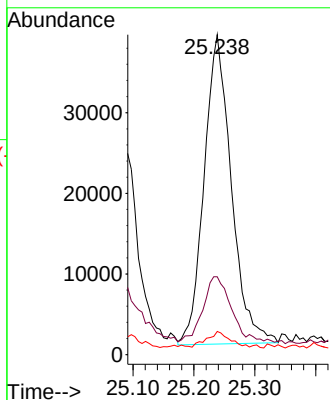
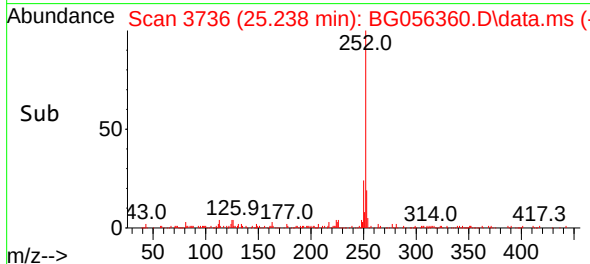
Instrument :
BNA_G
ClientSampleId :
TP-F



Tgt Ion:252 Resp: 119117
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 7.2 3.2 4.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#92
Benzo(g,h,i)perylene
Concen: 4.152 ng m
RT: 30.614 min Scan# 4651
Delta R.T. 0.017 min
Lab File: BG056360.D
Acq: 19 Jan 2023 23:55

Tgt Ion:276 Resp: 72661
Ion Ratio Lower Upper
276 100
277 27.3 19.7 29.5
138 12.3 6.7 10.1

