

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055770.D
 Acq On : 24 Nov 2022 1:06
 Operator : CG/JU
 Sample : N5754-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164718

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 06:10:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.236	152	51262	20.000	ng	0.00
21) Naphthalene-d8	11.068	136	209983	20.000	ng	0.00
39) Acenaphthene-d10	14.863	164	140451	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	293146	20.000	ng	0.00
76) Chrysene-d12	21.902	240	284769	20.000	ng	0.00
86) Perylene-d12	25.304	264	305348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	21077	7.432	ng	0.00
7) Phenol-d6	7.384	99	32100	8.503	ng	0.00
23) Nitrobenzene-d5	9.411	82	22104	5.564	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	9532	4.820	ng	0.00
45) 2-Fluorobiphenyl	13.483	172	59008	6.294	ng	0.00
79) Terphenyl-d14	20.187	244	94506	6.638	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.903	166	21485	2.037	ng	98
71) Phenanthrene	17.648	178	204541	12.930	ng	98
72) Anthracene	17.736	178	56122	3.651	ng	99
75) Fluoranthene	19.646	202	262132	13.620	ng	99
78) Pyrene	20.004	202	217218	11.269	ng	99
81) Benzo(a)anthracene	21.879	228	122904	6.266	ng	99
83) Chrysene	21.949	228	105338	5.641	ng	99
88) Benzo(b)fluoranthene	24.217	252	140642	7.072	ng	# 96
89) Benzo(k)fluoranthene	24.282	252	52993m	2.673	ng	
90) Benzo(a)pyrene	25.140	252	100418	5.885	ng	# 94

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

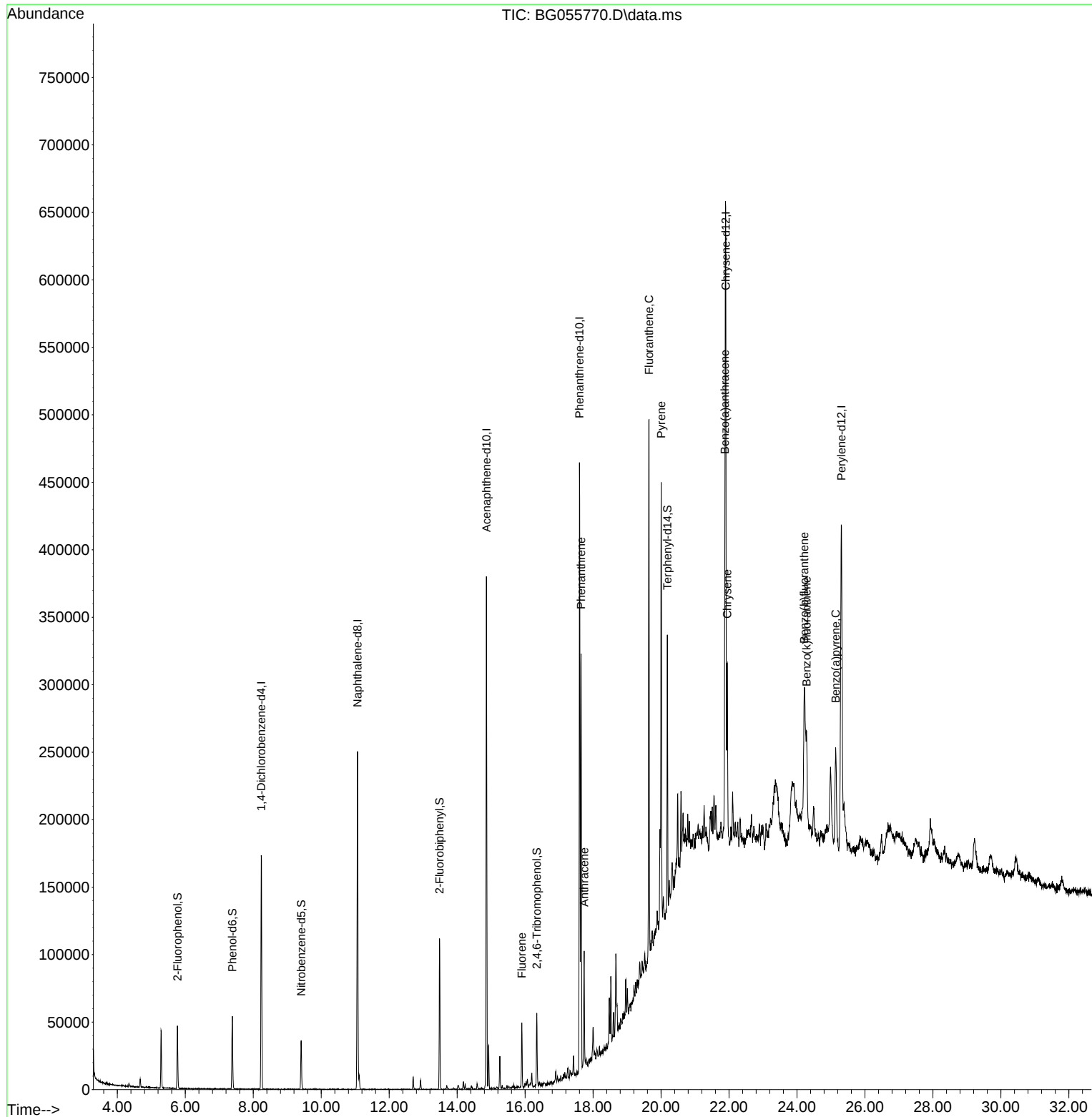
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055770.D
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Operator : CG/JU
Sample : N5754-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

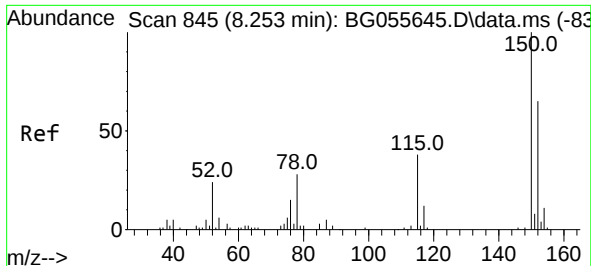
Instrument :
BNA_G
ClientSampleId :
PSC-164718

Quant Time: Nov 24 06:10:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration

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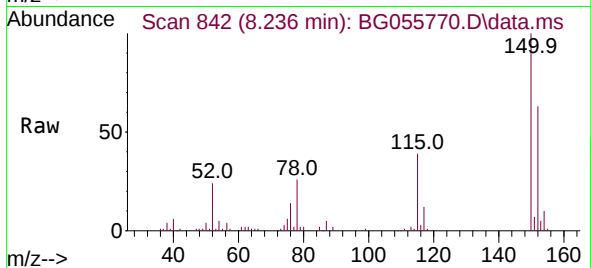
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.236 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

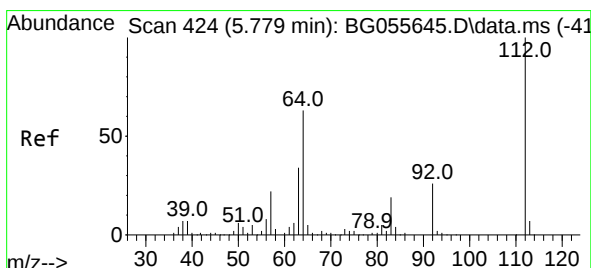
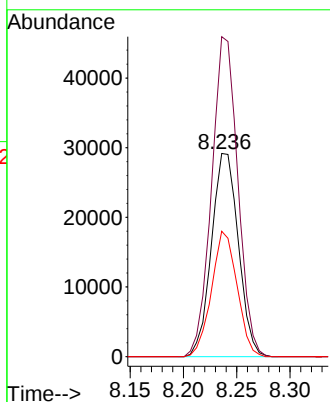
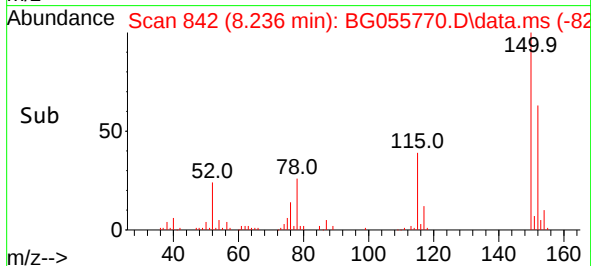
Instrument :
BNA_G
ClientSampleId :
PSC-164718



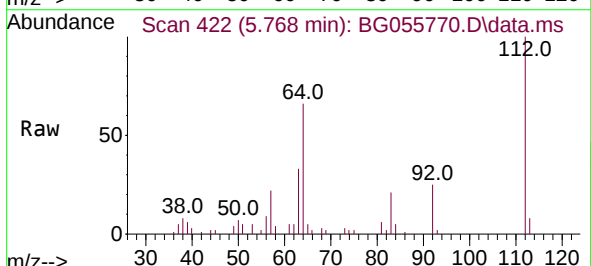
Tgt Ion:152 Resp: 51262
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.6
115 61.7 47.0 70.4

Manual Integrations
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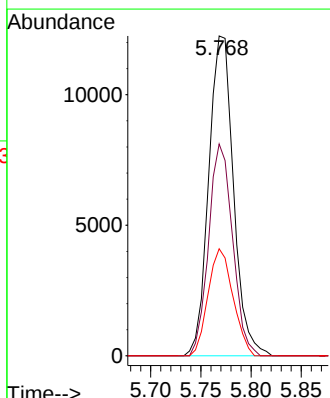
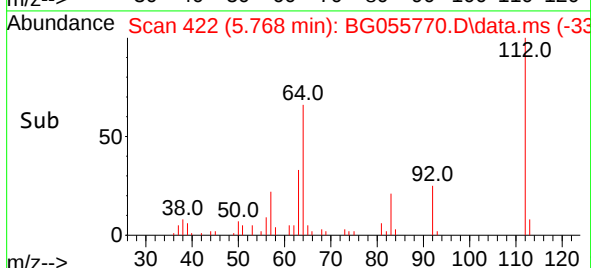
Reviewed By :Christian Giraldo 11/25/2022
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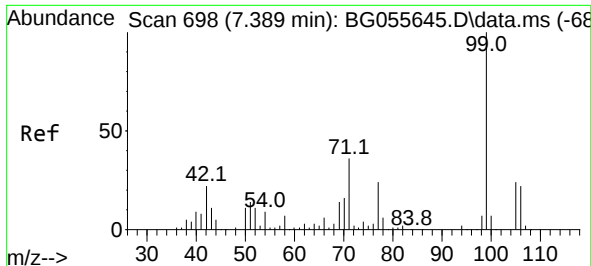


#5
2-Fluorophenol
Concen: 7.432 ng
RT: 5.768 min Scan# 422
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06



Tgt Ion:112 Resp: 21077
Ion Ratio Lower Upper
112 100
64 66.2 50.6 76.0
63 33.5 27.5 41.3





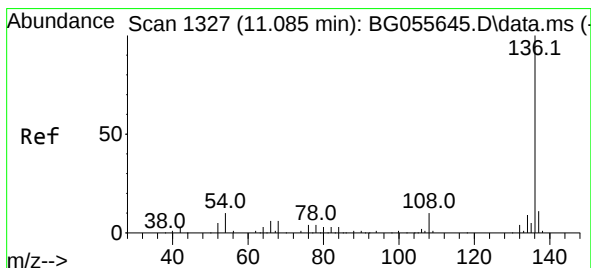
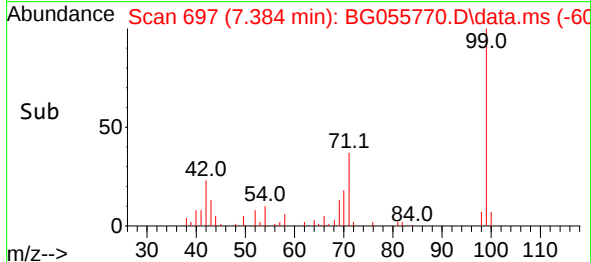
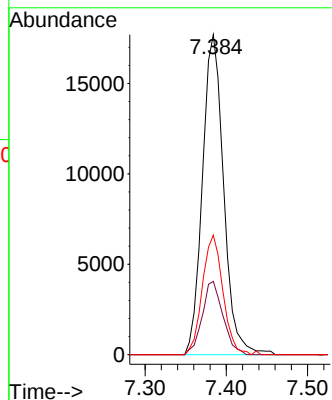
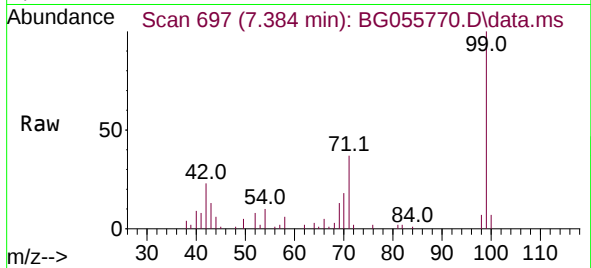
#7
Phenol-d6
Concen: 8.503 ng
RT: 7.384 min Scan# 69
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Instrument :
BNA_G
ClientSampleId :
PSC-164718

Tgt Ion: 99 Resp: 32100
Ion Ratio Lower Upper
99 100
42 22.9 18.0 27.0
71 37.3 29.0 43.6

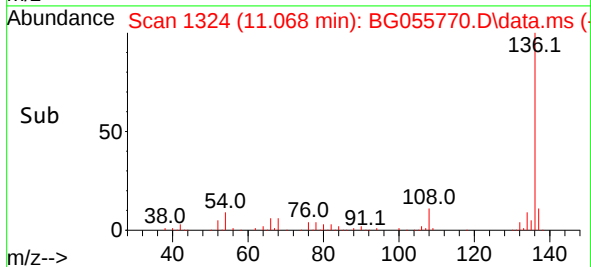
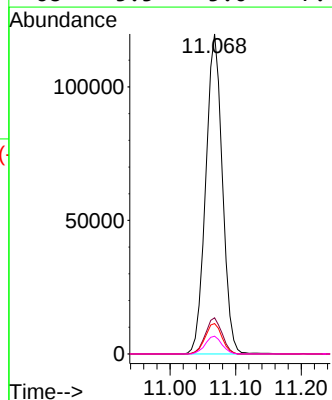
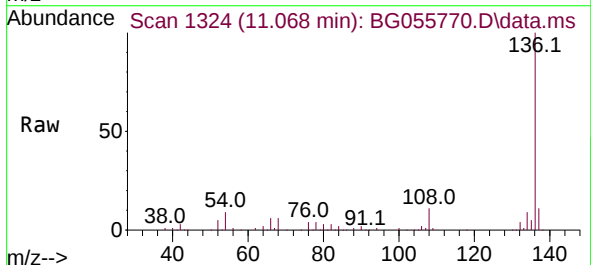
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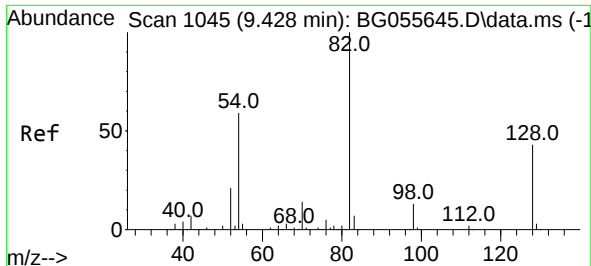
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.068 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:136 Resp: 209983
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.5 7.8 11.6
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 5.564 ng

RT: 9.411 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

Instrument :

BNA_G

ClientSampleId :

PSC-164718

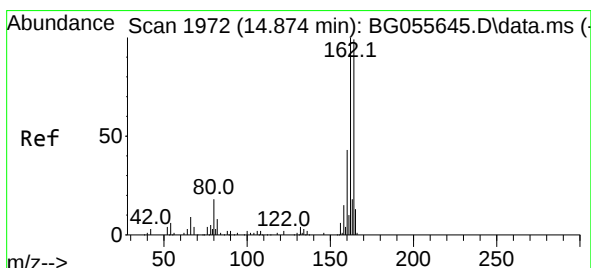
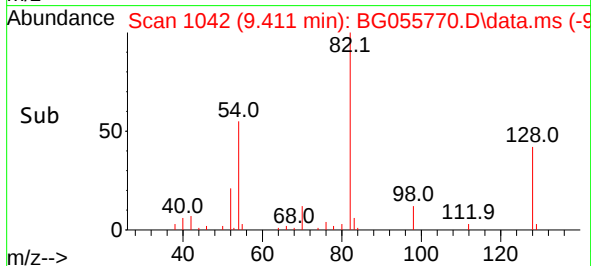
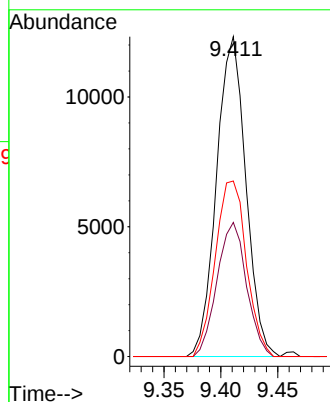
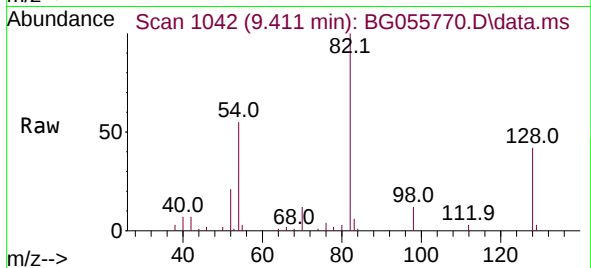
Tgt Ion: 82 Resp: 22104

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.1	51.1
54	54.9	47.3	70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.863 min Scan# 1970

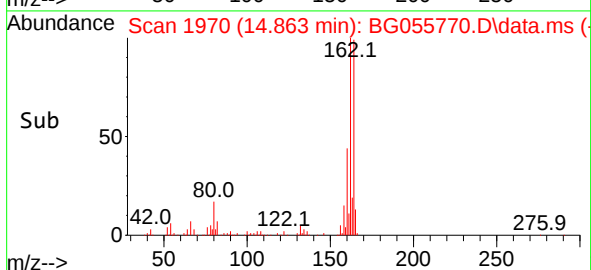
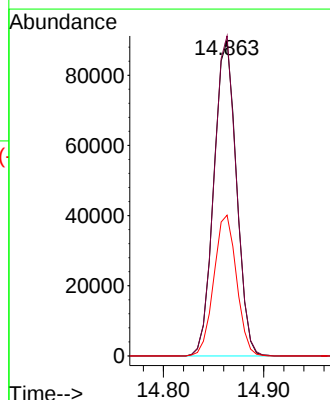
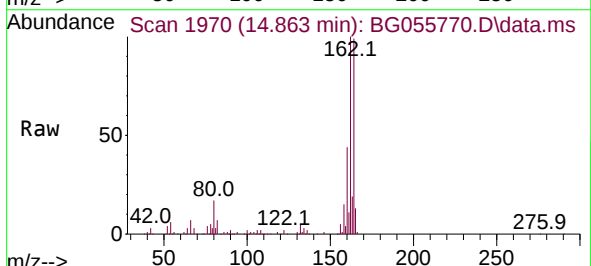
Delta R.T. 0.000 min

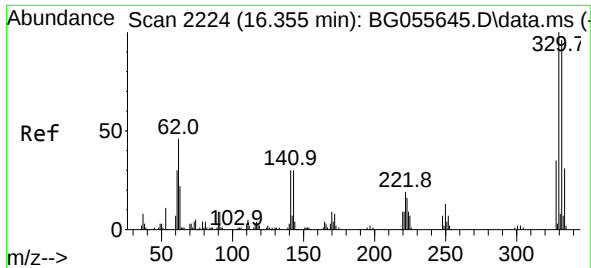
Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

Tgt Ion:164 Resp: 140451

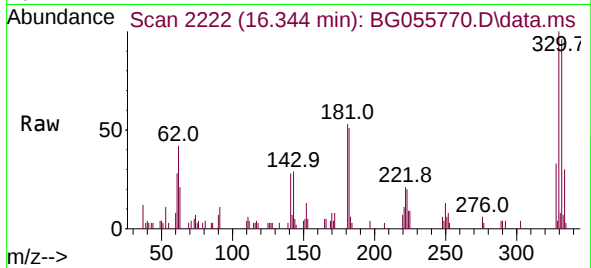
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.1	121.7
160	44.6	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 4.820 ng
RT: 16.344 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

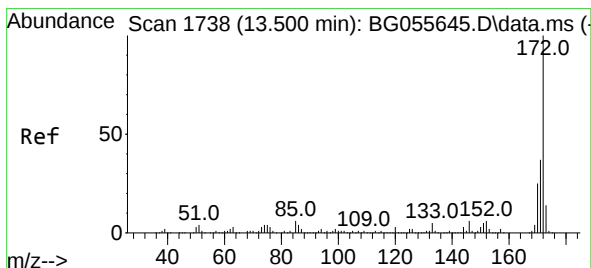
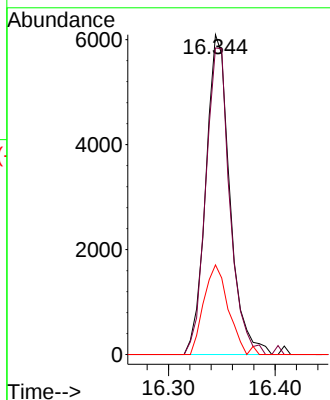
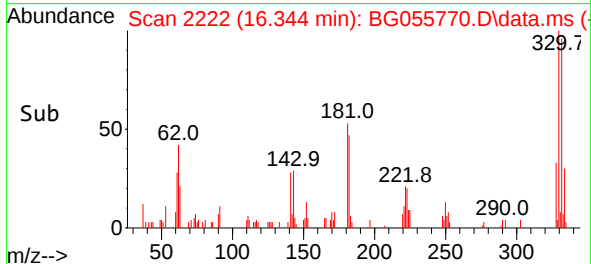
Instrument :
BNA_G
ClientSampleId :
PSC-164718



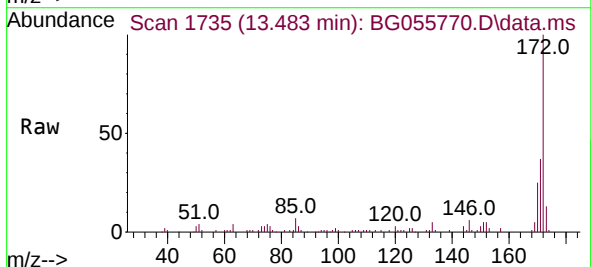
Tgt Ion:330 Resp: 9532
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 28.7 23.9 35.9

Manual Integrations
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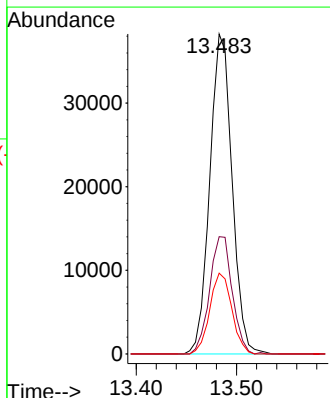
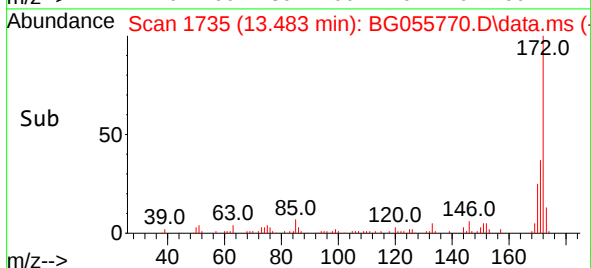
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

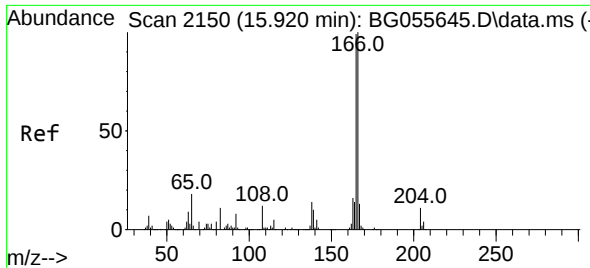


#45
2-Fluorobiphenyl
Concen: 6.294 ng
RT: 13.483 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06



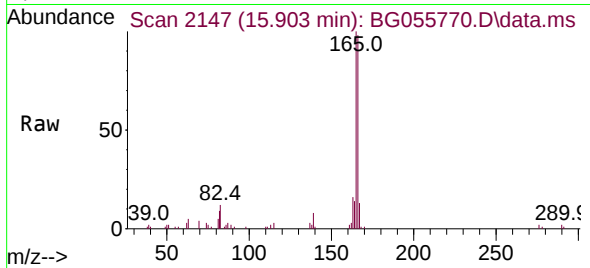
Tgt Ion:172 Resp: 59008
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 25.2 20.2 30.4





#58
 Fluorene
 Concen: 2.037 ng
 RT: 15.903 min Scan# 2147
 Delta R.T. -0.006 min
 Lab File: BG055770.D
 Acq: 24 Nov 2022 1:06

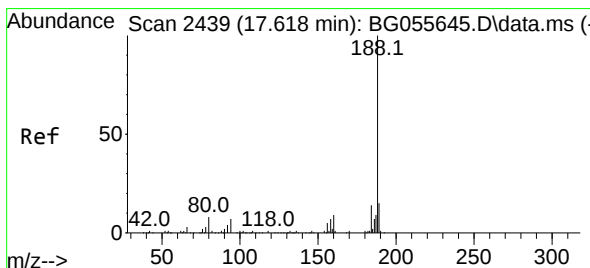
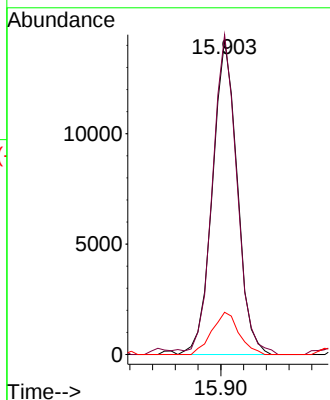
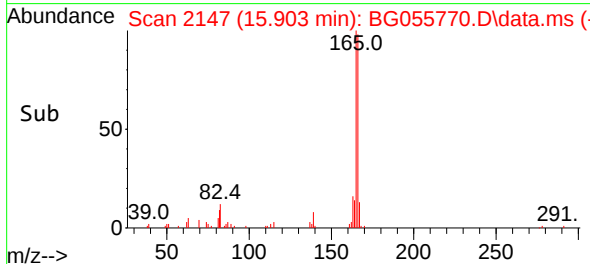
Instrument :
 BNA_G
 ClientSampleId :
 PSC-164718



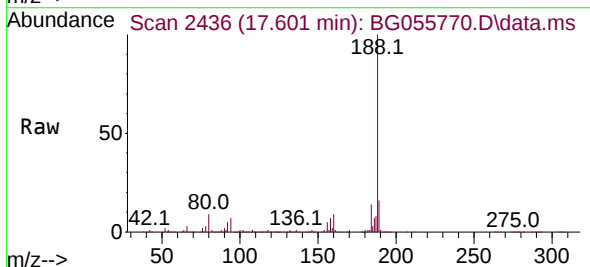
Tgt Ion:166 Resp: 21485
 Ion Ratio Lower Upper
 166 100
 165 101.6 79.3 118.9
 167 13.4 10.6 15.8

Manual Integrations
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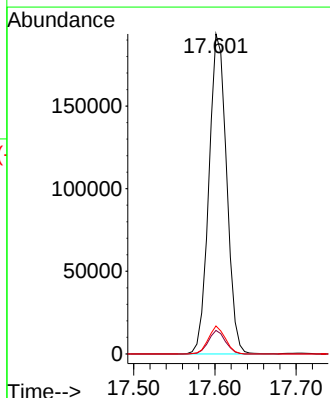
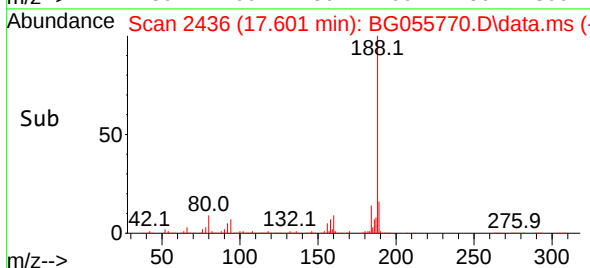
Reviewed By :Christian Giraldo 11/25/2022
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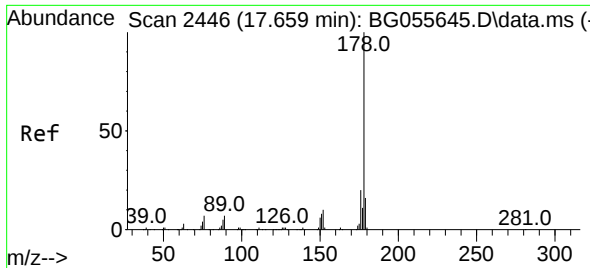


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.601 min Scan# 2436
 Delta R.T. -0.006 min
 Lab File: BG055770.D
 Acq: 24 Nov 2022 1:06



Tgt Ion:188 Resp: 293146
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.4 8.2
 80 8.8 6.6 10.0





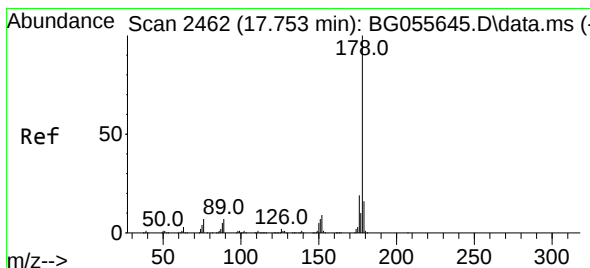
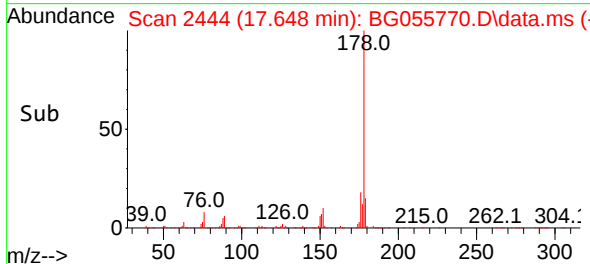
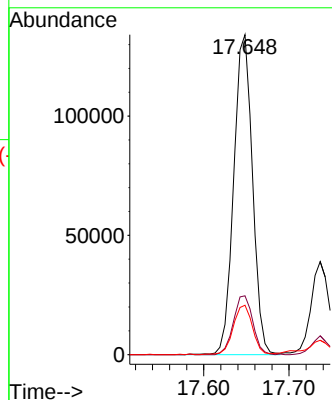
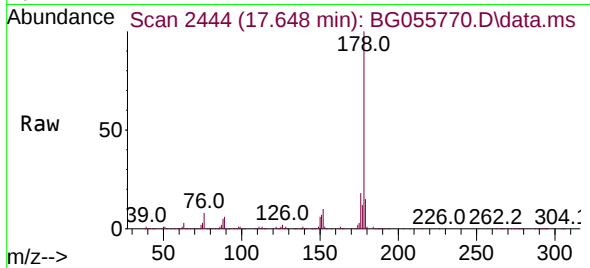
#71
Phenanthrene
Concen: 12.930 ng
RT: 17.648 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Instrument :
BNA_G
ClientSampleId :
PSC-164718

Tgt Ion:178 Resp: 20454
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.4 12.7 19.1

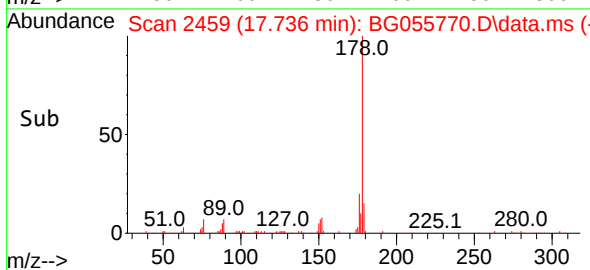
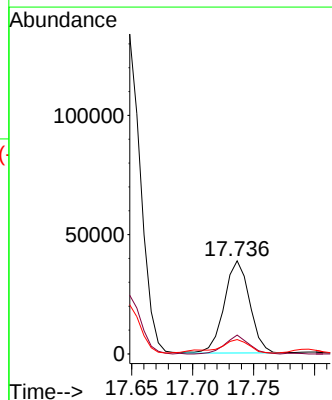
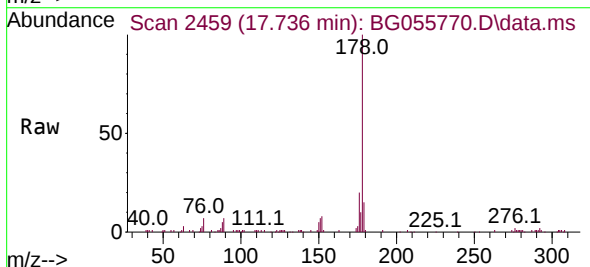
Manual Integrations
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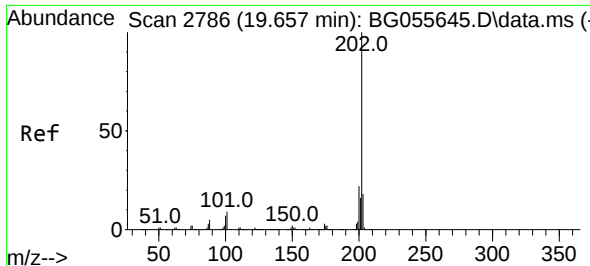
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#72
Anthracene
Concen: 3.651 ng
RT: 17.736 min Scan# 2459
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

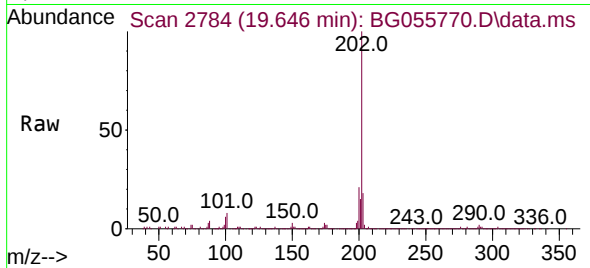
Tgt Ion:178 Resp: 56122
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 13.620 ng
RT: 19.646 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

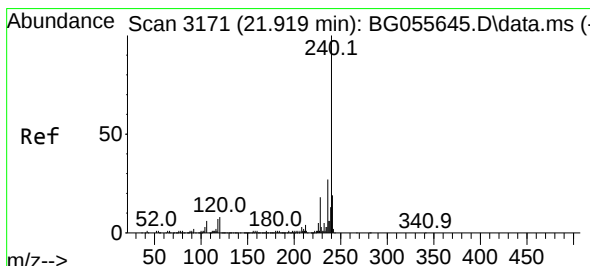
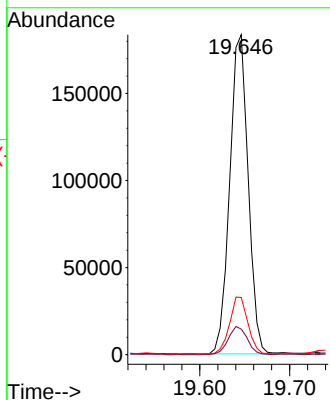
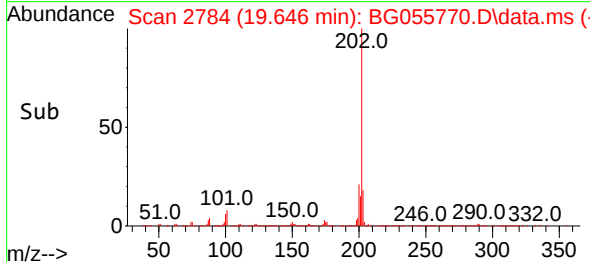
Instrument :
BNA_G
ClientSampleId :
PSC-164718



Tgt Ion:202 Resp: 262132
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.8
203 17.9 0.0 38.1

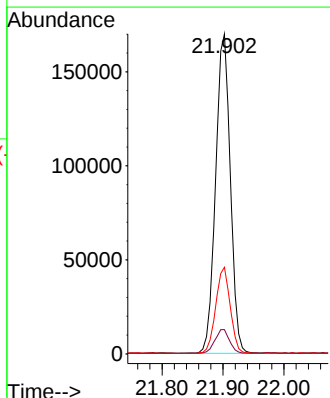
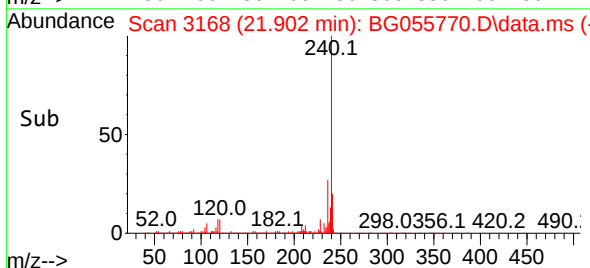
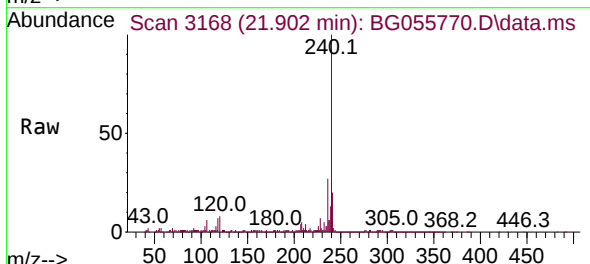
Manual Integrations
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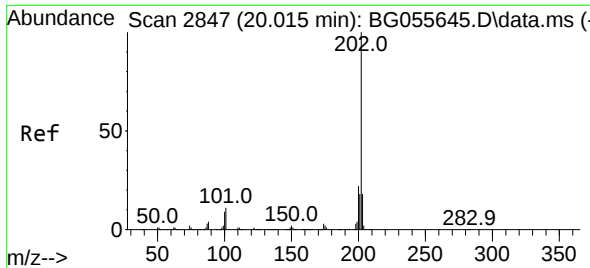
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

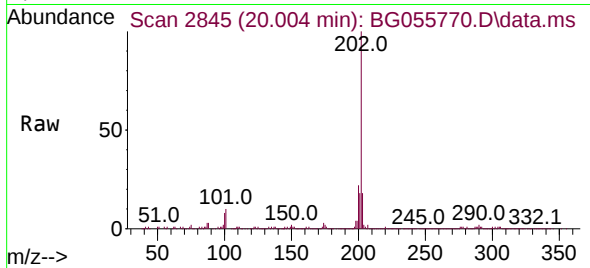
Tgt Ion:240 Resp: 284769
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 27.1 21.9 32.9





#78
Pyrene
Concen: 11.269 ng
RT: 20.004 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

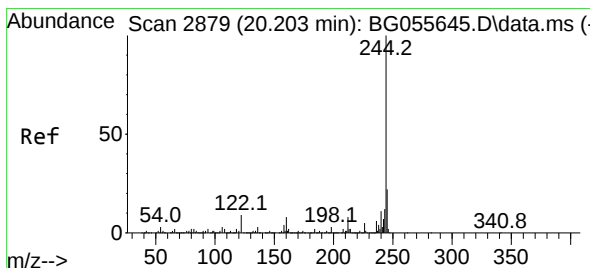
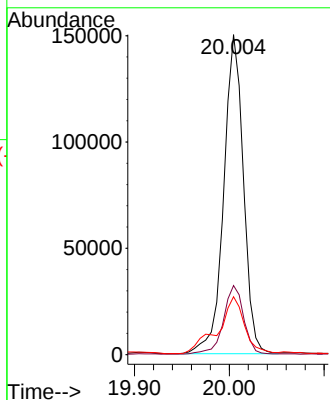
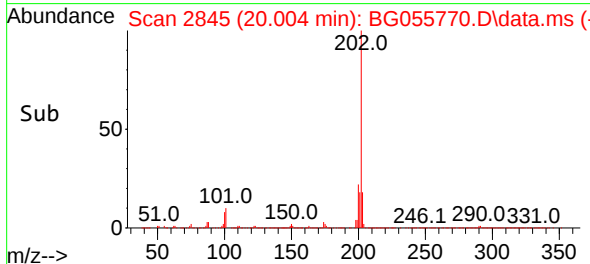
Instrument :
BNA_G
ClientSampleId :
PSC-164718



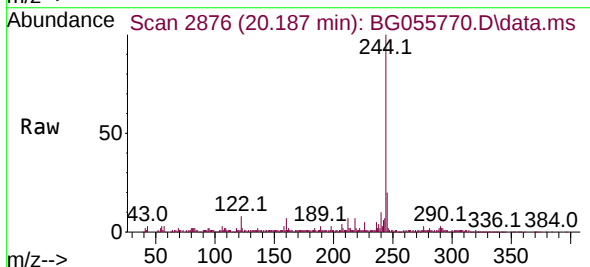
Tgt Ion:202 Resp: 217218
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.1 14.4 21.6

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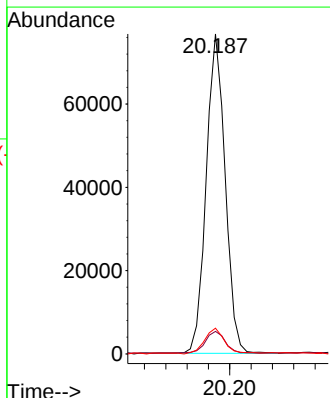
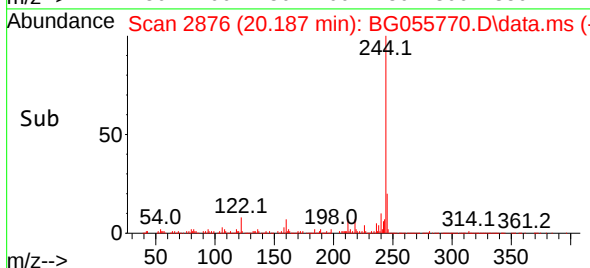
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

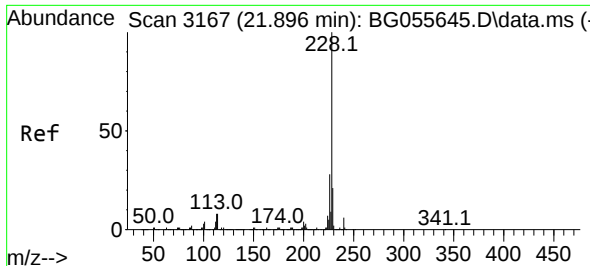


#79
Terphenyl-d14
Concen: 6.638 ng
RT: 20.187 min Scan# 2876
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06



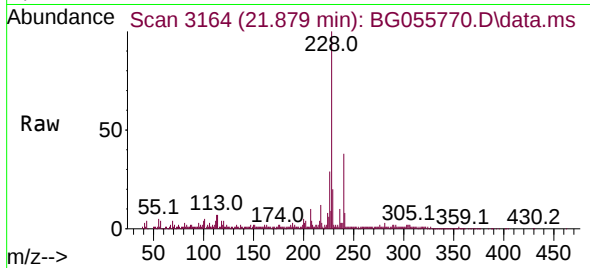
Tgt Ion:244 Resp: 94506
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 8.0 6.9 10.3





#81
Benzo(a)anthracene
Concen: 6.266 ng
RT: 21.879 min Scan# 3164
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

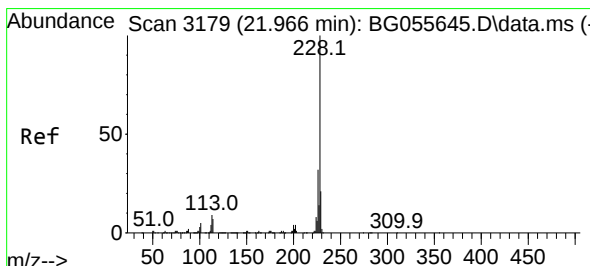
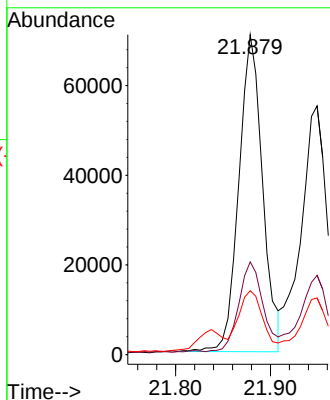
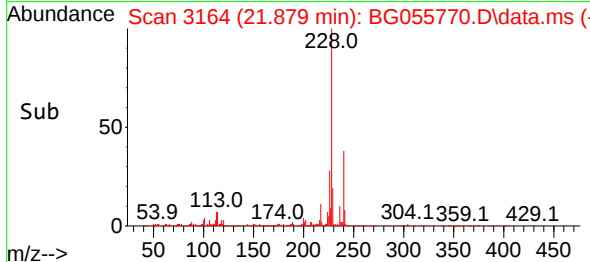
Instrument :
BNA_G
ClientSampleId :
PSC-164718



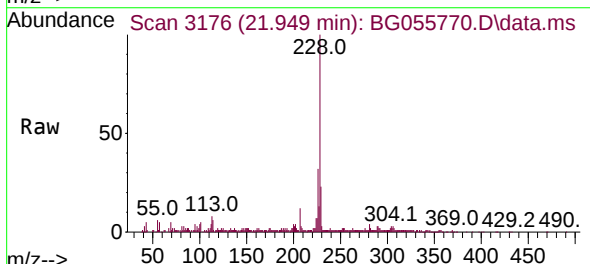
Tgt Ion:228 Resp: 122904
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.0 16.5 24.7

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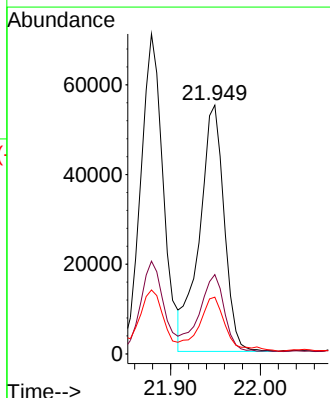
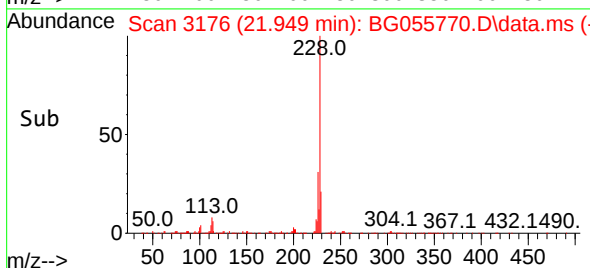
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

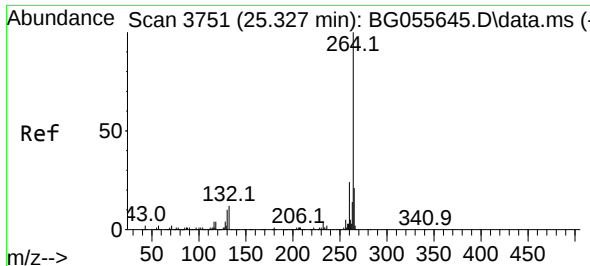


#83
Chrysene
Concen: 5.641 ng
RT: 21.949 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06



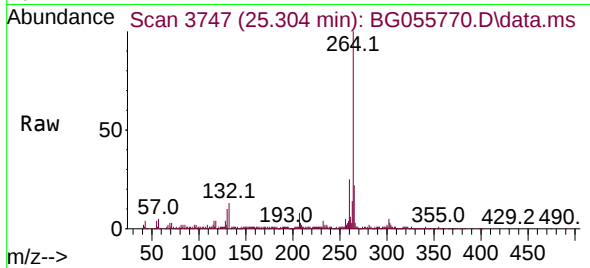
Tgt Ion:228 Resp: 105338
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.2
229 22.8 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

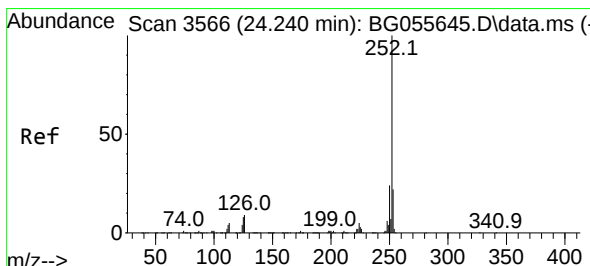
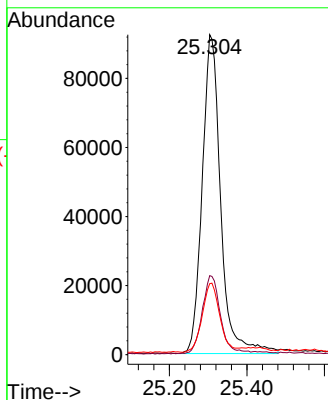
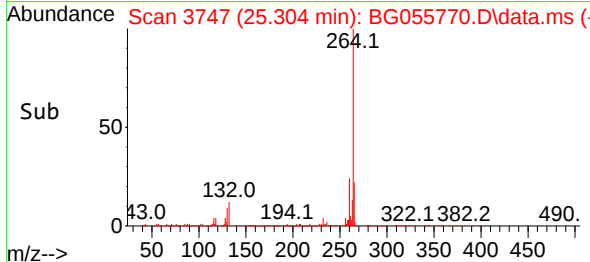
Instrument :
BNA_G
ClientSampleId :
PSC-164718



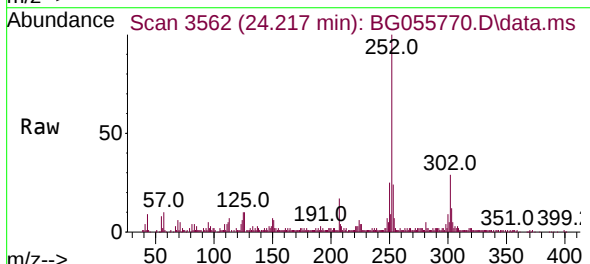
Tgt Ion:264 Resp: 305348
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.2 17.1 25.7

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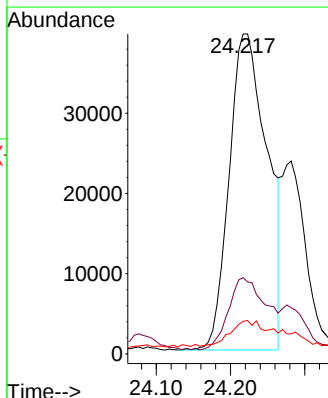
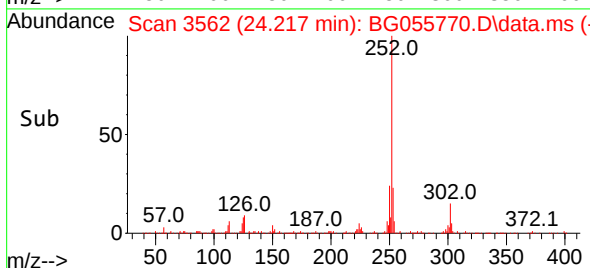
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

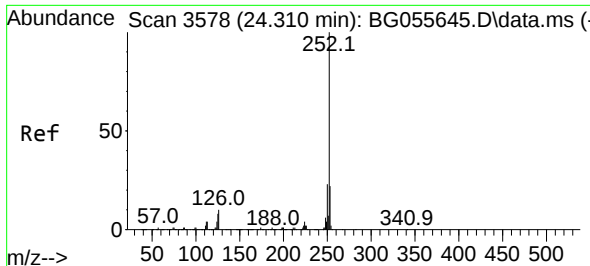


#88
Benzo(b)fluoranthene
Concen: 7.072 ng
RT: 24.217 min Scan# 3562
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06



Tgt Ion:252 Resp: 140642
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 10.2 6.2 9.2#





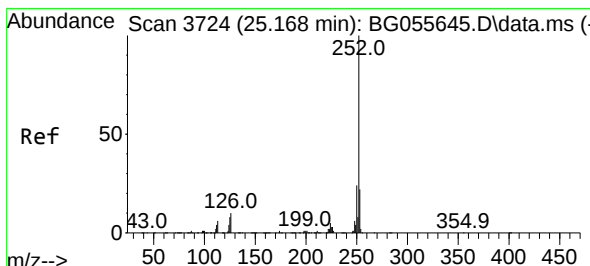
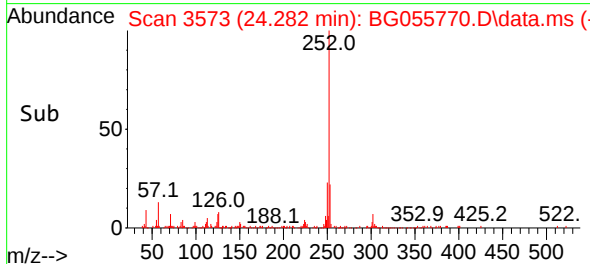
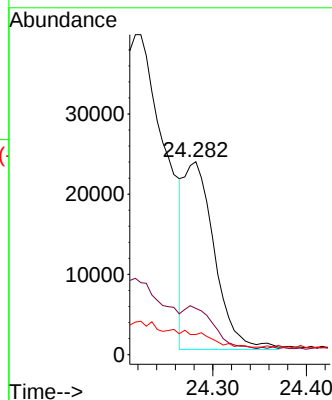
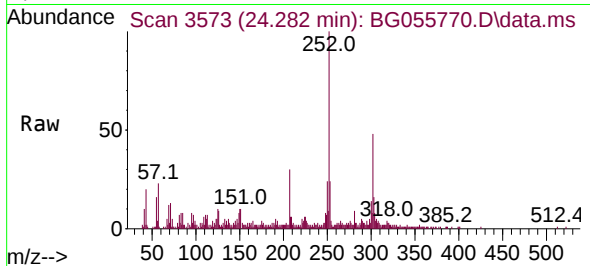
#89
Benzo(k)fluoranthene
Concen: 2.673 ng m
RT: 24.282 min Scan# 3578
Delta R.T. -0.011 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Instrument :
BNA_G
ClientSampleId :
PSC-164718

Tgt Ion:252 Resp: 52993
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.4 6.1 9.1

Manual Integrations
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Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#90
Benzo(a)pyrene
Concen: 5.885 ng
RT: 25.140 min Scan# 3719
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:252 Resp: 100418
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 10.2 6.4 9.6

