

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056028.D
 Acq On : 20 Dec 2022 13:39
 Operator : CG/JU
 Sample : N6037-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-19-(2.3-4.3)

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/21/2022
 Supervised By :Jagrut Upadhyay 12/21/2022

Quant Time: Dec 21 02:36:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	11459	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	44629	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	34416	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	83498	20.000	ng	0.00
76) Chrysene-d12	22.018	240	86998	20.000	ng	0.00
86) Perylene-d12	25.508	264	103598	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.884	112	61894	126.671	ng	0.00
7) Phenol-d6	7.500	99	76644	121.961	ng	0.00
23) Nitrobenzene-d5	9.539	82	52425	82.089	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	93829	113.064	ng	0.00
45) 2-Fluorobiphenyl	13.605	172	194010	79.061	ng	0.00
79) Terphenyl-d14	20.285	244	358152	72.760	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.753	178	17171	3.924	ng	99
75) Fluoranthene	19.739	202	38180	6.231	ng	99
78) Pyrene	20.097	202	35581	6.759	ng	99
81) Benzo(a)anthracene	21.995	228	22017	3.596	ng	98
83) Chrysene	22.065	228	25034	4.363	ng	94
88) Benzo(b)fluoranthene	24.392	252	38808	5.788	ng	# 88
89) Benzo(k)fluoranthene	24.457	252	14754m	2.206	ng	
90) Benzo(a)pyrene	25.338	252	27141	4.789	ng	# 96

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

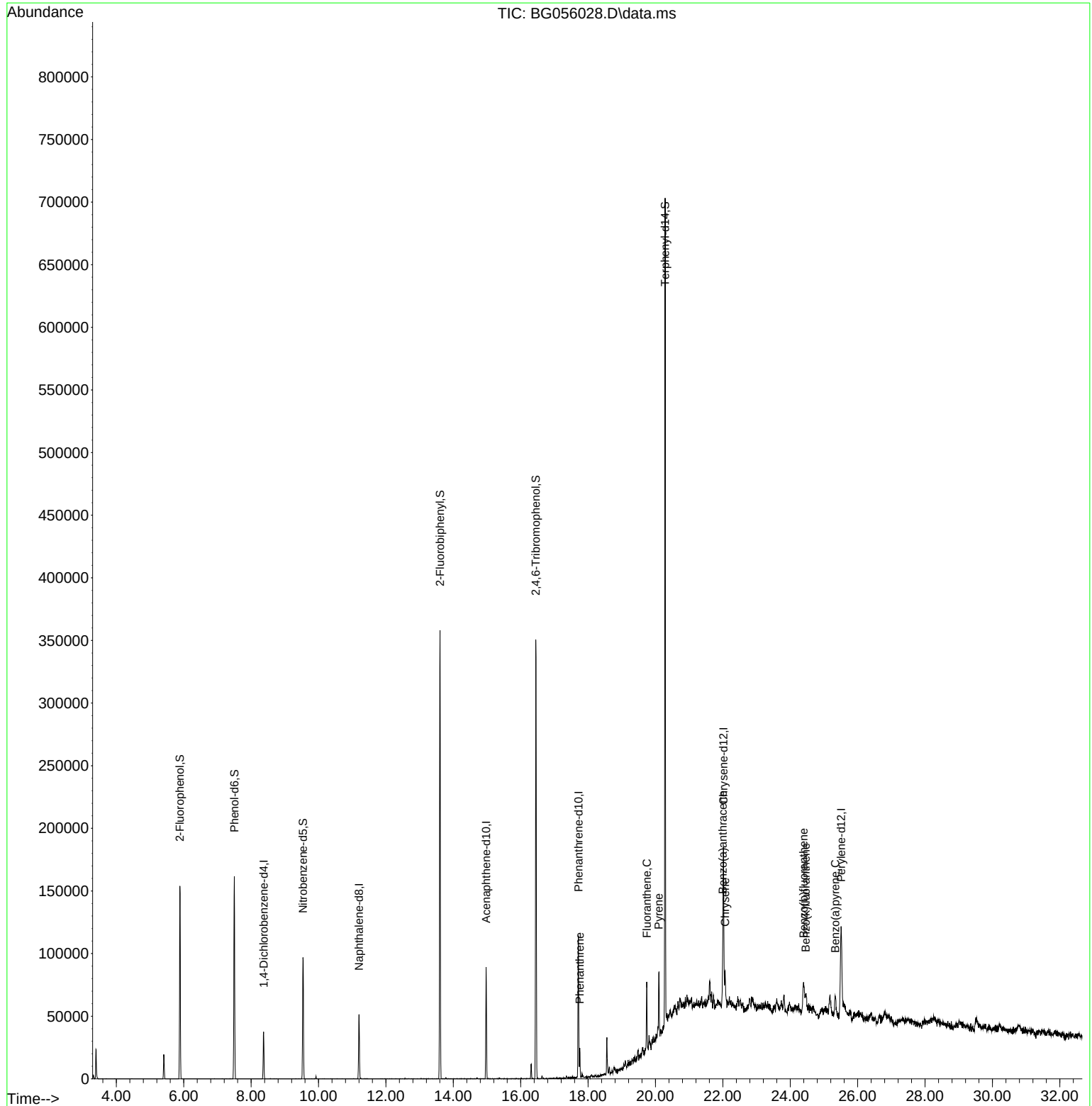
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056028.D
Acq On : 20 Dec 2022 13:39
Operator : CG/JU
Sample : N6037-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

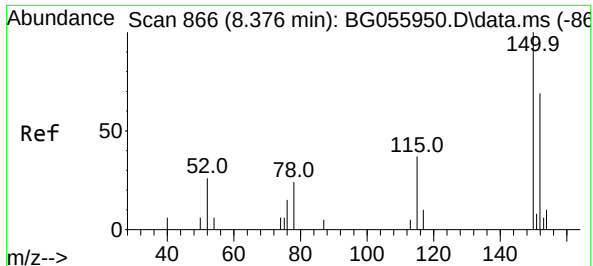
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)

Quant Time: Dec 21 02:36:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration

Manual Integrations
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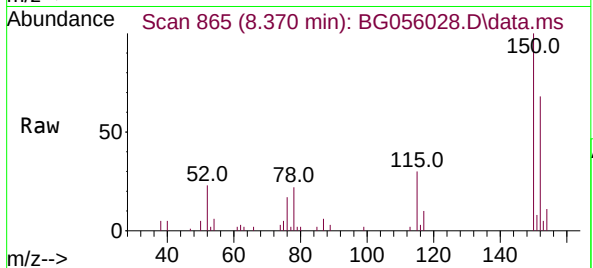
Reviewed By : Christian Giraldo 12/21/2022
Supervised By : Jagrut Upadhyay 12/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 866
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

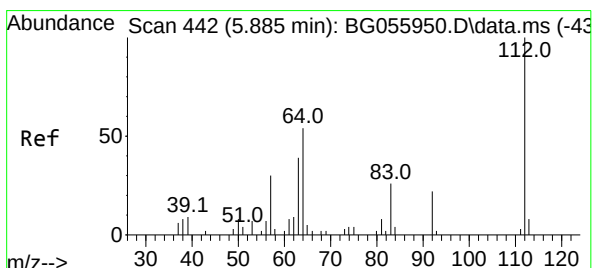
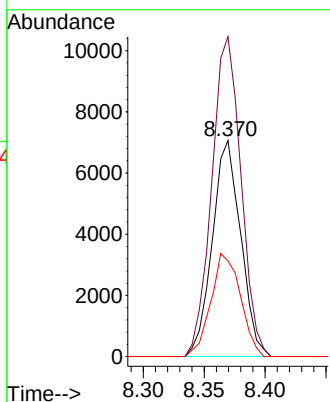
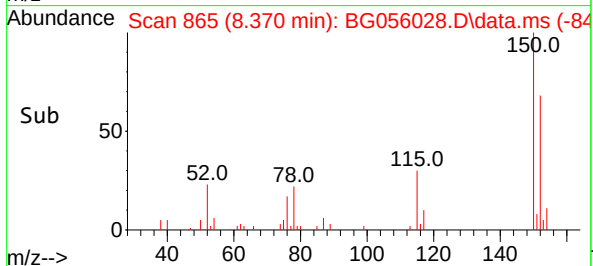
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



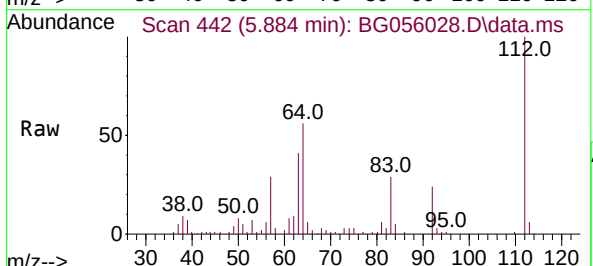
Tgt Ion:152 Resp: 11459
Ion Ratio Lower Upper
152 100
150 148.0 115.7 173.5
115 44.2 43.0 64.4

Manual Integrations
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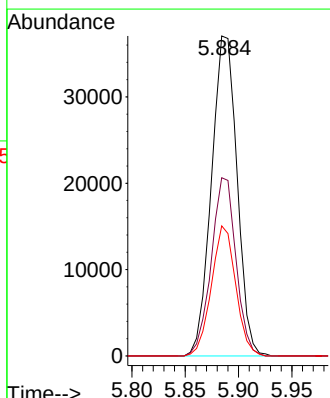
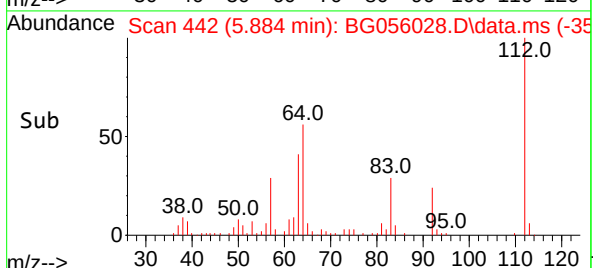
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

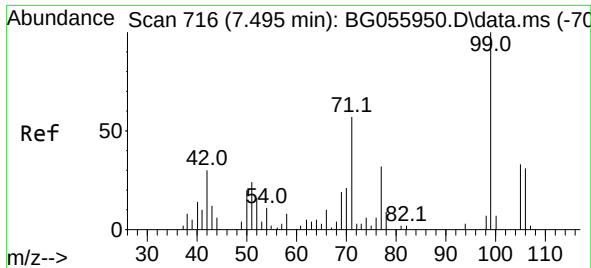


#5
2-Fluorophenol
Concen: 126.671 ng
RT: 5.884 min Scan# 442
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39



Tgt Ion:112 Resp: 61894
Ion Ratio Lower Upper
112 100
64 55.7 43.0 64.4
63 40.7 31.4 47.2





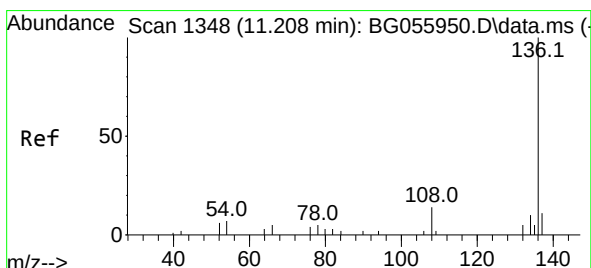
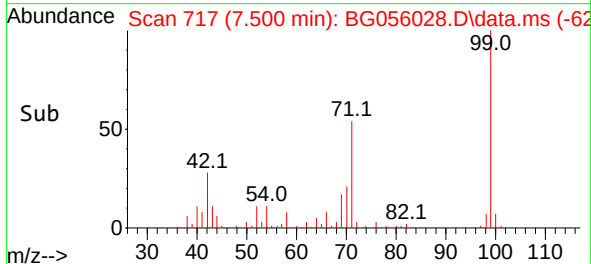
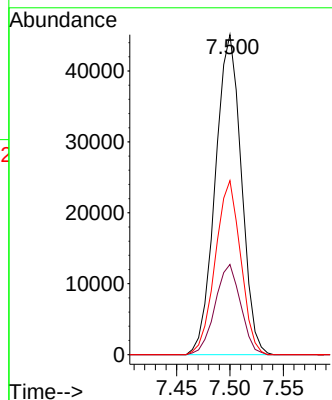
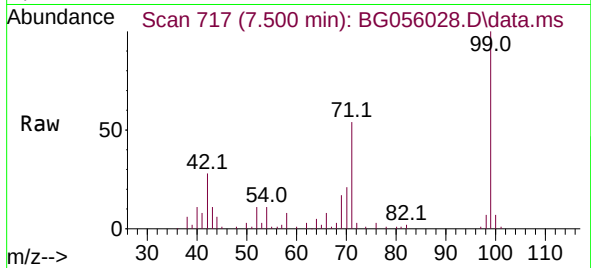
#7
Phenol-d6
Concen: 121.961 ng
RT: 7.500 min Scan# 716
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)

Tgt Ion: 99 Resp: 76644
Ion Ratio Lower Upper
99 100
42 28.2 24.3 36.5
71 54.4 45.6 68.4

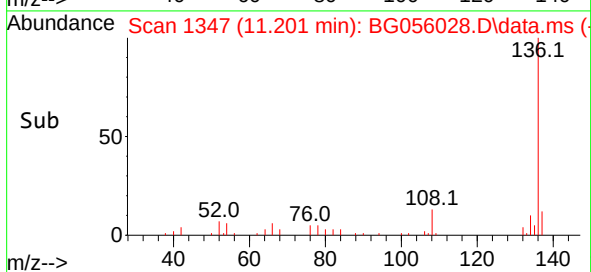
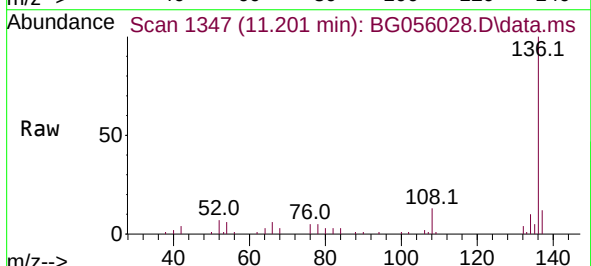
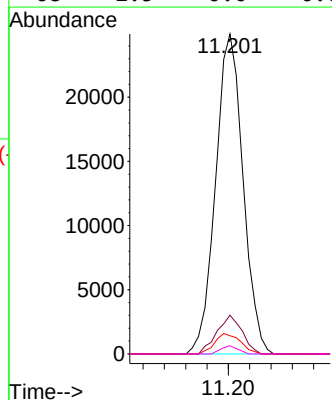
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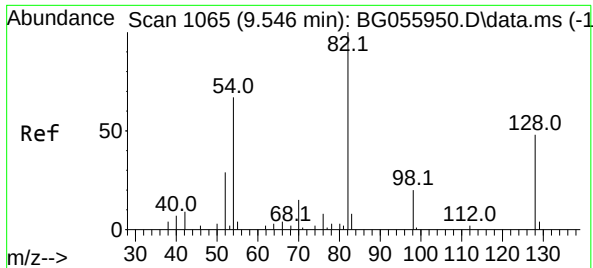
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1347
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Tgt Ion:136 Resp: 44629
Ion Ratio Lower Upper
136 100
137 12.1 9.2 13.8
54 5.7 5.6 8.4
68 2.5 0.0 0.0#





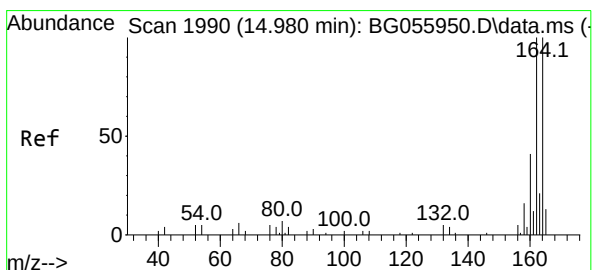
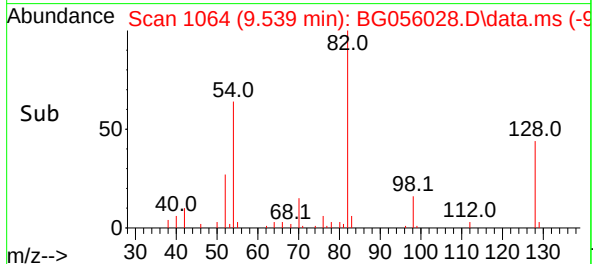
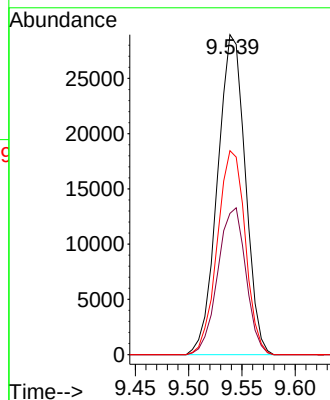
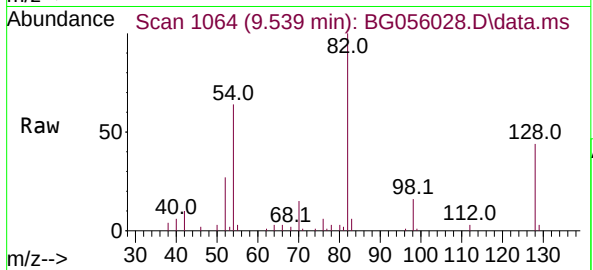
#23
Nitrobenzene-d5
Concen: 82.089 ng
RT: 9.539 min Scan# 1064
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)

Tgt Ion: 82 Resp: 52425
Ion Ratio Lower Upper
82 100
128 44.1 38.4 57.6
54 63.7 53.3 79.9

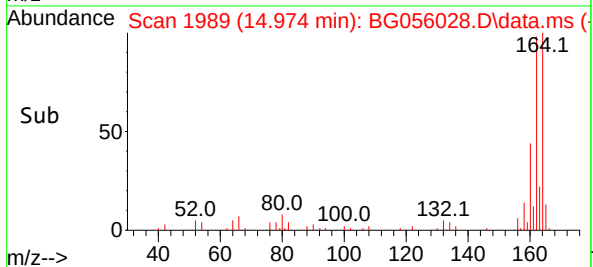
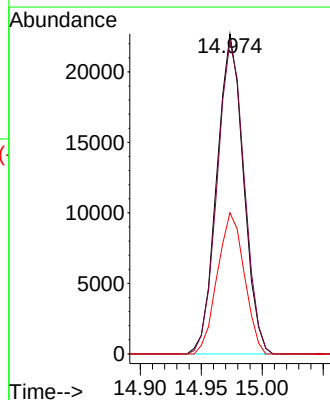
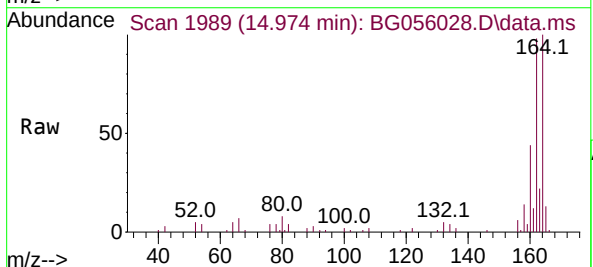
Manual Integrations
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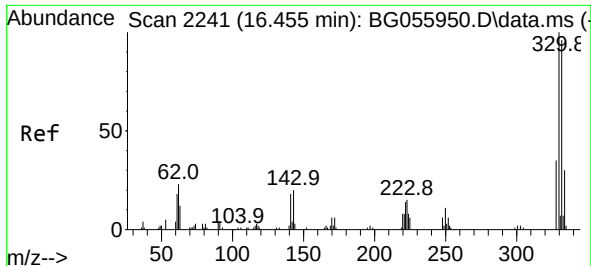
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

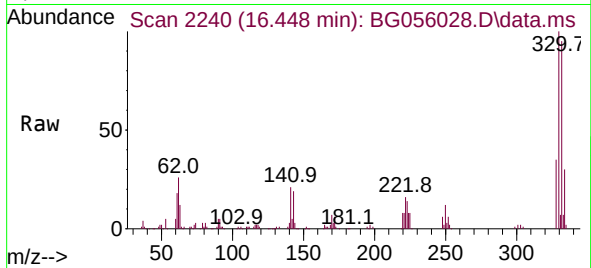
Tgt Ion:164 Resp: 34416
Ion Ratio Lower Upper
164 100
162 97.8 79.8 119.8
160 44.1 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 113.064 ng
RT: 16.448 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

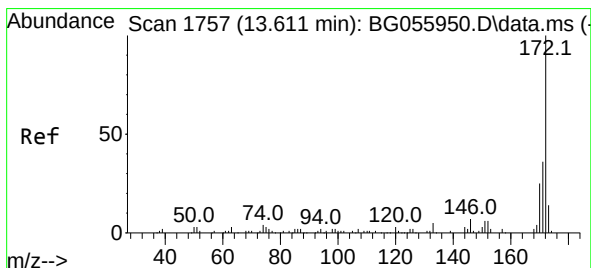
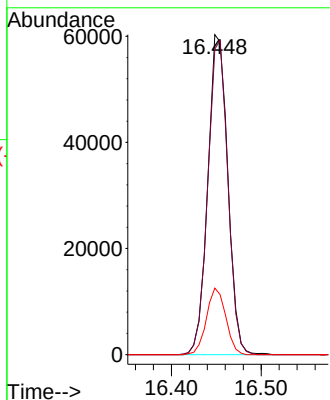
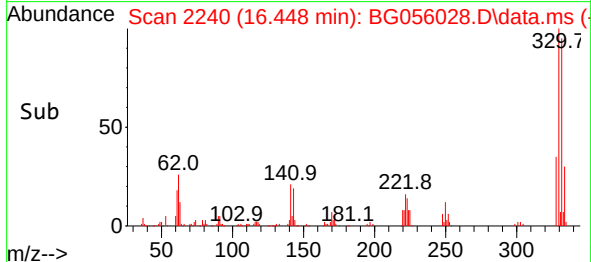
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



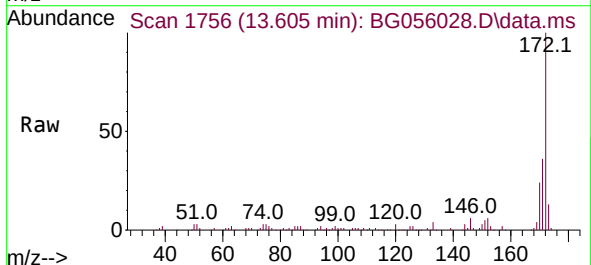
Tgt Ion:330 Resp: 93829
Ion Ratio Lower Upper
330 100
332 97.9 76.6 114.8
141 20.0 15.0 22.4

Manual Integrations
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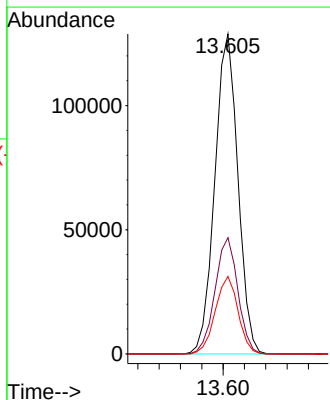
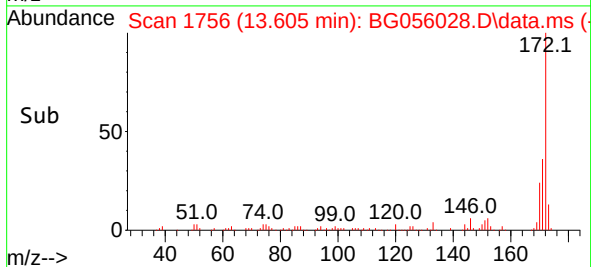
Reviewed By :Christian Giraldo 12/21/2022
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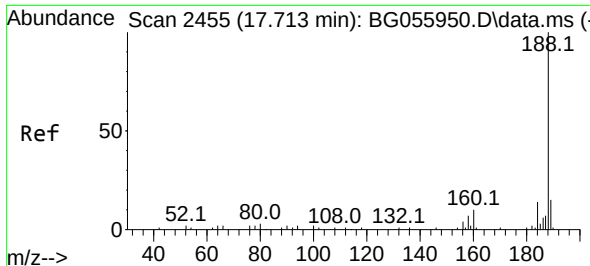


#45
2-Fluorobiphenyl
Concen: 79.061 ng
RT: 13.605 min Scan# 1756
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39



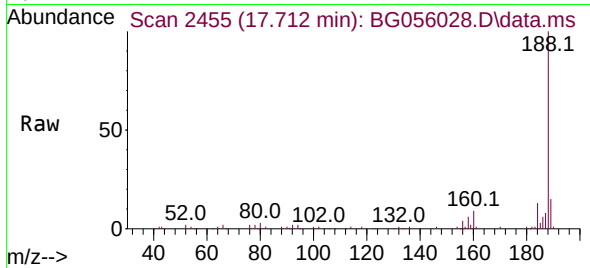
Tgt Ion:172 Resp: 194010
Ion Ratio Lower Upper
172 100
171 36.3 28.6 42.8
170 24.2 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2455
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

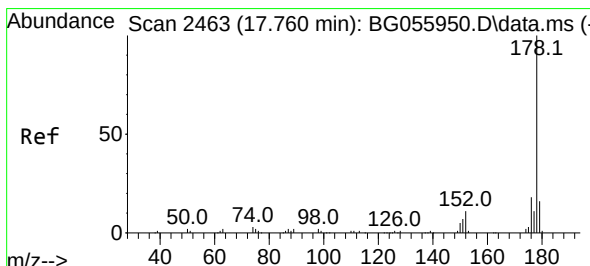
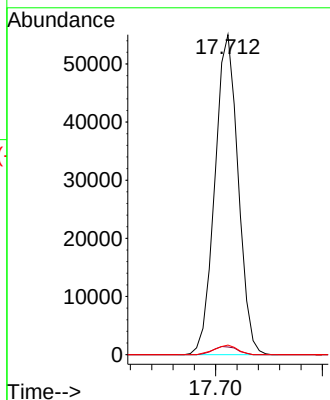
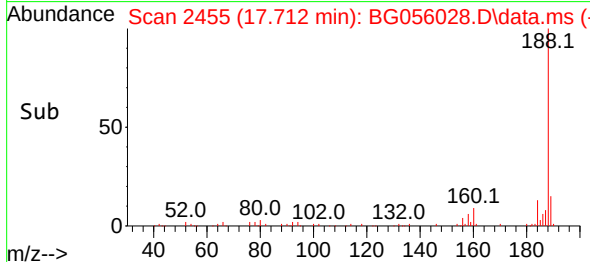
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



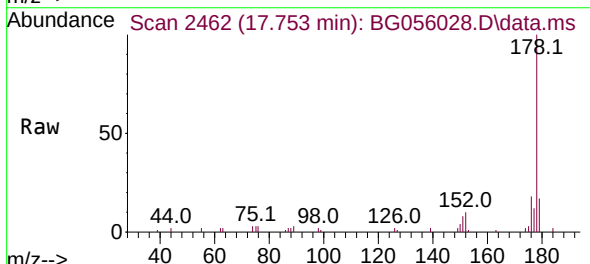
Tgt Ion:188 Resp: 83498
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.0 2.4 3.6

Manual Integrations
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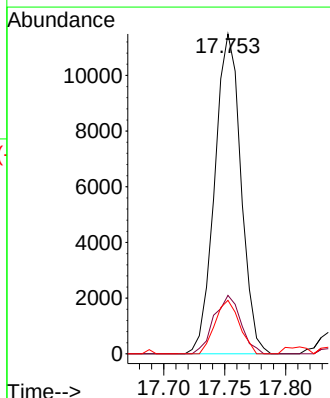
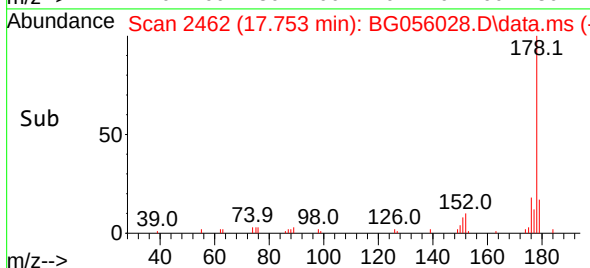
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

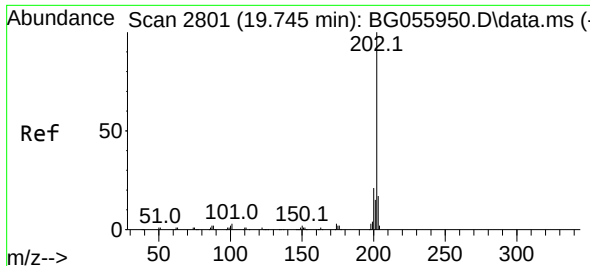


#71
Phenanthrene
Concen: 3.924 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39



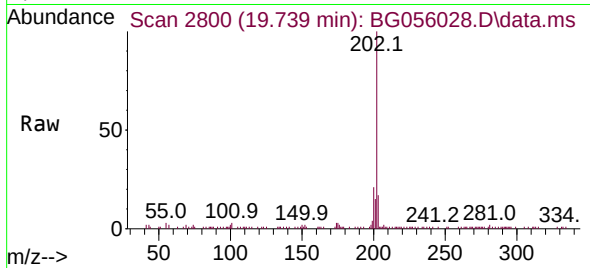
Tgt Ion:178 Resp: 17171
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 16.7 12.7 19.1





#75
Fluoranthene
Concen: 6.231 ng
RT: 19.739 min Scan# 2801
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

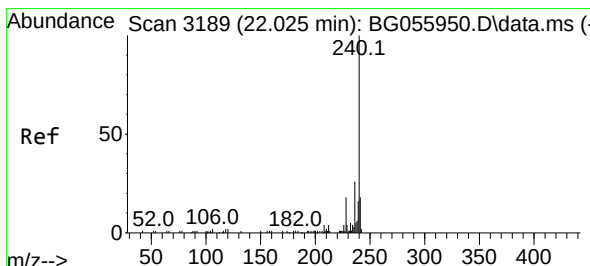
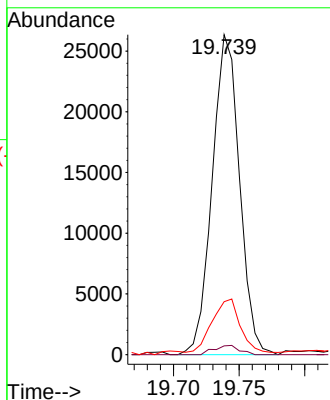
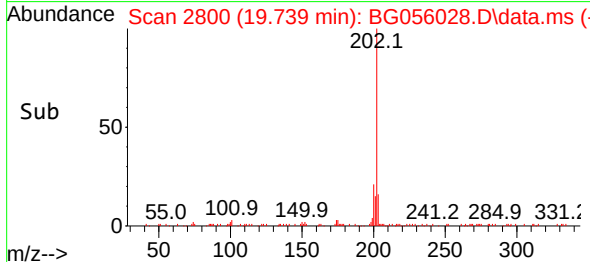
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



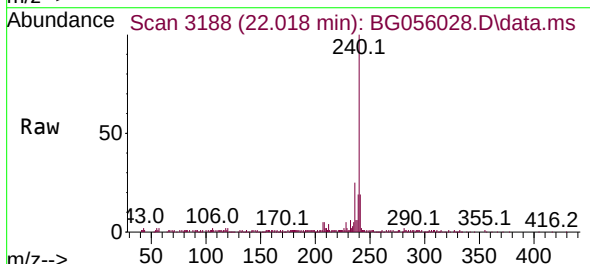
Tgt Ion:202 Resp: 38180
Ion Ratio Lower Upper
202 100
101 2.7 0.0 22.6
203 16.5 0.0 37.1

Manual Integrations
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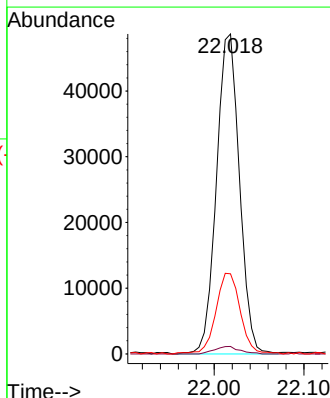
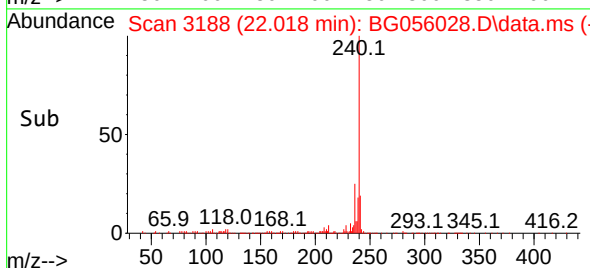
Reviewed By :Christian Giraldo 12/21/2022
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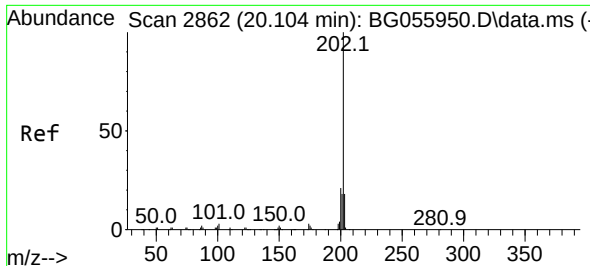


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39



Tgt Ion:240 Resp: 86998
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 25.0 21.1 31.7





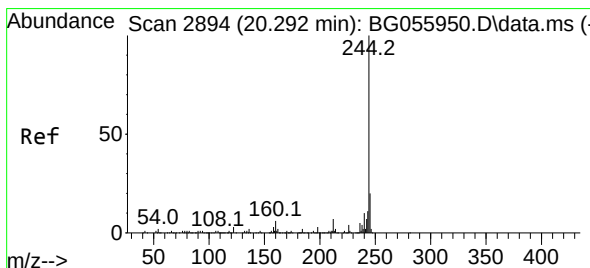
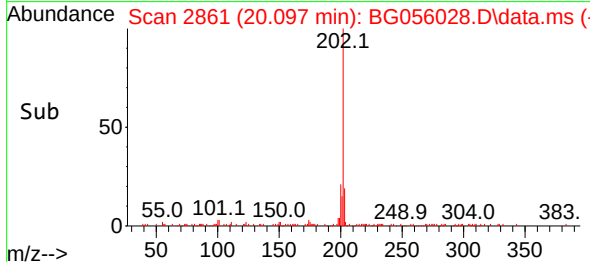
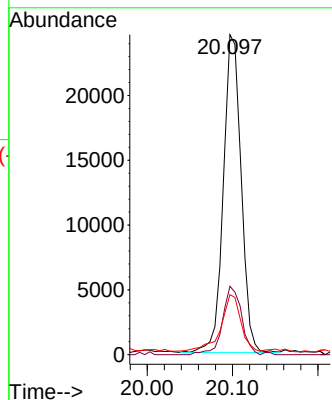
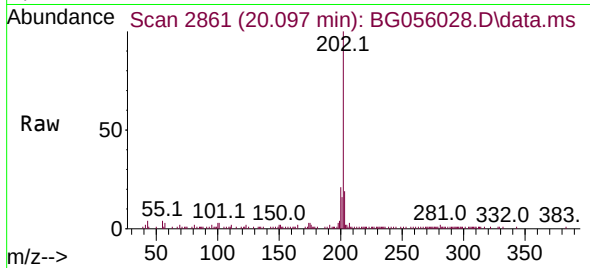
#78
Pyrene
Concen: 6.759 ng
RT: 20.097 min Scan# 2862
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)

Tgt Ion:202 Resp: 35581
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.7 14.6 21.8

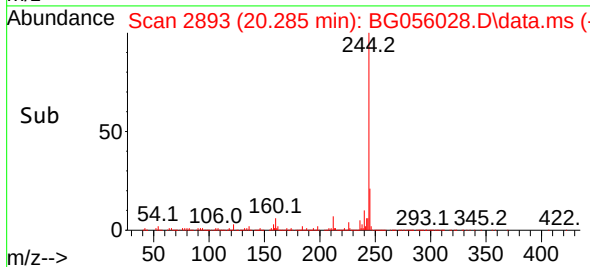
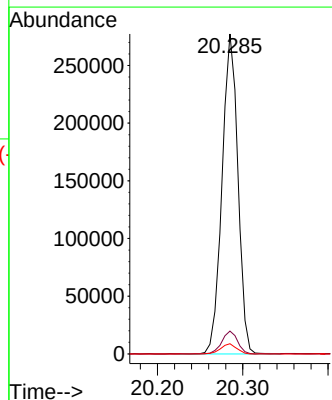
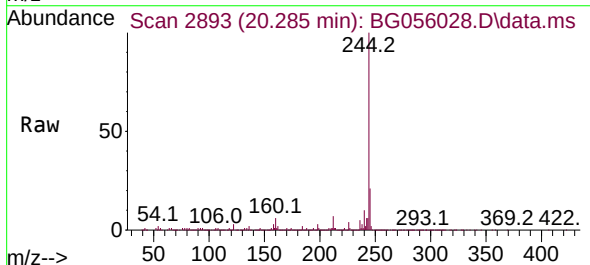
Manual Integrations
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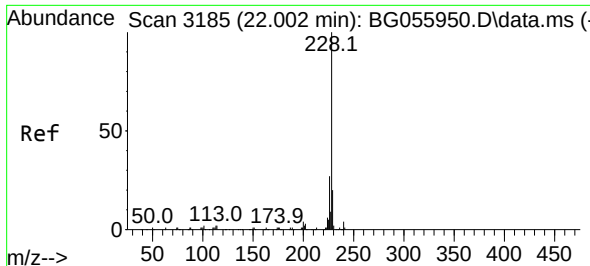
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#79
Terphenyl-d14
Concen: 72.760 ng
RT: 20.285 min Scan# 2893
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

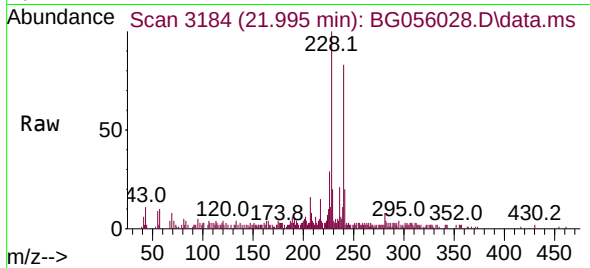
Tgt Ion:244 Resp: 358152
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 3.2 2.5 3.7





#81
Benzo(a)anthracene
Concen: 3.596 ng
RT: 21.995 min Scan# 3184
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

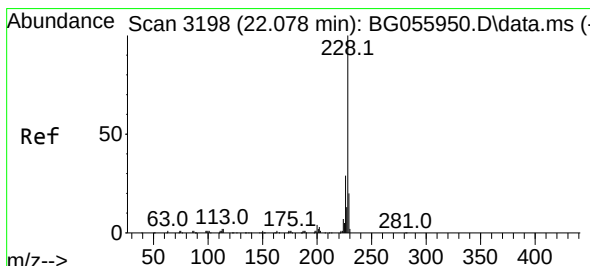
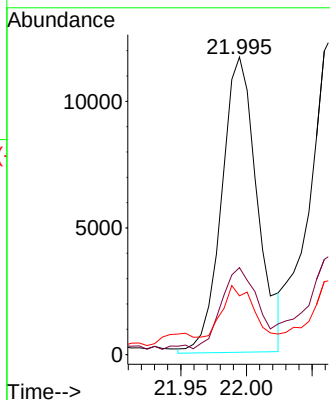
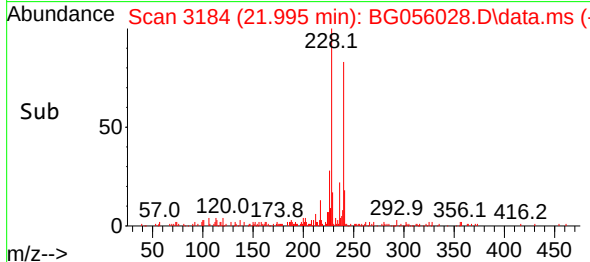
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



Tgt Ion:228 Resp: 22017
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.6
229 19.8 15.9 23.9

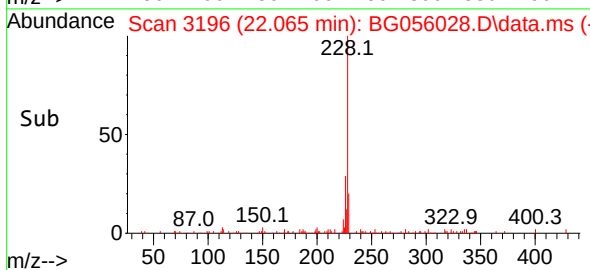
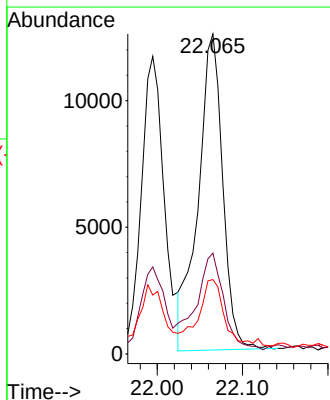
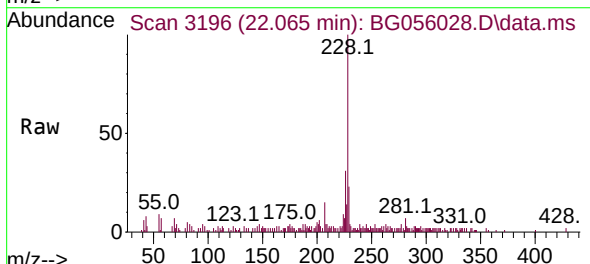
Manual Integrations
APPROVED

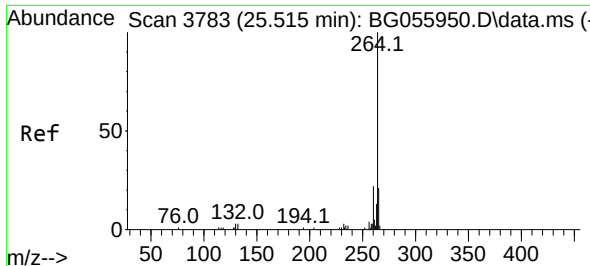
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#83
Chrysene
Concen: 4.363 ng
RT: 22.065 min Scan# 3196
Delta R.T. -0.001 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

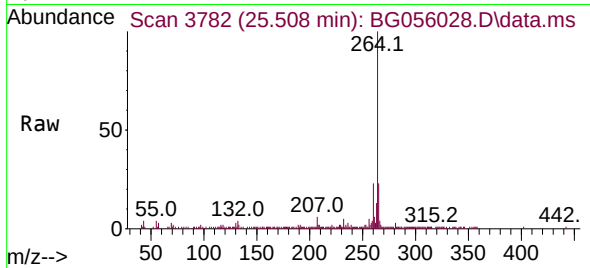
Tgt Ion:228 Resp: 25034
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 23.2 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.508 min Scan# 3782
Delta R.T. 0.011 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

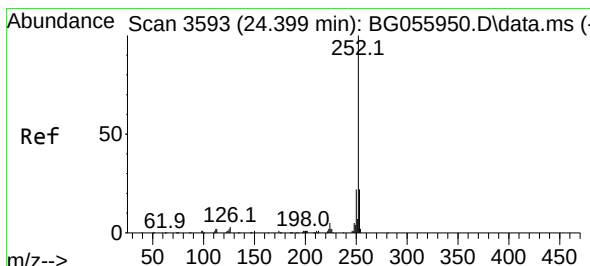
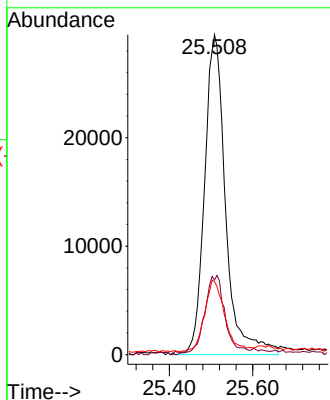
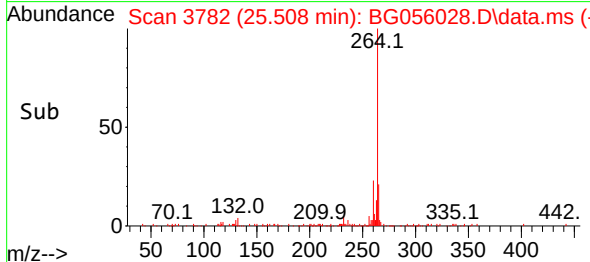
Instrument :
BNA_G
ClientSampleId :
RB-19-(2.3-4.3)



Tgt Ion:264 Resp: 103598
Ion Ratio Lower Upper
264 100
260 23.3 17.8 26.8
265 22.8 16.6 25.0

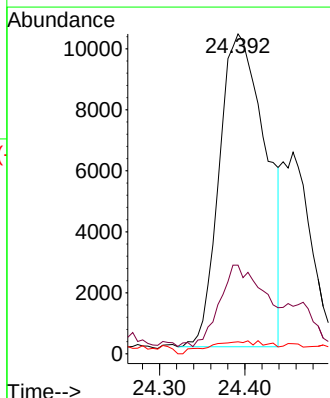
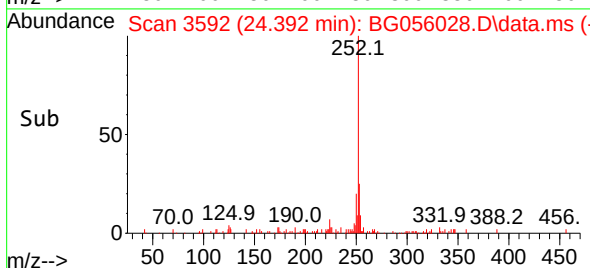
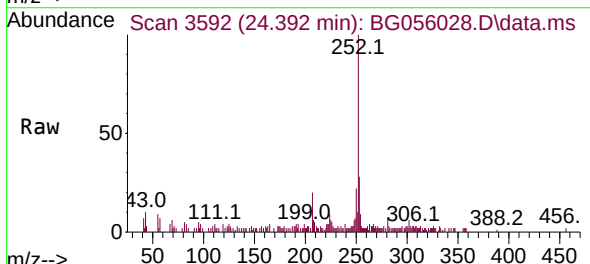
Manual Integrations
APPROVED

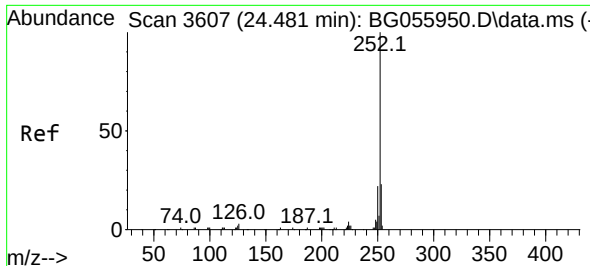
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#88
Benzo(b)fluoranthene
Concen: 5.788 ng
RT: 24.392 min Scan# 3592
Delta R.T. 0.005 min
Lab File: BG056028.D
Acq: 20 Dec 2022 13:39

Tgt Ion:252 Resp: 38808
Ion Ratio Lower Upper
252 100
253 27.7 17.4 26.0#
125 3.8 1.8 2.8#





#89

Benzo(k)fluoranthene

Concen: 2.206 ng m

RT: 24.457 min Scan# 3603

Delta R.T. -0.007 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Instrument :

BNA_G

ClientSampleId :

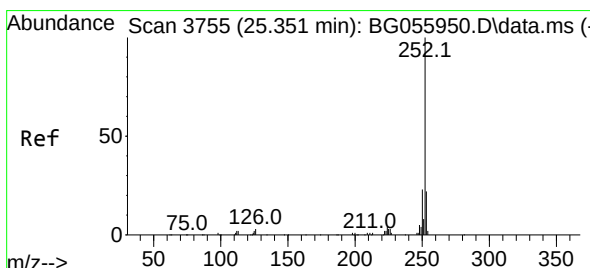
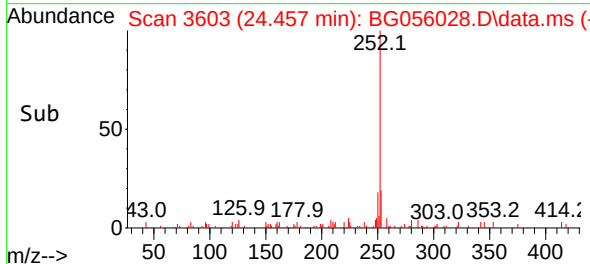
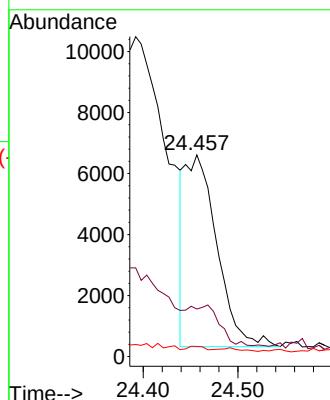
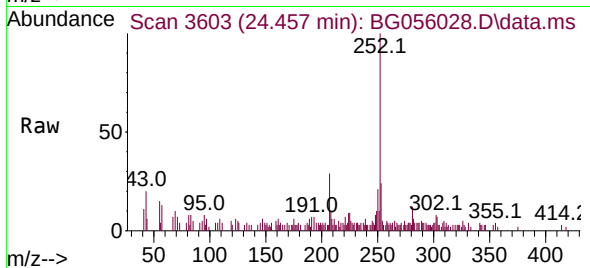
RB-19-(2.3-4.3)

Tgt Ion:	252	Resp:	14754
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	5.1	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#90

Benzo(a)pyrene

Concen: 4.789 ng

RT: 25.338 min Scan# 3753

Delta R.T. 0.005 min

Lab File: BG056028.D

Acq: 20 Dec 2022 13:39

Tgt Ion:	252	Resp:	27141
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.7	26.5
125	3.7	1.9	2.9

