

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059887.D
 Acq On : 25 Nov 2023 11:56
 Operator : MA/JU
 Sample : 05466-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB200018

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 27 03:20:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.316	152	29091	20.000	ng	0.00
21) Naphthalene-d8	11.160	136	131583	20.000	ng	0.00
39) Acenaphthene-d10	14.950	164	111965	20.000	ng	0.00
64) Phenanthrene-d10	17.700	188	199705	20.000	ng	# 0.00
76) Chrysene-d12	22.018	240	158167	20.000	ng	-0.02
86) Perylene-d12	25.590	264	184535	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	196156	113.491	ng	0.00
7) Phenol-d6	7.441	99	264463	103.254	ng	0.00
23) Nitrobenzene-d5	9.515	82	251514	73.002	ng	0.00
42) 2,4,6-Tribromophenol	16.436	330	139310	109.660	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	475102	57.117	ng	0.00
79) Terphenyl-d14	20.279	244	708304	66.109	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.741	178	29297	2.885	ng	# 85
75) Fluoranthene	19.733	202	66691	5.477	ng	97
78) Pyrene	20.097	202	60459	5.618	ng	97
81) Benzo(a)anthracene	21.995	228	31004	2.865	ng	# 92
83) Chrysene	22.077	228	29887m	3.013	ng	
88) Benzo(b)fluoranthene	24.439	252	41347	4.088	ng	# 79
90) Benzo(a)pyrene	25.402	252	32036	2.968	ng	# 98
92) Benzo(g,h,i)perylene	31.019	276	26490m	2.363	ng	

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

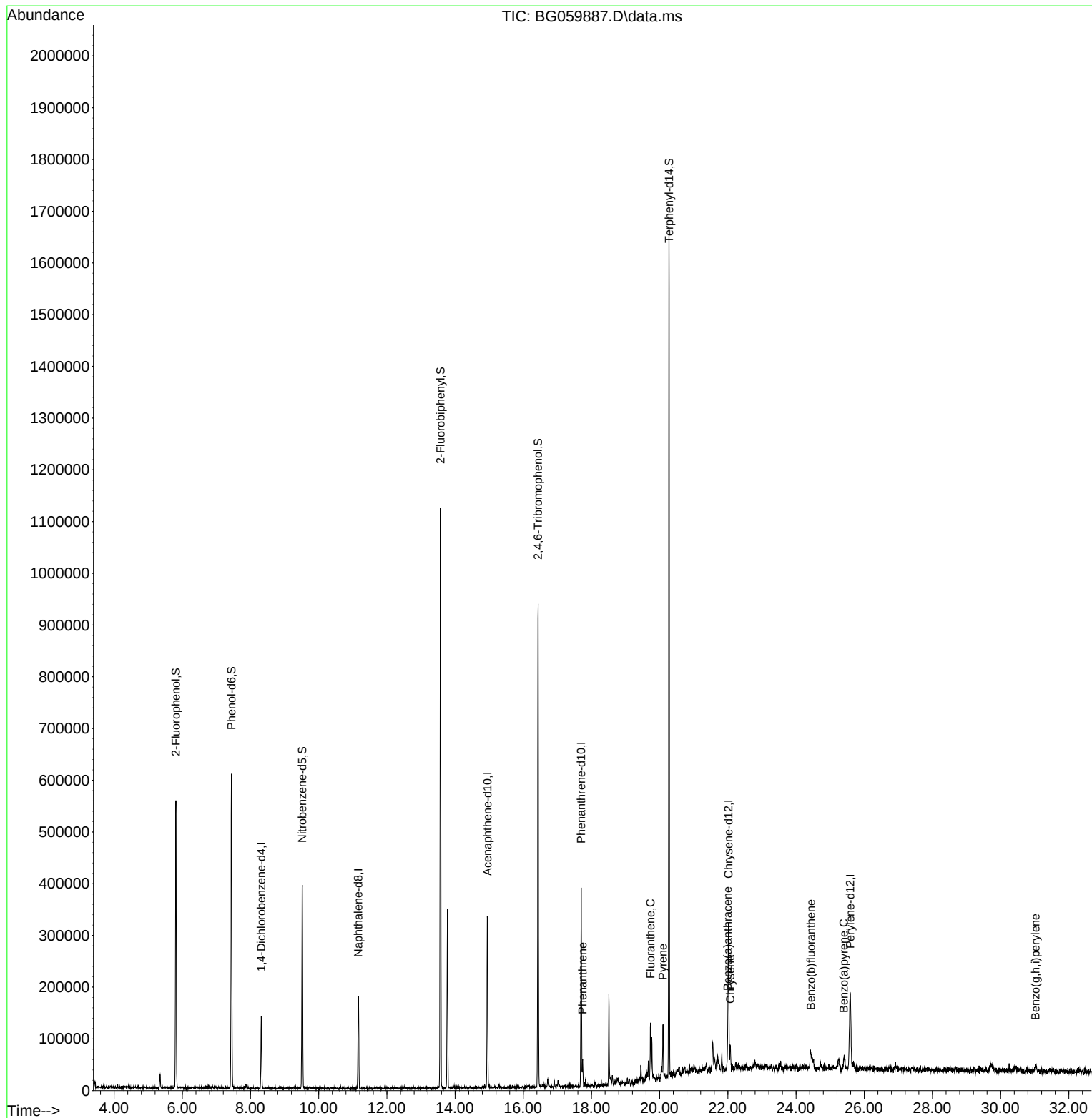
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
Data File : BG059887.D
Acq On : 25 Nov 2023 11:56
Operator : MA/JU
Sample : 05466-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

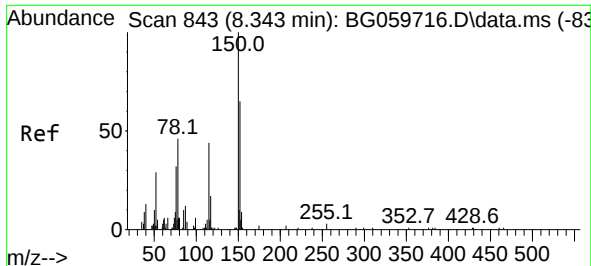
Instrument :
BNA_G
ClientSampleId :
RB200018

Quant Time: Nov 27 03:20:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 24 15:11:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

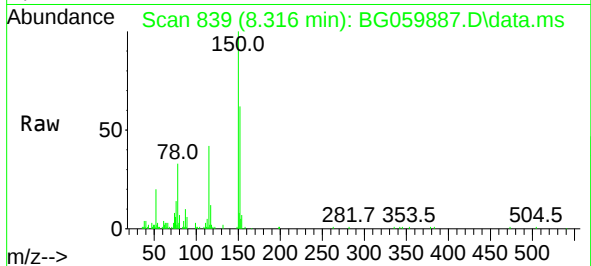
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

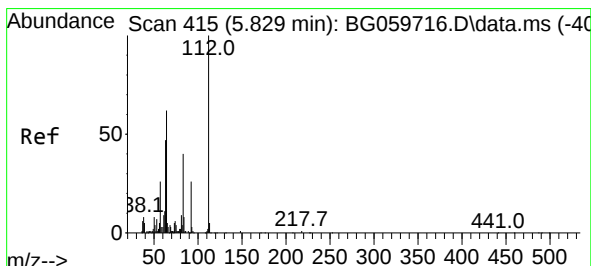
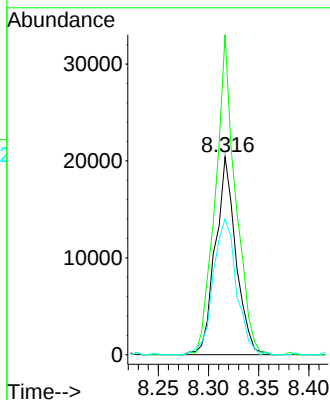
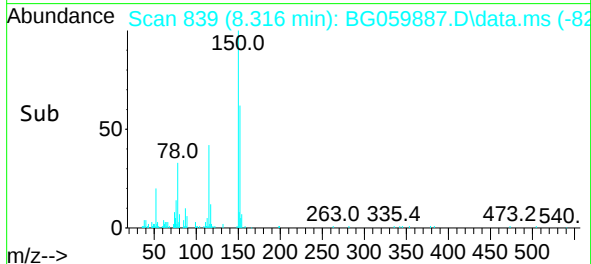
Instrument :
BNA_G
ClientSampleId :
RB200018



Tgt Ion:152 Resp: 2909
Ion Ratio Lower Upper
152 100
150 161.7 122.2 183.4
115 68.6 54.2 81.4

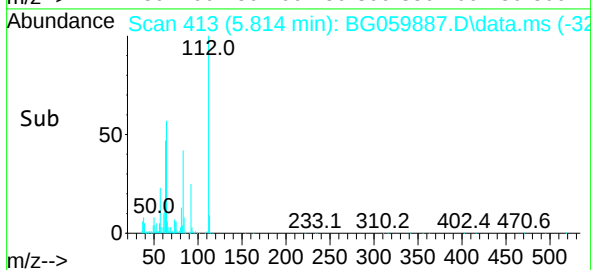
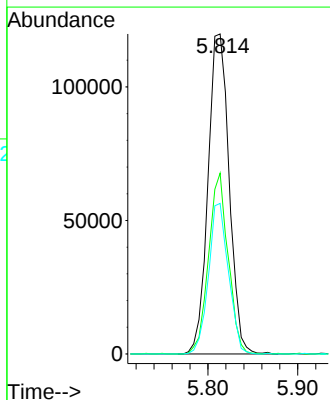
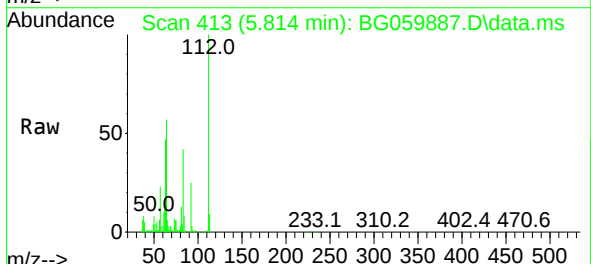
Manual Integrations
APPROVED

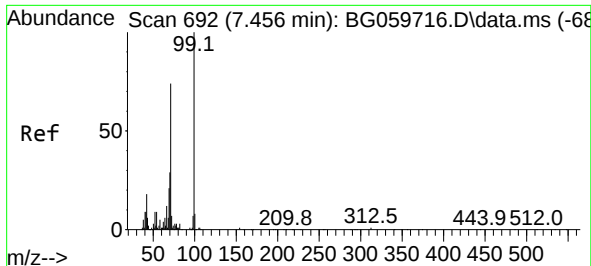
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 113.491 ng
RT: 5.814 min Scan# 413
Delta R.T. 0.002 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:112 Resp: 196156
Ion Ratio Lower Upper
112 100
64 56.5 49.5 74.3
63 47.1 37.4 56.2





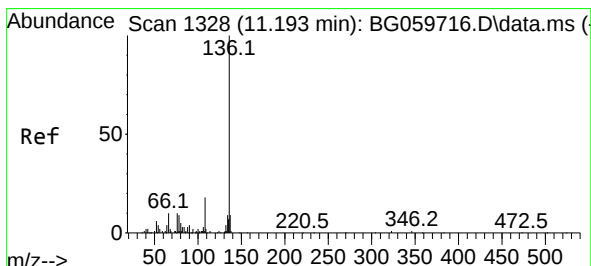
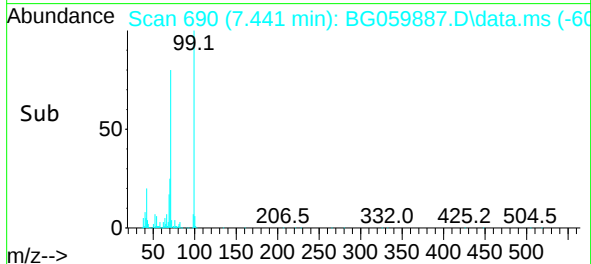
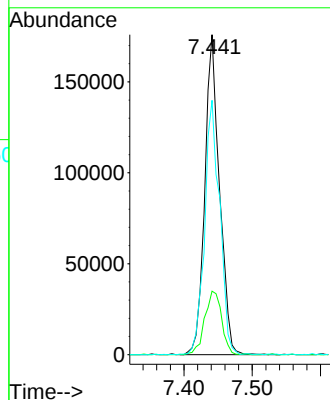
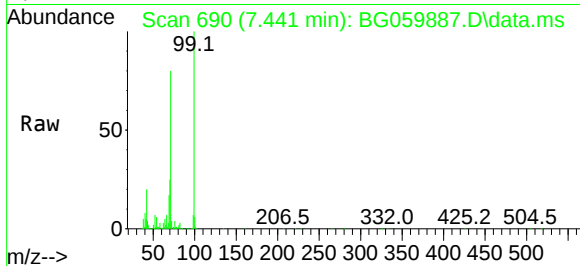
#7
Phenol-d6
Concen: 103.254 ng
RT: 7.441 min Scan# 692
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Instrument :
BNA_G
ClientSampleId :
RB200018

Tgt Ion: 99 Resp: 26446
Ion Ratio Lower Upper
99 100
42 19.9 14.3 21.5
71 79.5 59.3 88.9

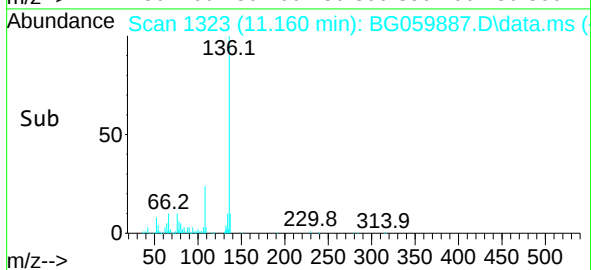
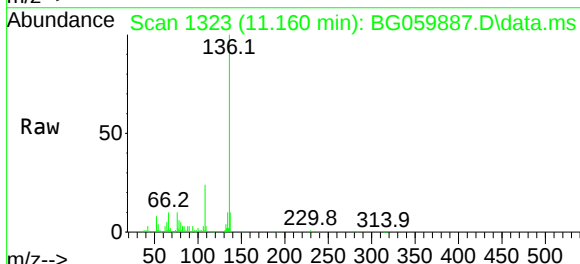
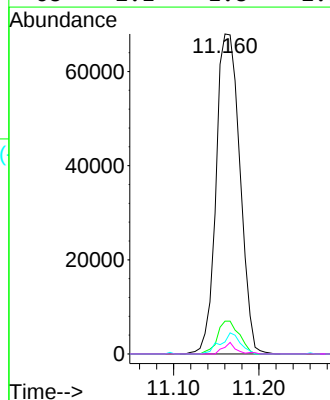
Manual Integrations
APPROVED

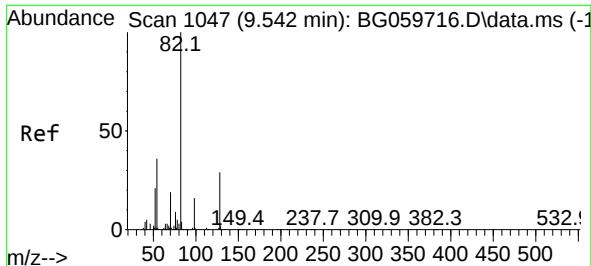
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.160 min Scan# 1323
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Tgt Ion:136 Resp: 131583
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.0
54 3.7 3.1 4.7
68 2.1 1.8 2.8





#23

Nitrobenzene-d5

Concen: 73.002 ng

RT: 9.515 min Scan# 1043

Delta R.T. -0.010 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

Tgt Ion: 82 Resp: 251514

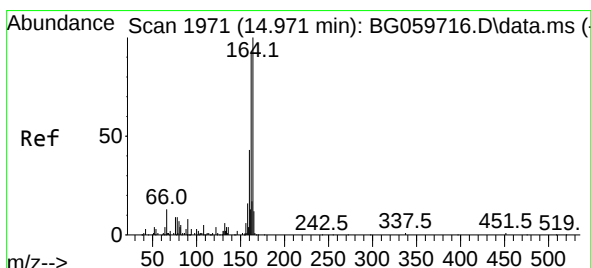
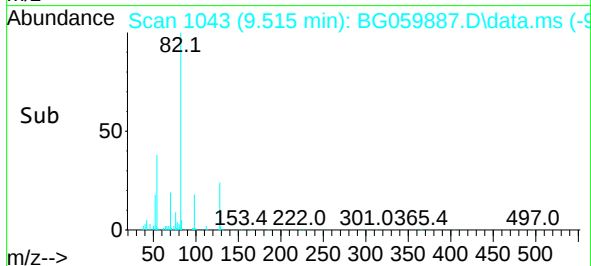
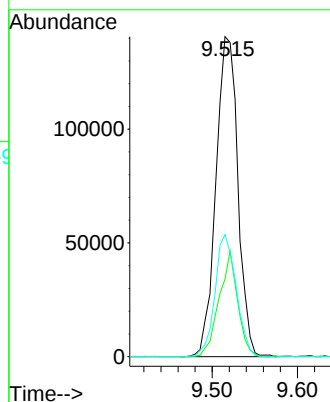
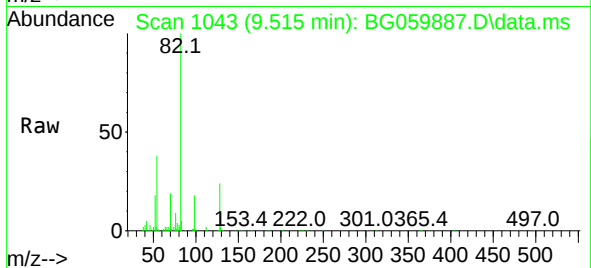
Ion	Ratio	Lower	Upper
82	100		
128	24.2	23.0	34.6
54	38.1	28.7	43.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.950 min Scan# 1968

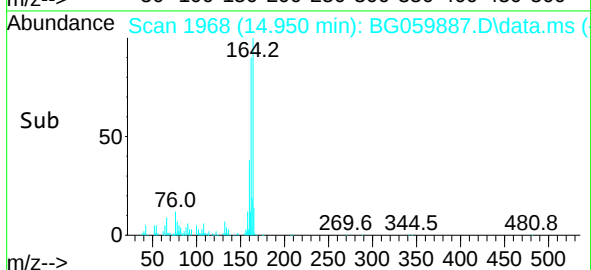
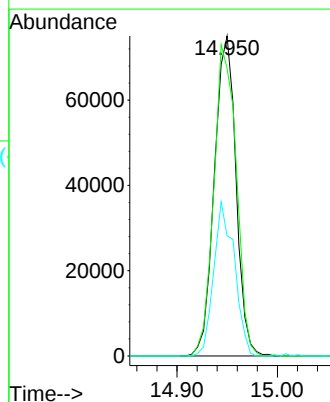
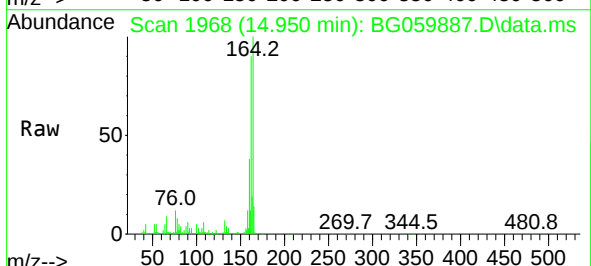
Delta R.T. -0.004 min

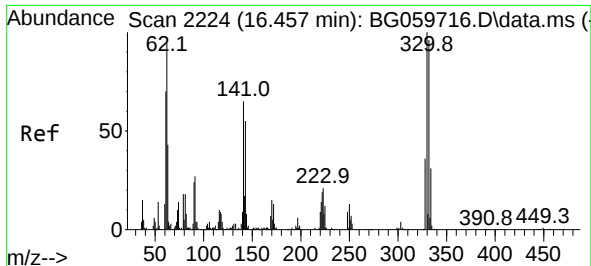
Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Tgt Ion:164 Resp: 111965

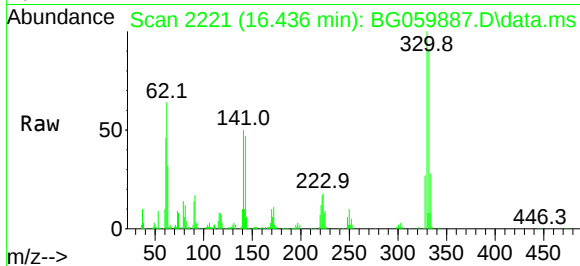
Ion	Ratio	Lower	Upper
164	100		
162	89.9	73.3	109.9
160	37.6	34.1	51.1





#42
2,4,6-Tribromophenol
Concen: 109.660 ng
RT: 16.436 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

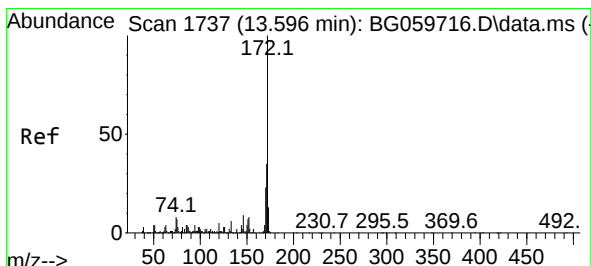
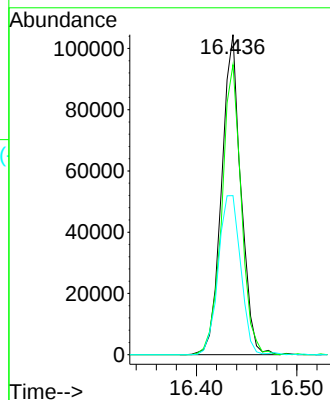
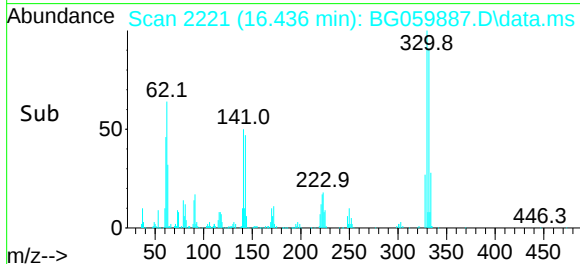
Instrument :
BNA_G
ClientSampleId :
RB200018



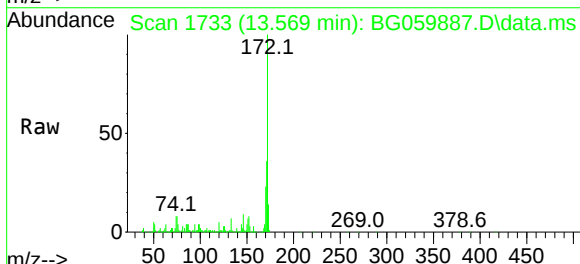
Tgt Ion:330 Resp: 139310
Ion Ratio Lower Upper
330 100
332 91.2 73.3 109.9
141 57.4 52.1 78.1

Manual Integrations
APPROVED

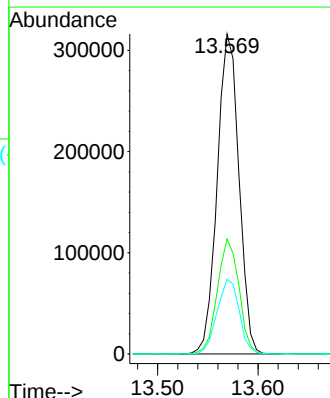
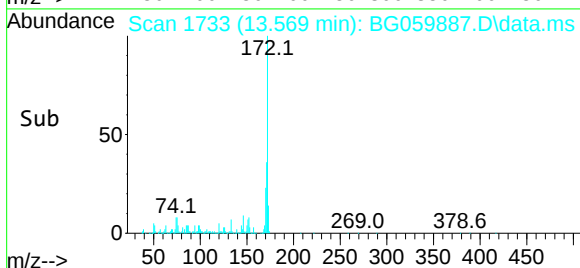
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

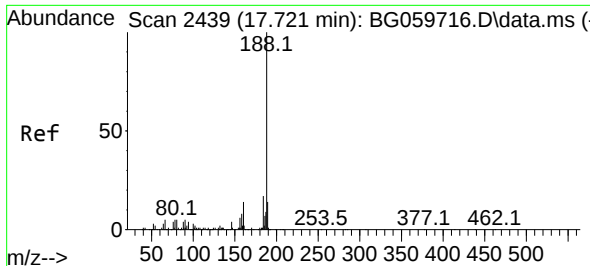


#45
2-Fluorobiphenyl
Concen: 57.117 ng
RT: 13.569 min Scan# 1733
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56



Tgt Ion:172 Resp: 475102
Ion Ratio Lower Upper
172 100
171 36.0 27.7 41.5
170 23.3 18.4 27.6





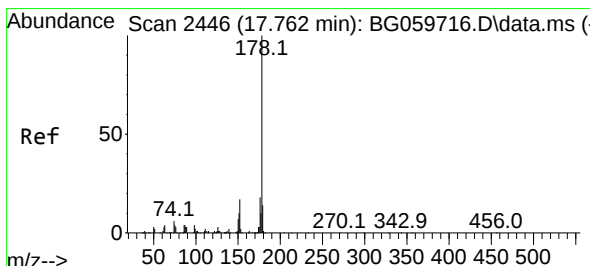
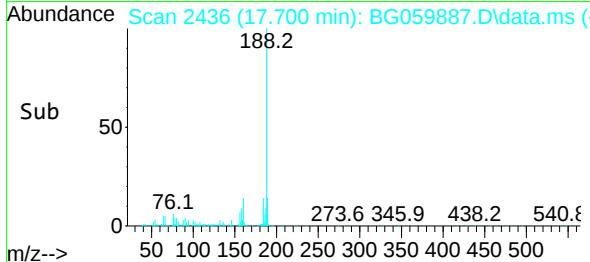
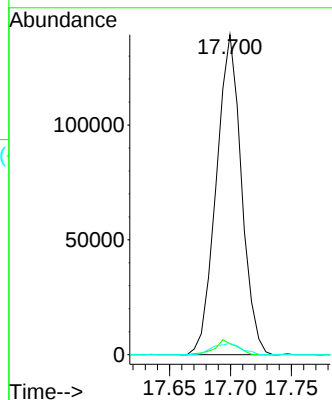
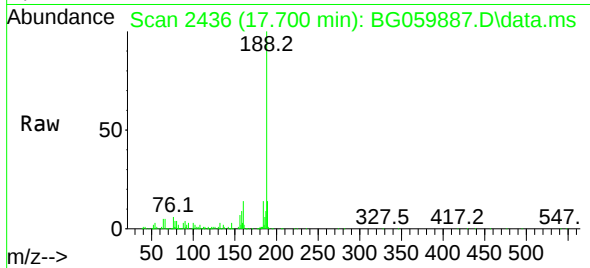
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.700 min Scan# 2439
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Instrument :
BNA_G
ClientSampleId :
RB200018

Tgt Ion:188 Resp: 19970
Ion Ratio Lower Upper
188 100
94 3.4 3.0 4.4
80 3.9 4.2 6.4

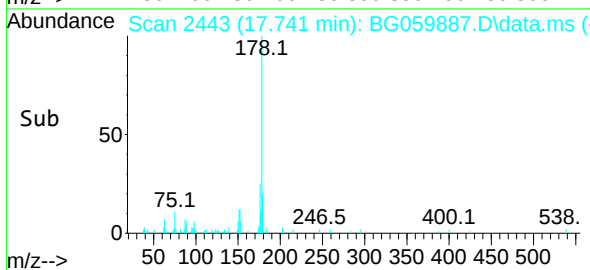
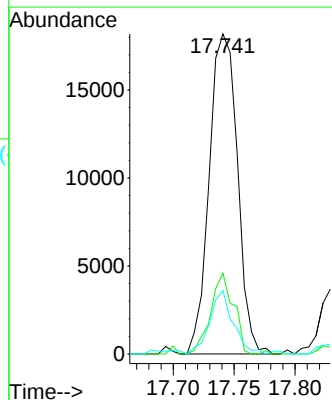
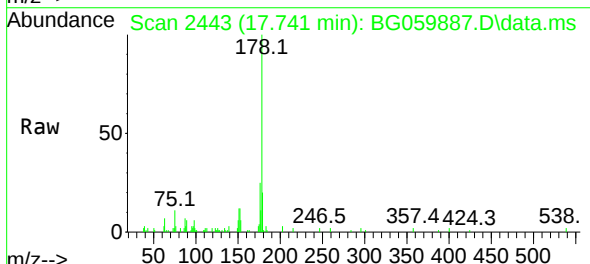
Manual Integrations
APPROVED

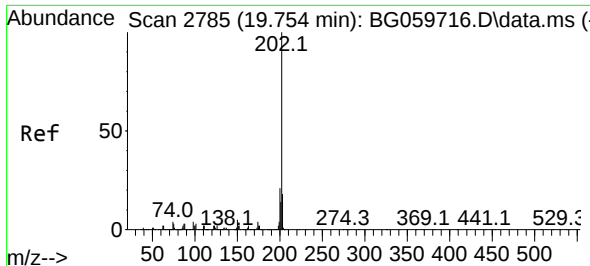
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#71
Phenanthrene
Concen: 2.885 ng
RT: 17.741 min Scan# 2443
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

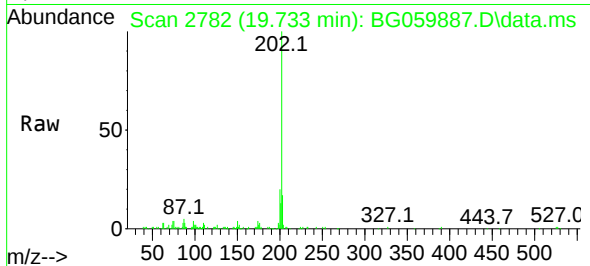
Tgt Ion:178 Resp: 29297
Ion Ratio Lower Upper
178 100
176 25.3 14.5 21.7#
179 19.8 11.2 16.8#





#75
Fluoranthene
Concen: 5.477 ng
RT: 19.733 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

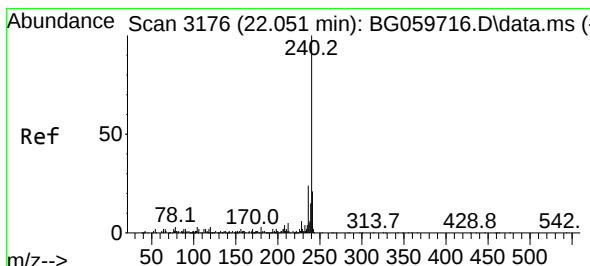
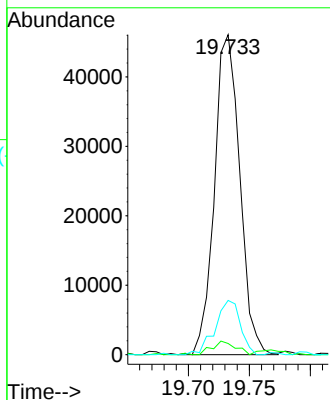
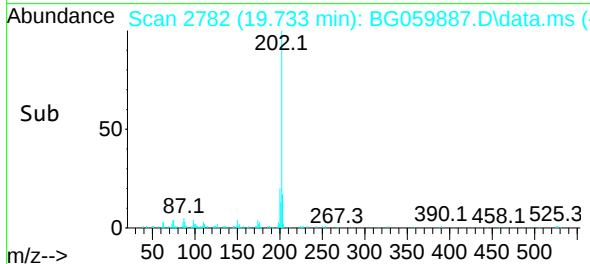
Instrument :
BNA_G
ClientSampleId :
RB200018



Tgt Ion:202 Resp: 6669
Ion Ratio Lower Upper
202 100
101 3.5 0.0 22.7
203 17.0 0.0 38.2

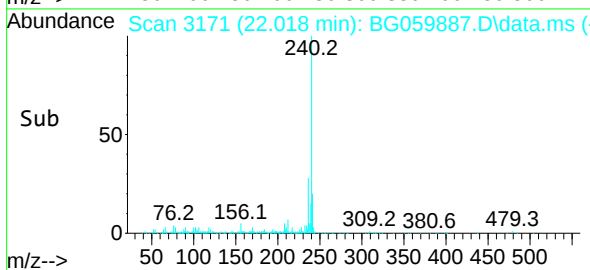
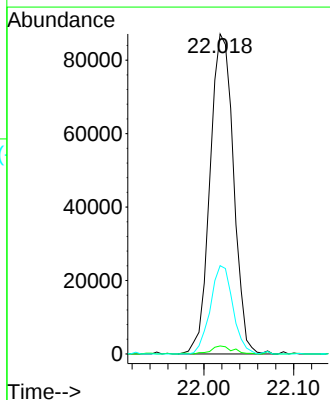
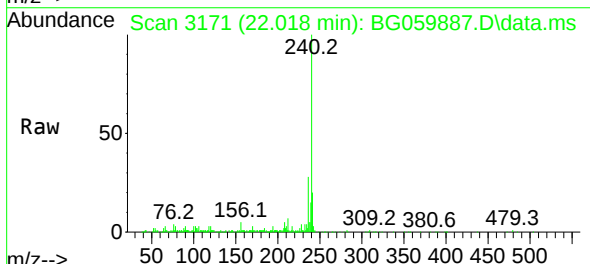
Manual Integrations
APPROVED

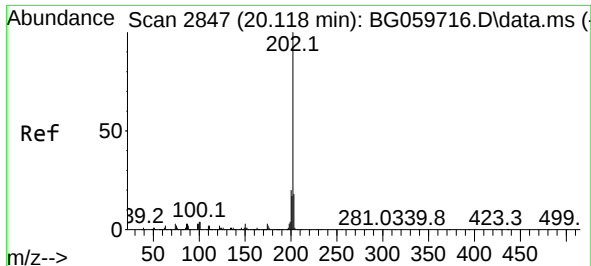
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3171
Delta R.T. -0.016 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

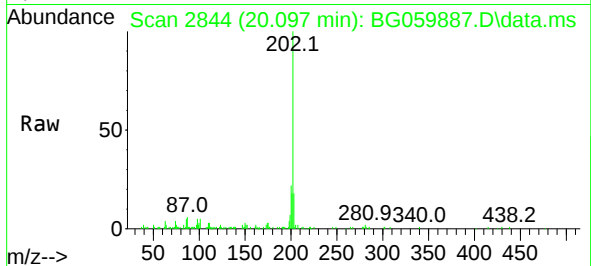
Tgt Ion:240 Resp: 158167
Ion Ratio Lower Upper
240 100
120 2.5 2.2 3.2
236 27.6 19.4 29.2





#78
Pyrene
Concen: 5.618 ng
RT: 20.097 min Scan# 2844
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

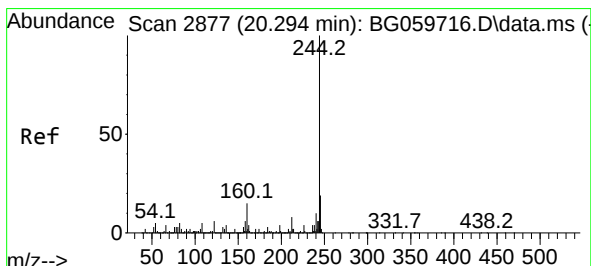
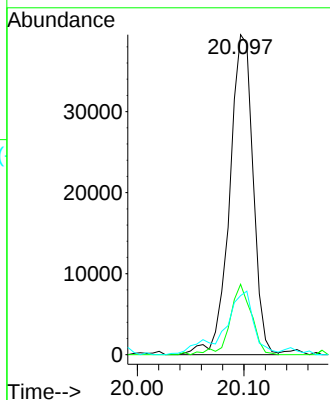
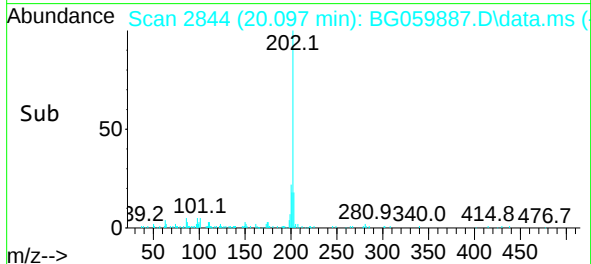
Instrument :
BNA_G
ClientSampleId :
RB200018



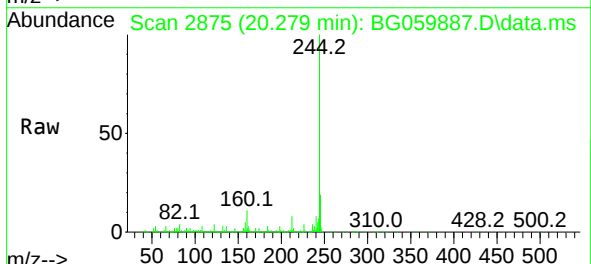
Tgt Ion:202 Resp: 60459
Ion Ratio Lower Upper
202 100
200 22.0 16.2 24.4
203 18.4 14.0 21.0

Manual Integrations
APPROVED

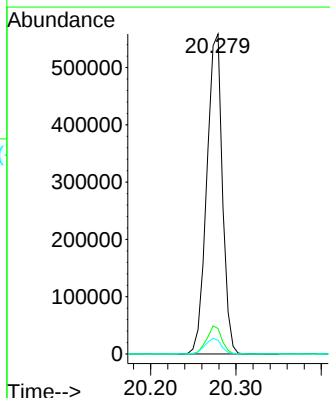
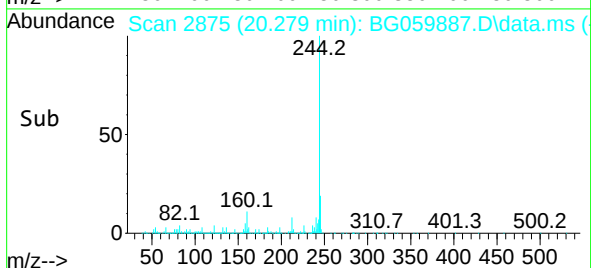
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

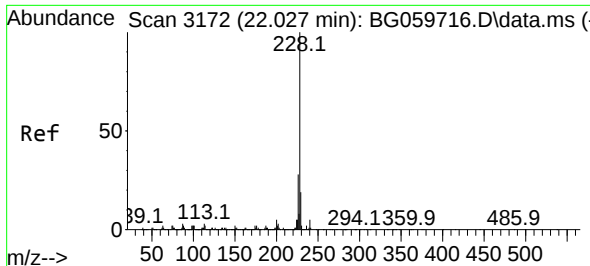


#79
Terphenyl-d14
Concen: 66.109 ng
RT: 20.279 min Scan# 2875
Delta R.T. -0.004 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56



Tgt Ion:244 Resp: 708304
Ion Ratio Lower Upper
244 100
212 7.9 6.6 10.0
122 4.3 4.4 6.6#





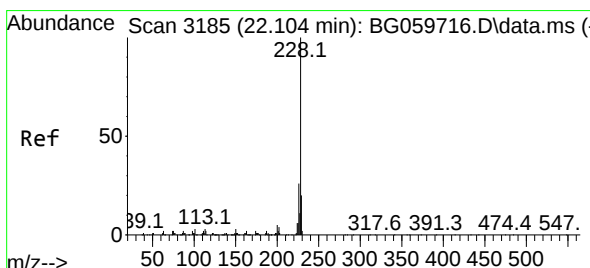
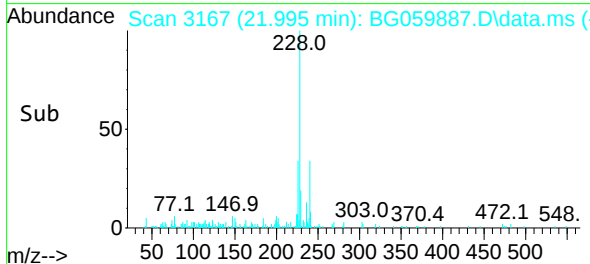
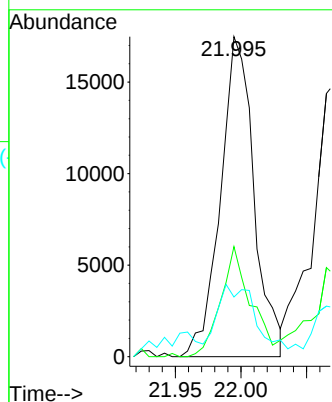
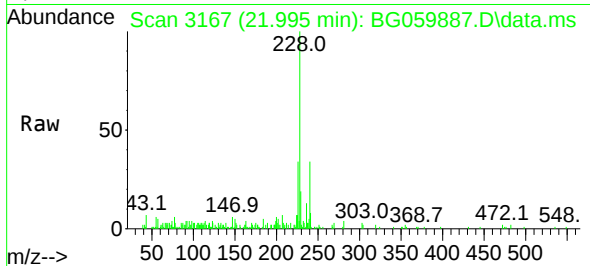
#81
Benzo(a)anthracene
Concen: 2.865 ng
RT: 21.995 min Scan# 3172
Delta R.T. -0.016 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

Instrument :
BNA_G
ClientSampleId :
RB200018

Tgt Ion:228 Resp: 31004
Ion Ratio Lower Upper
228 100
226 34.4 22.1 33.1
229 18.7 14.9 22.3

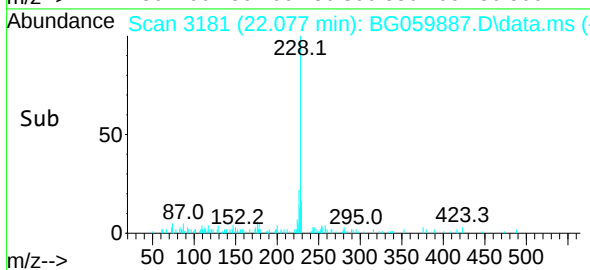
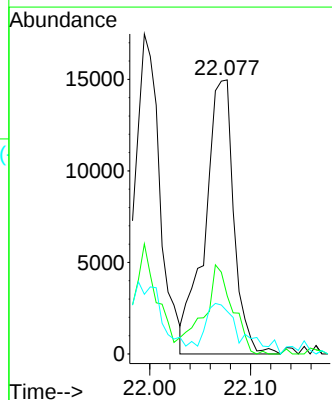
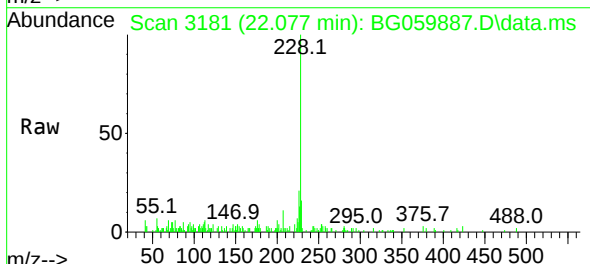
Manual Integrations
APPROVED

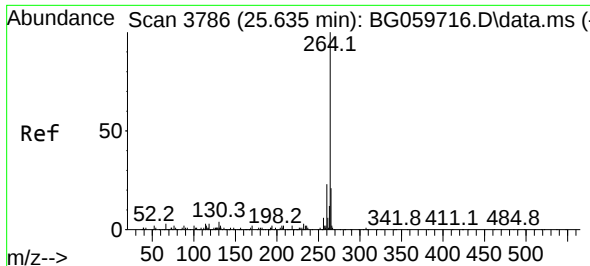
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#83
Chrysene
Concen: 3.013 ng m
RT: 22.077 min Scan# 3181
Delta R.T. -0.010 min
Lab File: BG059887.D
Acq: 25 Nov 2023 11:56

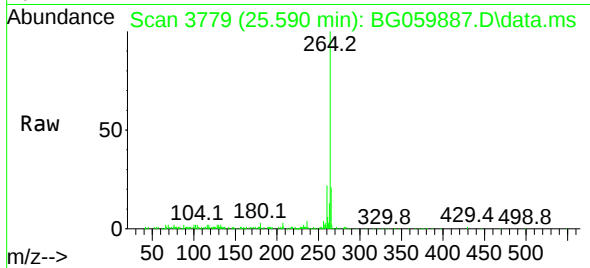
Tgt Ion:228 Resp: 29887
Ion Ratio Lower Upper
228 100
226 21.2 21.1 31.7
229 15.5 16.2 24.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.590 min Scan# 31
 Delta R.T. -0.022 min
 Lab File: BG059887.D
 Acq: 25 Nov 2023 11:56

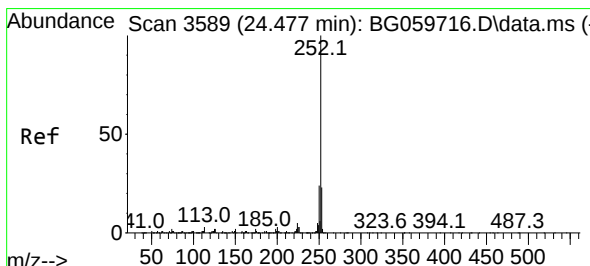
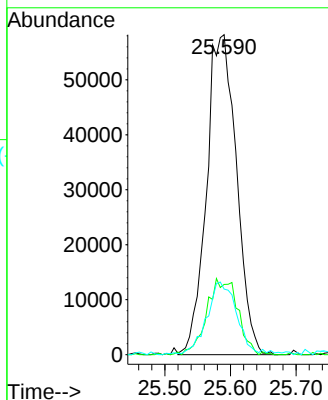
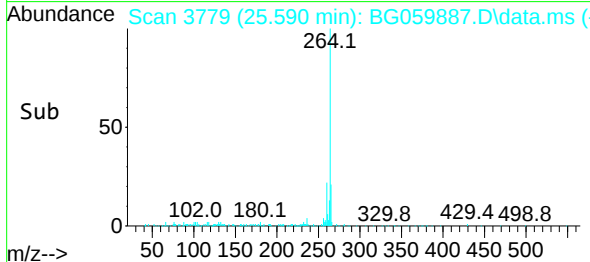
Instrument :
 BNA_G
 ClientSampleId :
 RB200018



Tgt Ion:264 Resp: 18453
 Ion Ratio Lower Upper
 264 100
 260 21.9 18.5 27.7
 265 20.5 17.0 25.6

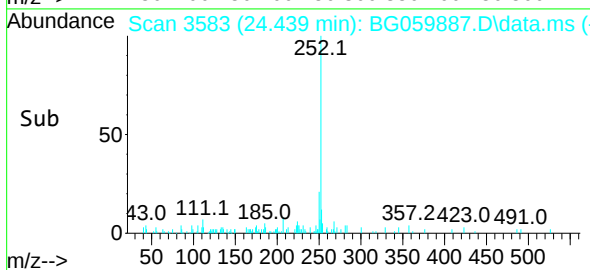
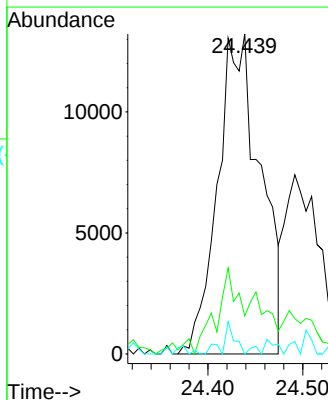
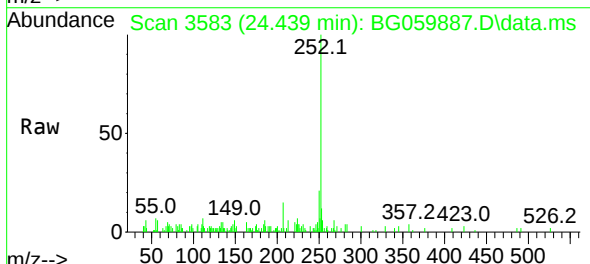
Manual Integrations
 APPROVED

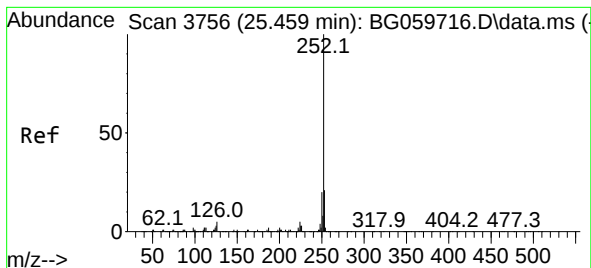
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



#88
 Benzo(b)fluoranthene
 Concen: 4.088 ng
 RT: 24.439 min Scan# 3583
 Delta R.T. -0.010 min
 Lab File: BG059887.D
 Acq: 25 Nov 2023 11:56

Tgt Ion:252 Resp: 41347
 Ion Ratio Lower Upper
 252 100
 253 12.0 18.3 27.5#
 125 0.0 1.4 2.0#





#90

Benzo(a)pyrene

Concen: 2.968 ng

RT: 25.402 min Scan# 31

Delta R.T. -0.039 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Instrument :

BNA_G

ClientSampleId :

RB200018

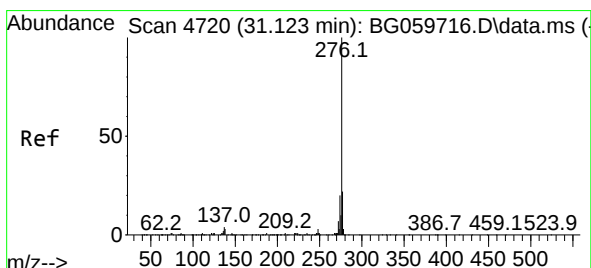
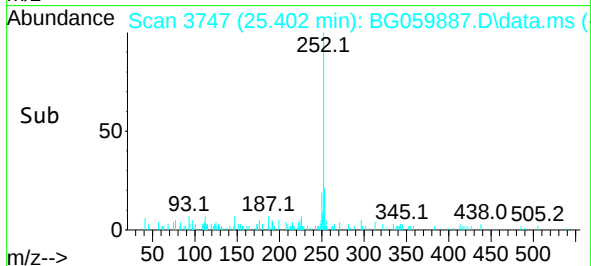
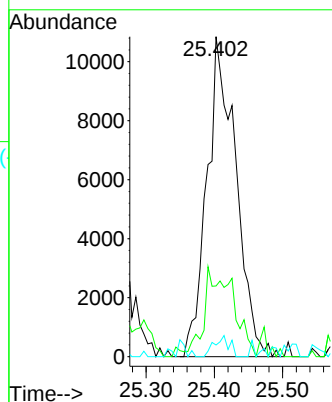
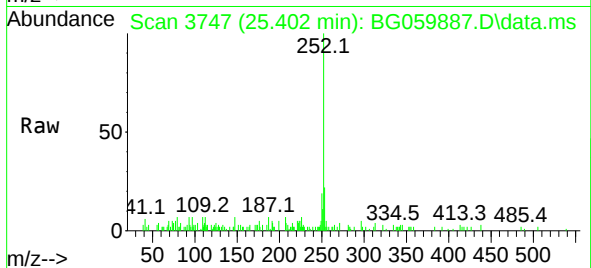
Tgt Ion:	252	Resp:	3203
Ion Ratio	Lower	Upper	
252	100		
253	22.1	16.8	25.2
125	3.6	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#92

Benzo(g,h,i)perylene

Concen: 2.363 ng m

RT: 31.019 min Scan# 4703

Delta R.T. -0.075 min

Lab File: BG059887.D

Acq: 25 Nov 2023 11:56

Tgt Ion:	276	Resp:	26490
Ion Ratio	Lower	Upper	
276	100		
277	11.8	17.3	25.9
138	3.4	2.6	4.0

