

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059852.D
 Acq On : 23 Nov 2023 14:40
 Operator : MA/JU
 Sample : 05485-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-14-STOCKPILE-BIN-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023
 Supervised By :mohammad ahmed 11/25/2023

Quant Time: Nov 24 00:20:35 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 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	36140	20.000	ng	0.00
21) Naphthalene-d8	11.178	136	170525	20.000	ng	#-0.01
39) Acenaphthene-d10	14.962	164	116158	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	226279	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	172639	20.000	ng	# 0.00
86) Perylene-d12	25.638	264	210232	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.831	112	206767	96.297	ng	0.00
7) Phenol-d6	7.459	99	344370	108.227	ng	0.00
23) Nitrobenzene-d5	9.533	82	386949	86.664	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	215740	163.693	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	922563	106.907	ng	0.00
79) Terphenyl-d14	20.291	244	1179794	100.885	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.759	178	85664	7.446	ng	95
75) Fluoranthene	19.750	202	114645	8.310	ng	98
78) Pyrene	20.115	202	120253	10.238	ng	98
81) Benzo(a)anthracene	22.018	228	70736	5.988	ng	92
83) Chrysene	22.095	228	65244m	6.025	ng	
87) Indeno(1,2,3-cd)pyrene	29.797	276	47871m	3.009	ng	
88) Benzo(b)fluoranthene	24.474	252	82445	7.155	ng	# 92
89) Benzo(k)fluoranthene	24.539	252	35681m	3.132	ng	
90) Benzo(a)pyrene	25.461	252	72935	5.931	ng	# 99
92) Benzo(g,h,i)perylene	31.096	276	40525m	3.173	ng	

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

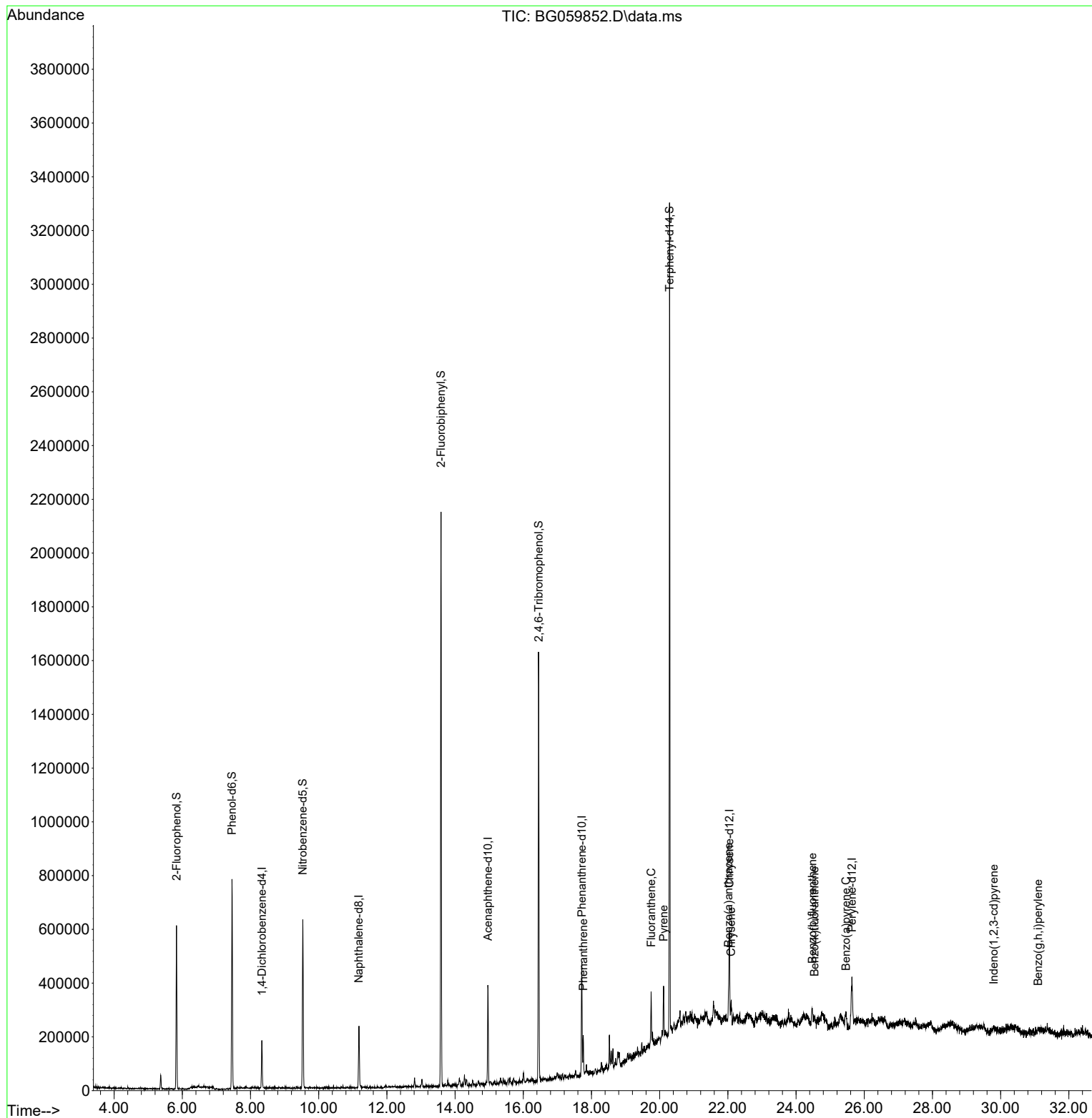
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059852.D
Acq On : 23 Nov 2023 14:40
Operator : MA/JU
Sample : 05485-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

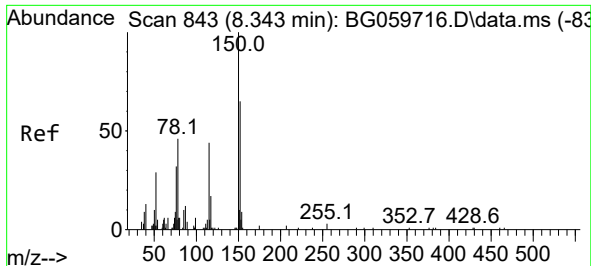
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5

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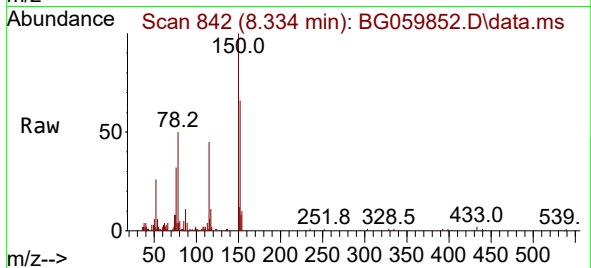
Quant Time: Nov 24 00:20:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 843
Delta R.T. -0.009 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

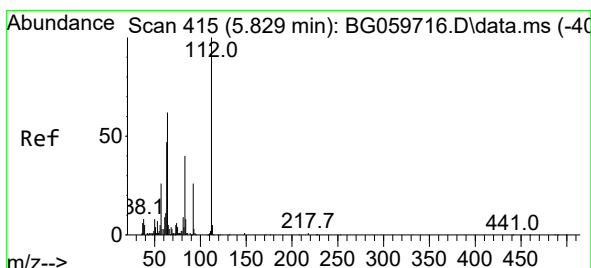
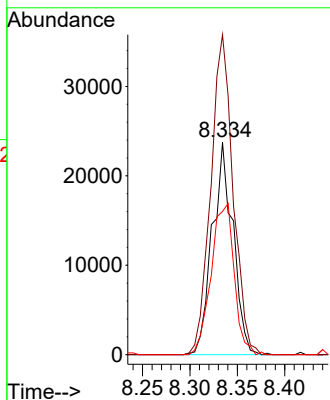
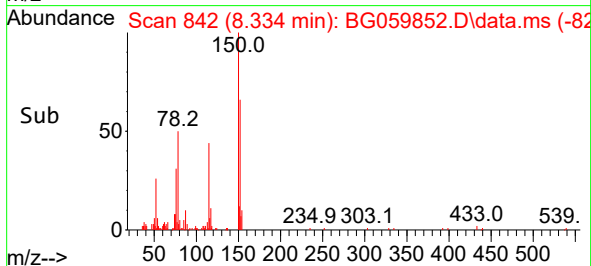
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



Tgt Ion:152 Resp: 36140
Ion Ratio Lower Upper
152 100
150 150.7 122.2 183.4
115 67.5 54.2 81.4

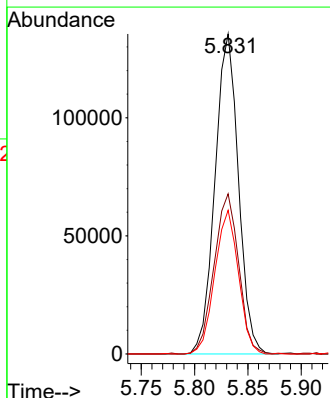
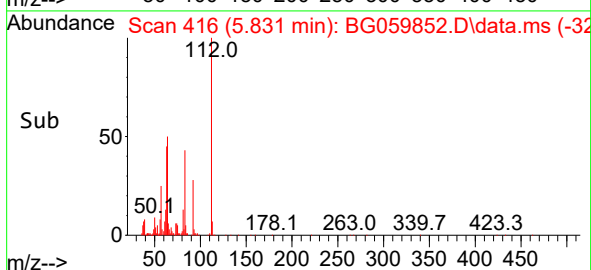
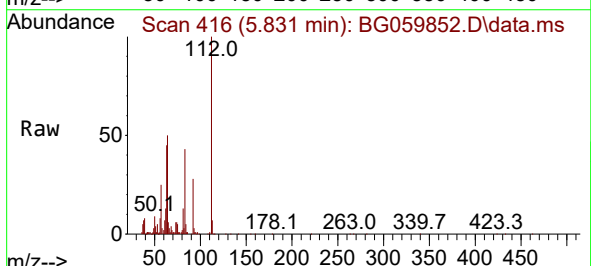
Manual Integrations
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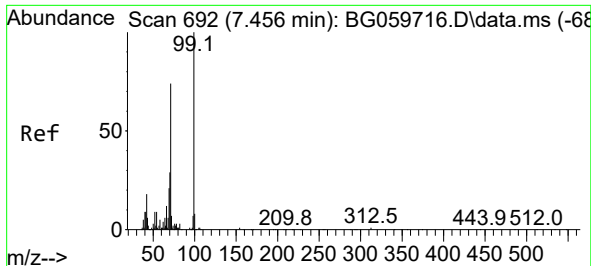
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#5
2-Fluorophenol
Concen: 96.297 ng
RT: 5.831 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

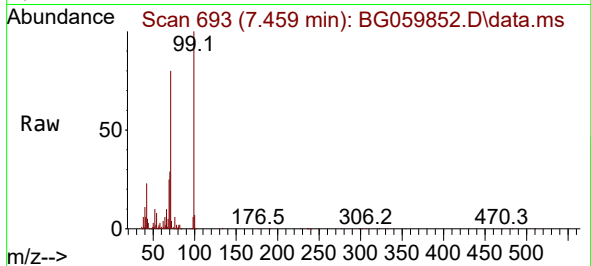
Tgt Ion:112 Resp: 206767
Ion Ratio Lower Upper
112 100
64 50.0 49.5 74.3
63 44.9 37.4 56.2





#7
Phenol-d6
Concen: 108.227 ng
RT: 7.459 min Scan# 693
Delta R.T. 0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

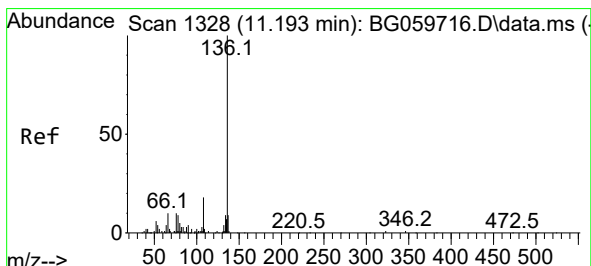
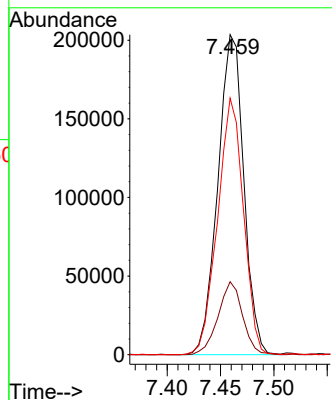
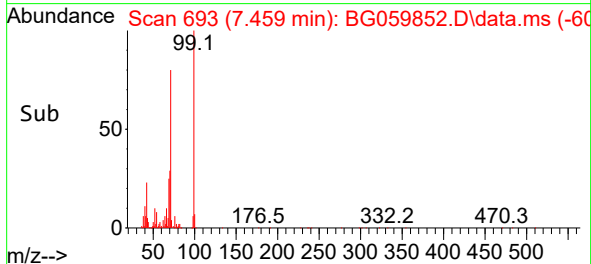
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



Tgt Ion: 99 Resp: 344370
Ion Ratio Lower Upper
99 100
42 22.8 14.3 21.5#
71 80.2 59.3 88.9#

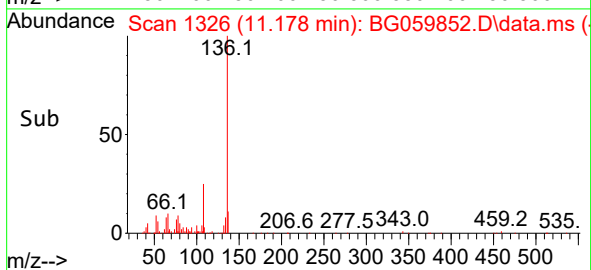
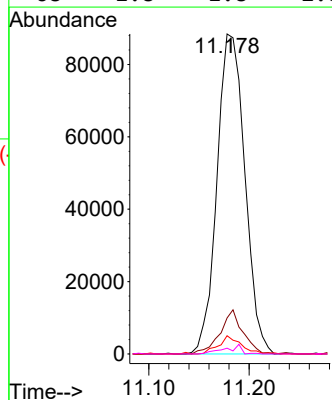
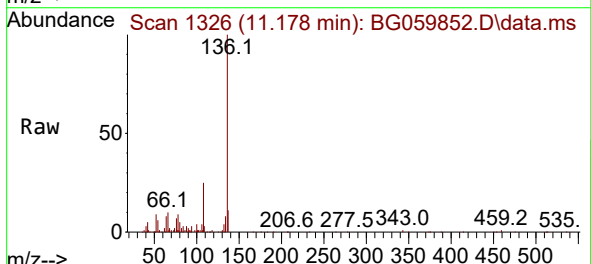
Manual Integrations
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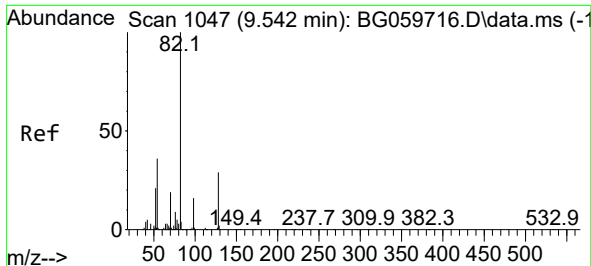
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 1326
Delta R.T. -0.015 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

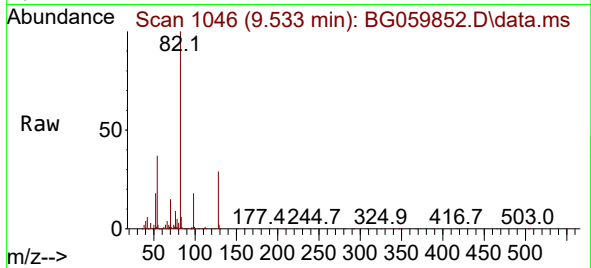
Tgt Ion:136 Resp: 170525
Ion Ratio Lower Upper
136 100
137 11.3 7.4 11.0#
54 5.7 3.1 4.7#
68 1.8 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 86.664 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

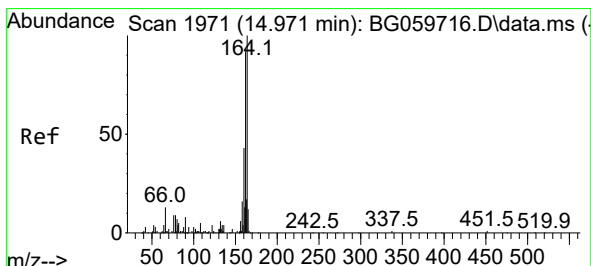
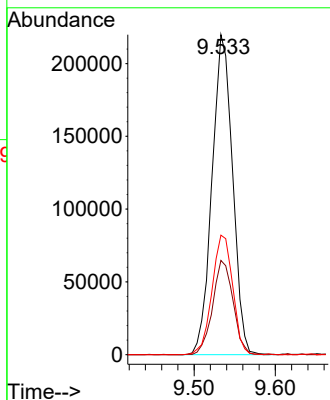
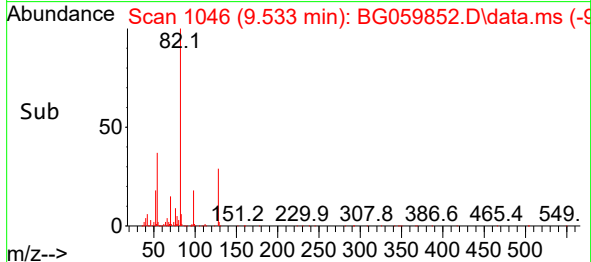
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



Tgt Ion: 82 Resp: 386949
Ion Ratio Lower Upper
82 100
128 29.5 23.0 34.6
54 37.4 28.7 43.1

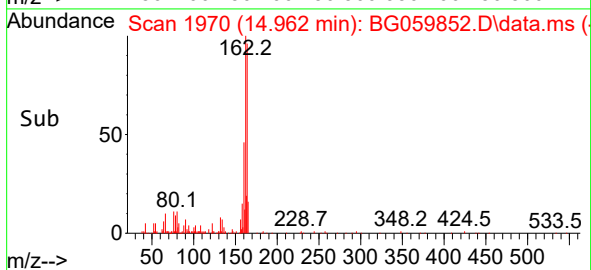
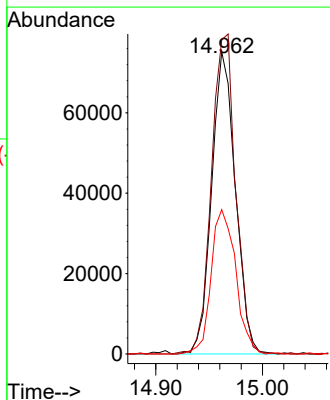
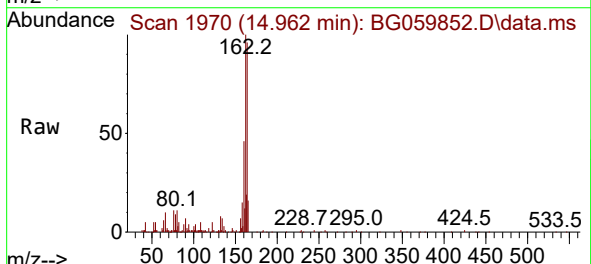
Manual Integrations
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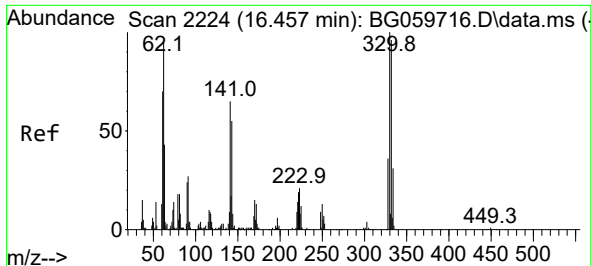
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

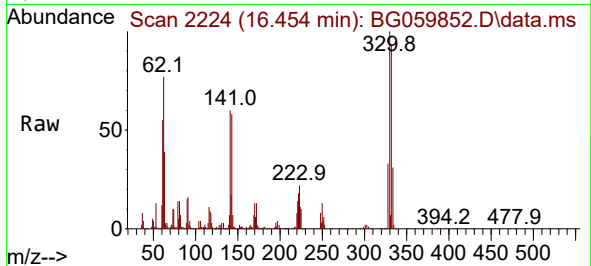
Tgt Ion:164 Resp: 116158
Ion Ratio Lower Upper
164 100
162 103.9 73.3 109.9
160 47.8 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 163.693 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

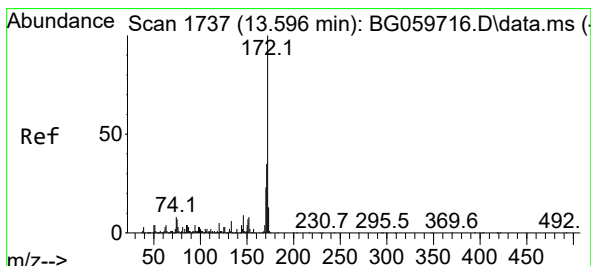
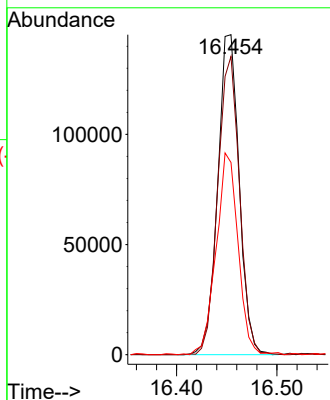
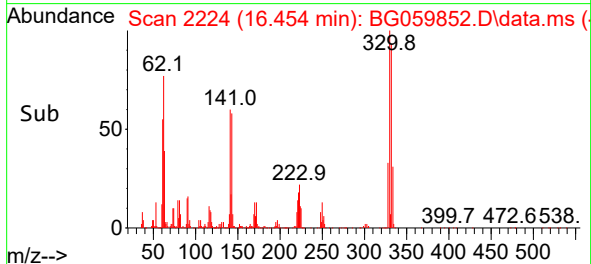
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



Tgt Ion:330 Resp: 215740
Ion Ratio Lower Upper
330 100
332 94.3 73.3 109.9
141 64.6 52.1 78.1

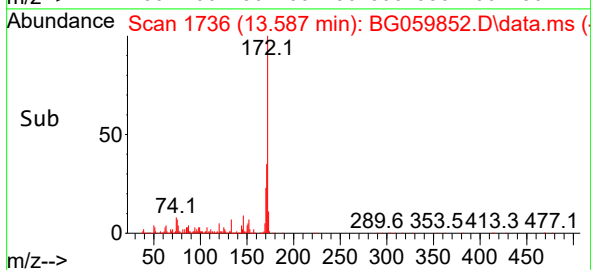
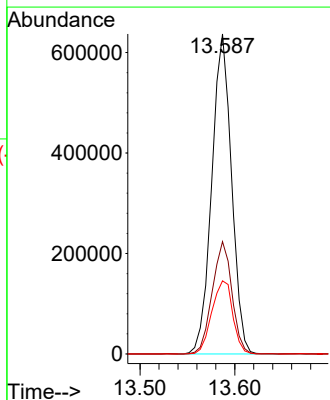
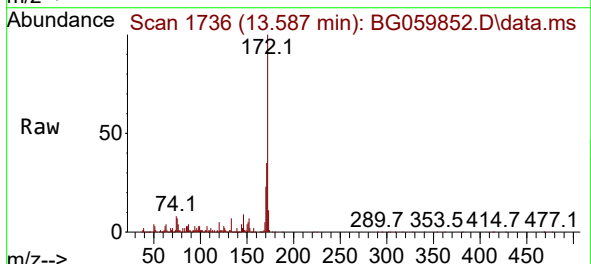
Manual Integrations
APPROVED

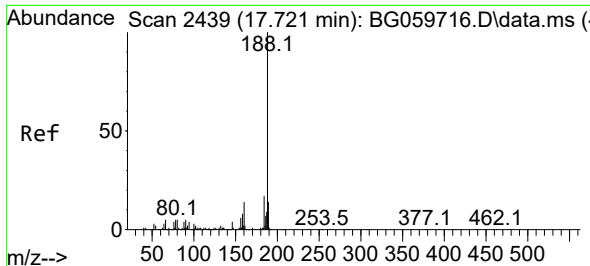
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#45
2-Fluorobiphenyl
Concen: 106.907 ng
RT: 13.587 min Scan# 1736
Delta R.T. -0.009 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

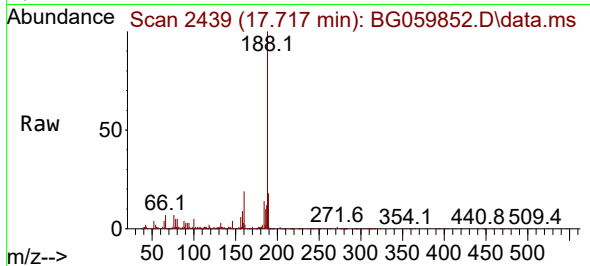
Tgt Ion:172 Resp: 922563
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 22.8 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

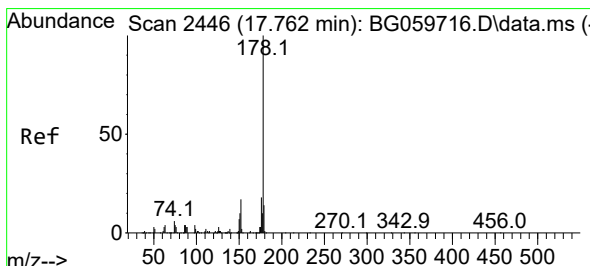
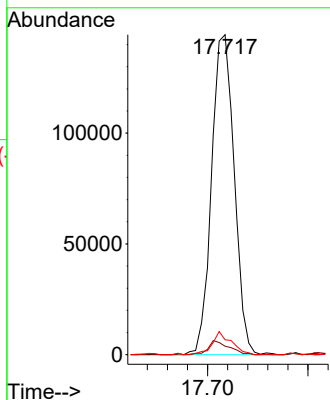
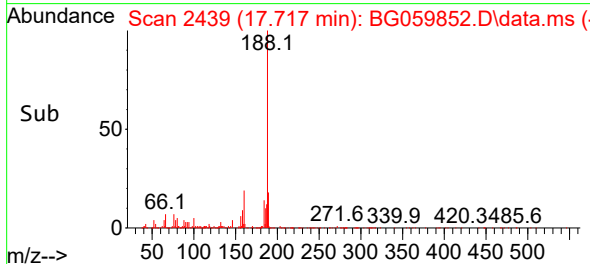
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



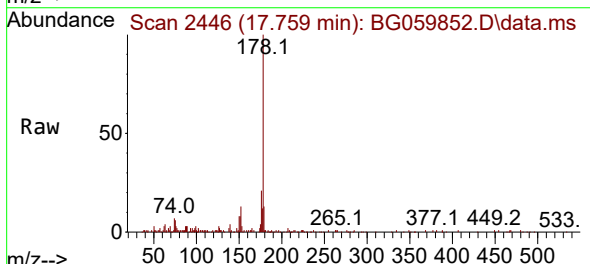
Tgt Ion:188 Resp: 226279
Ion Ratio Lower Upper
188 100
94 2.6 3.0 4.4
80 4.7 4.2 6.4

Manual Integrations
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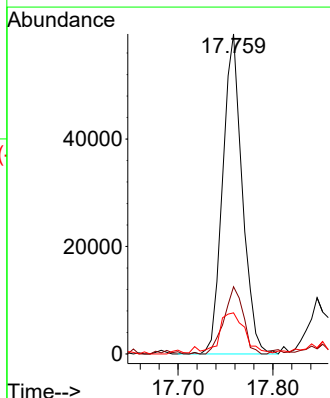
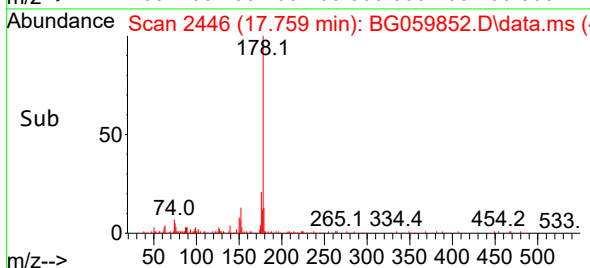
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

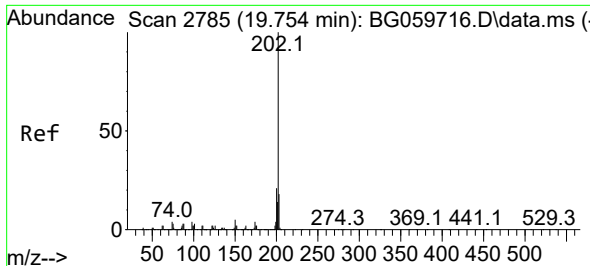


#71
Phenanthrene
Concen: 7.446 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40



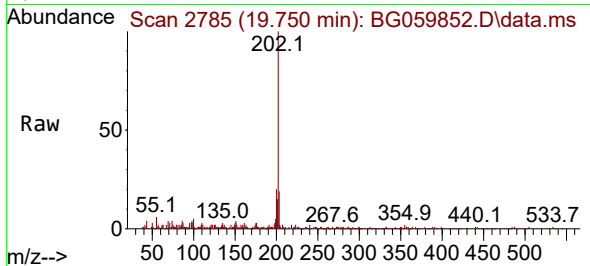
Tgt Ion:178 Resp: 85664
Ion Ratio Lower Upper
178 100
176 21.0 14.5 21.7
179 12.9 11.2 16.8





#75
Fluoranthene
Concen: 8.310 ng
RT: 19.750 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

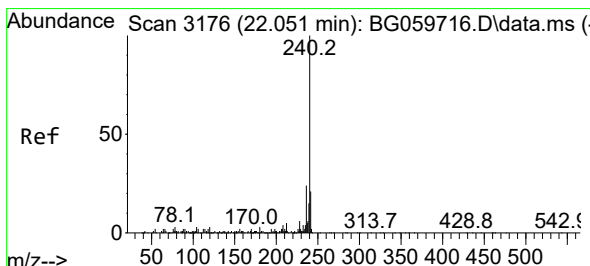
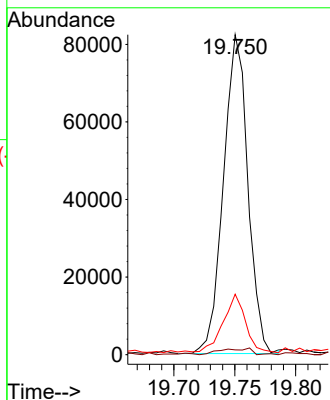
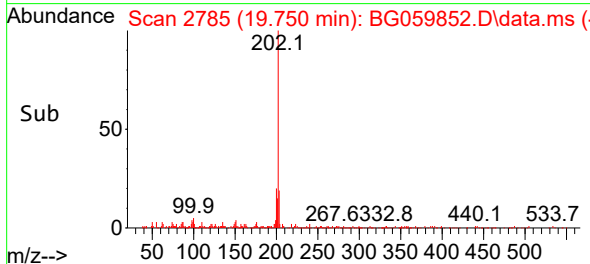
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



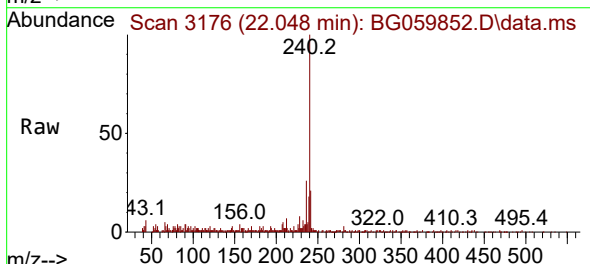
Tgt Ion:202 Resp: 11464
Ion Ratio Lower Upper
202 100
101 1.8 0.0 22.7
203 18.9 0.0 38.2

Manual Integrations
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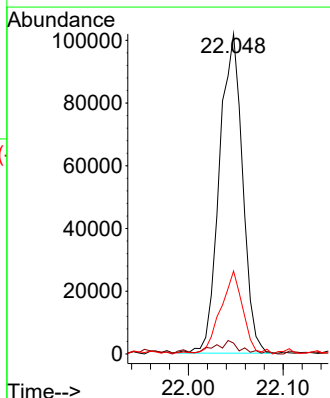
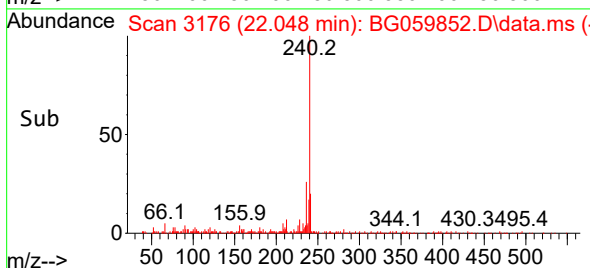
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

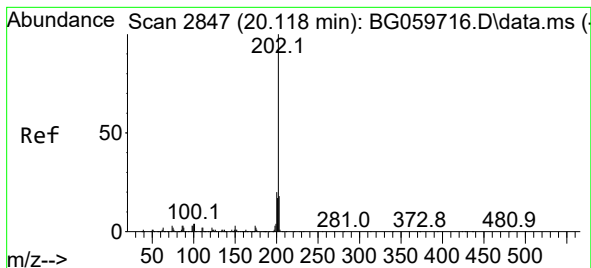


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.048 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40



Tgt Ion:240 Resp: 172639
Ion Ratio Lower Upper
240 100
120 3.4 2.2 3.2#
236 25.9 19.4 29.2





#78

Pyrene

Concen: 10.238 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Instrument :

BNA_G

ClientSampleId :

AU-14-STOCKPILE-BIN-5

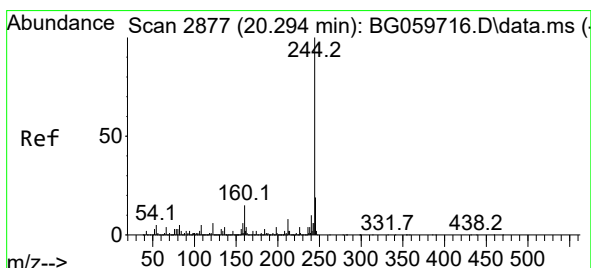
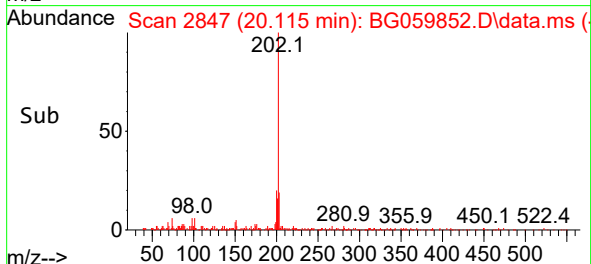
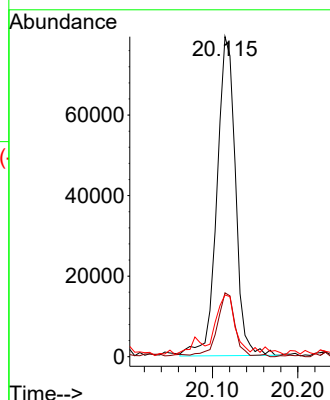
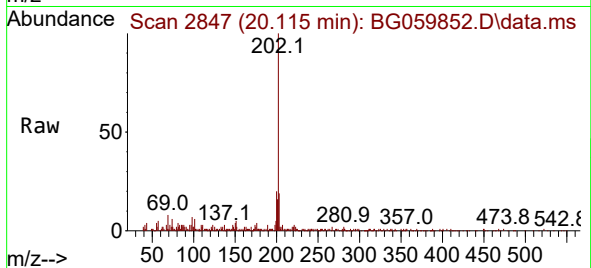
Tgt Ion:	202	Resp:	12025
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.4
203	19.3	14.0	21.0

Manual Integrations

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Supervised By :mohammad ahmed 11/25/2023



#79

Terphenyl-d14

Concen: 100.885 ng

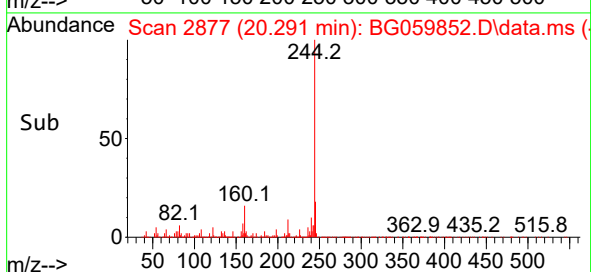
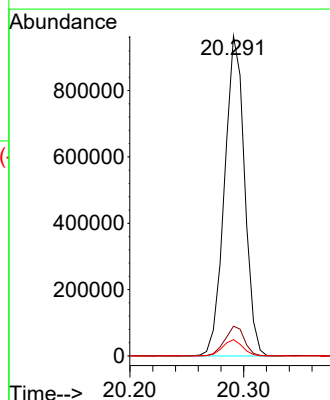
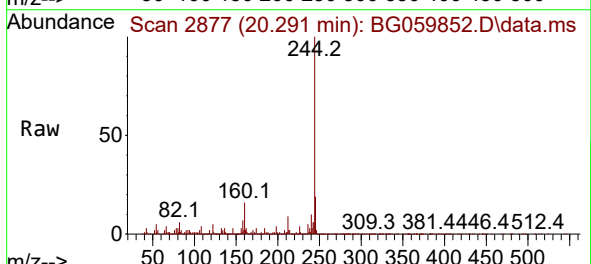
RT: 20.291 min Scan# 2877

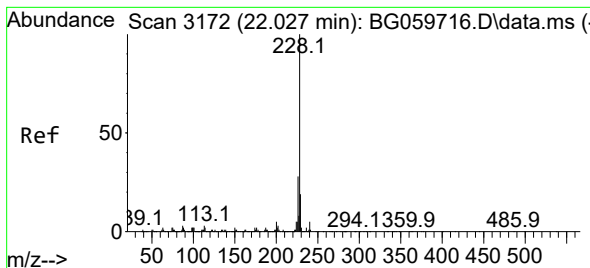
Delta R.T. -0.003 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Tgt Ion:	244	Resp:	1179794
Ion Ratio	Lower	Upper	
244	100		
212	9.3	6.6	10.0
122	5.1	4.4	6.6





#81

Benzo(a)anthracene

Concen: 5.988 ng

RT: 22.018 min Scan# 3172

Delta R.T. -0.009 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Instrument :

BNA_G

ClientSampleId :

AU-14-STOCKPILE-BIN-5

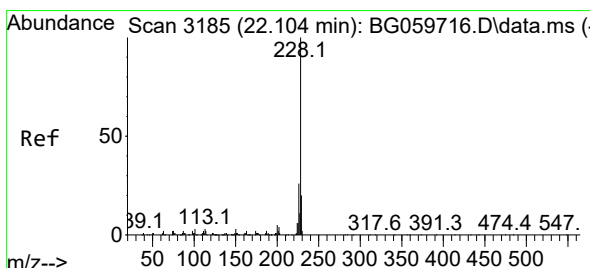
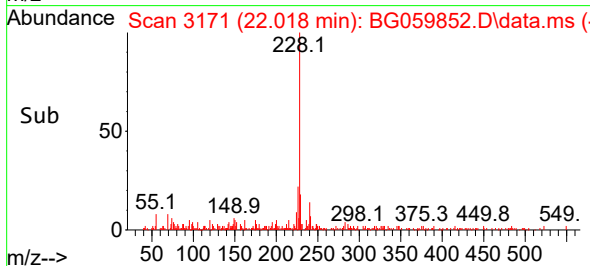
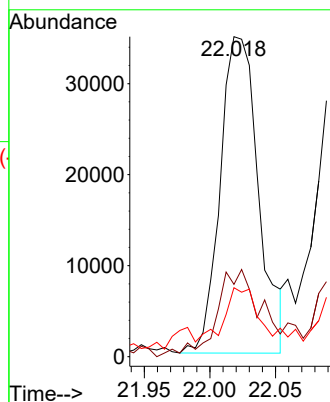
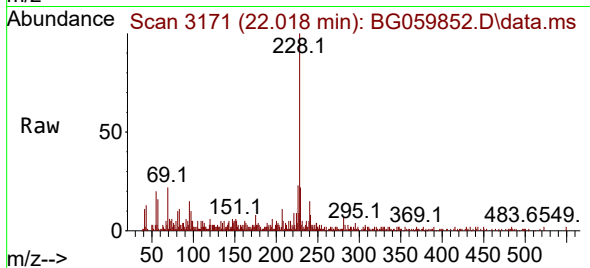
Tgt Ion:	228	Resp:	70730
Ion Ratio	Lower	Upper	
228	100		
226	22.6	22.1	33.1
229	21.6	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#83

Chrysene

Concen: 6.025 ng m

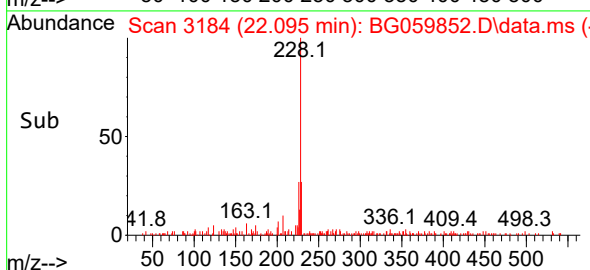
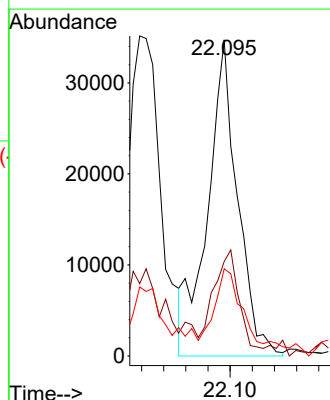
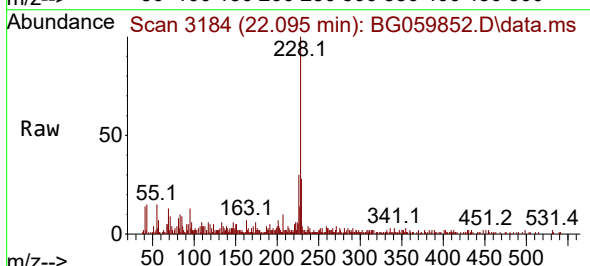
RT: 22.095 min Scan# 3184

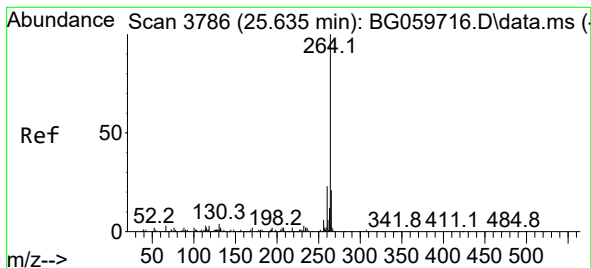
Delta R.T. -0.009 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Tgt Ion:	228	Resp:	65244
Ion Ratio	Lower	Upper	
228	100		
226	29.9	21.1	31.7
229	27.6	16.2	24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.638 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Instrument :

BNA_G

ClientSampleId :

AU-14-STOCKPILE-BIN-5

Tgt Ion:264 Resp: 21023

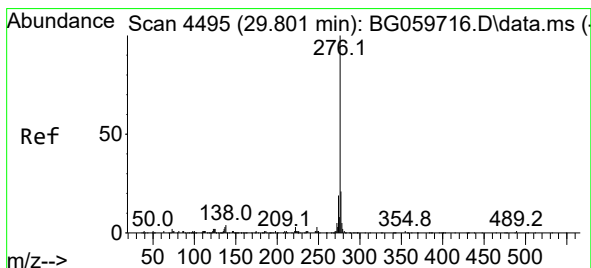
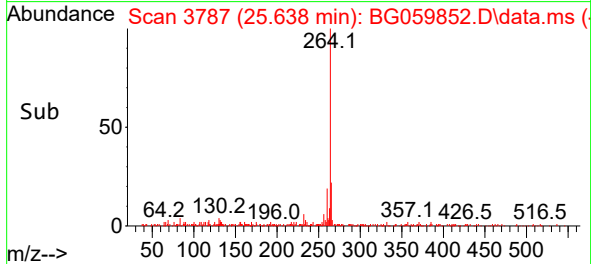
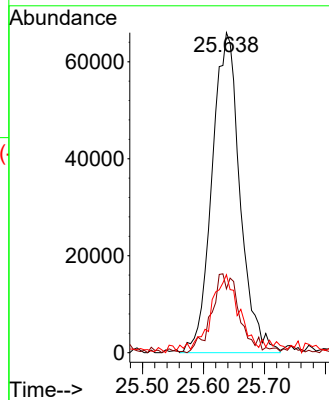
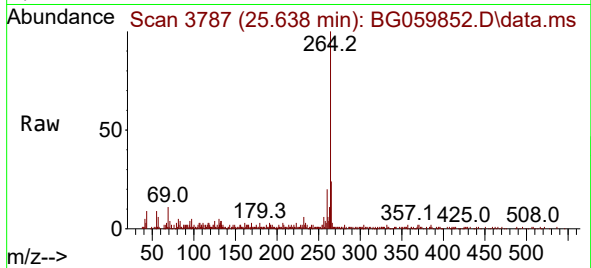
Ion	Ratio	Lower	Upper
264	100		
260	19.9	18.5	27.7
265	24.3	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.009 ng m

RT: 29.797 min Scan# 4495

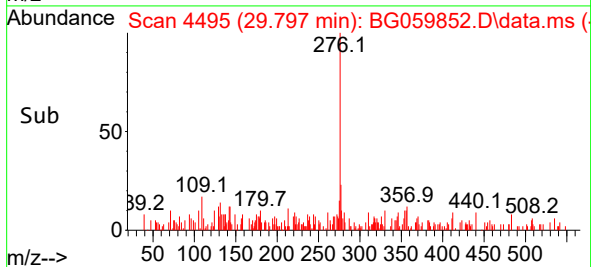
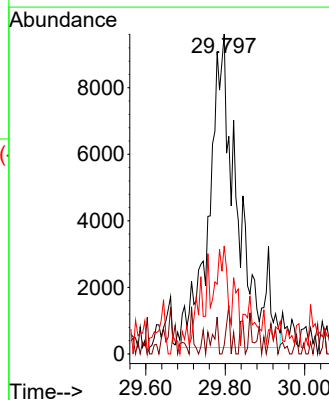
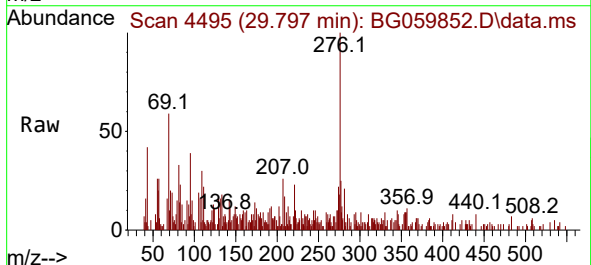
Delta R.T. -0.003 min

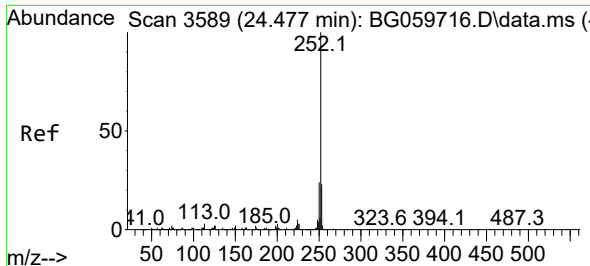
Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Tgt Ion:276 Resp: 47871

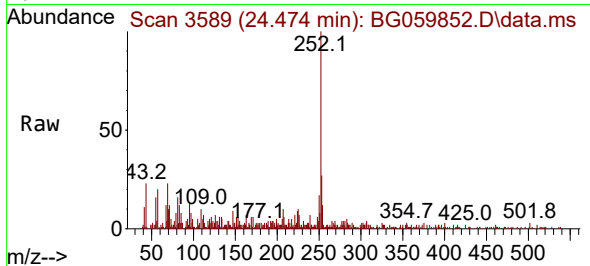
Ion	Ratio	Lower	Upper
276	100		
138	2.3	1.8	2.6
277	10.0	9.8	14.6





#88
Benzo(b)fluoranthene
Concen: 7.155 ng
RT: 24.474 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40

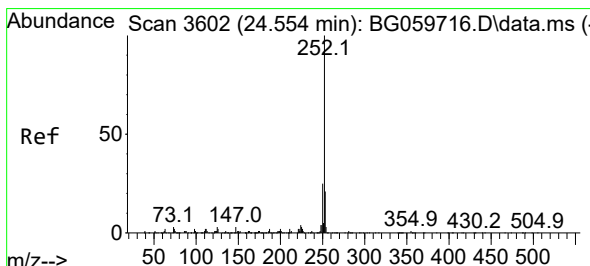
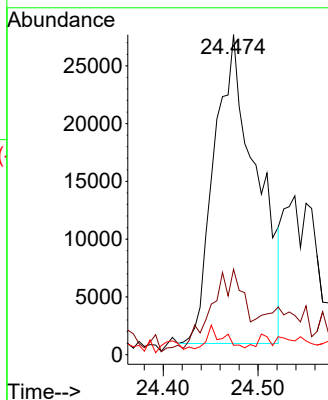
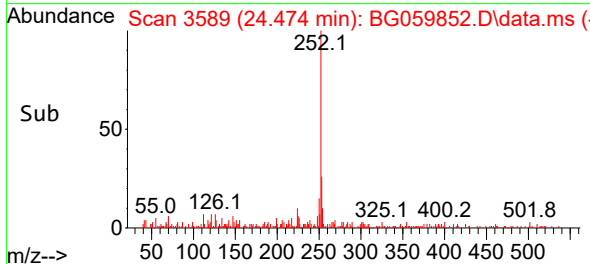
Instrument :
BNA_G
ClientSampleId :
AU-14-STOCKPILE-BIN-5



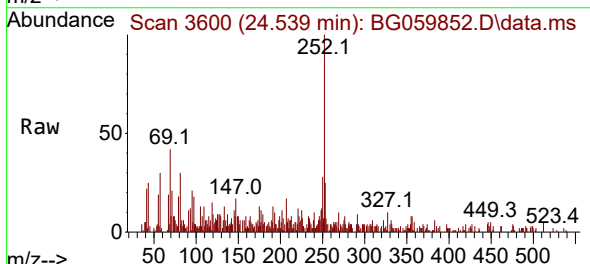
Tgt Ion:252 Resp: 8244
Ion Ratio Lower Upper
252 100
253 26.7 18.3 27.5
125 3.0 1.4 2.0

Manual Integrations
APPROVED

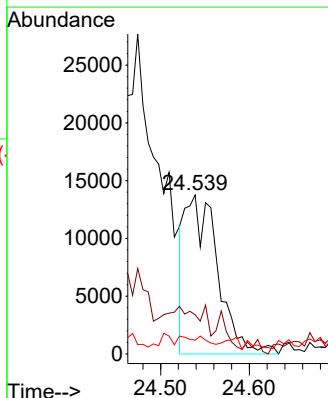
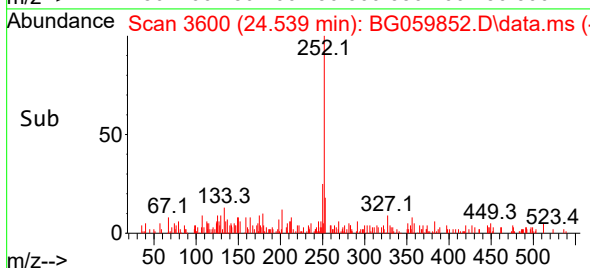
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

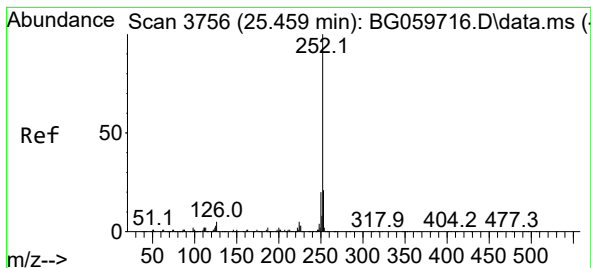


#89
Benzo(k)fluoranthene
Concen: 3.132 ng m
RT: 24.539 min Scan# 3600
Delta R.T. -0.015 min
Lab File: BG059852.D
Acq: 23 Nov 2023 14:40



Tgt Ion:252 Resp: 35681
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 8.6 2.2 3.2





#90

Benzo(a)pyrene

Concen: 5.931 ng

RT: 25.461 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Instrument :

BNA_G

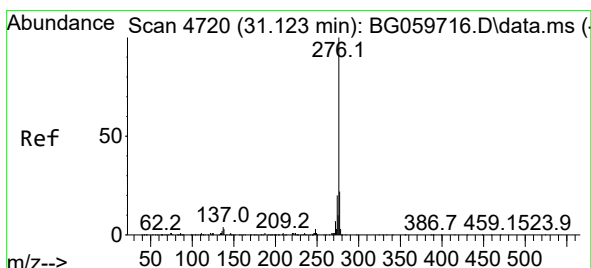
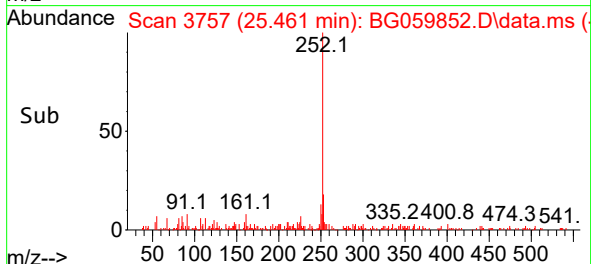
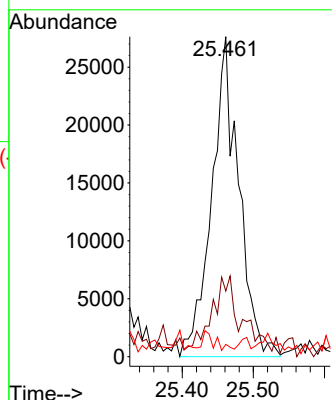
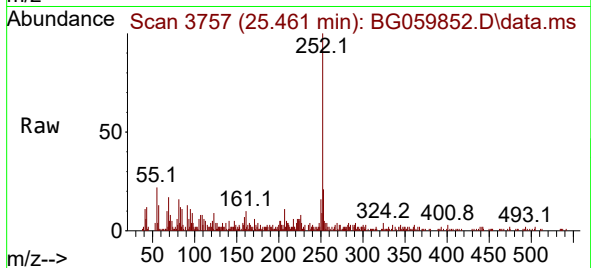
ClientSampleId :

AU-14-STOCKPILE-BIN-5

Tgt Ion:	252	Resp:	7293
Ion Ratio	Lower	Upper	
252	100		
253	20.5	16.8	25.2
125	3.8	2.0	3.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#92

Benzo(g,h,i)perylene

Concen: 3.173 ng m

RT: 31.096 min Scan# 4716

Delta R.T. -0.027 min

Lab File: BG059852.D

Acq: 23 Nov 2023 14:40

Tgt Ion:	276	Resp:	40525
Ion Ratio	Lower	Upper	
276	100		
277	25.9	17.3	25.9#
138	4.9	2.6	4.0#

