

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058893.D
 Acq On : 29 Aug 2023 18:48
 Operator : MA/JU
 Sample : 04177-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-1-082523

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 29 19:21:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.785	152	23269	20.000	ng	0.00
21) Naphthalene-d8	10.588	136	91952	20.000	ng	# 0.00
39) Acenaphthene-d10	14.436	164	58579	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	121872	20.000	ng	# 0.00
76) Chrysene-d12	21.428	240	104050	20.000	ng	0.00
86) Perylene-d12	24.483	264	94869	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.365	112	100027	69.178	ng	0.00
7) Phenol-d6	6.963	99	136039	67.058	ng	0.00
23) Nitrobenzene-d5	8.954	82	85960	44.945	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	60685	66.069	ng	0.00
45) 2-Fluorobiphenyl	13.056	172	185391	46.031	ng	0.00
79) Terphenyl-d14	19.806	244	259884	44.848	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.227	178	49611	8.479	ng	98
75) Fluoranthene	19.242	202	69277	9.548	ng	98
78) Pyrene	19.607	202	85088	11.736	ng	99
81) Benzo(a)anthracene	21.405	228	35556	4.909	ng	96
83) Chrysene	21.469	228	38971	5.582	ng	# 96
88) Benzo(b)fluoranthene	23.520	252	30066m	5.712	ng	
89) Benzo(k)fluoranthene	23.567	252	14808m	2.728	ng	
90) Benzo(a)pyrene	24.336	252	22185	4.280	ng	# 85

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

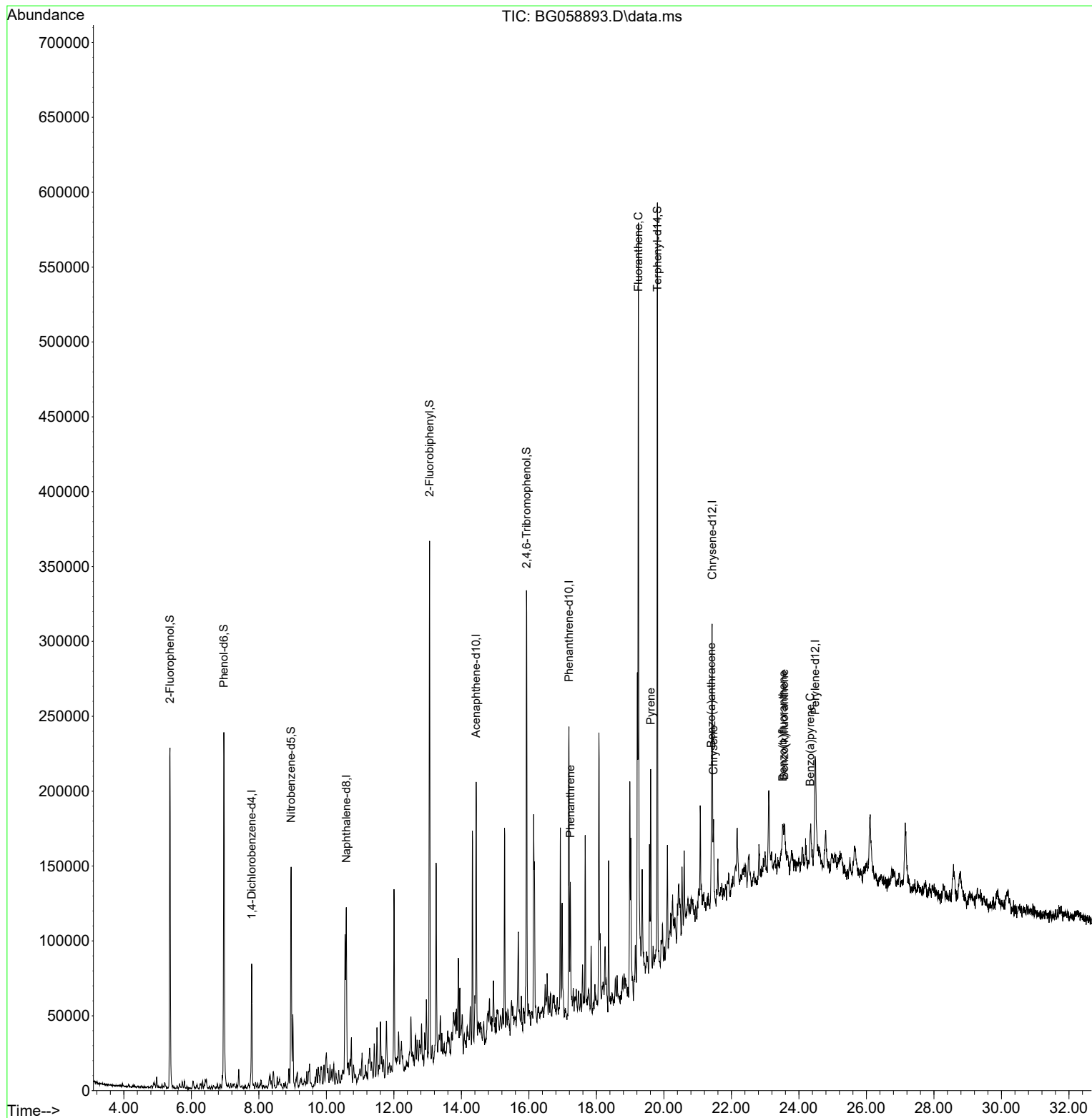
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058893.D
Acq On : 29 Aug 2023 18:48
Operator : MA/JU
Sample : 04177-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

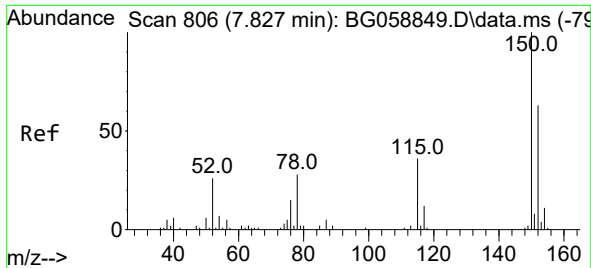
Instrument :
BNA_G
ClientSampleId :
EO-1-082523

Quant Time: Aug 29 19:21:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 14:27:28 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023





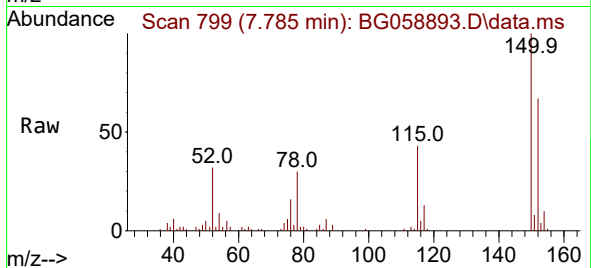
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.785 min Scan# 799
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523



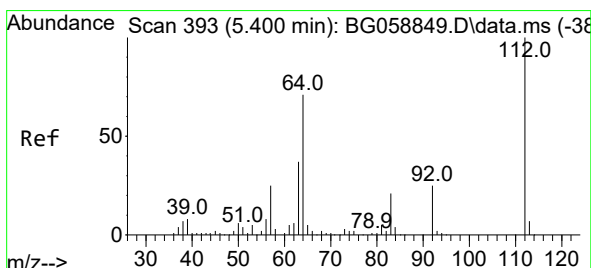
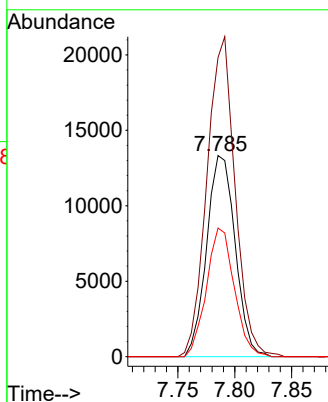
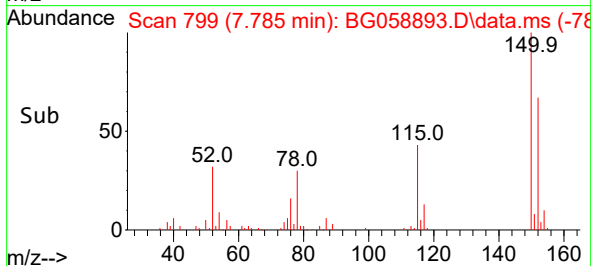
Tgt Ion:152 Resp: 23269
Ion Ratio Lower Upper
152 100
150 148.8 128.6 192.8
115 64.0 50.4 75.6

Manual Integrations

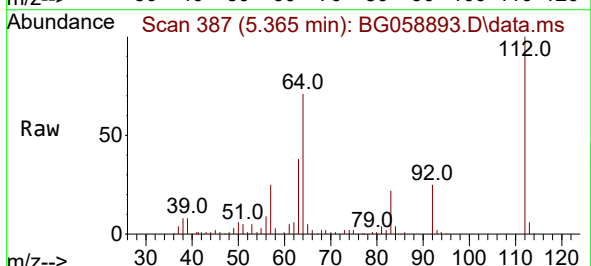
APPROVED

Reviewed By :Yogesh Patel 08/30/2023

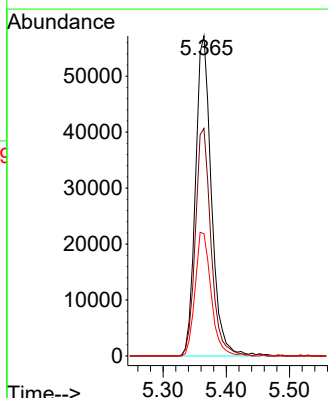
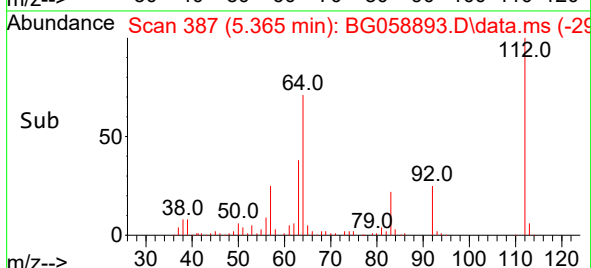
Supervised By :mohammad ahmed 08/30/2023

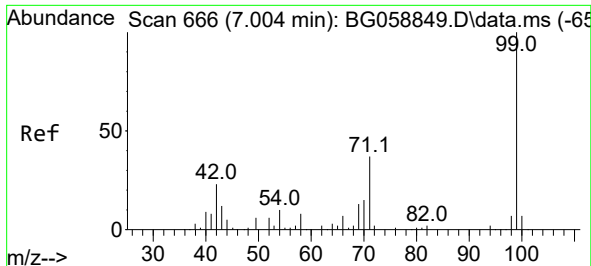


#5
2-Fluorophenol
Concen: 69.178 ng
RT: 5.365 min Scan# 387
Delta R.T. 0.008 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48



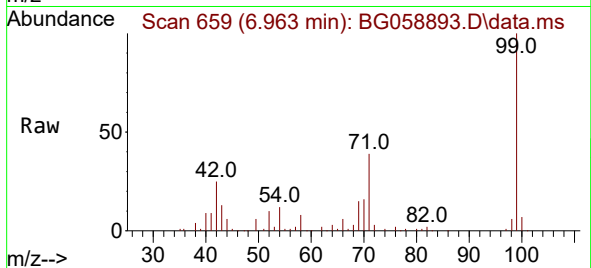
Tgt Ion:112 Resp: 100027
Ion Ratio Lower Upper
112 100
64 71.1 60.6 90.8
63 38.2 31.0 46.4





#7
Phenol-d6
Concen: 67.058 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

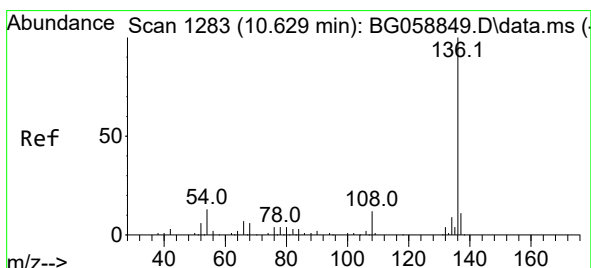
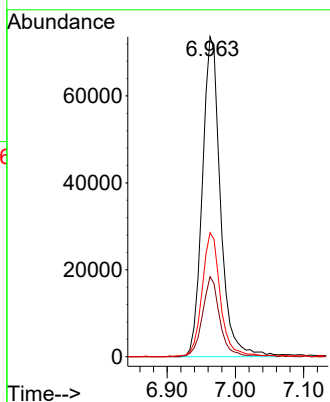
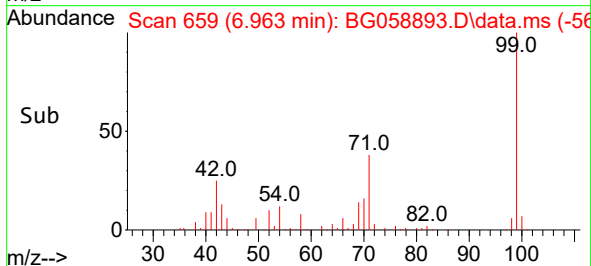
Instrument :
BNA_G
ClientSampleId :
EO-1-082523



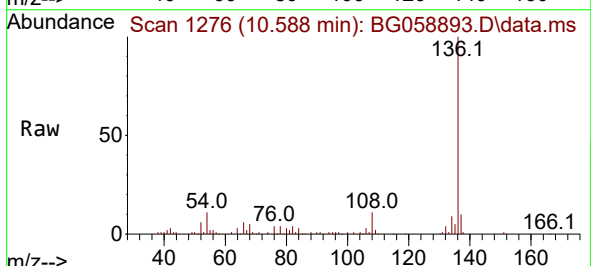
Tgt Ion: 99 Resp: 136039
Ion Ratio Lower Upper
99 100
42 25.0 16.5 24.7
71 38.8 28.4 42.6

Manual Integrations
APPROVED

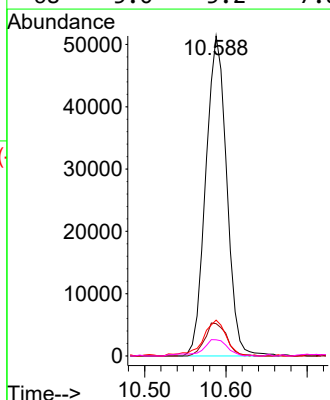
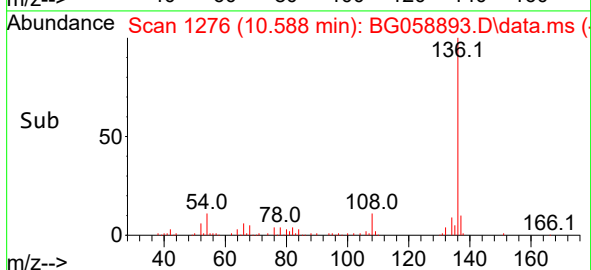
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

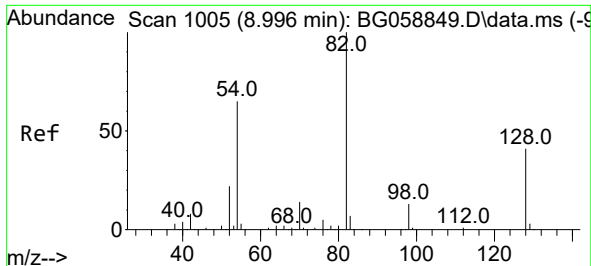


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.588 min Scan# 1276
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48



Tgt Ion:136 Resp: 91952
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 11.2 10.1 15.1
68 5.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 44.945 ng
RT: 8.954 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

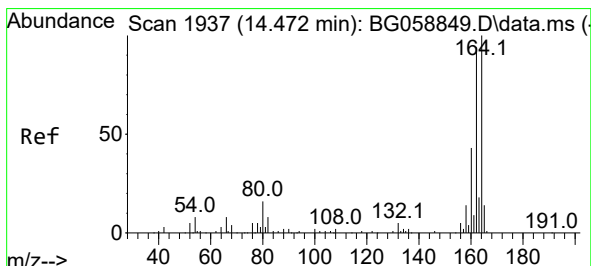
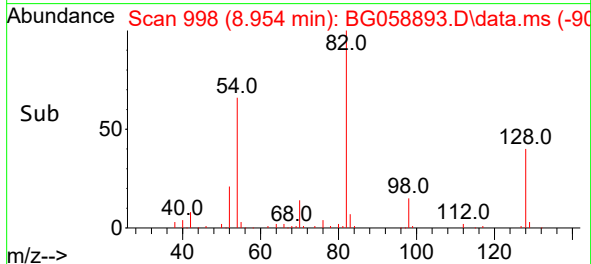
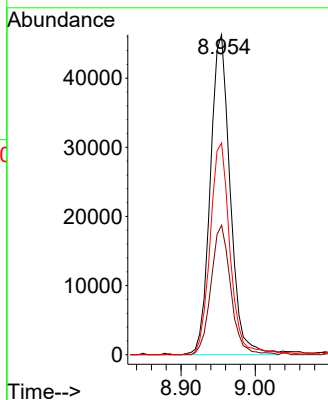
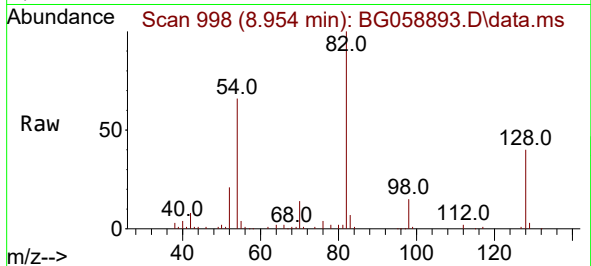
ClientSampleId :

EO-1-082523

Tgt Ion: 82 Resp: 85960
Ion Ratio Lower Upper
82 100
128 40.4 33.2 49.8
54 66.1 51.2 76.8

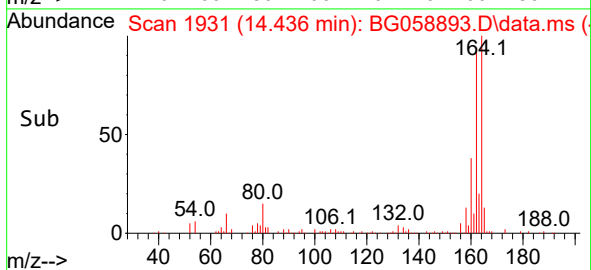
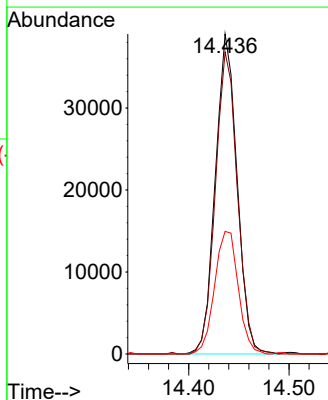
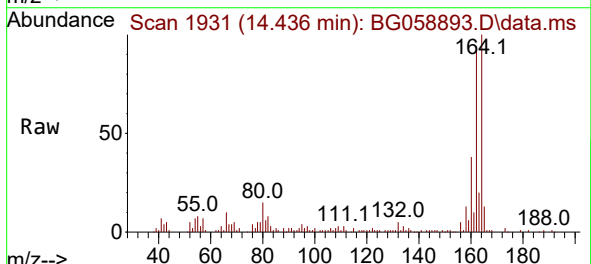
Manual Integrations
APPROVED

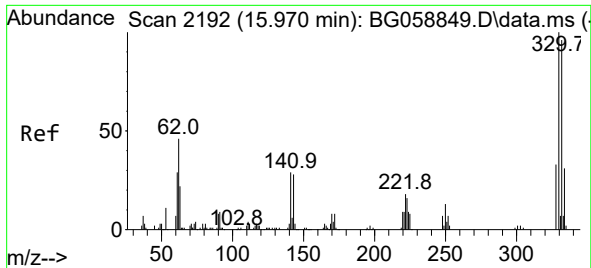
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.436 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:164 Resp: 58579
Ion Ratio Lower Upper
164 100
162 94.4 79.6 119.4
160 38.3 34.0 51.0





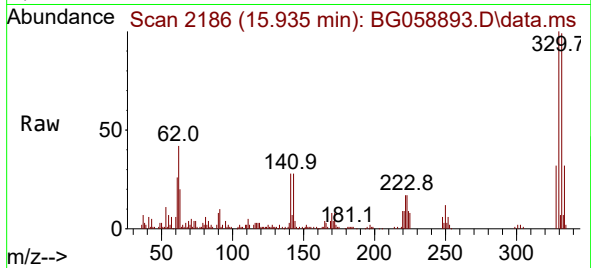
#42
2,4,6-Tribromophenol
Concen: 66.069 ng
RT: 15.935 min Scan# 2192
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523



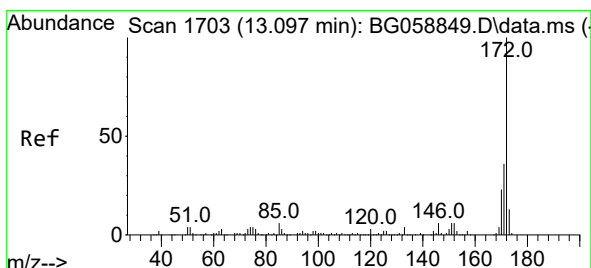
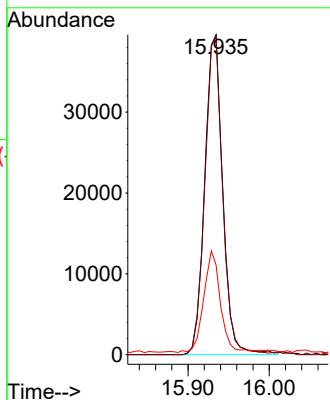
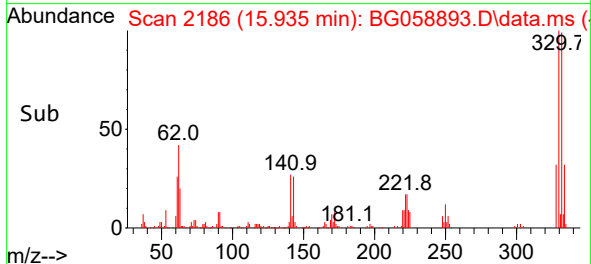
Tgt Ion:330 Resp: 60685
Ion Ratio Lower Upper
330 100
332 98.4 78.5 117.7
141 29.6 23.0 34.6

Manual Integrations

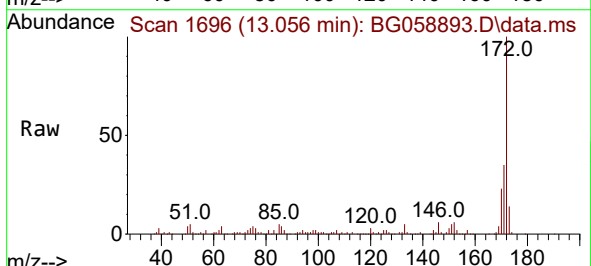
APPROVED

Reviewed By :Yogesh Patel 08/30/2023

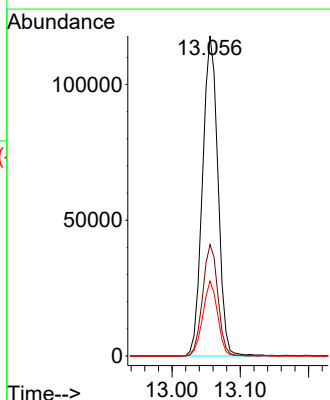
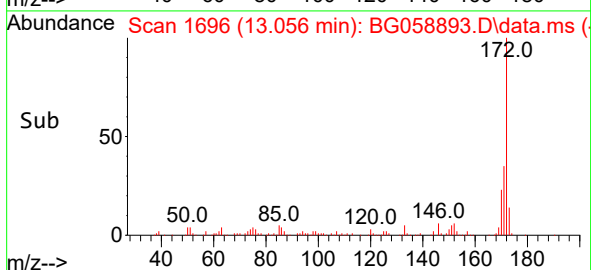
Supervised By :mohammad ahmed 08/30/2023

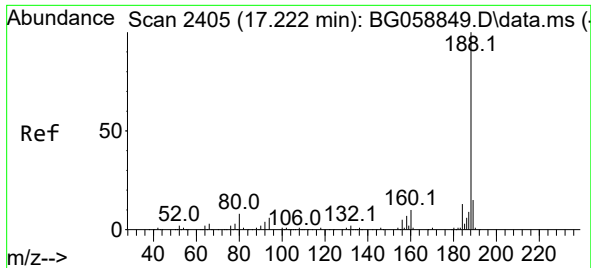


#45
2-Fluorobiphenyl
Concen: 46.031 ng
RT: 13.056 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48



Tgt Ion:172 Resp: 185391
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.4 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

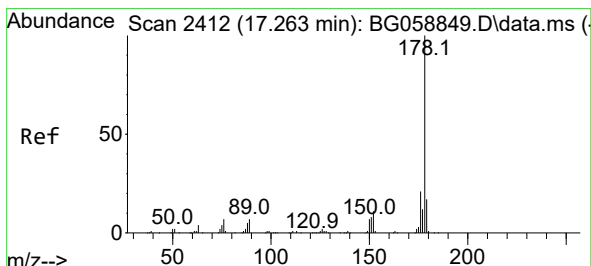
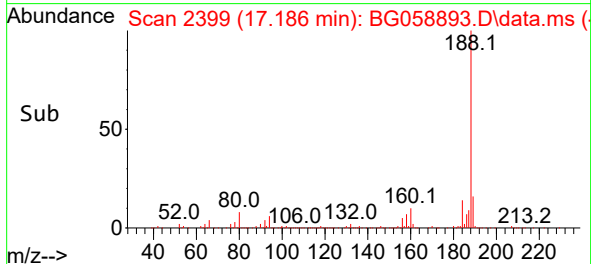
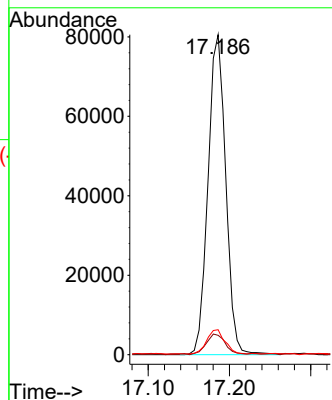
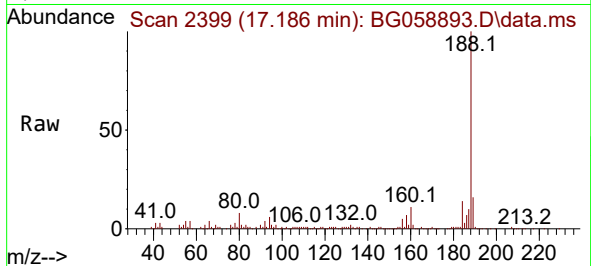
ClientSampleId :

EO-1-082523

Tgt Ion:188 Resp: 121872
Ion Ratio Lower Upper
188 100
94 6.1 6.1 9.1
80 7.8 6.9 10.3

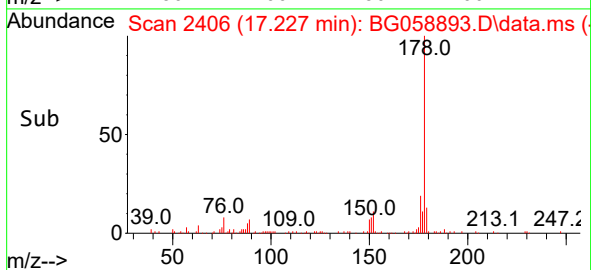
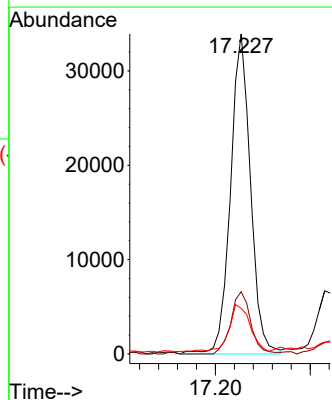
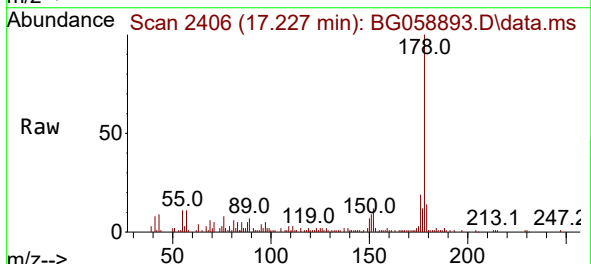
Manual Integrations
APPROVED

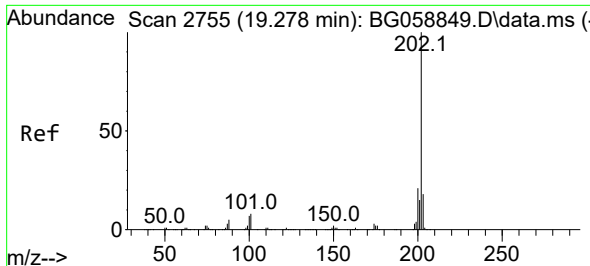
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#71
Phenanthrene
Concen: 8.479 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

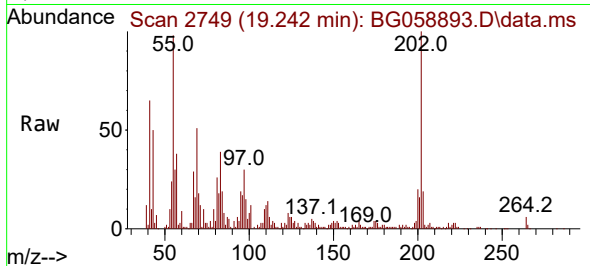
Tgt Ion:178 Resp: 49611
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.3 13.0 19.4





#75
Fluoranthene
Concen: 9.548 ng
RT: 19.242 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

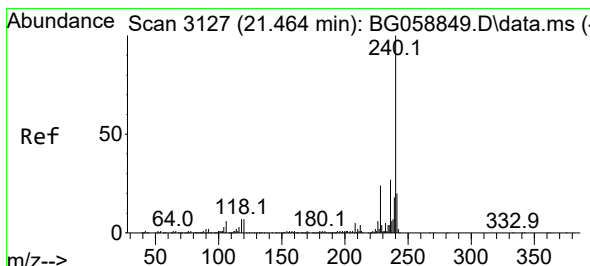
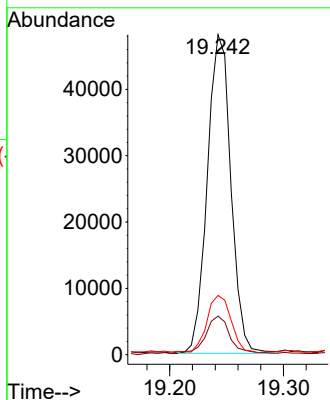
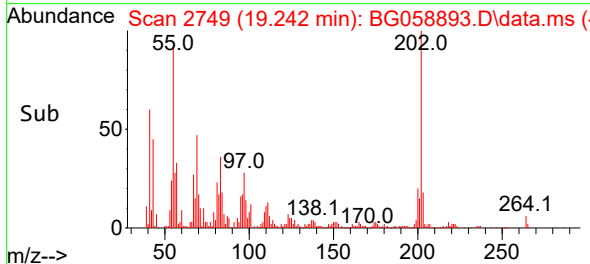
Instrument :
BNA_G
ClientSampleId :
EO-1-082523



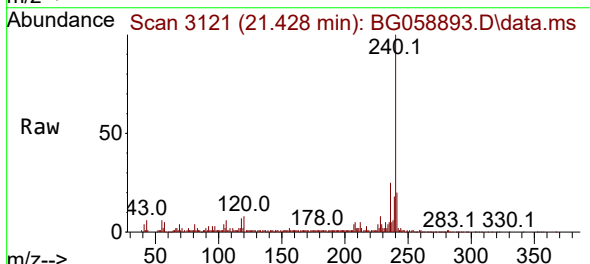
Tgt Ion:202 Resp: 6927
Ion Ratio Lower Upper
202 100
101 12.0 0.0 29.7
203 18.5 0.0 38.7

Manual Integrations
APPROVED

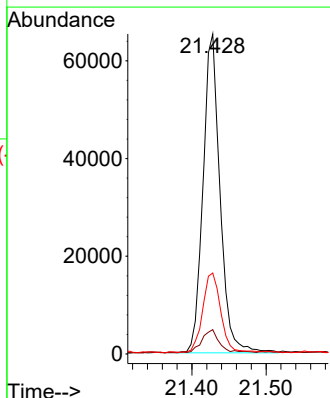
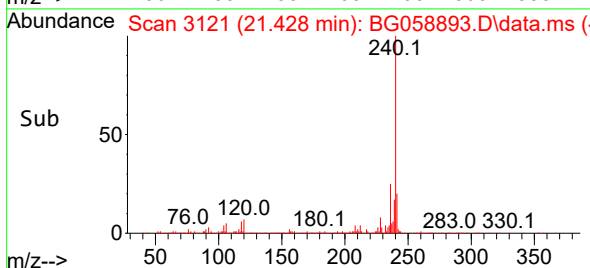
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

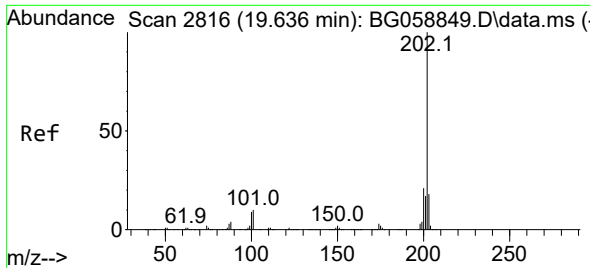


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.428 min Scan# 3121
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48



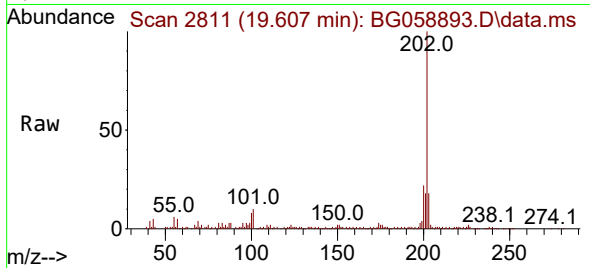
Tgt Ion:240 Resp: 104050
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.2
236 25.3 20.5 30.7





#78
 Pyrene
 Concen: 11.736 ng
 RT: 19.607 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG058893.D
 Acq: 29 Aug 2023 18:48

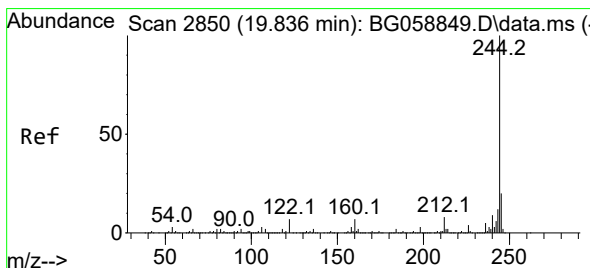
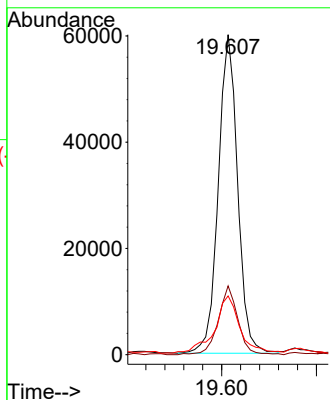
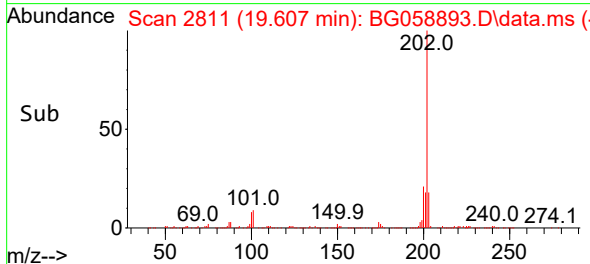
Instrument :
 BNA_G
 ClientSampleId :
 EO-1-082523



Tgt Ion:202 Resp: 85088
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.7 25.1
 203 18.4 15.3 22.9

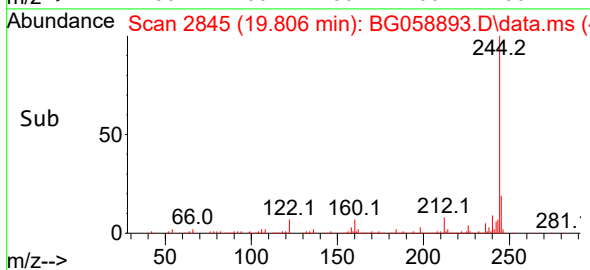
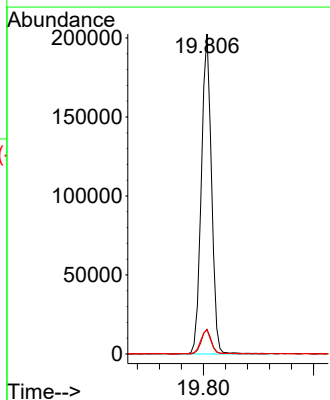
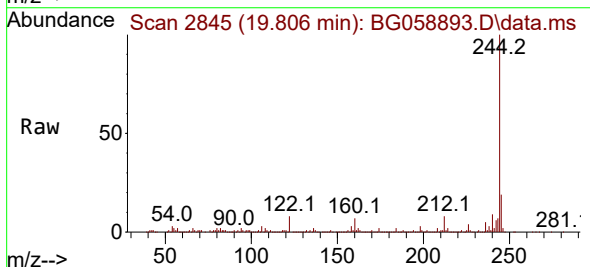
Manual Integrations
 APPROVED

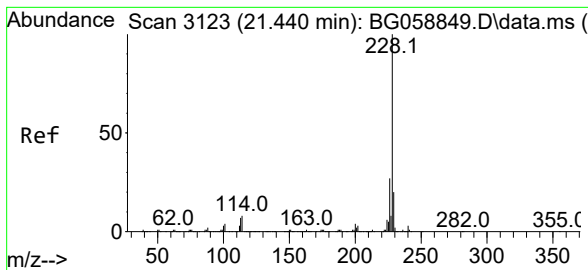
Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023



#79
 Terphenyl-d14
 Concen: 44.848 ng
 RT: 19.806 min Scan# 2845
 Delta R.T. 0.002 min
 Lab File: BG058893.D
 Acq: 29 Aug 2023 18:48

Tgt Ion:244 Resp: 259884
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 7.6 6.3 9.5





#81

Benzo(a)anthracene

Concen: 4.909 ng

RT: 21.405 min Scan# 3117

Delta R.T. 0.002 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523

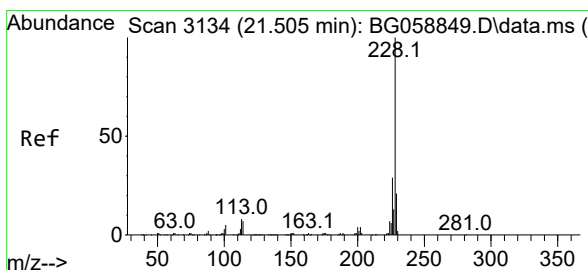
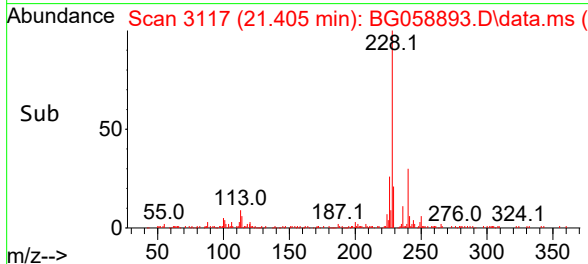
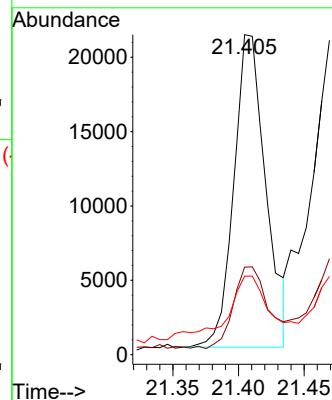
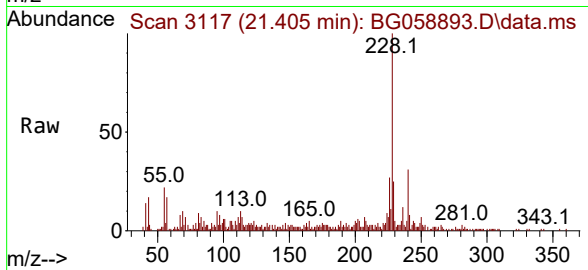
Tgt Ion:	228	Resp:	35550
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.6	33.8
229	24.6	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#83

Chrysene

Concen: 5.582 ng

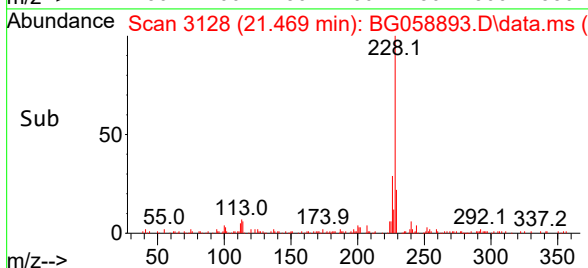
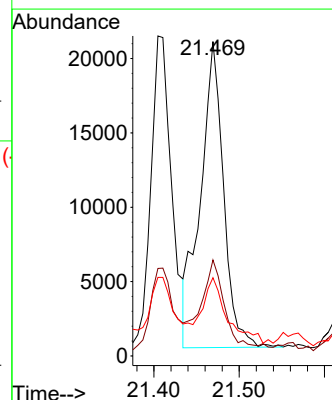
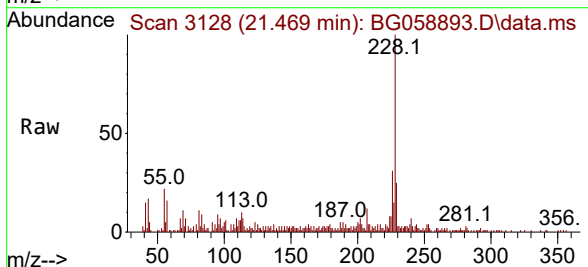
RT: 21.469 min Scan# 3128

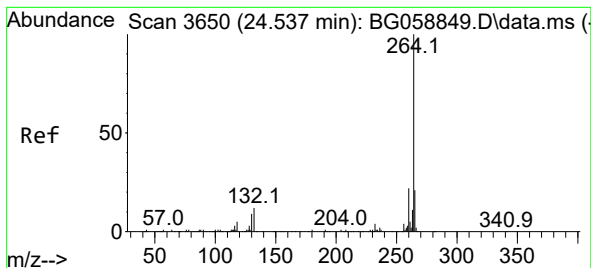
Delta R.T. 0.002 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Tgt Ion:	228	Resp:	38971
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	24.9	16.3	24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.483 min Scan# 30

Delta R.T. 0.014 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523

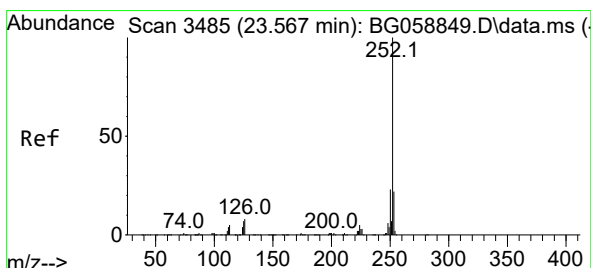
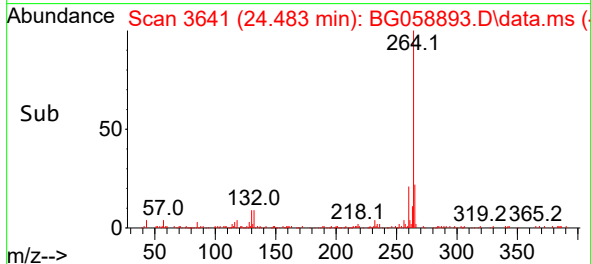
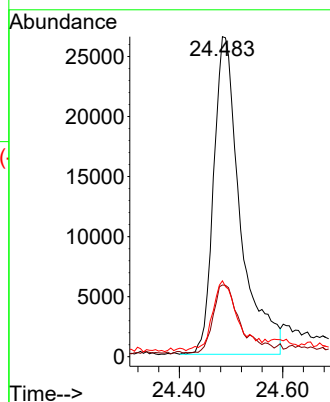
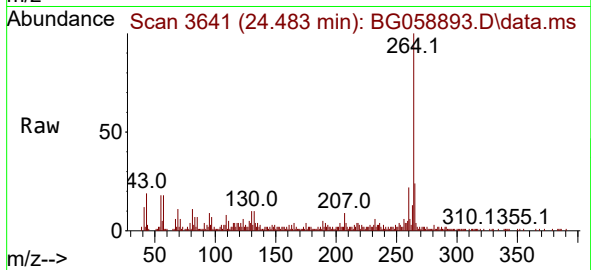
Tgt Ion:	264	Resp:	94869
Ion Ratio	Lower	Upper	
264	100		
260	22.4	18.2	27.2
265	23.7	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#88

Benzo(b)fluoranthene

Concen: 5.712 ng m

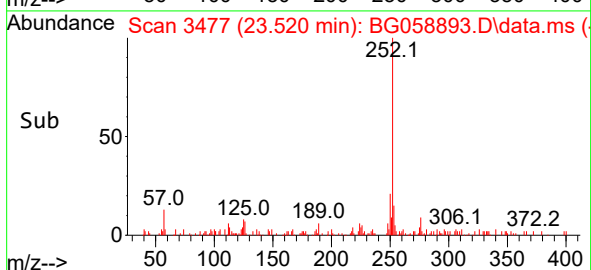
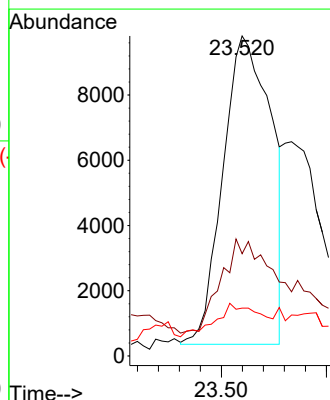
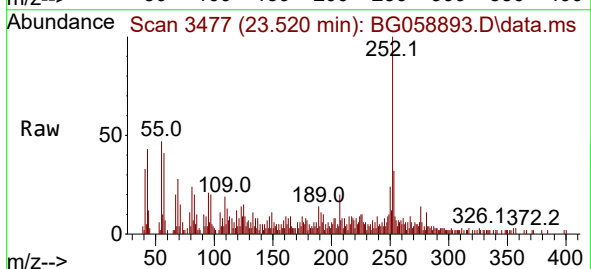
RT: 23.520 min Scan# 3477

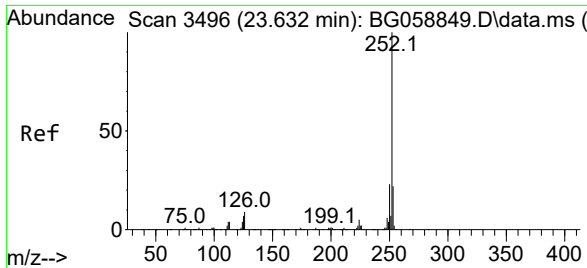
Delta R.T. 0.014 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Tgt Ion:	252	Resp:	30066
Ion Ratio	Lower	Upper	
252	100		
253	32.0	18.4	27.6#
125	15.0	6.2	9.2#





#89

Benzo(k)fluoranthene

Concen: 2.728 ng m

RT: 23.567 min Scan# 34

Delta R.T. -0.004 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523

Tgt Ion:252 Resp: 1480

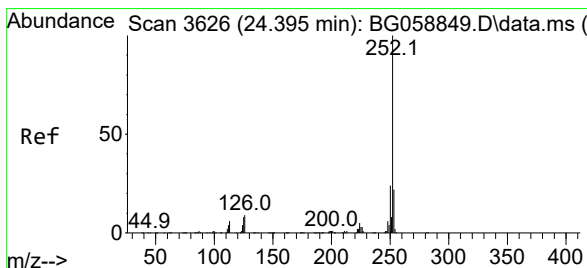
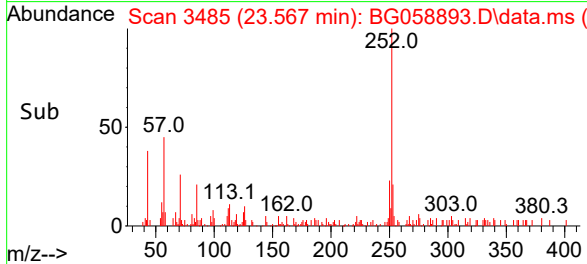
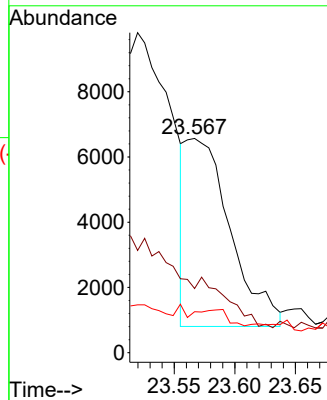
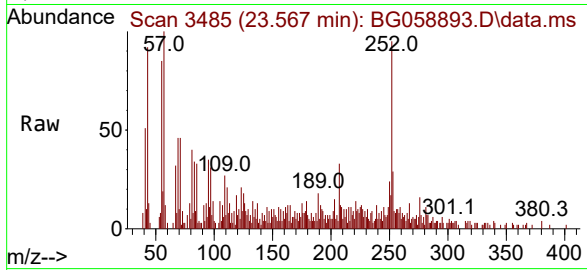
Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.6	26.4
125	19.1	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#90

Benzo(a)pyrene

Concen: 4.280 ng

RT: 24.336 min Scan# 3616

Delta R.T. 0.002 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Tgt Ion:252 Resp: 22185

Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.5	26.3
125	12.4	6.8	10.2

