

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057892.D
 Acq On : 28 Jun 2023 14:32
 Operator : CG/JU
 Sample : 03409-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OE-1-062323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 17:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	66699	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	270864	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	163373	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	344609	20.000	ng	0.00
76) Chrysene-d12	21.560	240	288644	20.000	ng	0.00
86) Perylene-d12	24.721	264	317447	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	371655	85.253	ng	0.00
7) Phenol-d6	7.089	99	509965	78.229	ng	0.00
23) Nitrobenzene-d5	9.081	82	305507	55.276	ng	0.00
42) 2,4,6-Tribromophenol	16.043	330	189623	69.104	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	625652	58.441	ng	0.00
79) Terphenyl-d14	19.921	244	840523	53.088	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.357	202	135236	6.489	ng	99
78) Pyrene	19.715	202	133436	6.474	ng	98
81) Benzo(a)anthracene	21.537	228	90247m	4.518	ng	
83) Chrysene	21.602	228	86471	4.573	ng	96
88) Benzo(b)fluoranthene	23.723	252	104055	6.010	ng	# 80
89) Benzo(k)fluoranthene	23.775	252	35711m	2.041	ng	
90) Benzo(a)pyrene	24.569	252	70169	4.091	ng	# 82

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

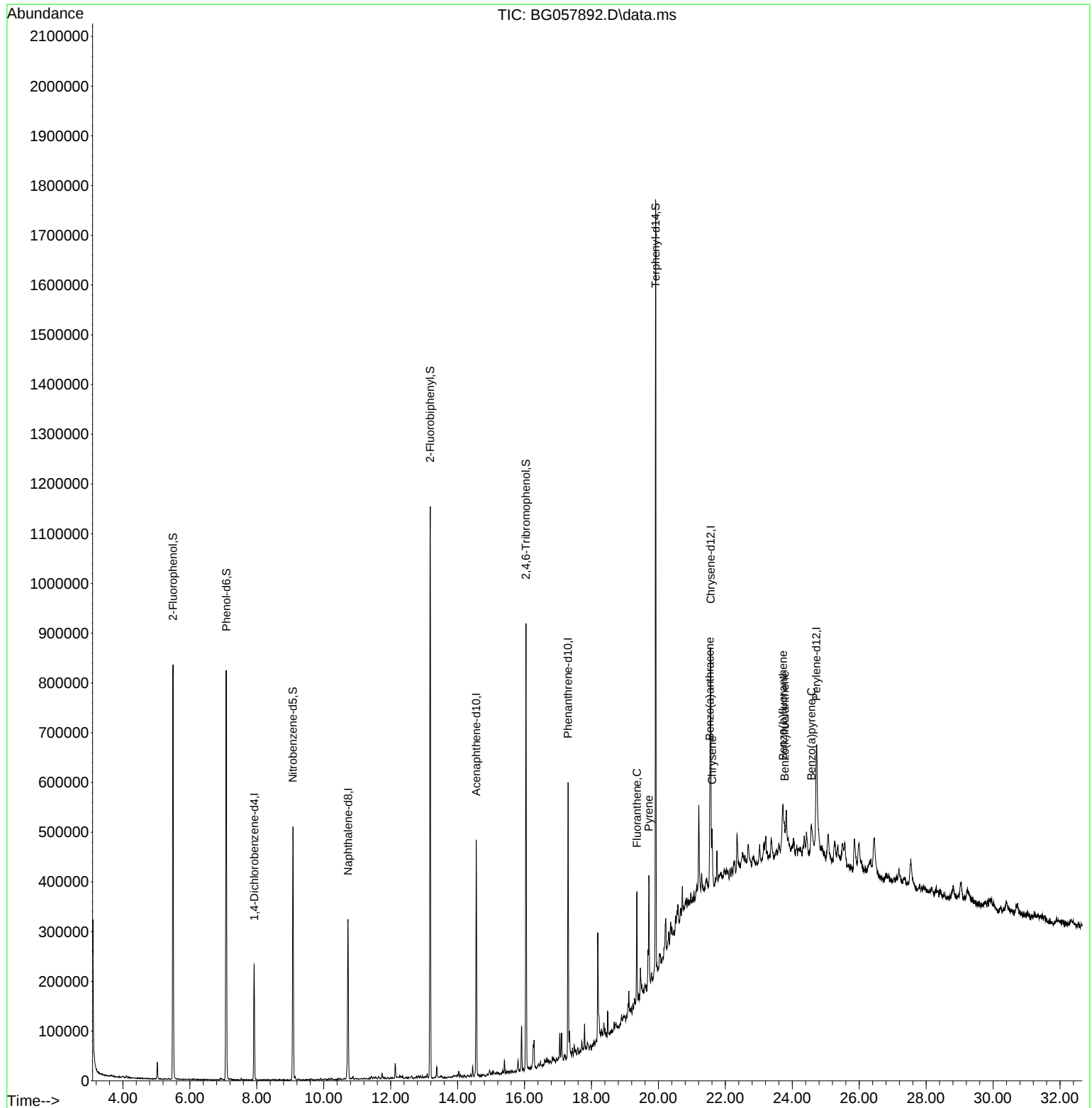
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057892.D
Acq On : 28 Jun 2023 14:32
Operator : CG/JU
Sample : 03409-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

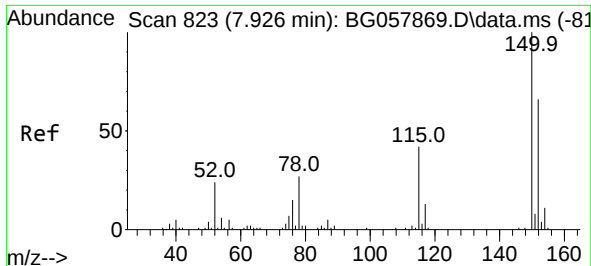
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

Manual Integrations
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Supervised By :mohammad ahmed 06/29/2023

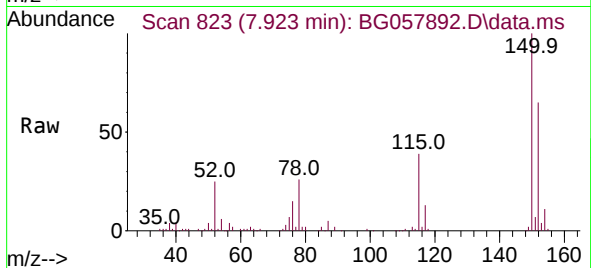
Quant Time: Jun 28 17:46:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 01:12:33 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

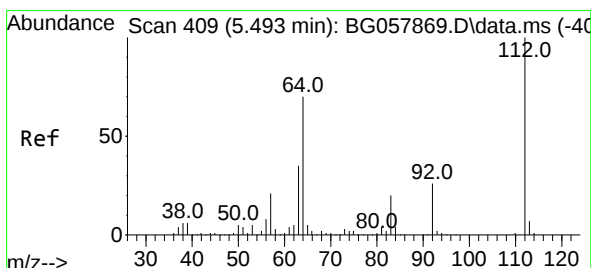
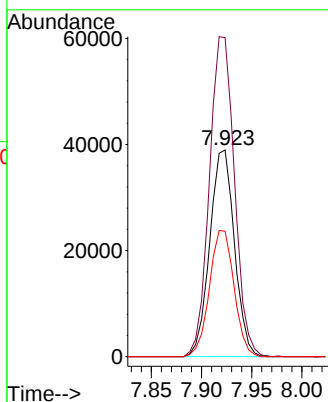
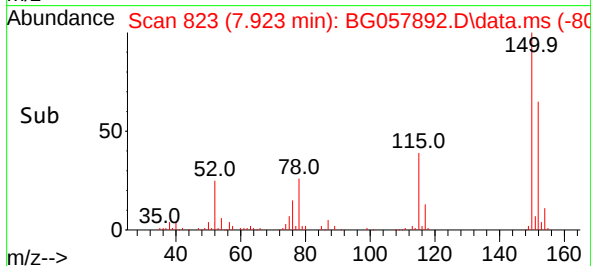
Instrument :
BNA_G
ClientSampleId :
OE-1-062323



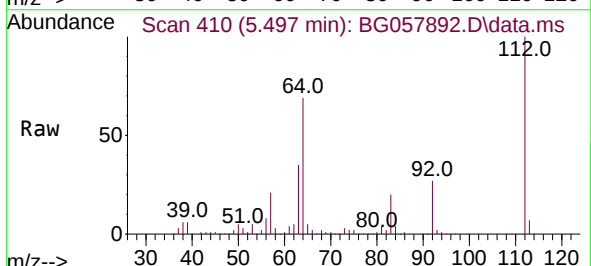
Tgt Ion:152 Resp: 66699
Ion Ratio Lower Upper
152 100
150 154.4 122.0 183.0
115 60.7 50.7 76.1

Manual Integrations
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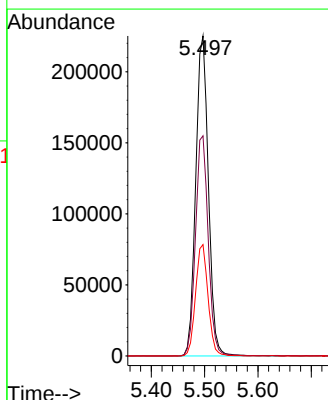
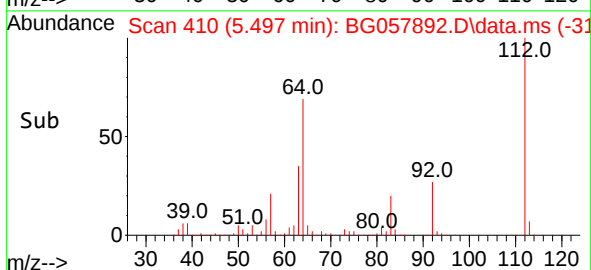
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

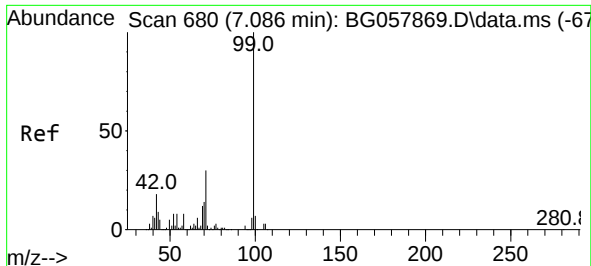


#5
2-Fluorophenol
Concen: 85.253 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32



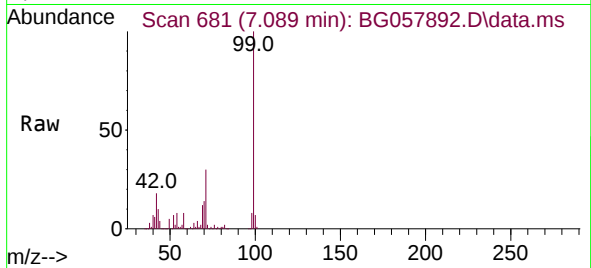
Tgt Ion:112 Resp: 371655
Ion Ratio Lower Upper
112 100
64 68.8 55.8 83.6
63 34.8 27.9 41.9





#7
Phenol-d6
Concen: 78.229 ng
RT: 7.089 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

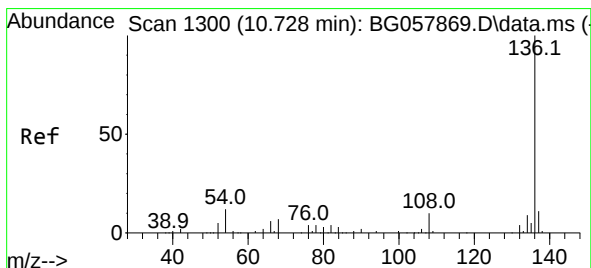
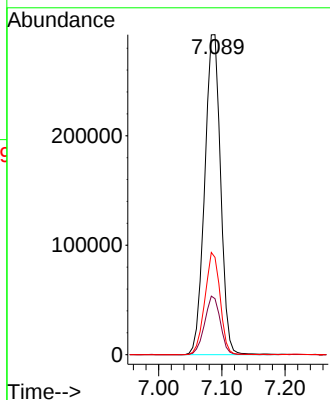
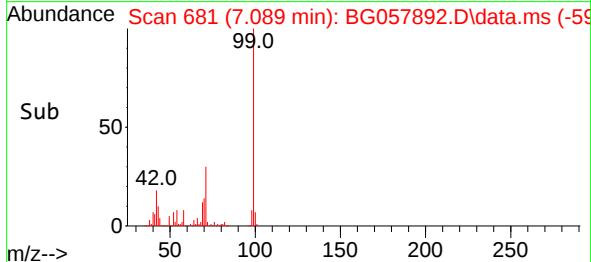
Instrument :
BNA_G
ClientSampleId :
OE-1-062323



Tgt Ion: 99 Resp: 50996
Ion Ratio Lower Upper
99 100
42 17.5 14.2 21.4
71 30.4 23.9 35.9

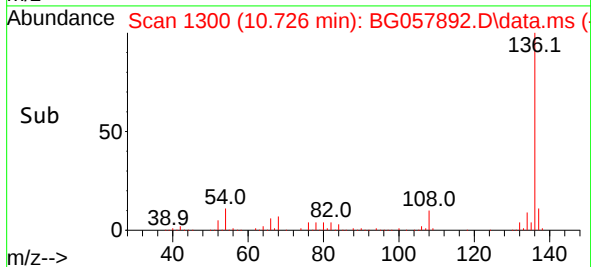
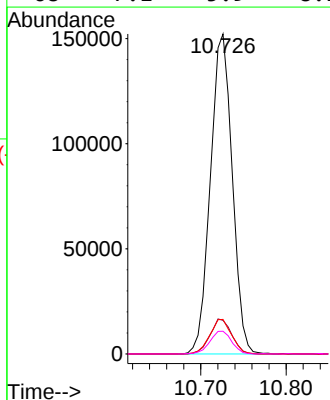
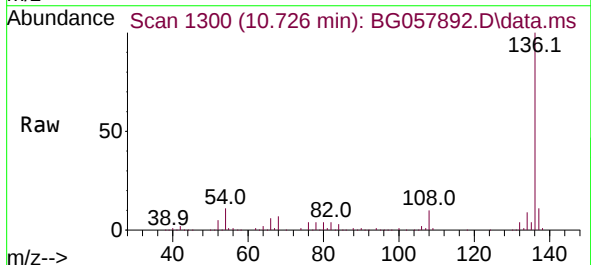
Manual Integrations
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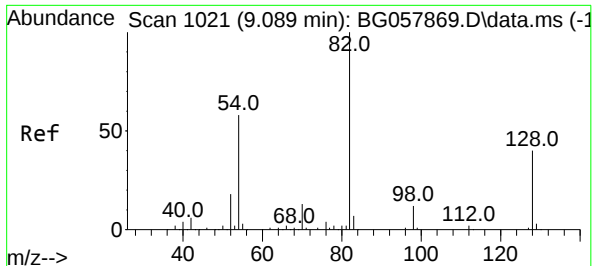
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:136 Resp: 270864
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 10.8 9.3 13.9
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 55.276 ng

RT: 9.081 min Scan# 1021

Delta R.T. -0.008 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

Tgt Ion: 82 Resp: 30550

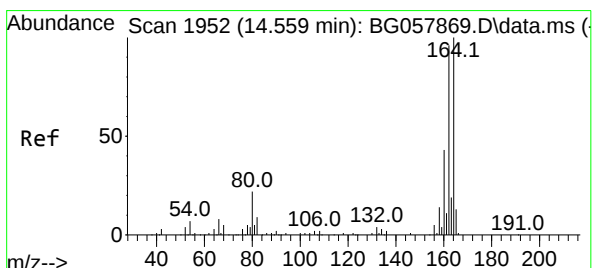
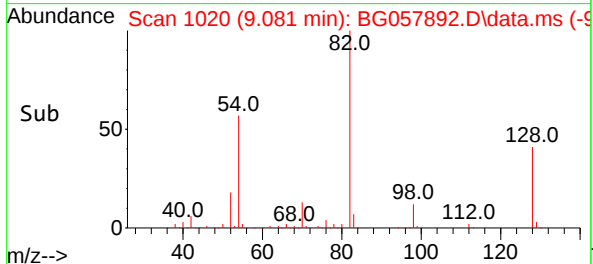
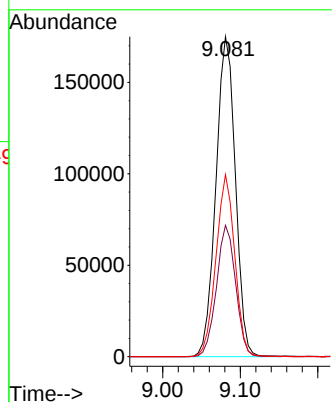
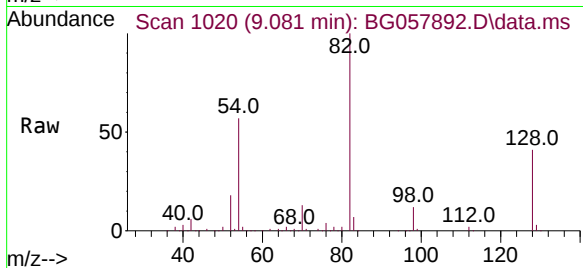
Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.2	48.4
54	56.9	46.1	69.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1952

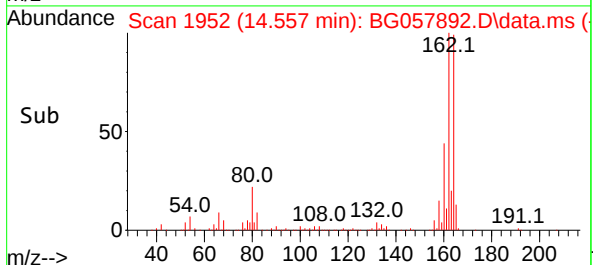
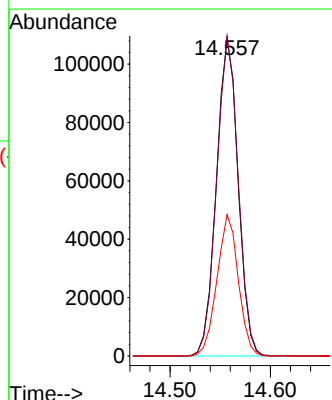
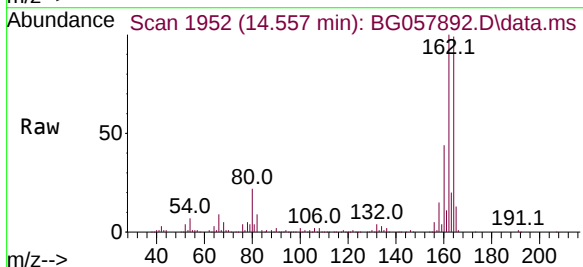
Delta R.T. -0.002 min

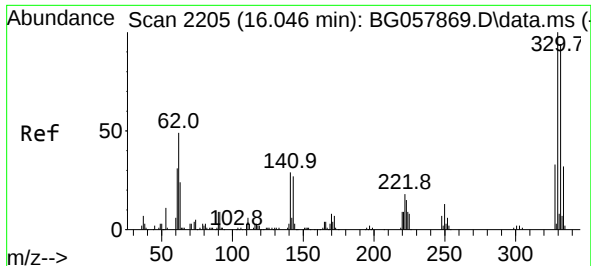
Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Tgt Ion:164 Resp: 163373

Ion	Ratio	Lower	Upper
164	100		
162	101.0	76.4	114.6
160	44.6	34.2	51.2





#42
2,4,6-Tribromophenol
Concen: 69.104 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

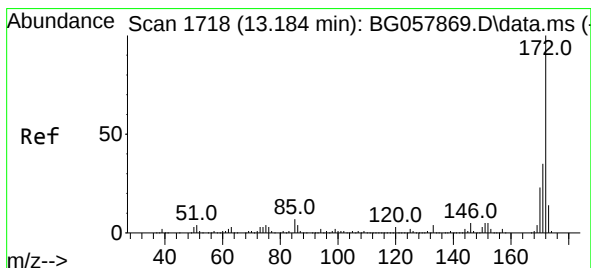
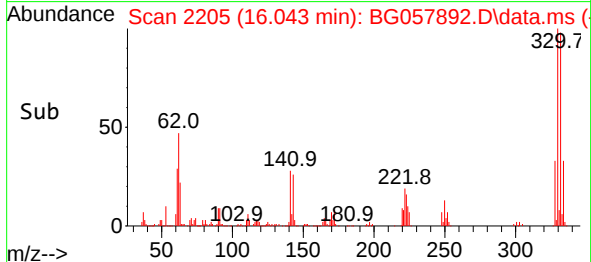
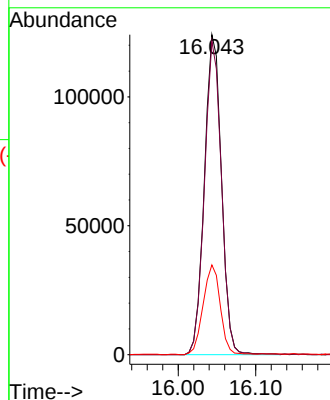
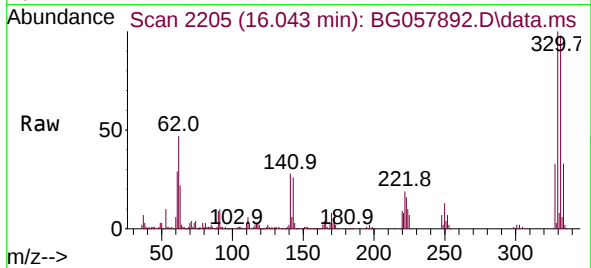
OE-1-062323

Tgt Ion:330 Resp: 18962
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 28.2 22.2 33.4

Manual Integrations

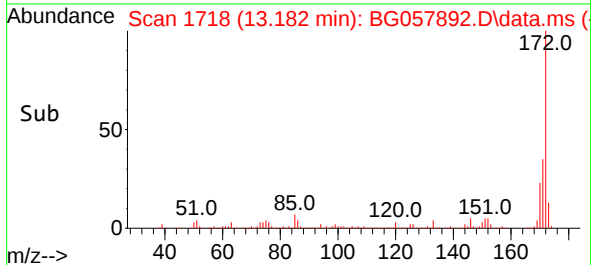
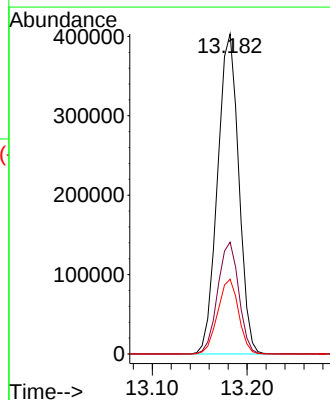
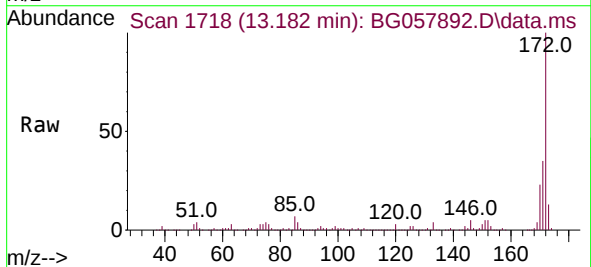
APPROVED

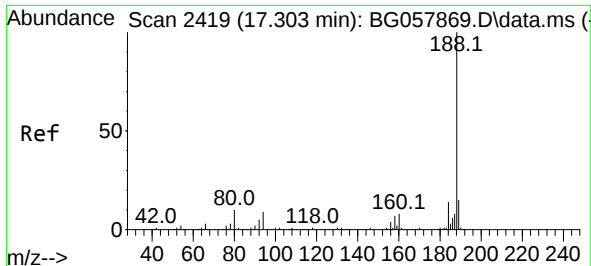
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 58.441 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:172 Resp: 625652
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.3 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

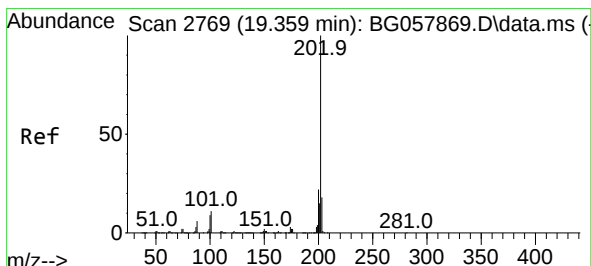
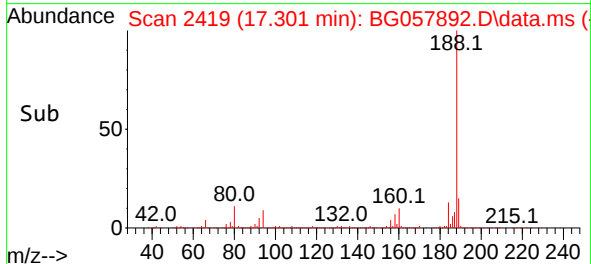
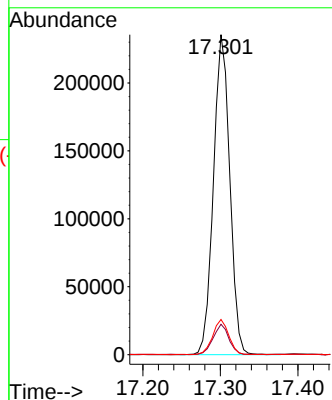
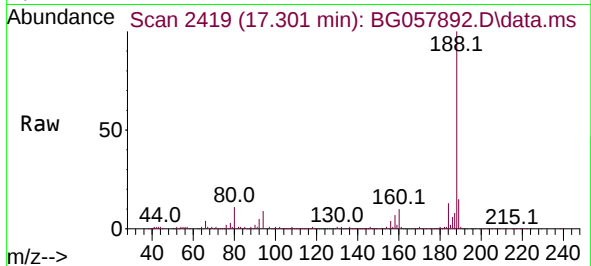
OE-1-062323

Tgt Ion:188 Resp: 344609
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 11.0 8.4 12.6

Manual Integrations

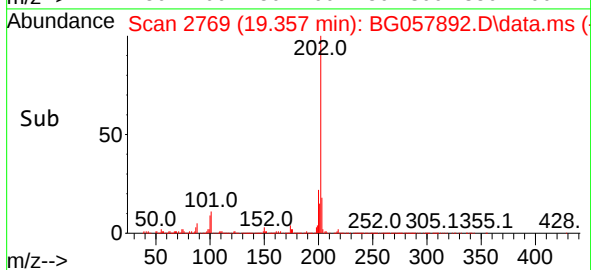
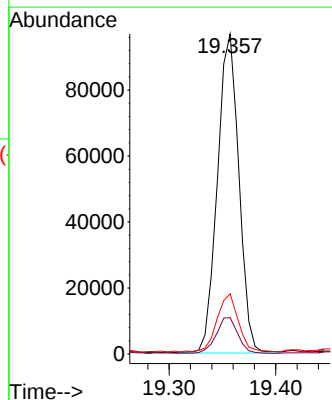
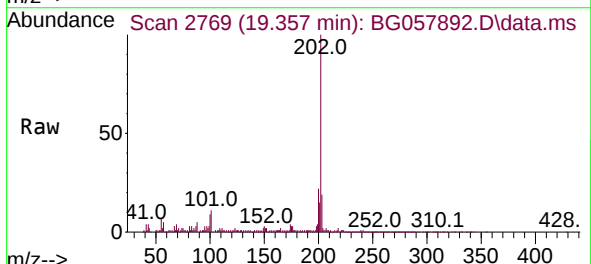
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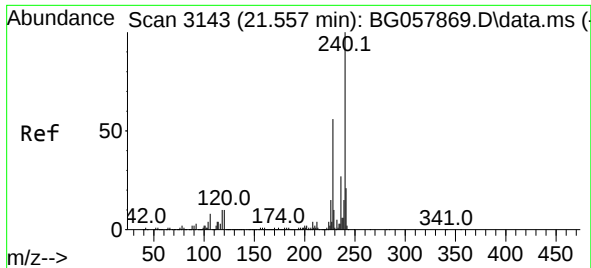
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#75
Fluoranthene
Concen: 6.489 ng
RT: 19.357 min Scan# 2769
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:202 Resp: 135236
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 18.8 0.0 38.2





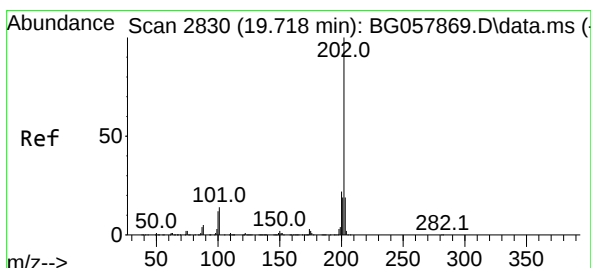
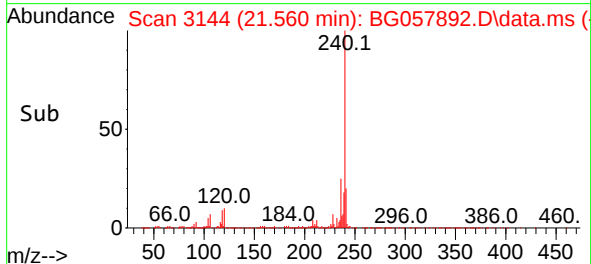
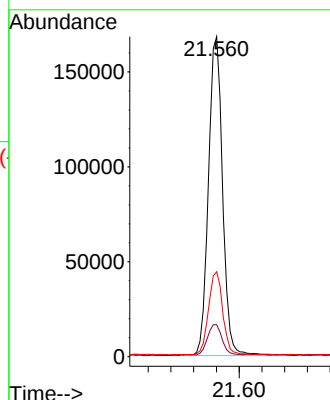
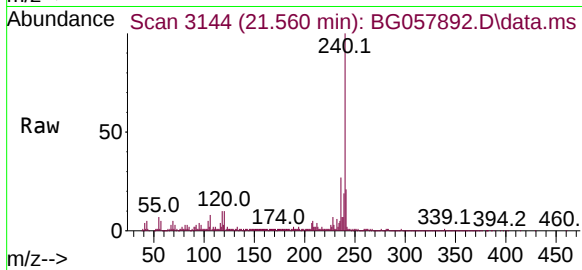
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3143
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Instrument :
BNA_G
ClientSampleId :
OE-1-062323

Tgt Ion:240 Resp: 288644
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.6 21.9 32.9

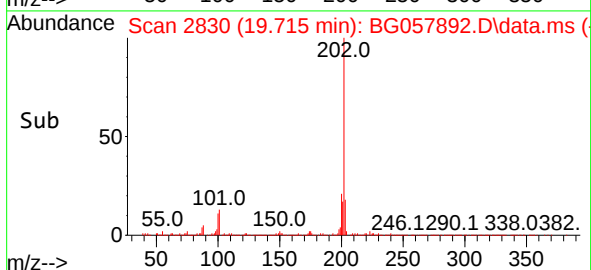
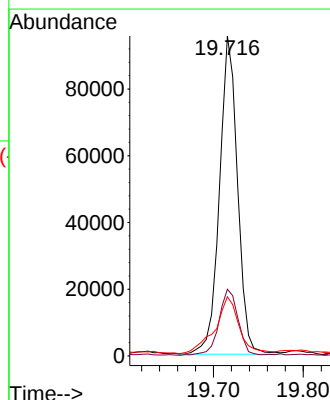
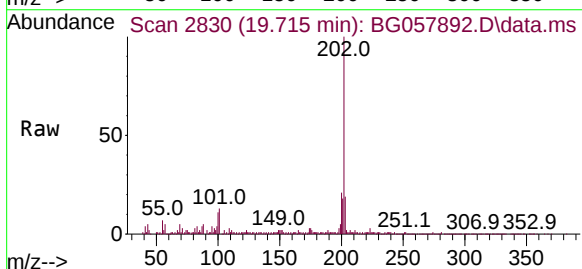
Manual Integrations
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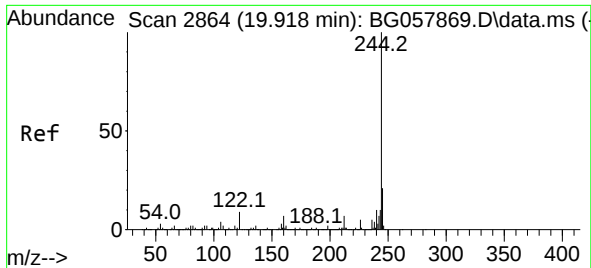
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 6.474 ng
RT: 19.715 min Scan# 2830
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:202 Resp: 133436
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 18.5 15.2 22.8





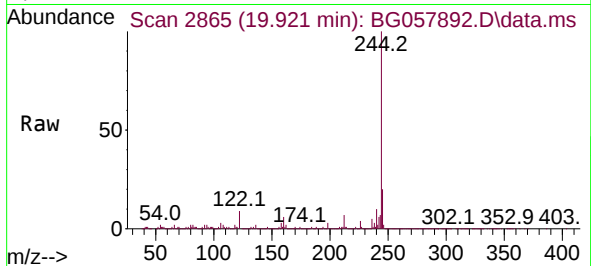
#79
 Terphenyl-d14
 Concen: 53.088 ng
 RT: 19.921 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG057892.D
 Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

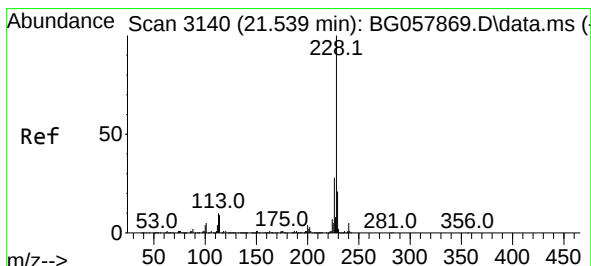
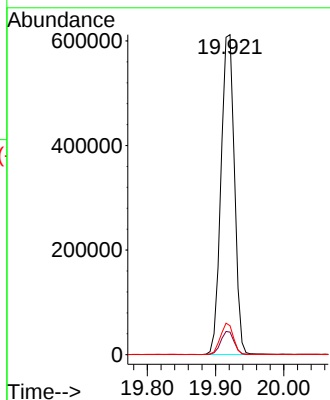
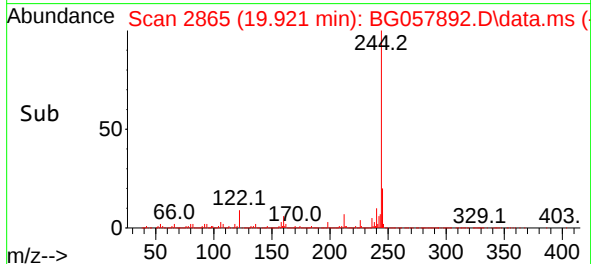


Tgt Ion:244 Resp: 84052
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 9.0 7.4 11.0

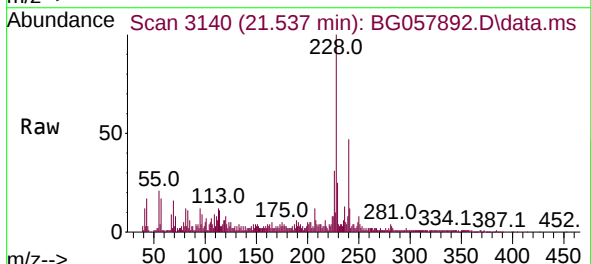
Manual Integrations

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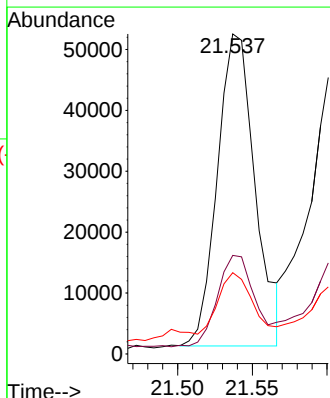
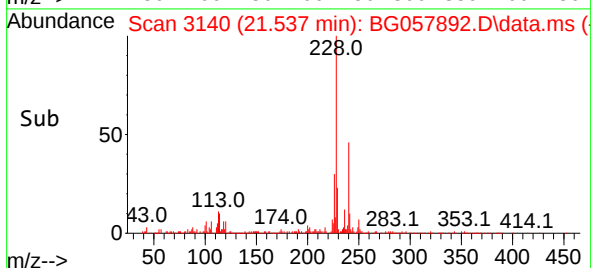
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

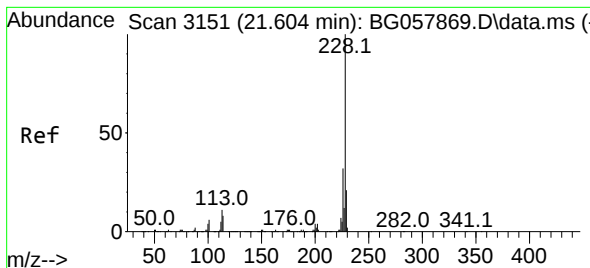


#81
 Benzo(a)anthracene
 Concen: 4.518 ng m
 RT: 21.537 min Scan# 3140
 Delta R.T. -0.002 min
 Lab File: BG057892.D
 Acq: 28 Jun 2023 14:32



Tgt Ion:228 Resp: 90247
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.7 34.1
 229 25.4 16.5 24.7#





#83

Chrysene

Concen: 4.573 ng

RT: 21.602 min Scan# 3151

Delta R.T. -0.002 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

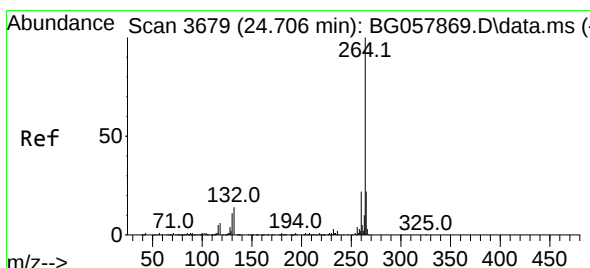
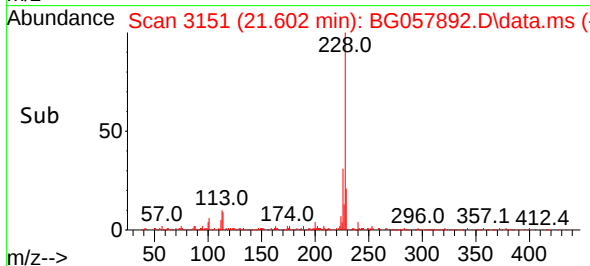
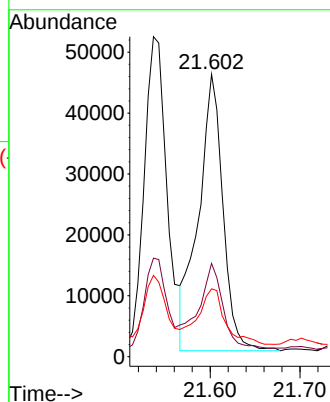
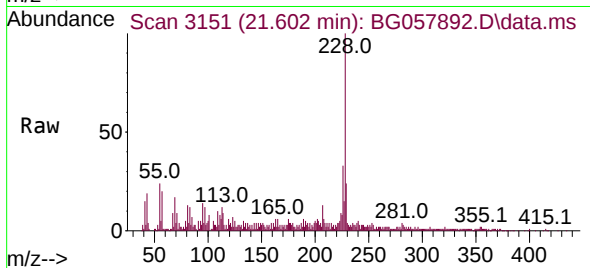
OE-1-062323

Tgt Ion:	228	Resp:	8647
Ion Ratio	Lower	Upper	
228	100		
226	33.0	25.3	37.9
229	24.0	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#86

Perylene-d12

Concen: 20.000 ng

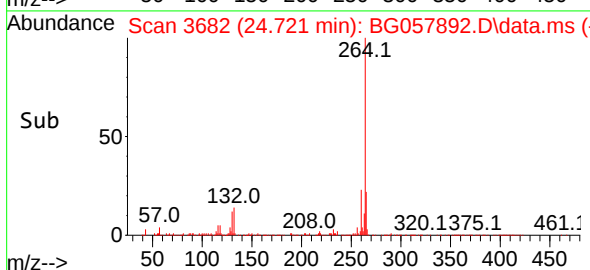
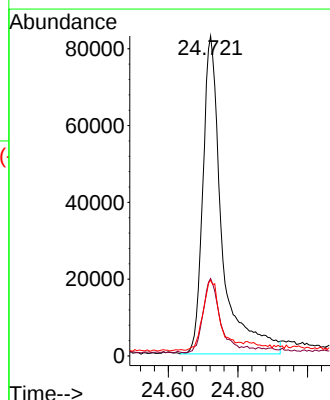
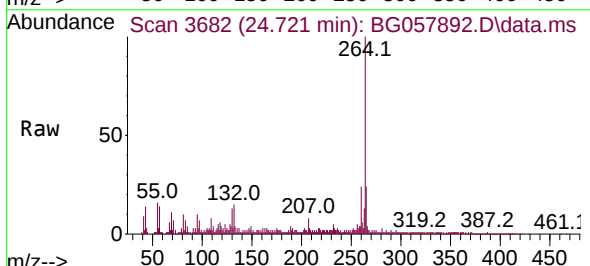
RT: 24.721 min Scan# 3682

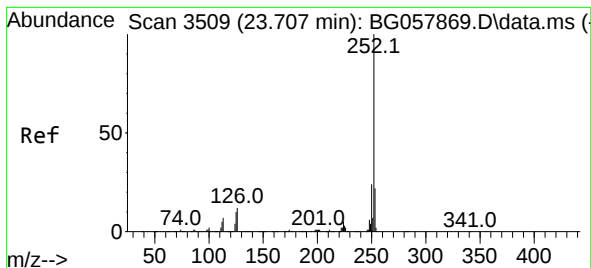
Delta R.T. 0.015 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Tgt Ion:	264	Resp:	317447
Ion Ratio	Lower	Upper	
264	100		
260	24.2	17.8	26.8
265	23.7	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 6.010 ng

RT: 23.723 min Scan# 3512

Delta R.T. 0.015 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

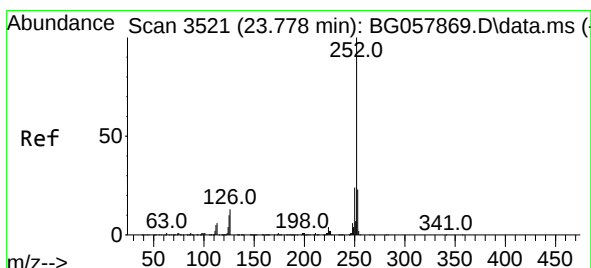
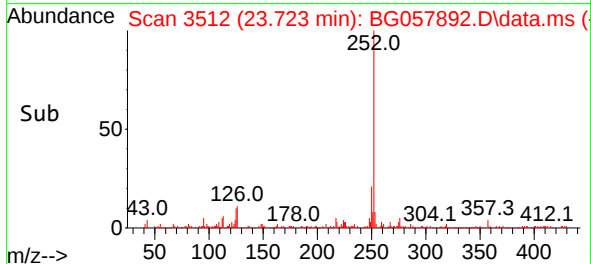
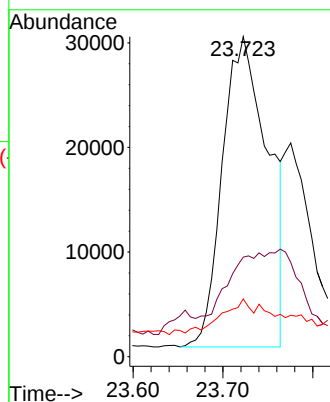
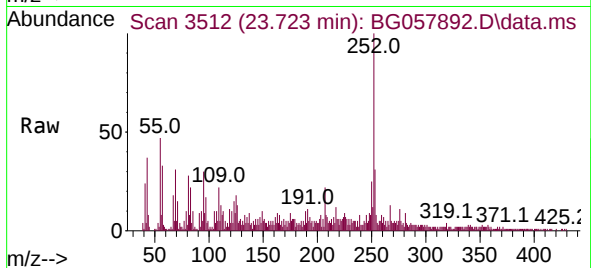
Tgt Ion:252 Resp: 10405
 Ion Ratio Lower Upper
 252 100
 253 31.1 17.7 26.5
 125 18.0 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#89

Benzo(k)fluoranthene

Concen: 2.041 ng m

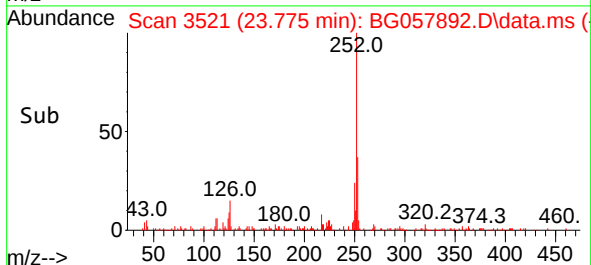
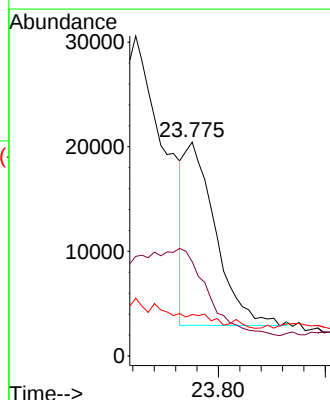
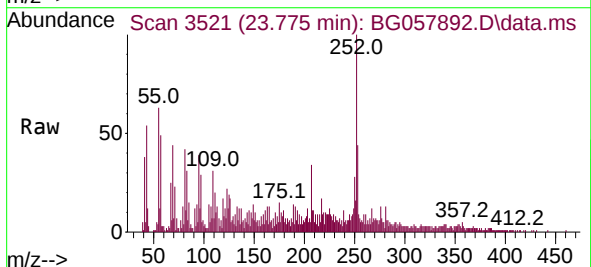
RT: 23.775 min Scan# 3521

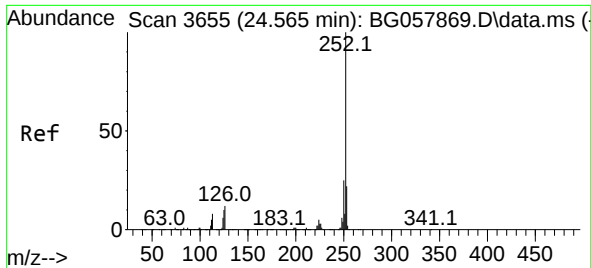
Delta R.T. -0.002 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

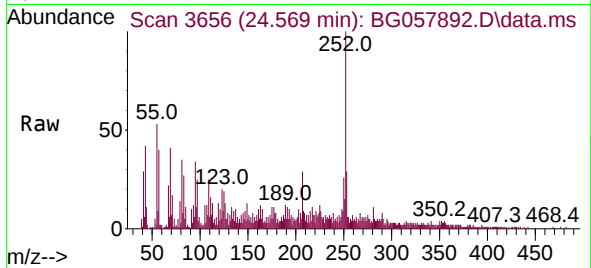
Tgt Ion:252 Resp: 35711
 Ion Ratio Lower Upper
 252 100
 253 44.1 18.1 27.1#
 125 19.4 7.8 11.6#





#90
Benzo(a)pyrene
Concen: 4.091 ng
RT: 24.569 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Instrument :
BNA_G
ClientSampleId :
OE-1-062323



Tgt Ion:252 Resp: 70169
Ion Ratio Lower Upper
252 100
253 29.1 17.7 26.5
125 19.1 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

