

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057894.D
 Acq On : 28 Jun 2023 15:54
 Operator : CG/JU
 Sample : 03415-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ESI-TP1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 06/29/2023

Supervised By :mohammad
 ahmed
 06/29/2023

Quant Time: Jun 28 17:51:38 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	7.920	152	60990	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	250979	20.000	ng	0.00
39) Acenaphthene-d10	14.560	164	153818	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	329891	20.000	ng	0.00
76) Chrysene-d12	21.557	240	271704	20.000	ng	0.00
86) Perylene-d12	24.718	264	299826	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	414132	103.889	ng	0.00
7) Phenol-d6	7.086	99	580577	97.397	ng	0.00
23) Nitrobenzene-d5	9.084	82	345223	67.410	ng	0.00
42) 2,4,6-Tribromophenol	16.046	330	232961	90.172	ng	0.00
45) 2-Fluorobiphenyl	13.185	172	707222	70.164	ng	0.00
79) Terphenyl-d14	19.918	244	964188	64.695	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.624	154	16914	2.052	ng	93
71) Phenanthrene	17.345	178	344910	21.780	ng	98
72) Anthracene	17.433	178	76078	4.658	ng	98
75) Fluoranthene	19.360	202	377988	18.947	ng	99
78) Pyrene	19.718	202	320740	16.533	ng	98
81) Benzo(a)anthracene	21.540	228	166613	8.861	ng	98
83) Chrysene	21.604	228	144495	8.119	ng	98
88) Benzo(b)fluoranthene	23.714	252	141513	8.654	ng	# 95
89) Benzo(k)fluoranthene	23.772	252	66463m	4.021	ng	
90) Benzo(a)pyrene	24.560	252	87462	5.399	ng	# 94
92) Benzo(g,h,i)perylene	29.442	276	33603m	2.052	ng	

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

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ALS Vial : 13 Sample Multiplier: 1

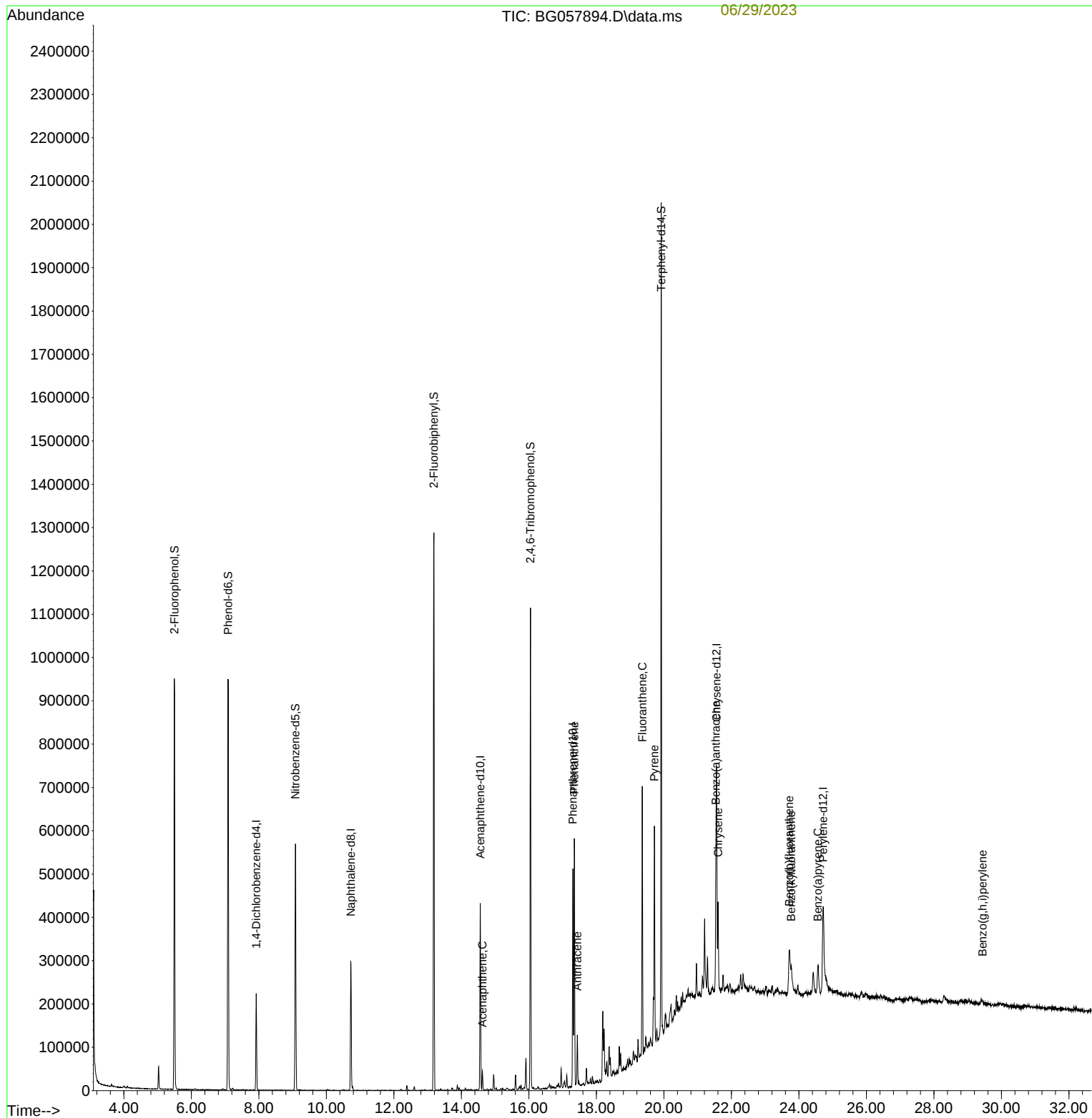
Instrument :
BNA_G
ClientSampleId :
ESII-TP1

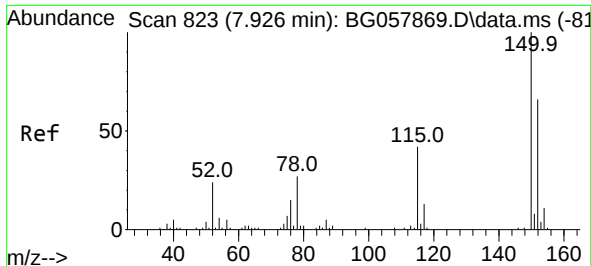
Quant Time: Jun 28 17:51:38 2023
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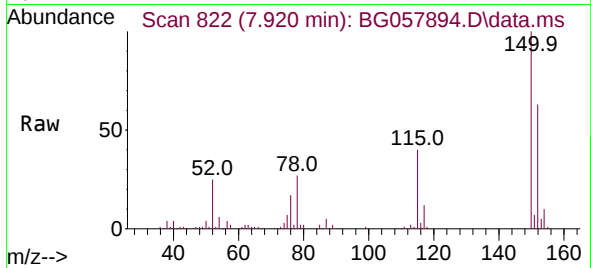
Supervised By :mohammad
ahmed
06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESI-TP1

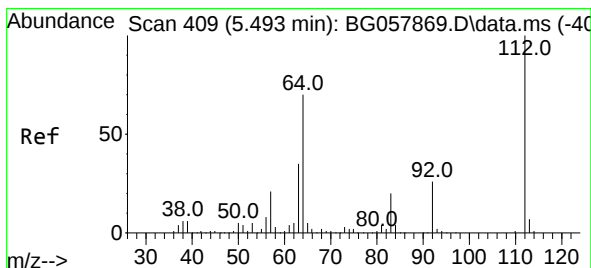
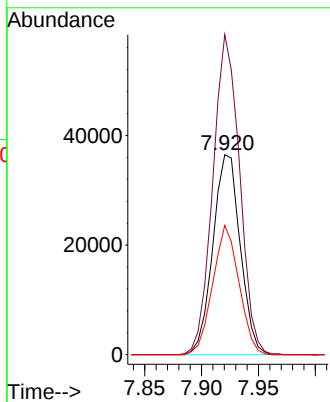
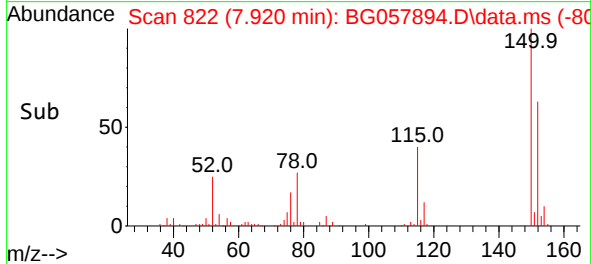


Tgt Ion:152 Resp: 60990
Ion Ratio Lower Upper
152 100
150 160.0 122.0 183.0
115 64.6 50.7 76.1

Manual Integrations
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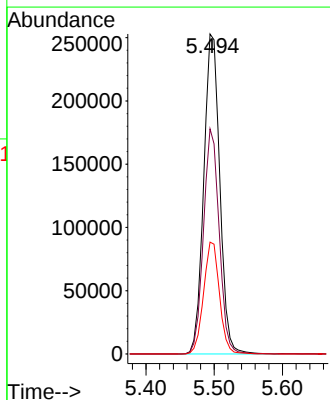
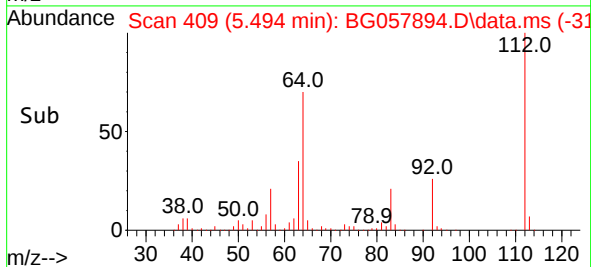
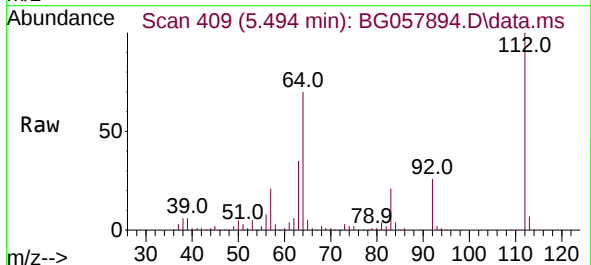
Reviewed By :Yogesh
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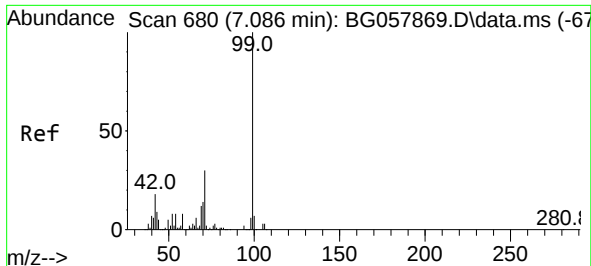
Supervised By :mohammad
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#5
2-Fluorophenol
Concen: 103.889 ng
RT: 5.494 min Scan# 409
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

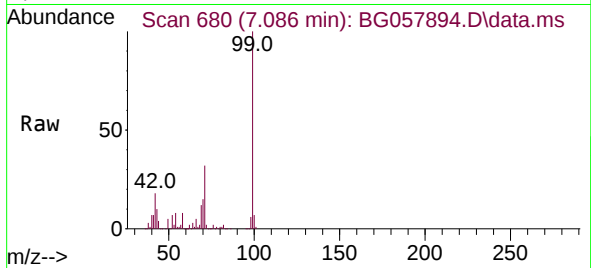
Tgt Ion:112 Resp: 414132
Ion Ratio Lower Upper
112 100
64 70.4 55.8 83.6
63 35.0 27.9 41.9





#7
Phenol-d6
Concen: 97.397 ng
RT: 7.086 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESI-TP1

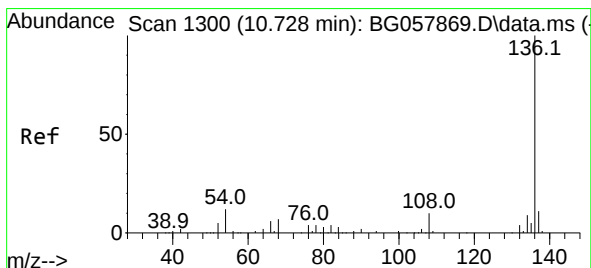
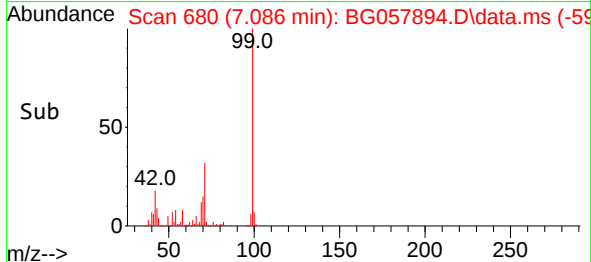
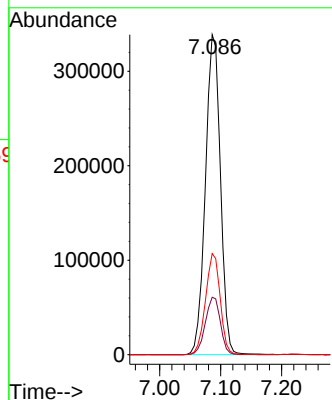


Tgt Ion:	99	Resp:	58057
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.2	21.4
71	31.6	23.9	35.9

Manual Integrations
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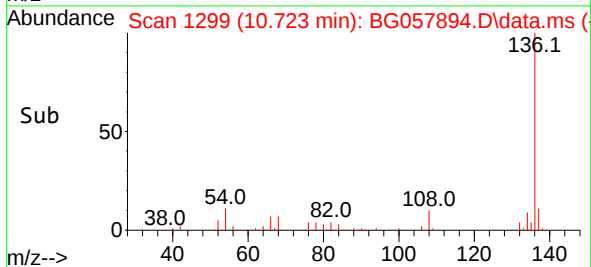
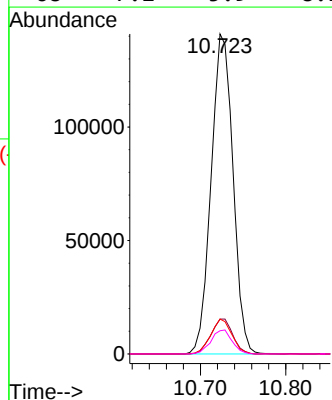
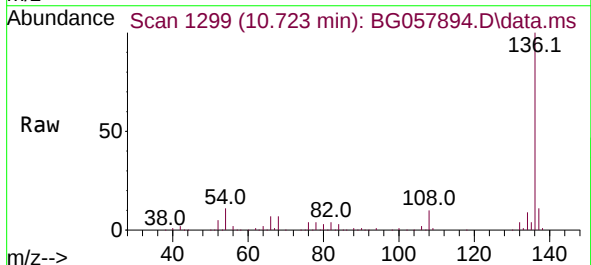
Reviewed By :Yogesh
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06/29/2023

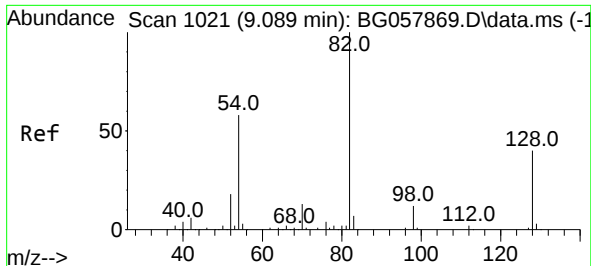
Supervised By :mohammad
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1299
Delta R.T. -0.005 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Tgt Ion:	136	Resp:	250979
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.9	9.3	13.9
68	7.2	5.9	8.9





#23

Nitrobenzene-d5

Concen: 67.410 ng

RT: 9.084 min Scan# 1021

Delta R.T. -0.005 min

Lab File: BG057894.D

Acq: 28 Jun 2023 15:54

Instrument :

BNA_G

ClientSampleId :

ESI-TP1

Tgt Ion: 82 Resp: 34522

Ion Ratio Lower Upper

82 100

128 40.4 32.2 48.4

54 56.3 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh

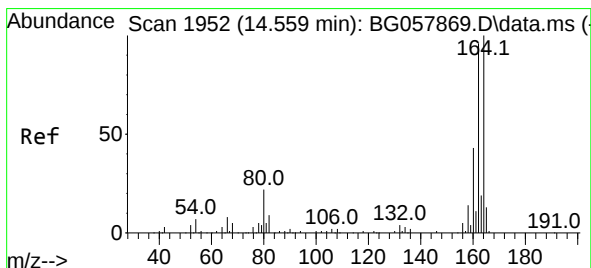
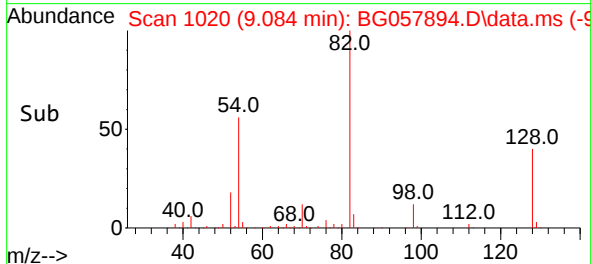
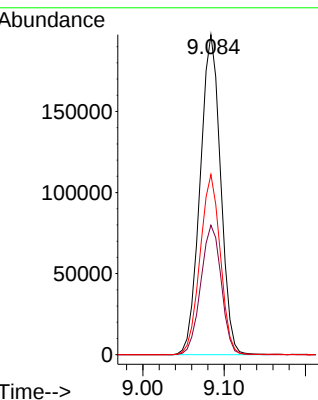
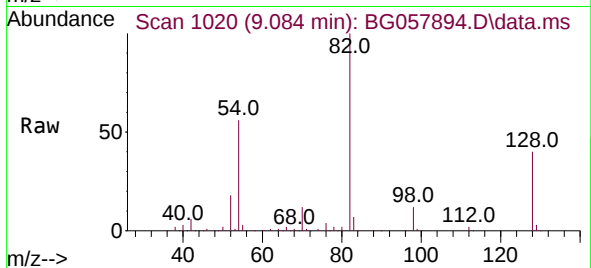
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.560 min Scan# 1952

Delta R.T. 0.000 min

Lab File: BG057894.D

Acq: 28 Jun 2023 15:54

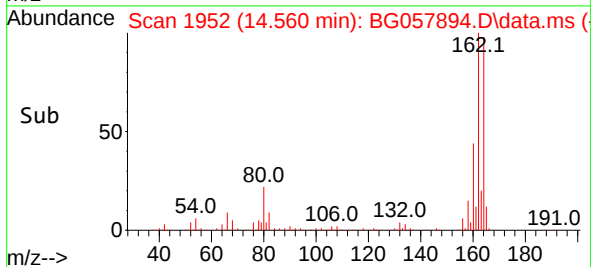
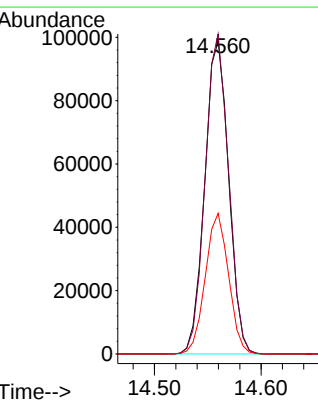
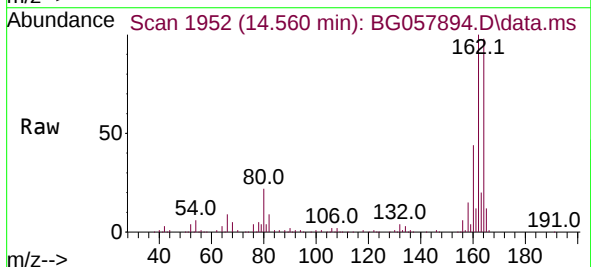
Tgt Ion:164 Resp: 153818

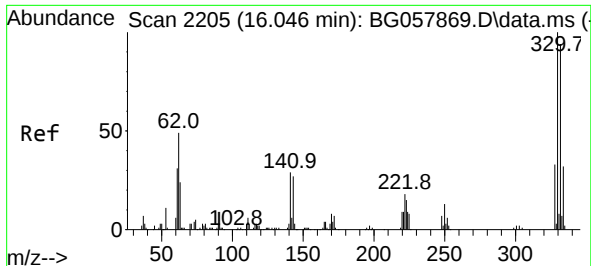
Ion Ratio Lower Upper

164 100

162 102.4 76.4 114.6

160 45.0 34.2 51.2





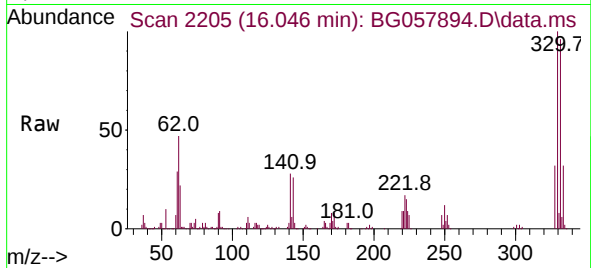
#42
2,4,6-Tribromophenol
Concen: 90.172 ng
RT: 16.046 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :

BNA_G

ClientSampleId :

ESI-TP1



Tgt Ion:330 Resp: 23296
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 27.5 22.2 33.4

Manual Integrations
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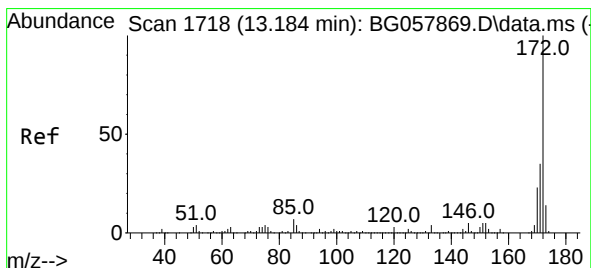
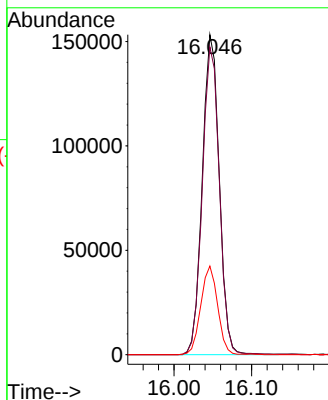
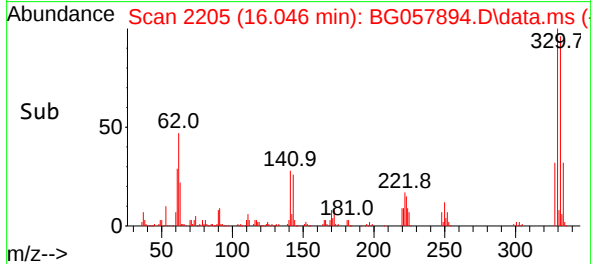
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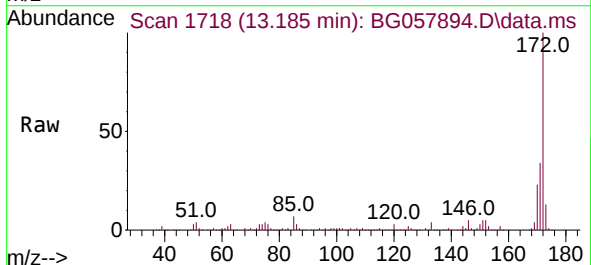
Supervised By :mohammad

ahmed

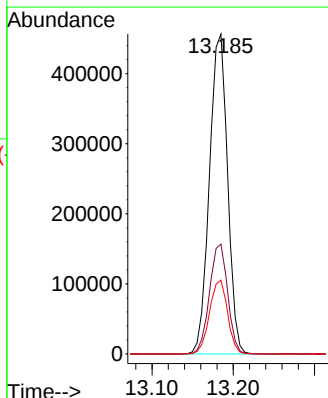
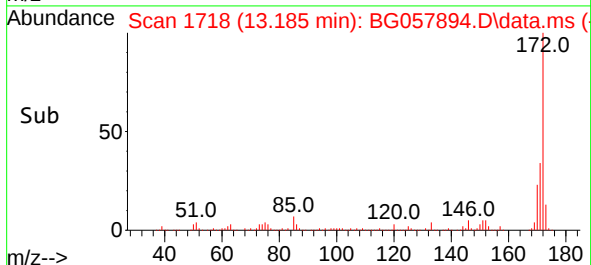
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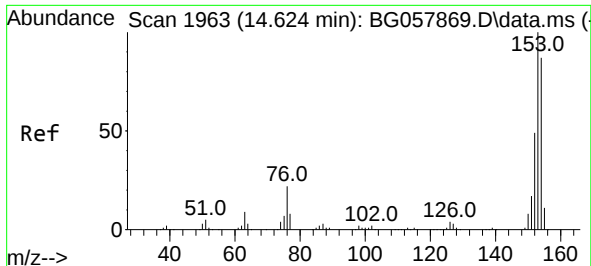


#45
2-Fluorobiphenyl
Concen: 70.164 ng
RT: 13.185 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54



Tgt Ion:172 Resp: 707222
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.0 18.6 27.8





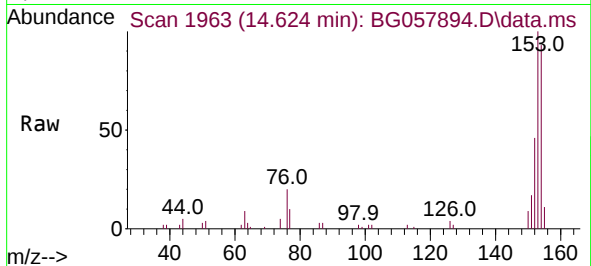
#52
Acenaphthene
Concen: 2.052 ng
RT: 14.624 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :

BNA_G

ClientSampleId :

ESI-TP1



Tgt Ion:154 Resp: 16914
Ion Ratio Lower Upper
154 100
153 107.5 91.5 137.3
152 49.0 44.6 67.0

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Reviewed By :Yogesh

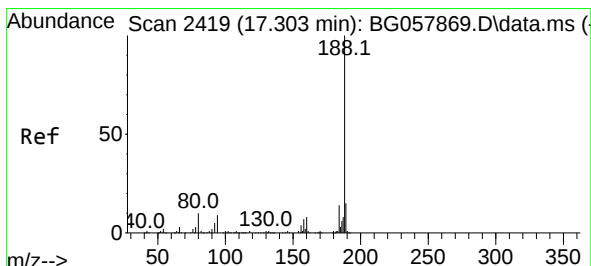
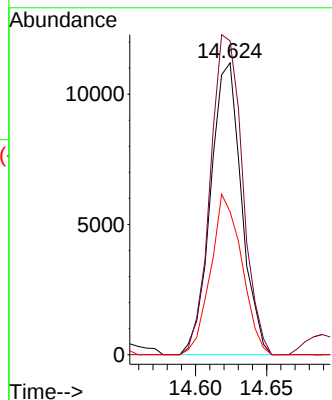
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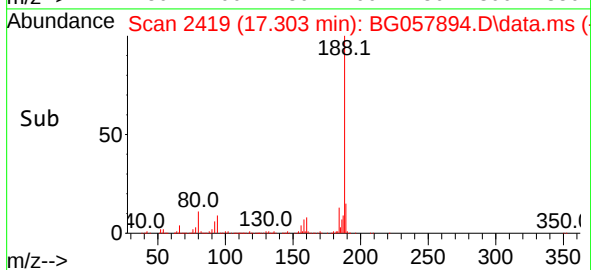
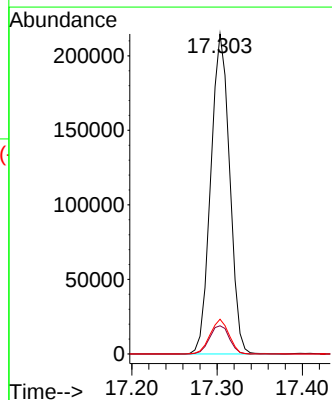
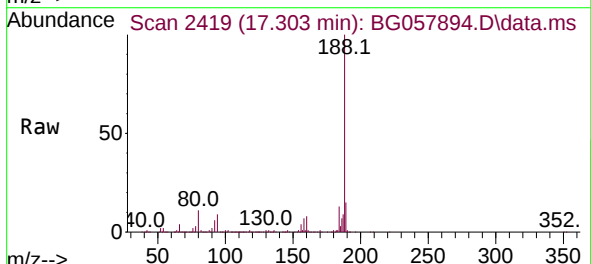
ahmed

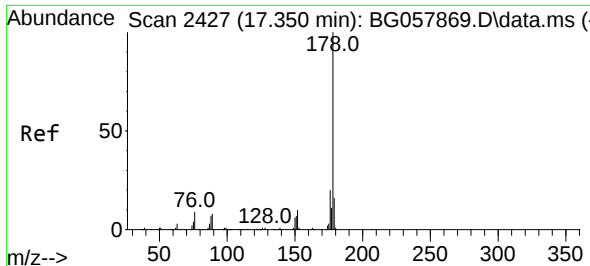
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.303 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

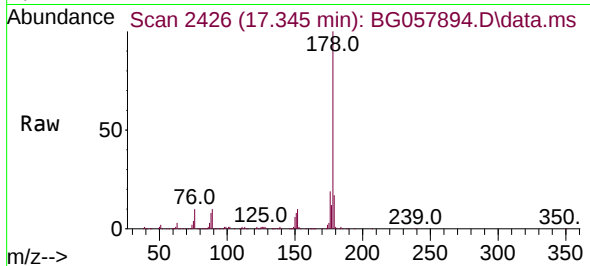
Tgt Ion:188 Resp: 329891
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 10.8 8.4 12.6





#71
Phenanthrene
Concen: 21.780 ng
RT: 17.345 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESII-TP1

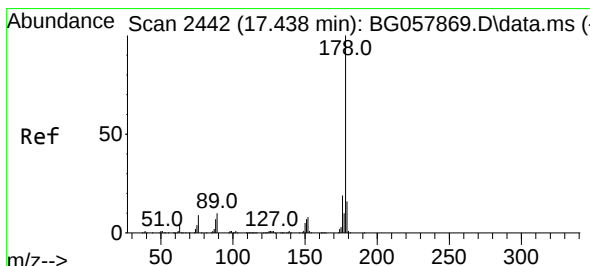
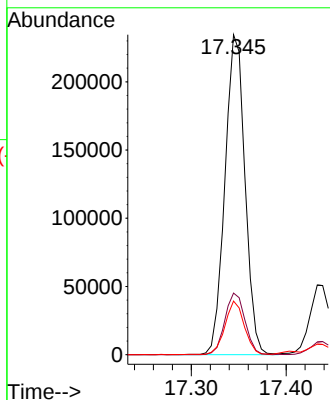
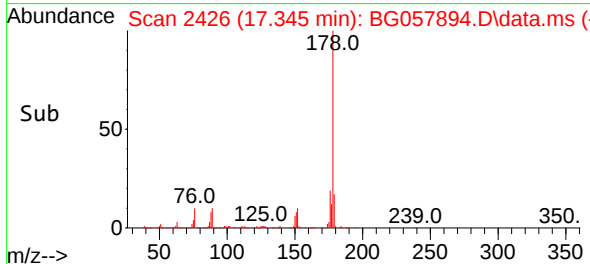


Tgt Ion:178 Resp: 344910
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 16.7 13.2 19.8

Manual Integrations
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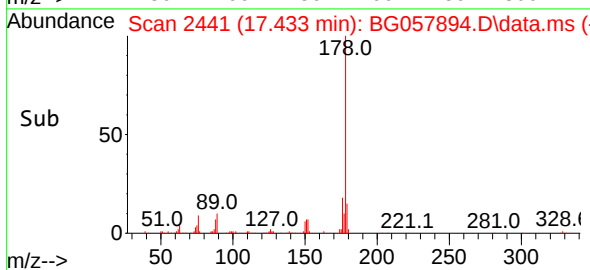
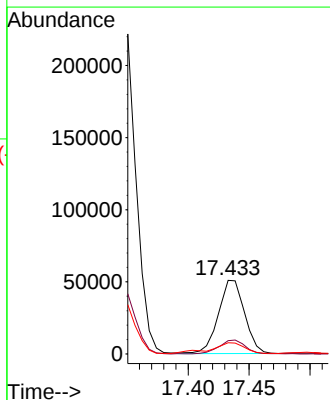
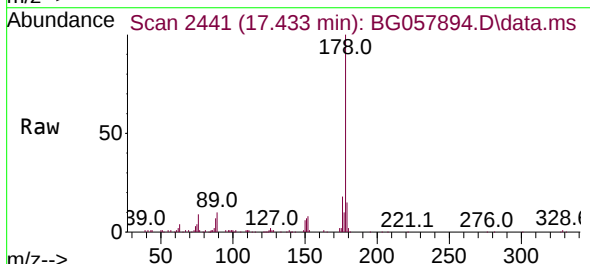
Reviewed By :Yogesh
Patel
06/29/2023

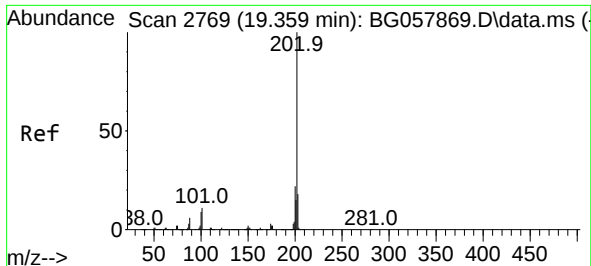
Supervised By :mohammad
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06/29/2023



#72
Anthracene
Concen: 4.658 ng
RT: 17.433 min Scan# 2441
Delta R.T. -0.005 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

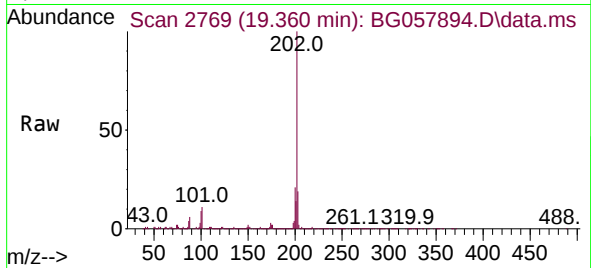
Tgt Ion:178 Resp: 76078
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 15.2 12.9 19.3





#75
Fluoranthene
Concen: 18.947 ng
RT: 19.360 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESII-TP1

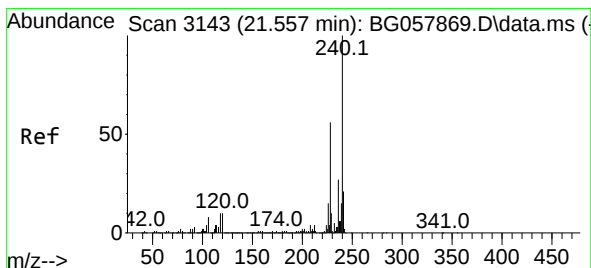
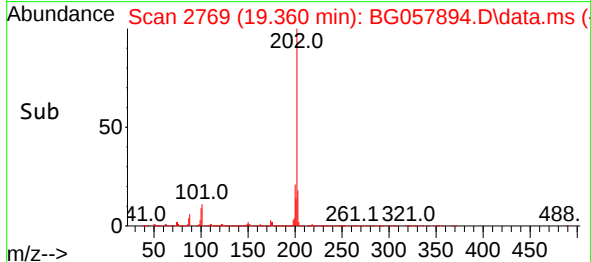
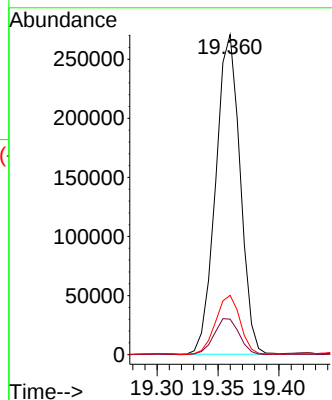


Tgt Ion:202 Resp: 37798
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 18.6 0.0 38.2

Manual Integrations
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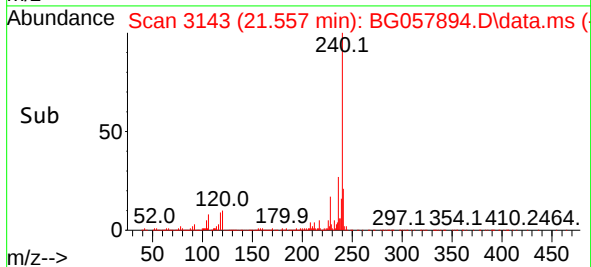
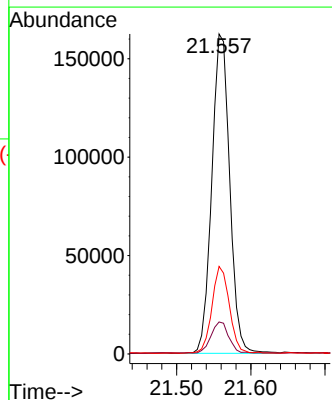
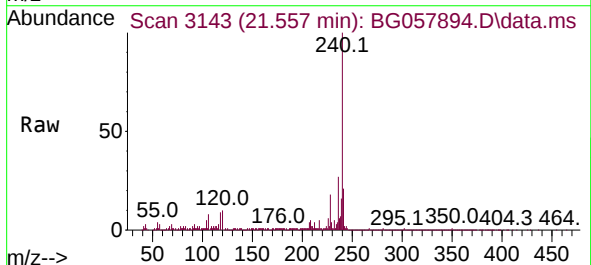
Reviewed By :Yogesh
Patel
06/29/2023

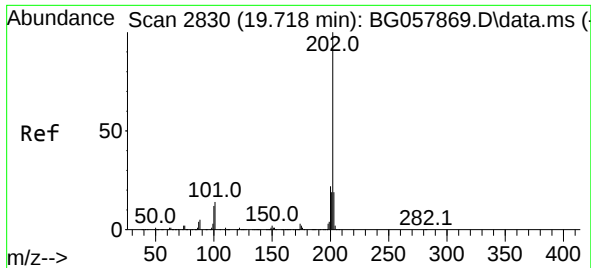
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.557 min Scan# 3143
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

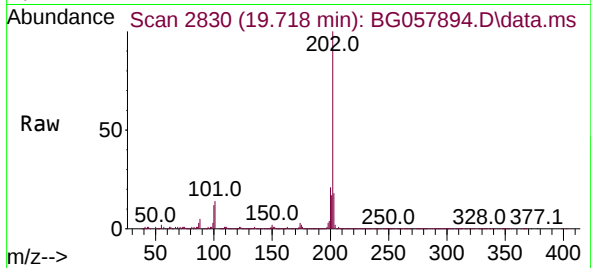
Tgt Ion:240 Resp: 271704
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.3 21.9 32.9





#78
Pyrene
Concen: 16.533 ng
RT: 19.718 min Scan# 2830
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESI-TP1

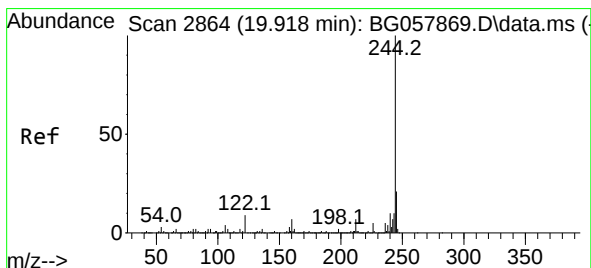
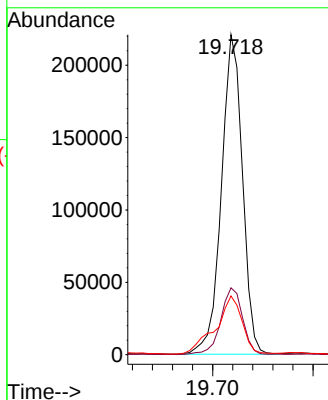
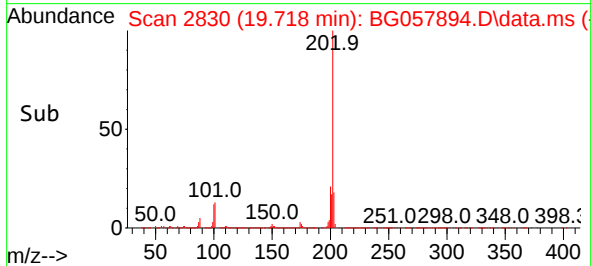


Tgt Ion:202 Resp: 320740
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 18.3 15.2 22.8

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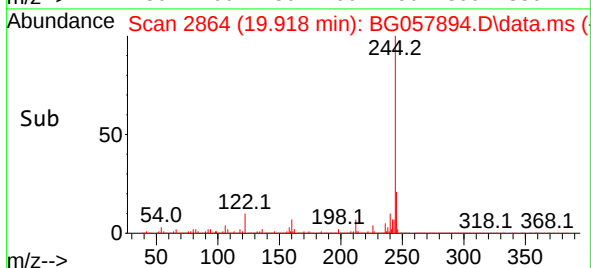
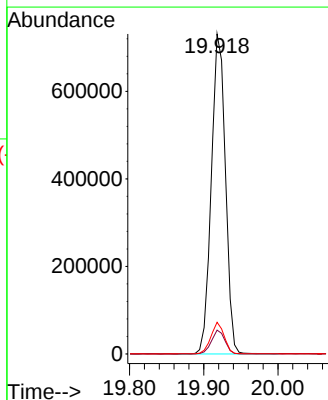
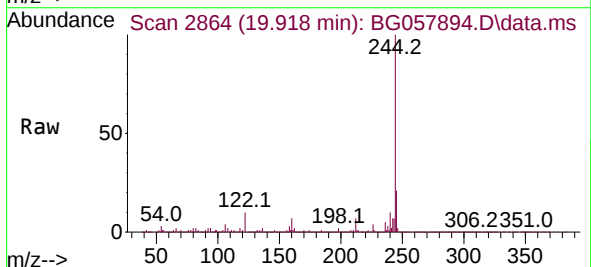
Reviewed By :Yogesh
Patel
06/29/2023

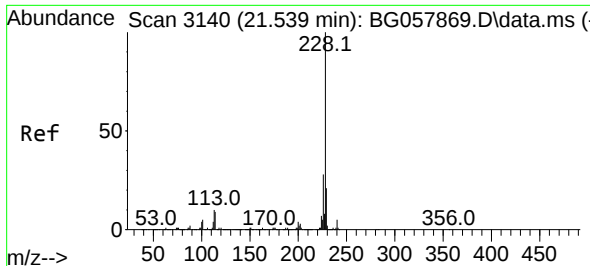
Supervised By :mohammad
ahmed
06/29/2023



#79
Terphenyl-d14
Concen: 64.695 ng
RT: 19.918 min Scan# 2864
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Tgt Ion:244 Resp: 964188
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.9 7.4 11.0





#81
Benzo(a)anthracene
Concen: 8.861 ng
RT: 21.540 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

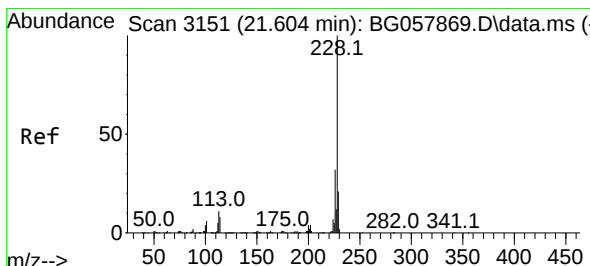
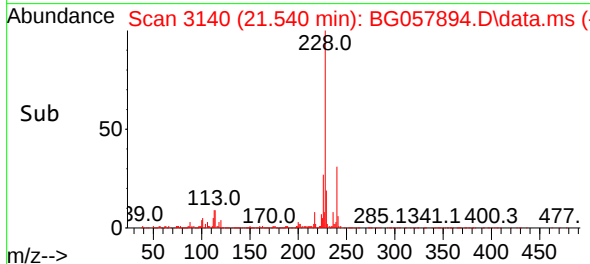
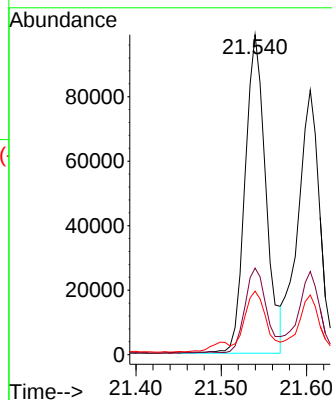
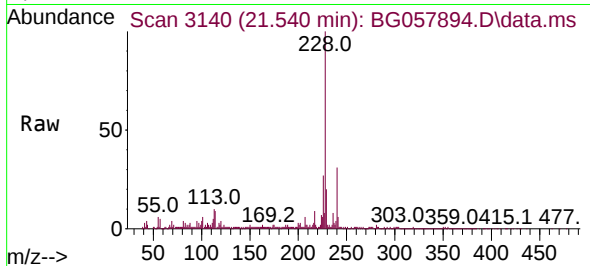
Instrument :
BNA_G
ClientSampleId :
ESI-TP1

Tgt Ion:228 Resp: 16661
Ion Ratio Lower Upper
228 100
226 27.1 22.7 34.1
229 19.8 16.5 24.7

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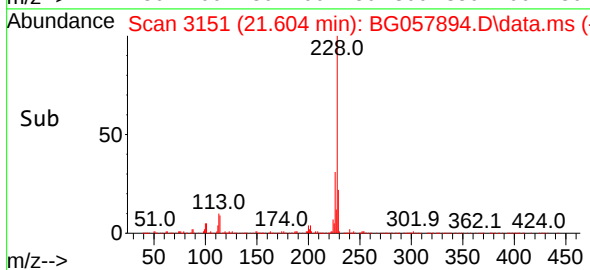
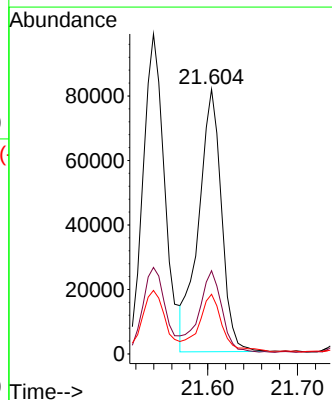
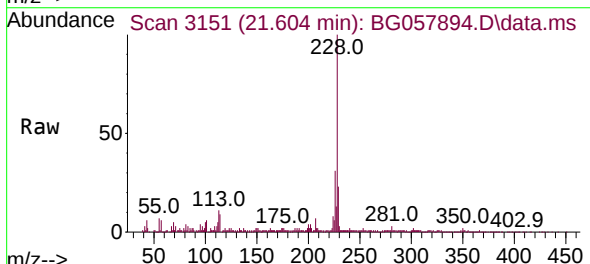
Reviewed By :Yogesh
Patel
06/29/2023

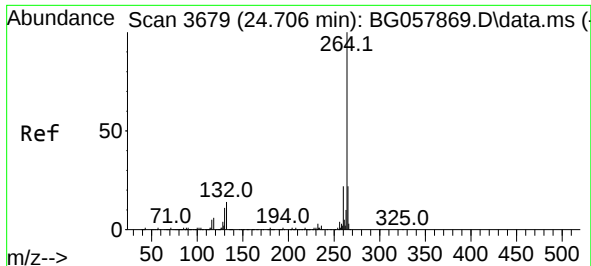
Supervised By :mohammad
ahmed
06/29/2023



#83
Chrysene
Concen: 8.119 ng
RT: 21.604 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

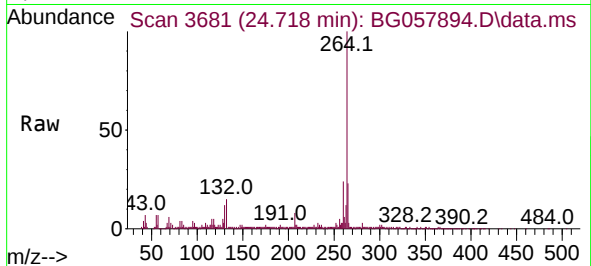
Tgt Ion:228 Resp: 144495
Ion Ratio Lower Upper
228 100
226 31.4 25.3 37.9
229 22.6 16.5 24.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.718 min Scan# 30
Delta R.T. 0.012 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESI-TP1

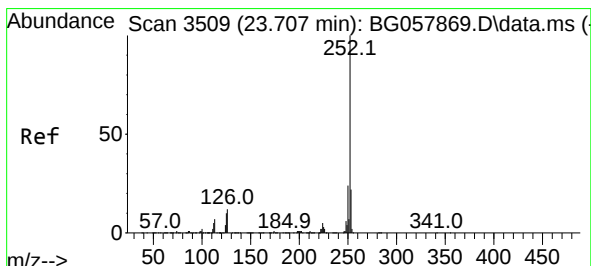
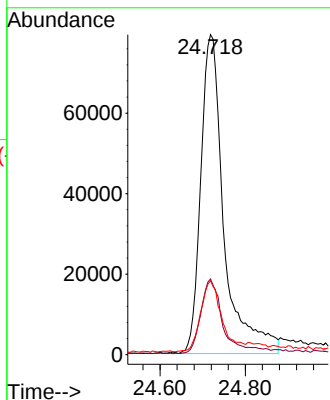
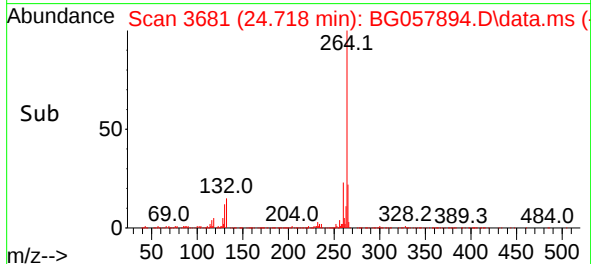


Tgt Ion:264 Resp: 299820
Ion Ratio Lower Upper
264 100
260 23.6 17.8 26.8
265 23.1 17.3 25.9

Manual Integrations
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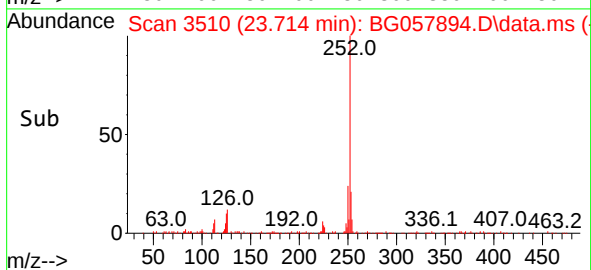
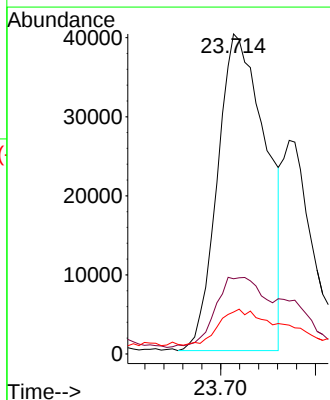
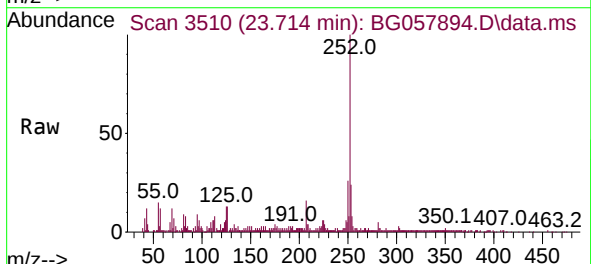
Reviewed By :Yogesh
Patel
06/29/2023

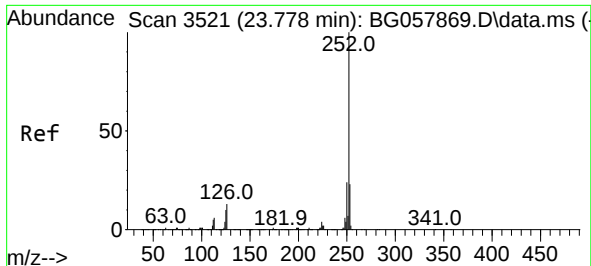
Supervised By :mohammad
ahmed
06/29/2023



#88
Benzo(b)fluoranthene
Concen: 8.654 ng
RT: 23.714 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Tgt Ion:252 Resp: 141513
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 13.1 7.7 11.5#





#89
Benzo(k)fluoranthene
Concen: 4.021 ng m
RT: 23.772 min Scan# 3520
Delta R.T. -0.005 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

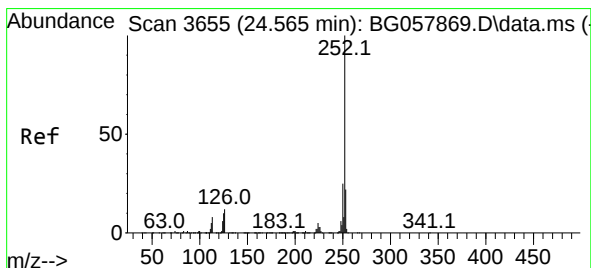
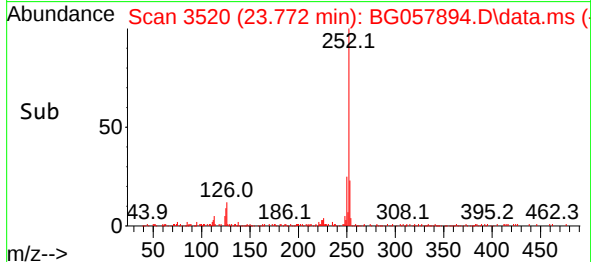
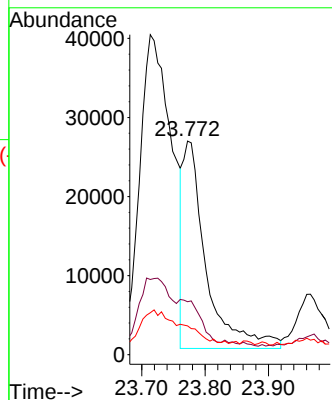
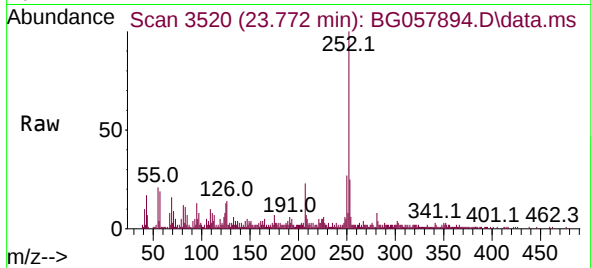
Instrument :
BNA_G
ClientSampleId :
ESI-TP1

Tgt Ion:252 Resp: 6646
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 13.5 7.8 11.6

Manual Integrations
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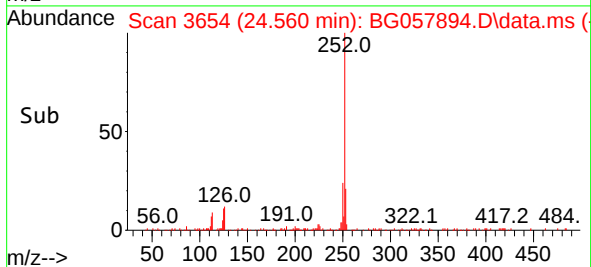
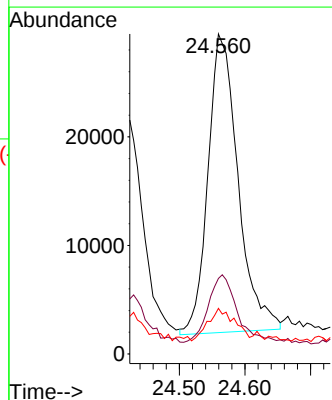
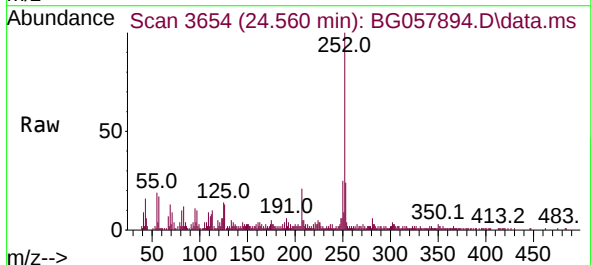
Reviewed By :Yogesh
Patel
06/29/2023

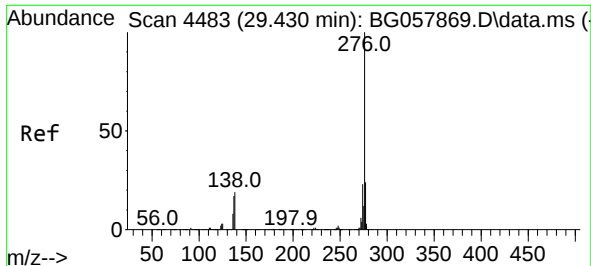
Supervised By :mohammad
ahmed
06/29/2023



#90
Benzo(a)pyrene
Concen: 5.399 ng
RT: 24.560 min Scan# 3654
Delta R.T. -0.005 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

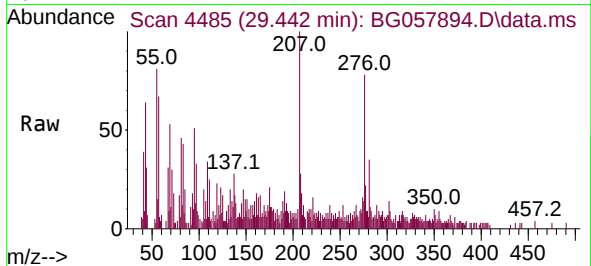
Tgt Ion:252 Resp: 87462
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 14.3 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 2.052 ng m
RT: 29.442 min Scan# 44
Delta R.T. 0.012 min
Lab File: BG057894.D
Acq: 28 Jun 2023 15:54

Instrument :
BNA_G
ClientSampleId :
ESII-TP1



Tgt Ion:276 Resp: 3360
Ion Ratio Lower Upper
276 100
277 28.7 19.4 29.2
138 22.4 15.0 22.6

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
06/29/2023

Supervised By :mohammad
ahmed
06/29/2023

