

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057914.D
 Acq On : 29 Jun 2023 21:38
 Operator : CG/JU
 Sample : 03434-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 350

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jun 30 03:45:52 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	7.911	152	54304	20.000	ng	-0.01
21) Naphthalene-d8	10.714	136	235702	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	157545	20.000	ng	-0.01
64) Phenanthrene-d10	17.294	188	343949	20.000	ng	0.00
76) Chrysene-d12	21.542	240	287389	20.000	ng	-0.01
86) Perylene-d12	24.692	264	356250	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	289499	81.566	ng	0.00
7) Phenol-d6	7.077	99	404158	76.149	ng	0.00
23) Nitrobenzene-d5	9.075	82	239921	49.885	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	166418	62.891	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	543770	52.672	ng	-0.01
79) Terphenyl-d14	19.909	244	802236	50.891	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.336	178	144892	8.776	ng	99
75) Fluoranthene	19.345	202	315001	15.144	ng	99
78) Pyrene	19.709	202	325211	15.848	ng	98
81) Benzo(a)anthracene	21.525	228	144734	7.277	ng	99
83) Chrysene	21.589	228	183198	9.732	ng	96
84) Bis(2-ethylhexyl)phtha...	21.437	149	67838	5.742	ng	99
85) Di-n-octyl phthalate	22.612	149	86838m	4.165	ng	
87) Indeno(1,2,3-cd)pyrene	28.270	276	153175	6.490	ng	95
88) Benzo(b)fluoranthene	23.693	252	239231	12.312	ng	98
89) Benzo(k)fluoranthene	23.752	252	83382m	4.246	ng	
90) Benzo(a)pyrene	24.539	252	183383	9.528	ng	96
92) Benzo(g,h,i)perylene	29.386	276	177900	9.144	ng	98

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

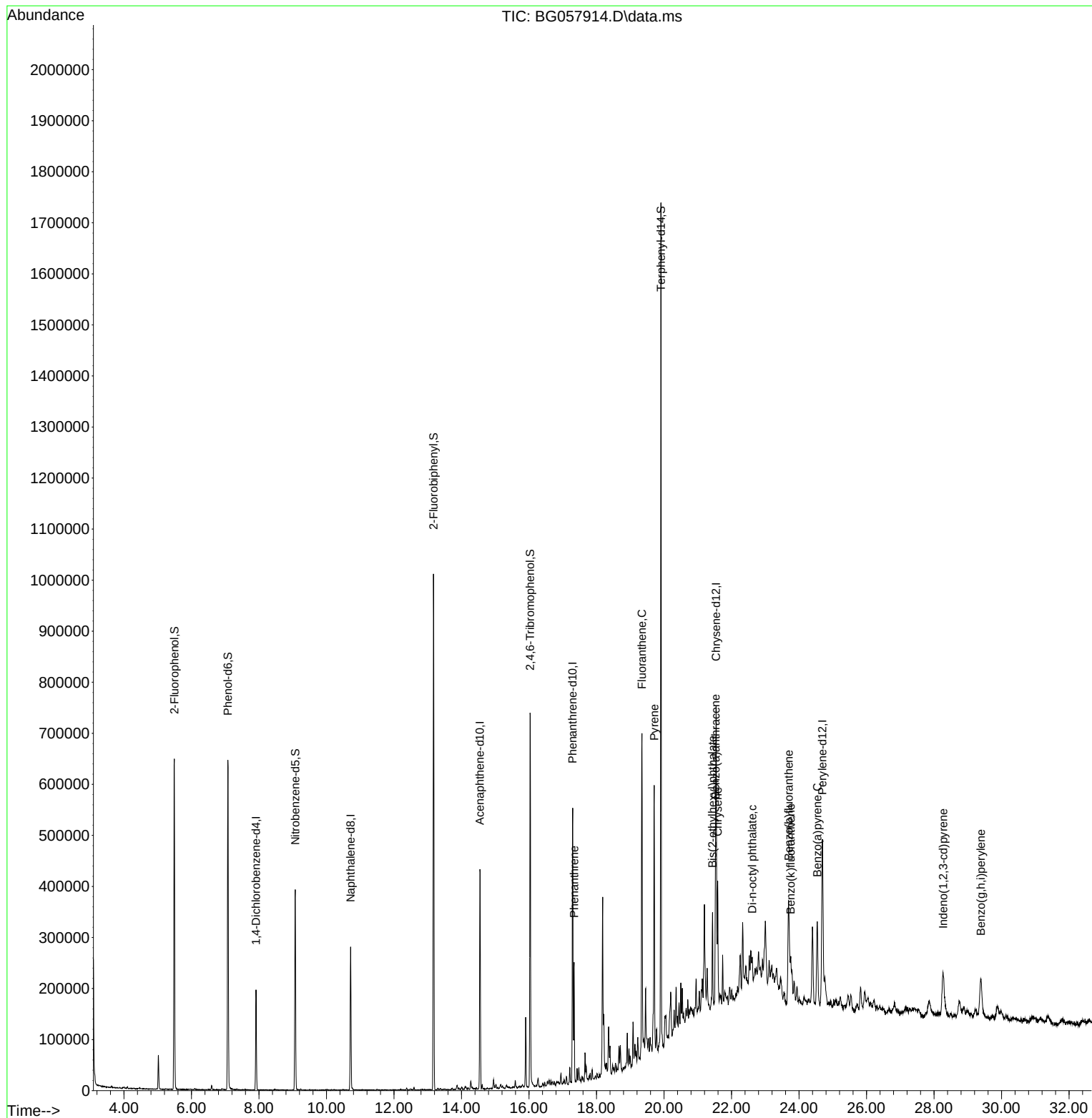
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
Data File : BG057914.D
Acq On : 29 Jun 2023 21:38
Operator : CG/JU
Sample : 03434-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

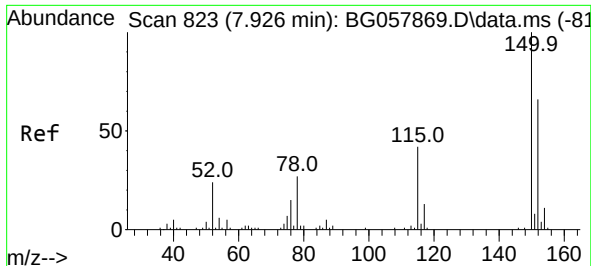
Instrument :
BNA_G
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350

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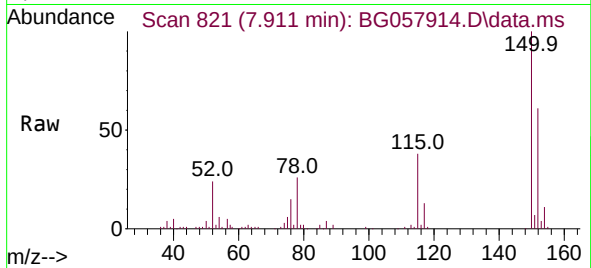
Quant Time: Jun 30 03:45:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 01:12:33 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

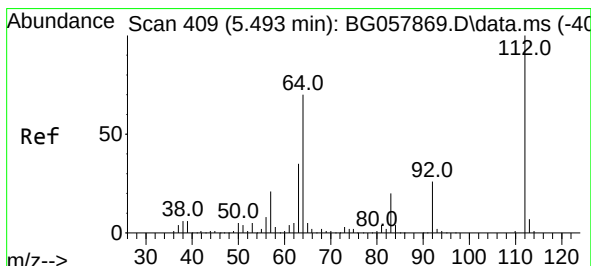
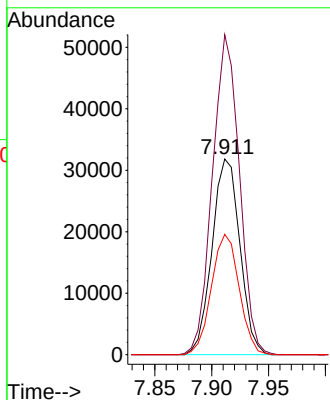
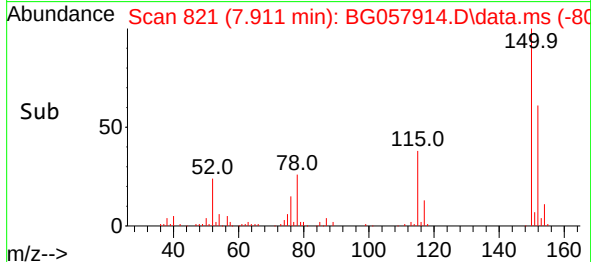
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:152 Resp: 54304
Ion Ratio Lower Upper
152 100
150 163.5 122.0 183.0
115 61.5 50.7 76.1

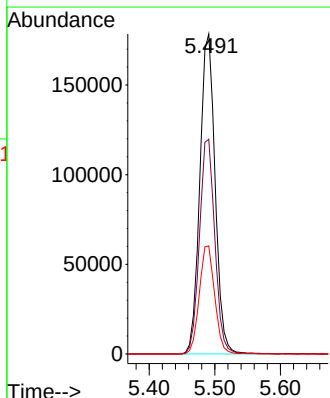
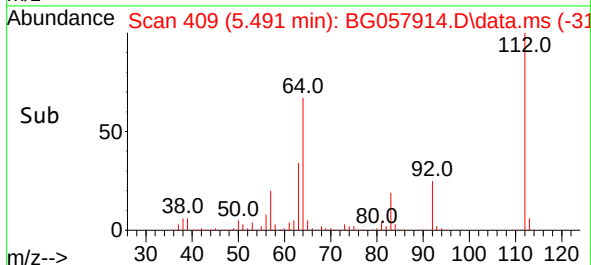
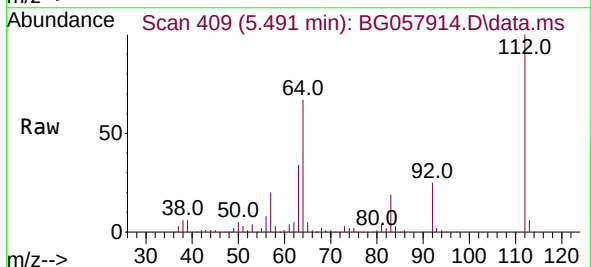
Manual Integrations
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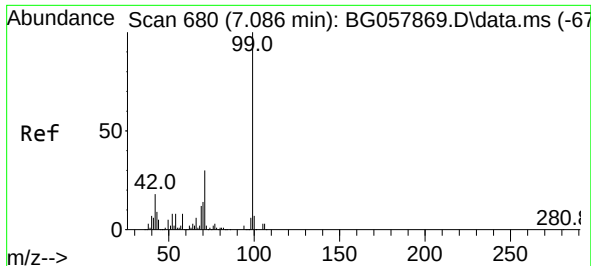
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#5
2-Fluorophenol
Concen: 81.566 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

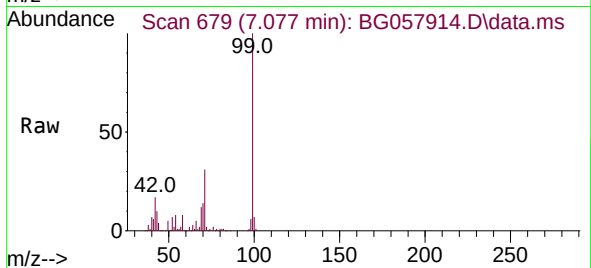
Tgt Ion:112 Resp: 289499
Ion Ratio Lower Upper
112 100
64 67.1 55.8 83.6
63 33.7 27.9 41.9





#7
Phenol-d6
Concen: 76.149 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

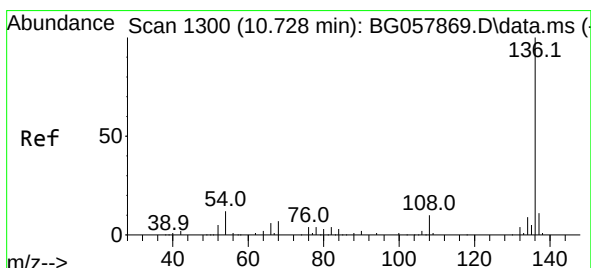
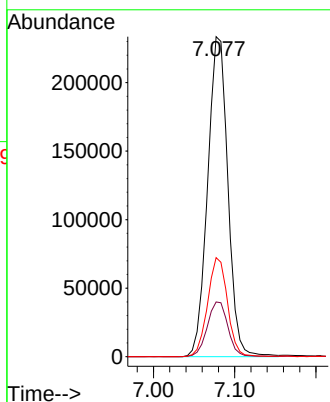
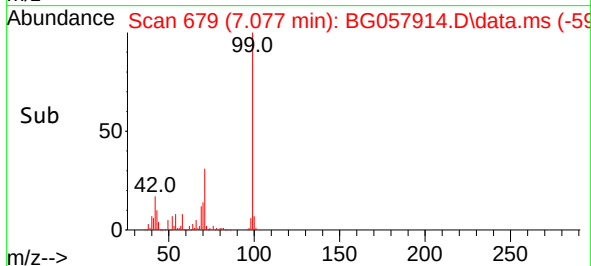
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion: 99 Resp: 404158
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 31.0 23.9 35.9

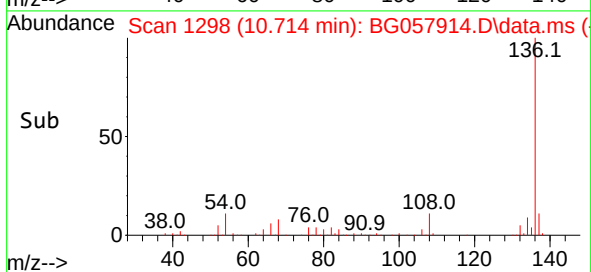
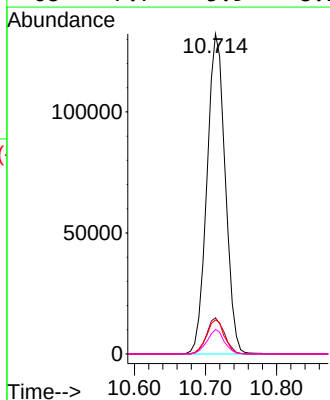
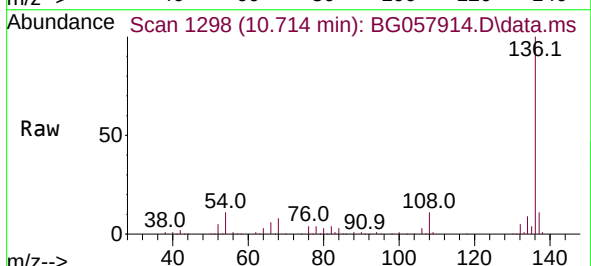
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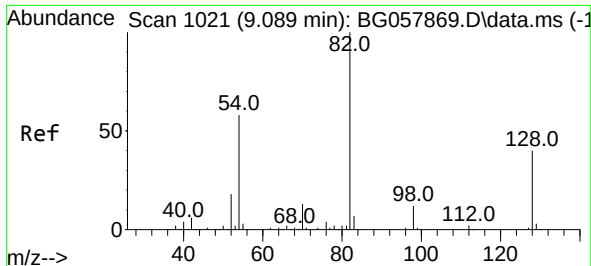
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:136 Resp: 235702
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.7 9.3 13.9
68 7.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 49.885 ng

RT: 9.075 min Scan# 1019

Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

Tgt Ion: 82 Resp: 23992

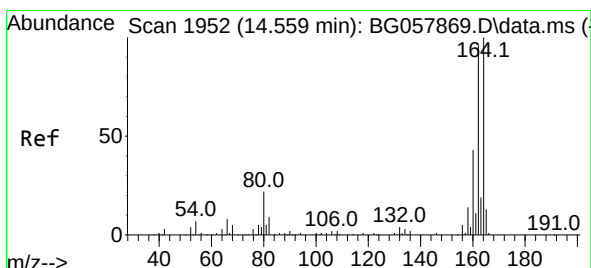
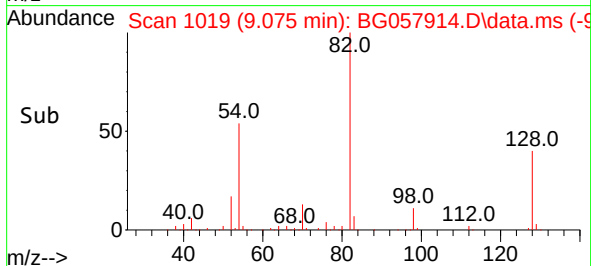
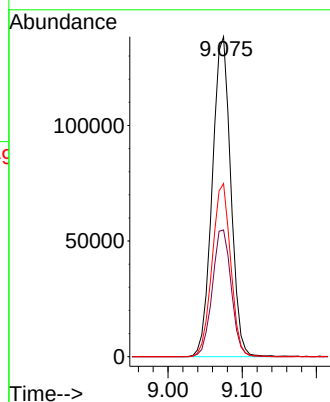
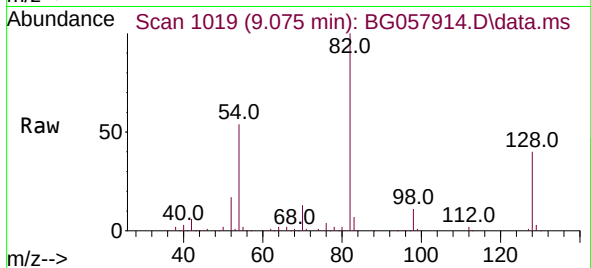
Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.2	48.4
54	54.1	46.1	69.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1950

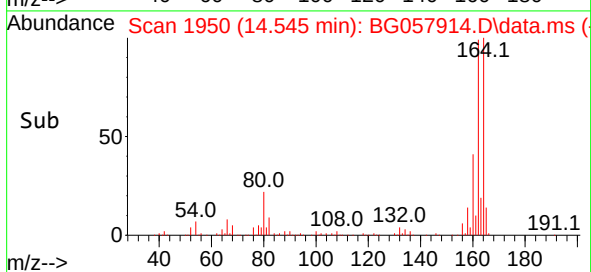
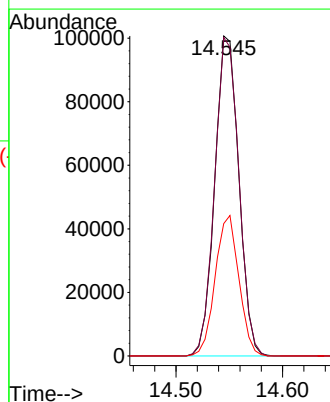
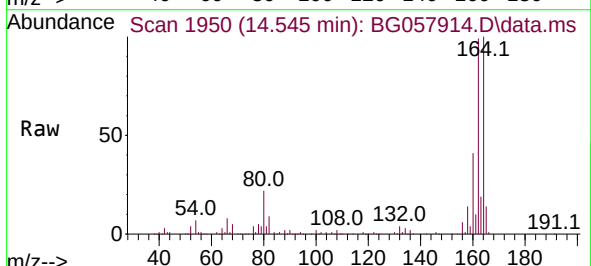
Delta R.T. -0.014 min

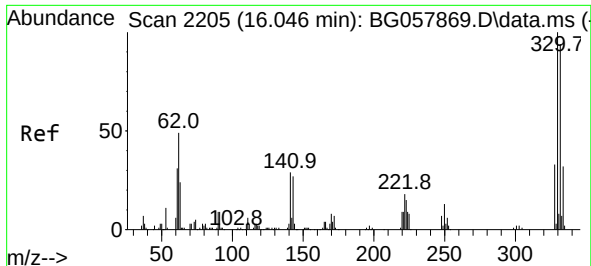
Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Tgt Ion:164 Resp: 157545

Ion	Ratio	Lower	Upper
164	100		
162	99.5	76.4	114.6
160	41.3	34.2	51.2





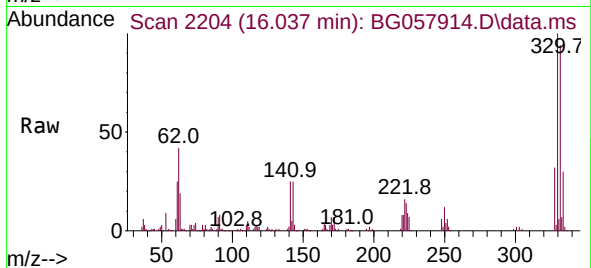
#42
2,4,6-Tribromophenol
Concen: 62.891 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

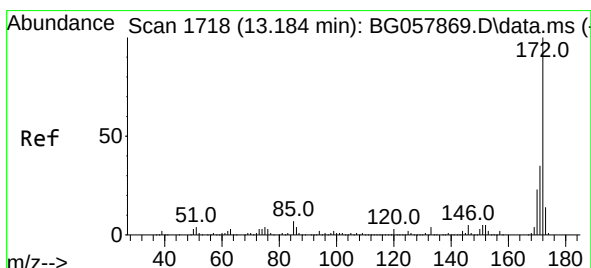
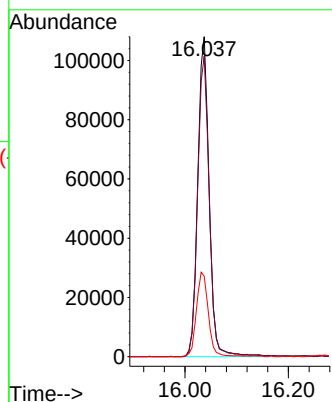
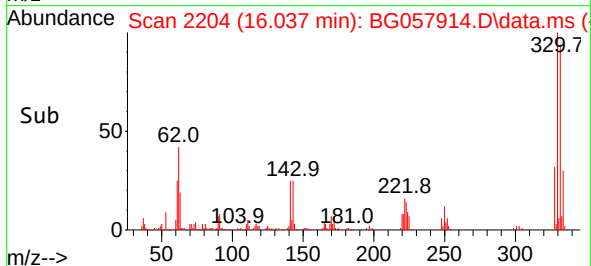


Tgt Ion:330 Resp: 166418
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 27.4 22.2 33.4

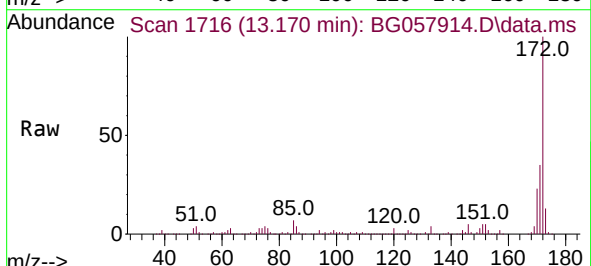
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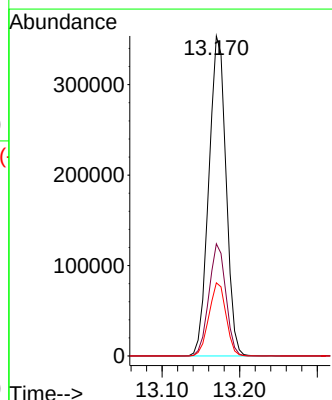
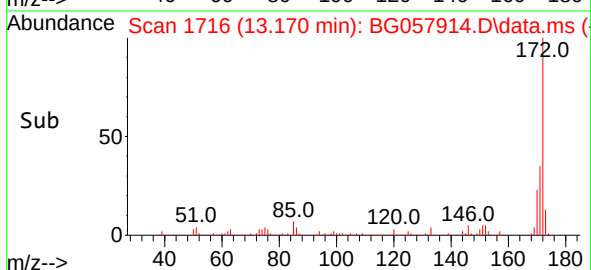
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

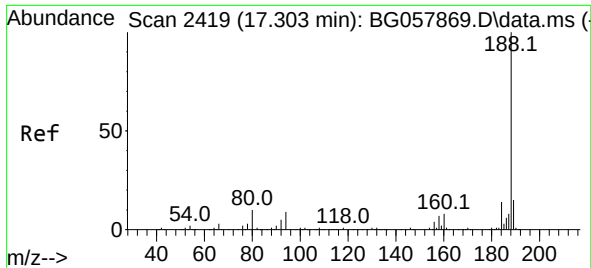


#45
2-Fluorobiphenyl
Concen: 52.672 ng
RT: 13.170 min Scan# 1716
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38



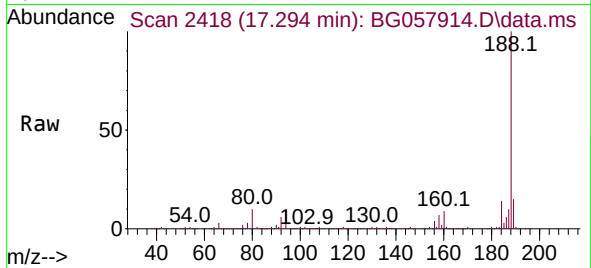
Tgt Ion:172 Resp: 543770
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 22.8 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.294 min Scan# 2419
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

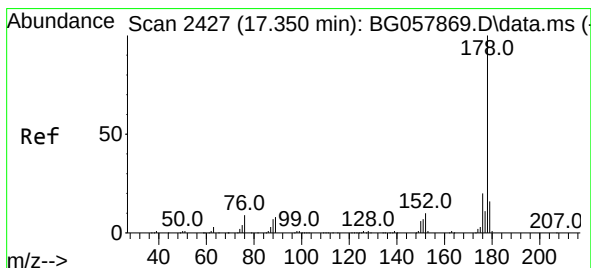
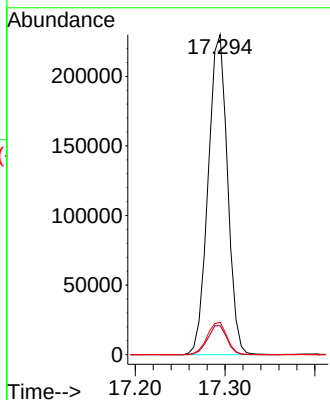
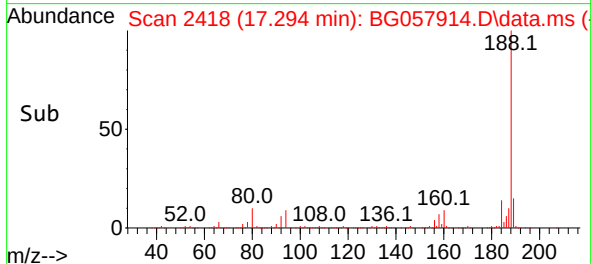
Instrument :
BNA_G
ClientSampleId :
350



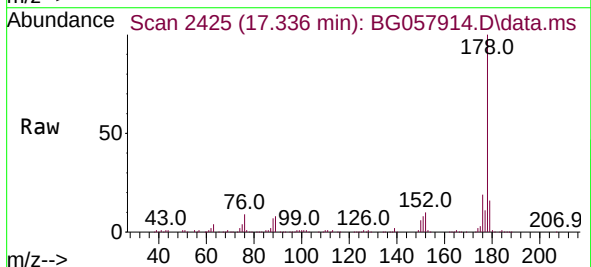
Tgt Ion:188 Resp: 343949
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 10.1 8.4 12.6

Manual Integrations
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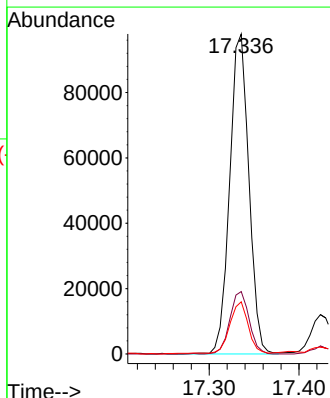
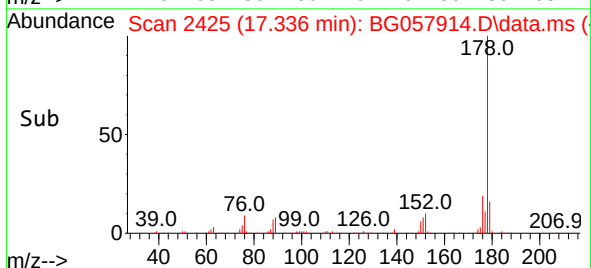
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

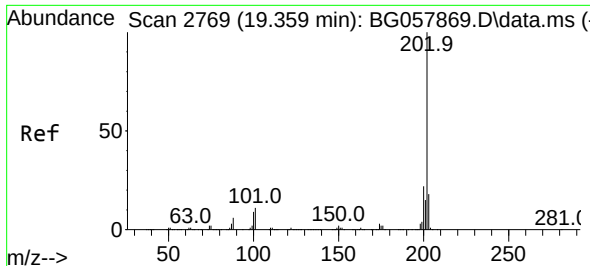


#71
Phenanthrene
Concen: 8.776 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38



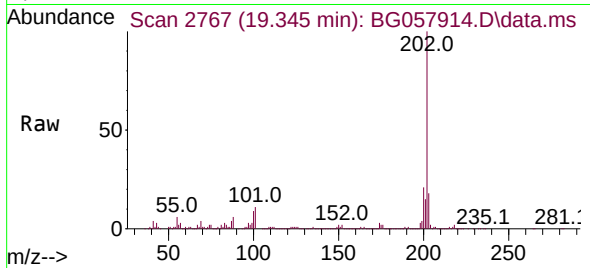
Tgt Ion:178 Resp: 144892
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 16.3 13.2 19.8





#75
Fluoranthene
Concen: 15.144 ng
RT: 19.345 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

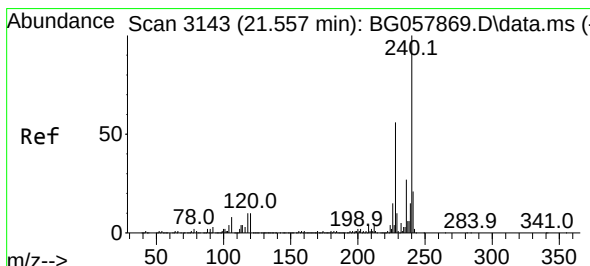
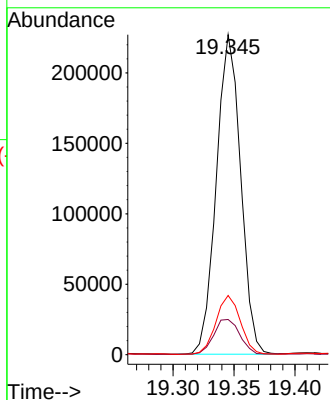
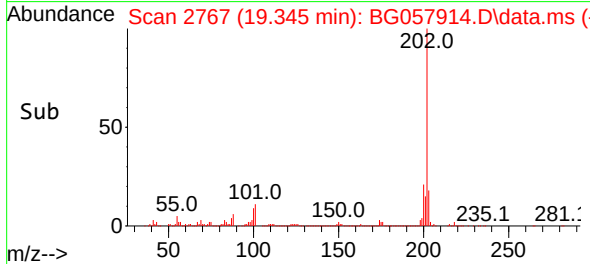
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:202 Resp: 31500
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 18.5 0.0 38.2

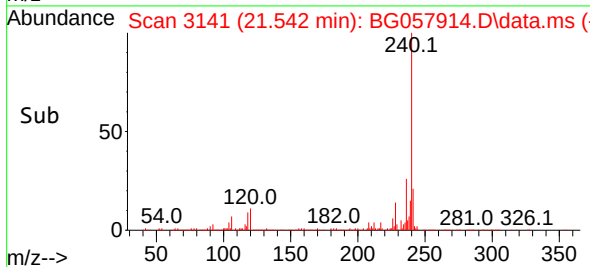
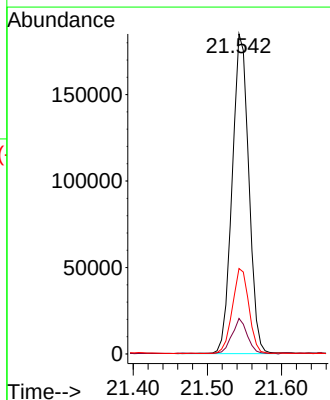
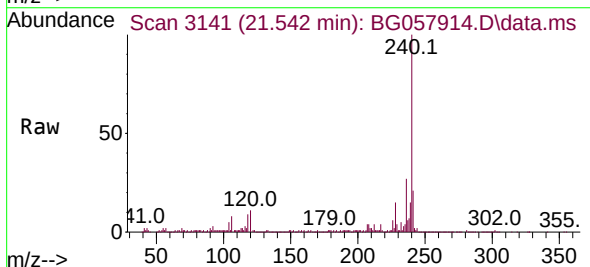
Manual Integrations
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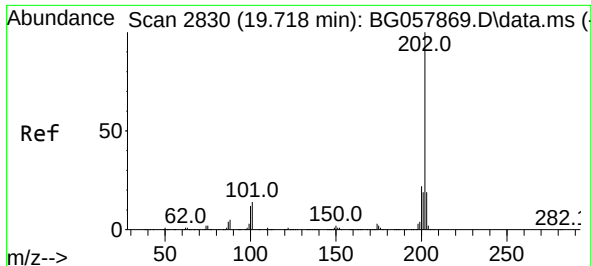
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.542 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

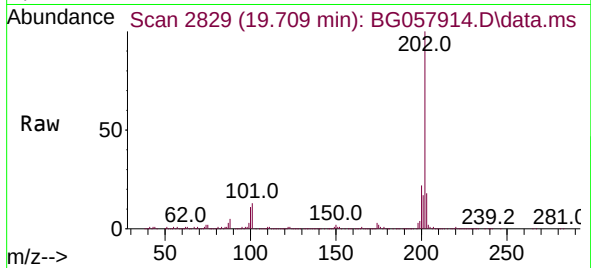
Tgt Ion:240 Resp: 287389
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 26.7 21.9 32.9





#78
Pyrene
Concen: 15.848 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

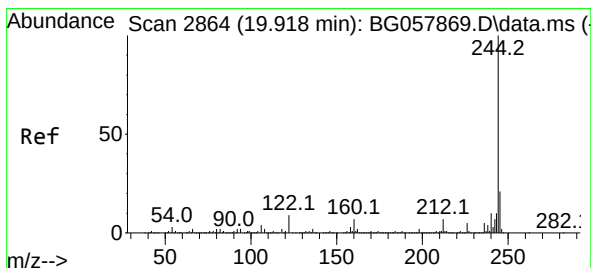
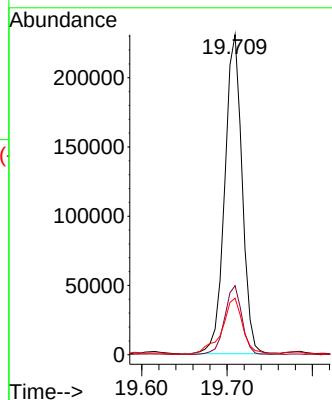
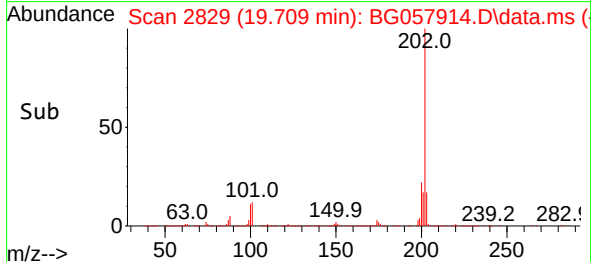
Instrument :
BNA_G
ClientSampleId :
350



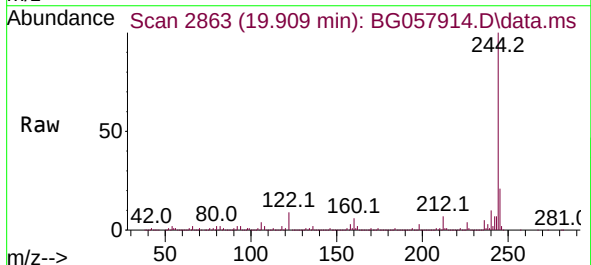
Tgt Ion:202 Resp: 32521
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.6 15.2 22.8

Manual Integrations
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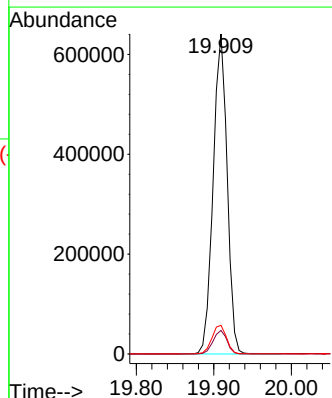
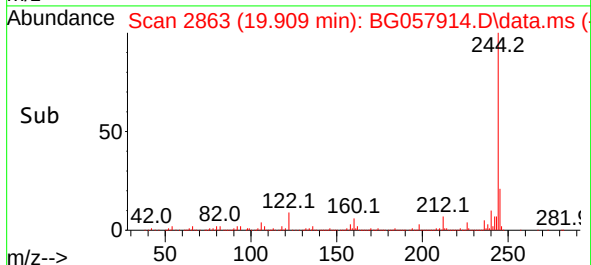
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

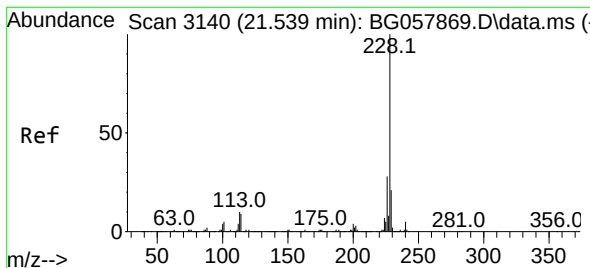


#79
Terphenyl-d14
Concen: 50.891 ng
RT: 19.909 min Scan# 2863
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38



Tgt Ion:244 Resp: 802236
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.0 7.4 11.0





#81

Benzo(a)anthracene

Concen: 7.277 ng

RT: 21.525 min Scan# 3140

Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

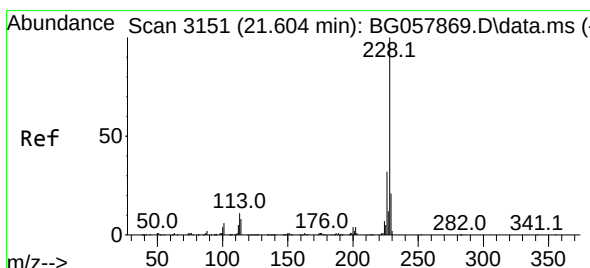
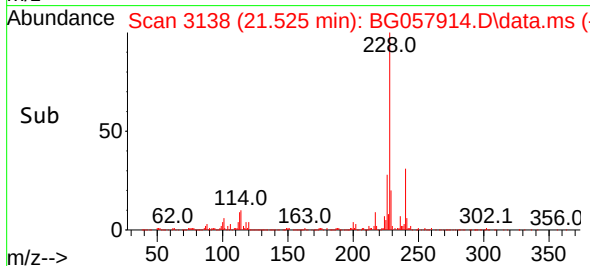
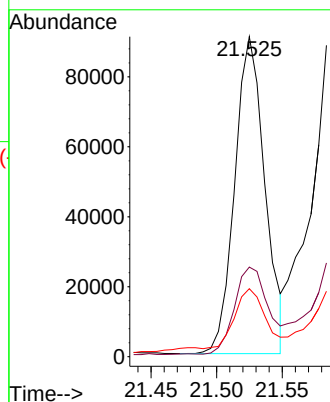
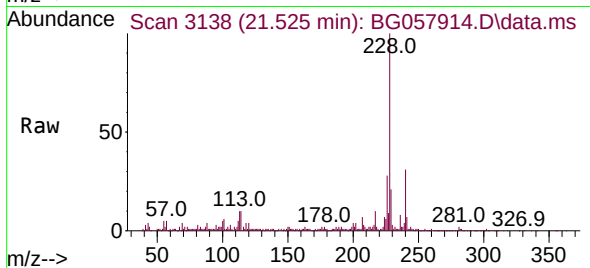
350

Tgt Ion:228 Resp: 144734
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.7 34.1
 229 21.3 16.5 24.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 07/07/2023



#83

Chrysene

Concen: 9.732 ng

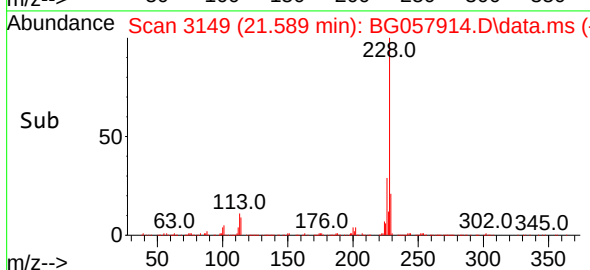
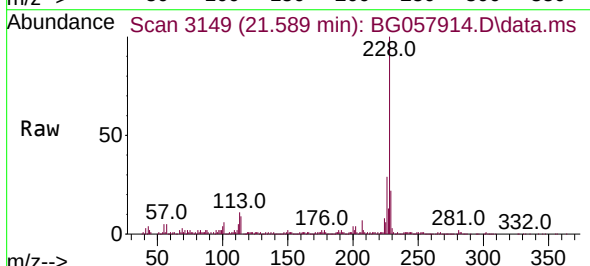
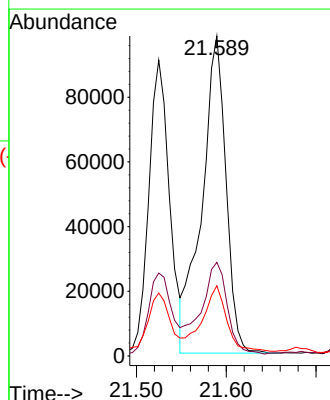
RT: 21.589 min Scan# 3149

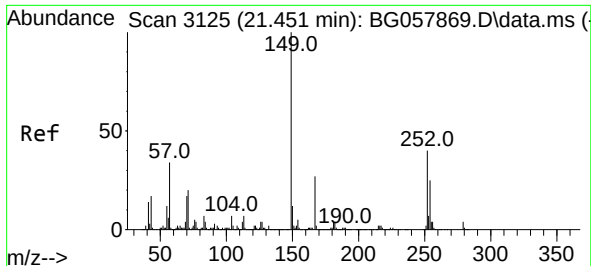
Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

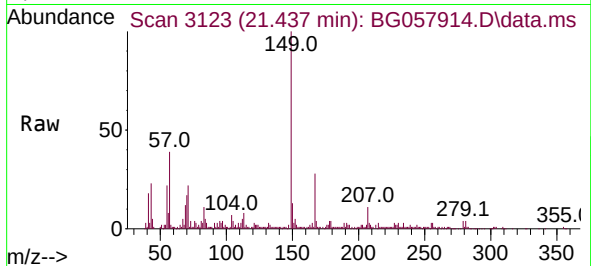
Tgt Ion:228 Resp: 183198
 Ion Ratio Lower Upper
 228 100
 226 29.3 25.3 37.9
 229 22.0 16.5 24.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.742 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

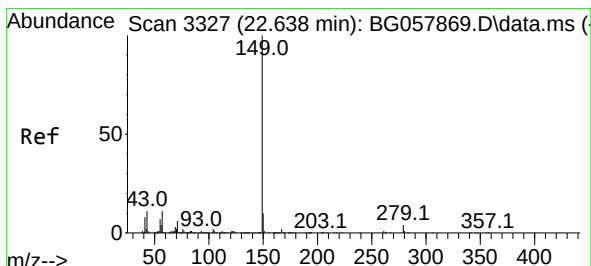
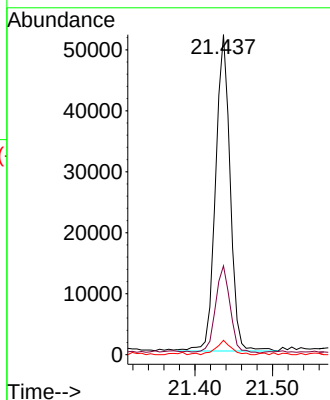
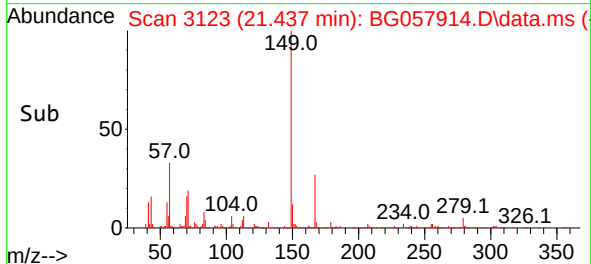
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:149 Resp: 67838
Ion Ratio Lower Upper
149 100
167 27.8 21.8 32.8
279 4.5 3.0 4.6

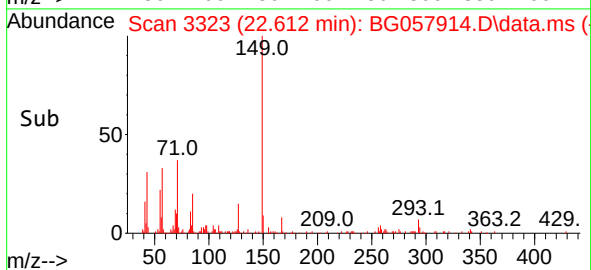
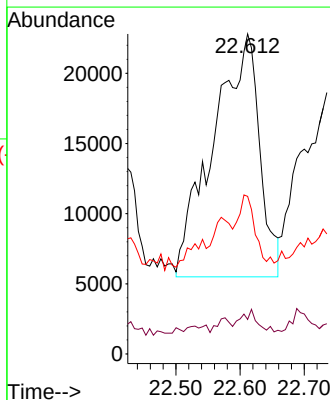
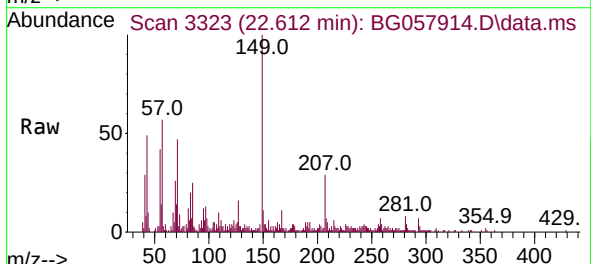
Manual Integrations
APPROVED

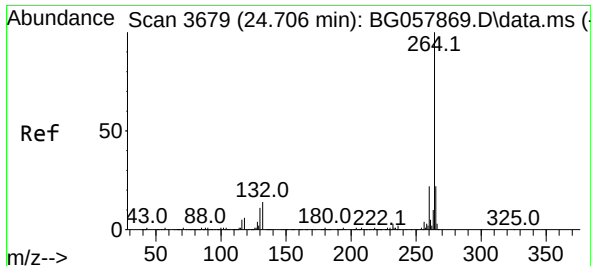
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#85
Di-n-octyl phthalate
Concen: 4.165 ng m
RT: 22.612 min Scan# 3323
Delta R.T. -0.026 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

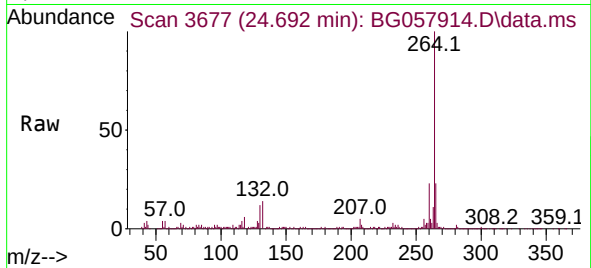
Tgt Ion:149 Resp: 86838
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 6.4 9.0 13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.692 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

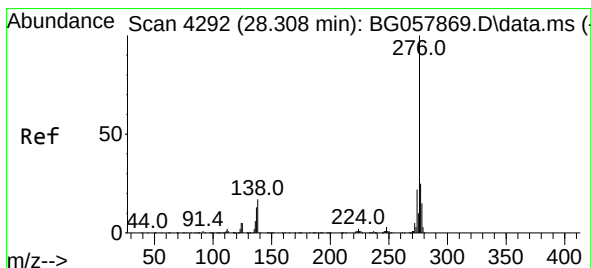
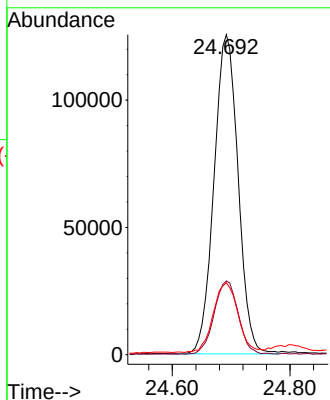
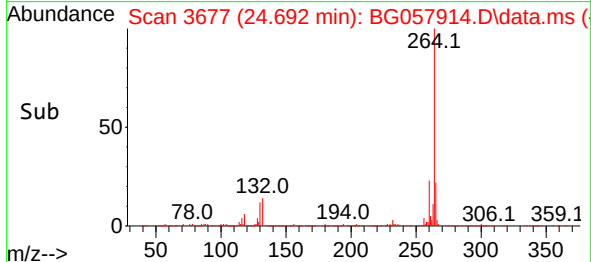
Instrument :
BNA_G
ClientSampleId :
350



Tgt Ion:264 Resp: 356250
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.8
265 22.5 17.3 25.9

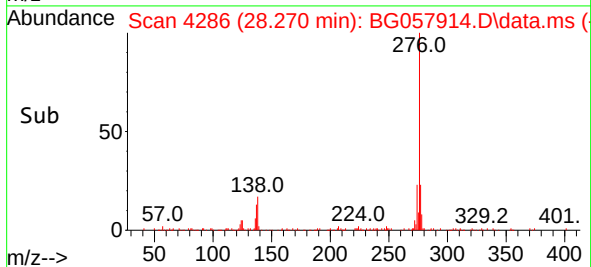
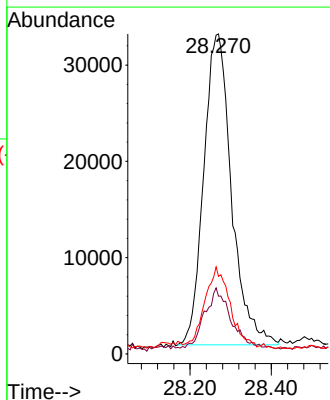
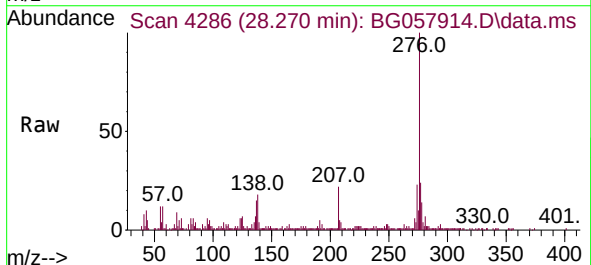
Manual Integrations
APPROVED

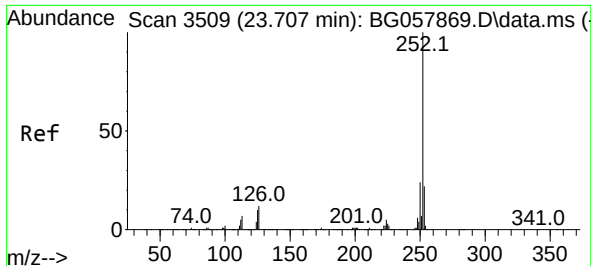
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.490 ng
RT: 28.270 min Scan# 4286
Delta R.T. -0.038 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

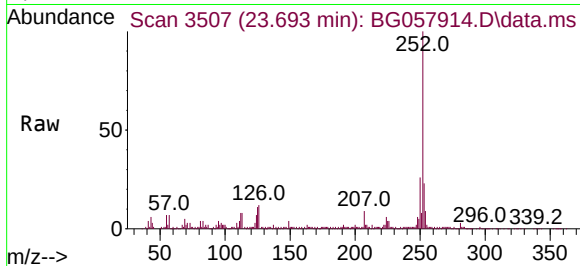
Tgt Ion:276 Resp: 153175
Ion Ratio Lower Upper
276 100
138 17.9 12.2 18.4
277 23.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 12.312 ng
RT: 23.693 min Scan# 3509
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

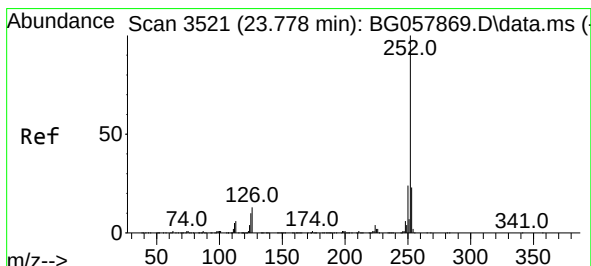
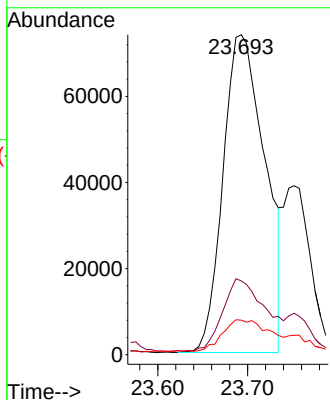
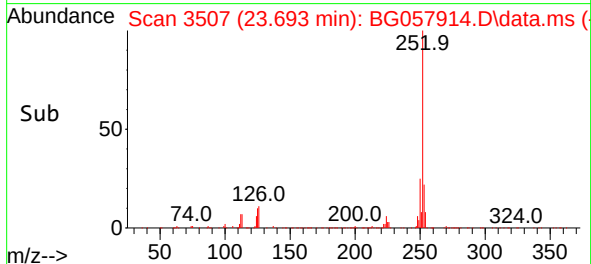
Instrument :
BNA_G
ClientSampleId :
350



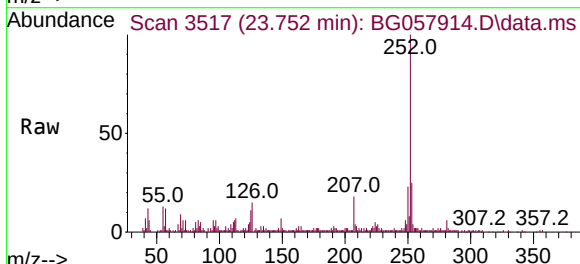
Tgt Ion:252 Resp: 23923
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.8 7.7 11.5

Manual Integrations
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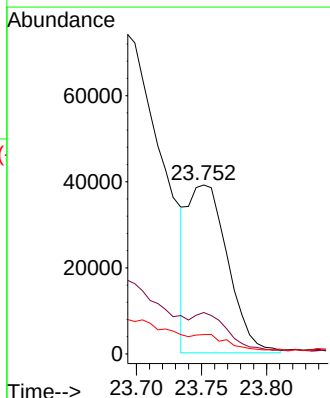
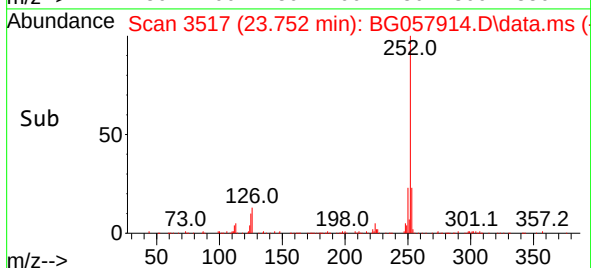
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

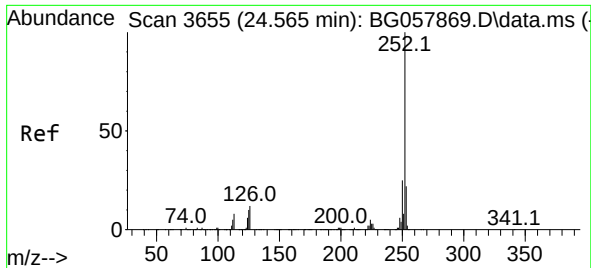


#89
Benzo(k)fluoranthene
Concen: 4.246 ng m
RT: 23.752 min Scan# 3517
Delta R.T. -0.026 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38



Tgt Ion:252 Resp: 83382
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 11.4 7.8 11.6





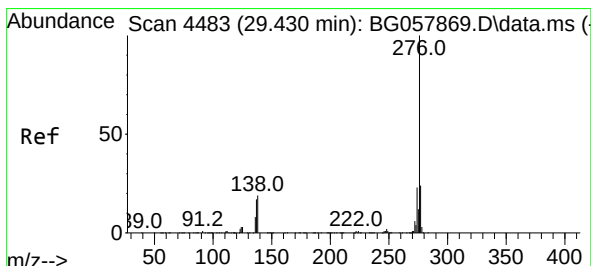
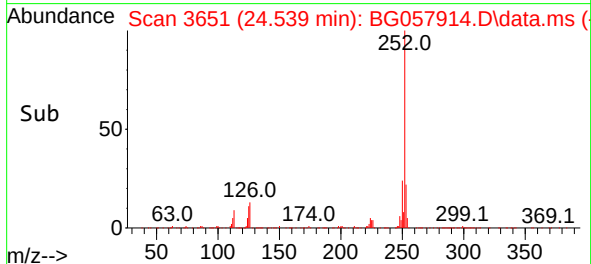
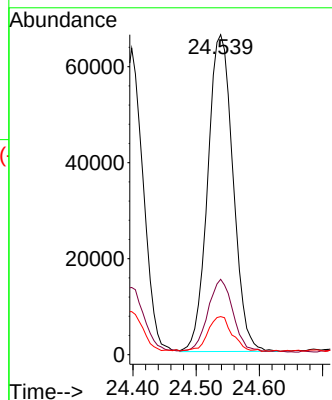
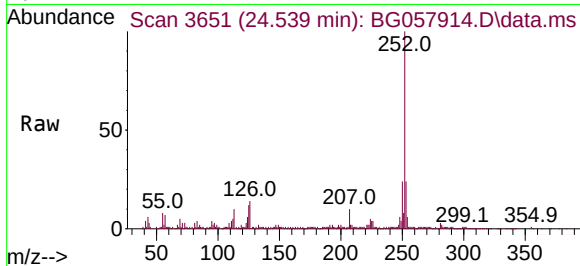
#90
Benzo(a)pyrene
Concen: 9.528 ng
RT: 24.539 min Scan# 30
Delta R.T. -0.026 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Instrument :
BNA_G
ClientSampleId :
350

Tgt Ion:252 Resp: 18338
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.9 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#92
Benzo(g,h,i)perylene
Concen: 9.144 ng
RT: 29.386 min Scan# 4476
Delta R.T. -0.044 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:276 Resp: 177900
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.2
138 20.8 15.0 22.6

