

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
 Data File : BG057732.D
 Acq On : 15 Jun 2023 20:16
 Operator : CG/JU
 Sample : 03222-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-SB-33

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 16 01:10:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:28:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	42648	20.000	ng	0.00
21) Naphthalene-d8	10.736	136	171845	20.000	ng	0.00
39) Acenaphthene-d10	14.567	164	105402	20.000	ng	0.00
64) Phenanthrene-d10	17.311	188	232276	20.000	ng	0.00
76) Chrysene-d12	21.565	240	203698	20.000	ng	0.00
86) Perylene-d12	24.726	264	249721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.513	112	148876	56.841	ng	0.00
7) Phenol-d6	7.088	99	206160	51.236	ng	0.00
23) Nitrobenzene-d5	9.091	82	112216	48.134	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	69213	58.858	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	266251	37.653	ng	0.00
79) Terphenyl-d14	19.926	244	407642	37.000	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.352	178	112836	9.955	ng	99
72) Anthracene	17.440	178	28341	2.468	ng	98
75) Fluoranthene	19.362	202	243420	17.827	ng	100
78) Pyrene	19.726	202	223444	15.417	ng	100
81) Benzo(a)anthracene	21.547	228	132078	9.389	ng	98
83) Chrysene	21.612	228	124111	9.270	ng	96
84) Bis(2-ethylhexyl)phtha...	21.465	149	27834	3.898	ng	98
87) Indeno(1,2,3-cd)pyrene	28.316	276	94837	5.869	ng	# 94
88) Benzo(b)fluoranthene	23.727	252	175620m	12.964	ng	
89) Benzo(k)fluoranthene	23.786	252	68143m	4.850	ng	
90) Benzo(a)pyrene	24.573	252	132151	9.921	ng	97
92) Benzo(g,h,i)perylene	29.438	276	95026	7.130	ng	97

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

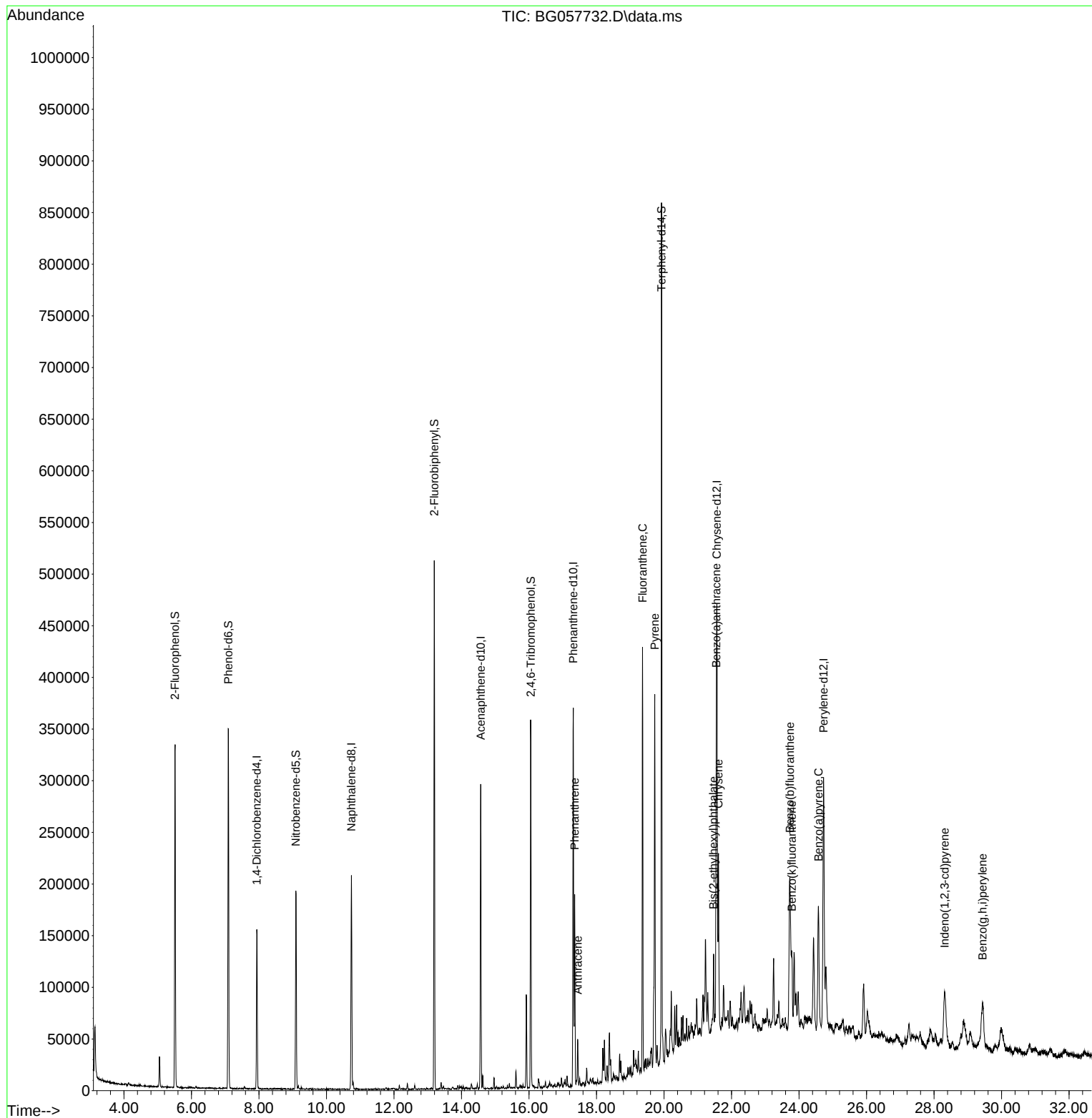
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Data File : BG057732.D
Acq On : 15 Jun 2023 20:16
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ALS Vial : 16 Sample Multiplier: 1

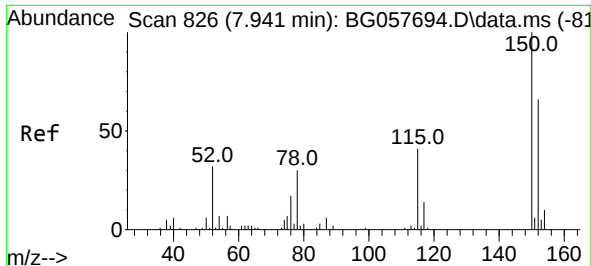
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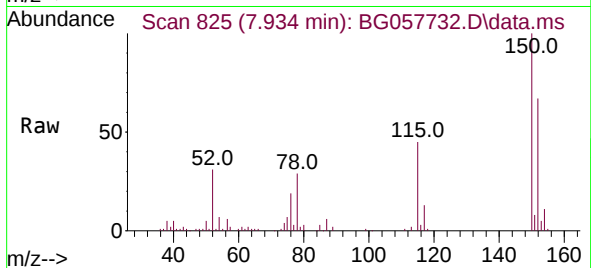
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Instrument :

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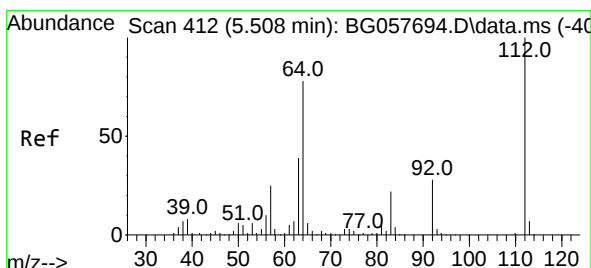
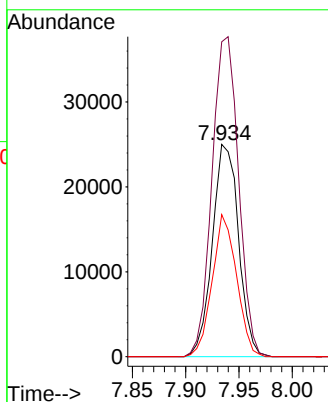
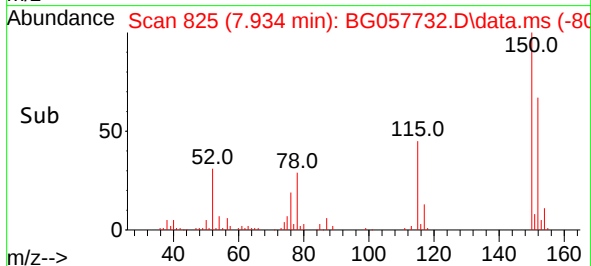


Tgt Ion:152 Resp: 42648
Ion Ratio Lower Upper
152 100
150 148.3 120.8 181.2
115 66.9 49.4 74.2

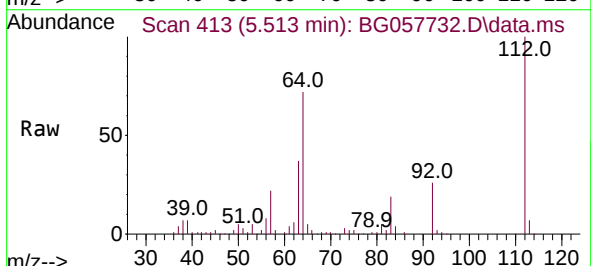
Manual Integrations

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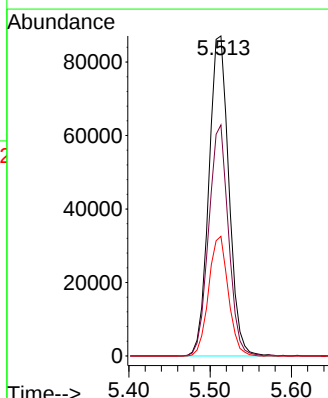
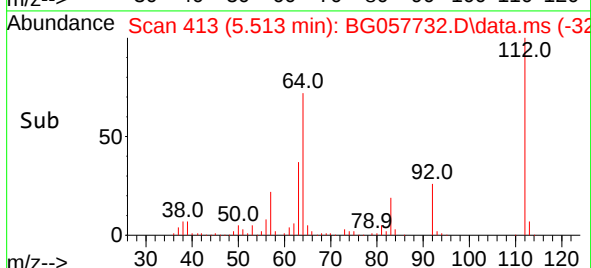
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Supervised By :mohammad ahmed 06/16/2023

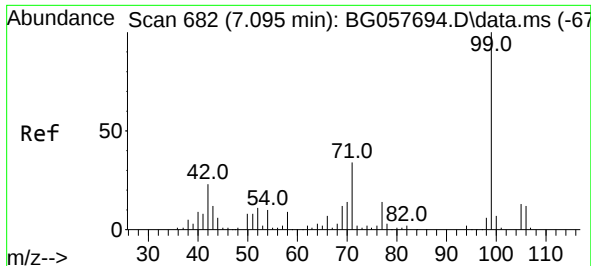


#5
2-Fluorophenol
Concen: 56.841 ng
RT: 5.513 min Scan# 413
Delta R.T. 0.003 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16



Tgt Ion:112 Resp: 148876
Ion Ratio Lower Upper
112 100
64 72.2 62.3 93.5
63 37.4 31.5 47.3





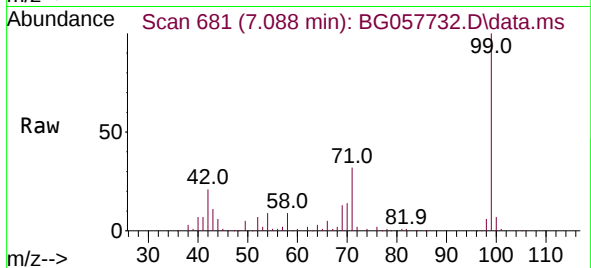
#7
Phenol-d6
Concen: 51.236 ng
RT: 7.088 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

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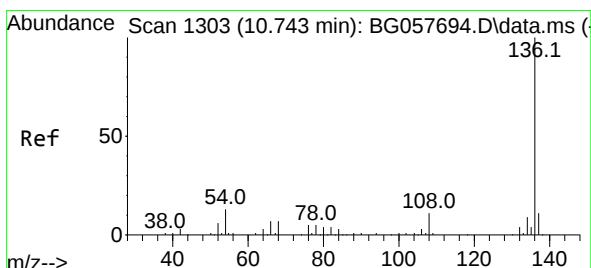
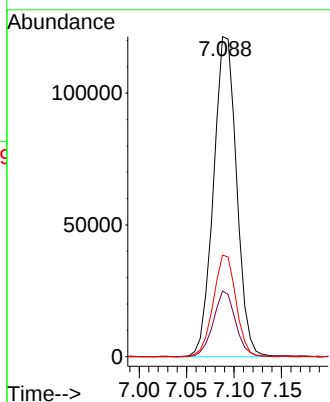
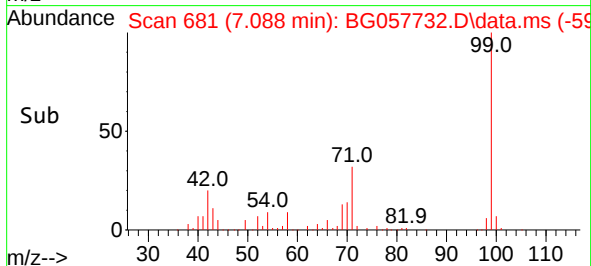


Tgt Ion: 99 Resp: 206160
Ion Ratio Lower Upper
99 100
42 20.5 18.3 27.5
71 31.8 27.5 41.3

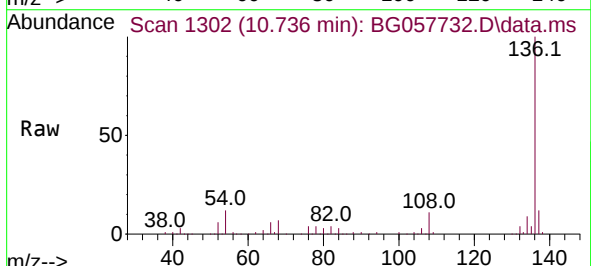
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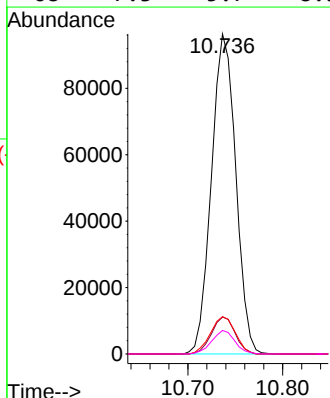
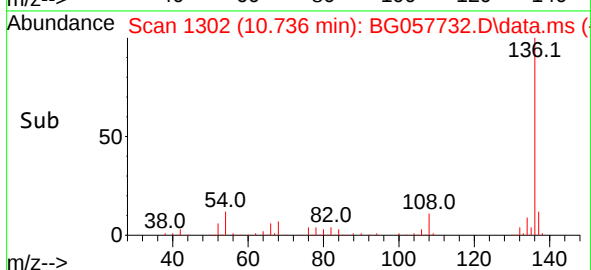
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

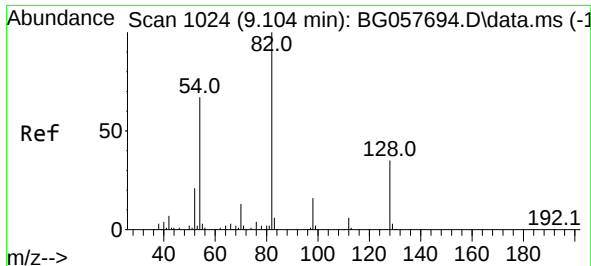


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.736 min Scan# 1302
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16



Tgt Ion:136 Resp: 171845
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 11.6 10.8 16.2
68 7.3 5.7 8.5





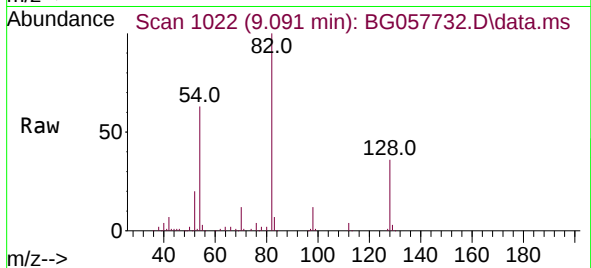
#23
Nitrobenzene-d5
Concen: 48.134 ng
RT: 9.091 min Scan# 1022
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

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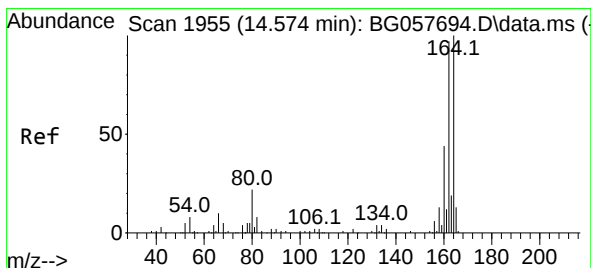
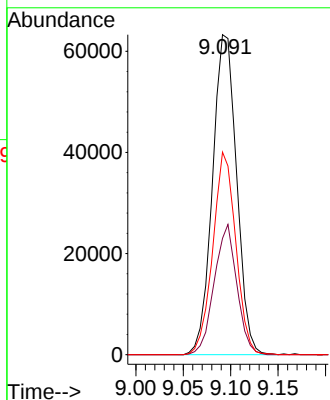
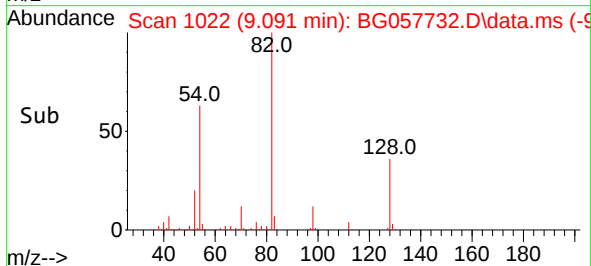
Tgt Ion: 82 Resp: 112210
Ion Ratio Lower Upper
82 100
128 36.4 27.7 41.5
54 63.3 53.8 80.8

Manual Integrations

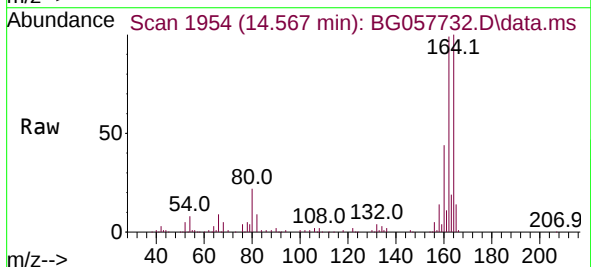
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Reviewed By :Yogesh Patel 06/16/2023

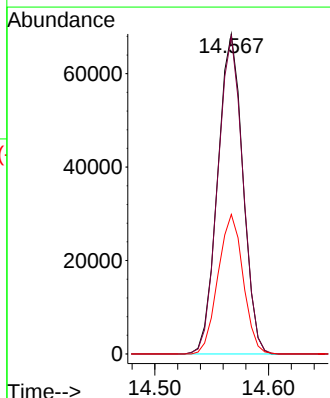
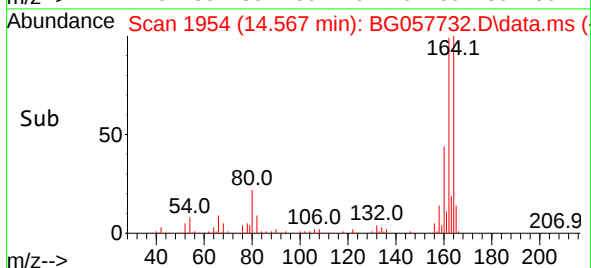
Supervised By :mohammad ahmed 06/16/2023

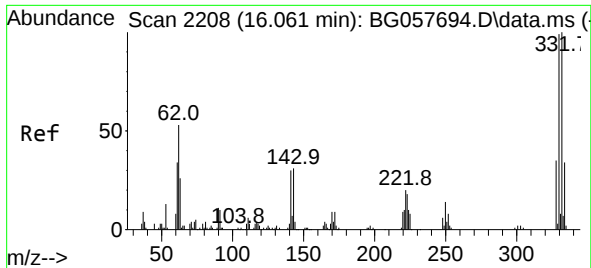


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.567 min Scan# 1954
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16



Tgt Ion:164 Resp: 105402
Ion Ratio Lower Upper
164 100
162 99.3 77.7 116.5
160 43.6 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 58.858 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

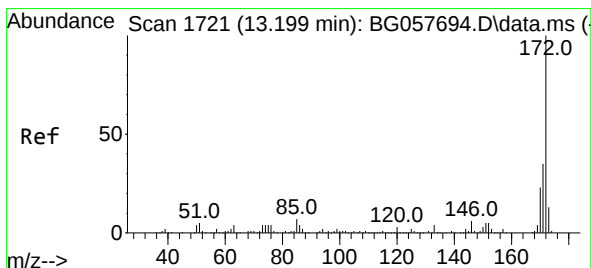
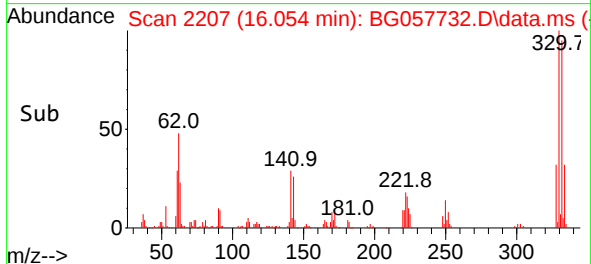
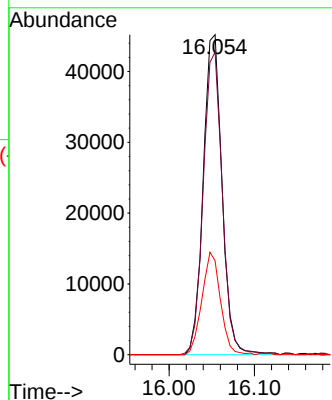
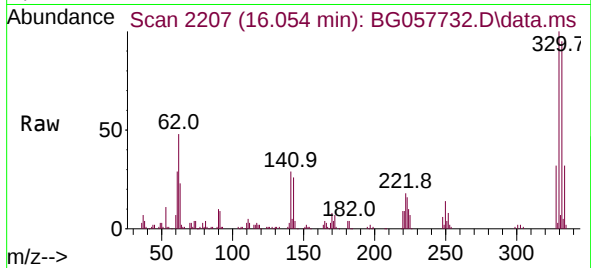
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Tgt Ion:330 Resp: 6921
Ion Ratio Lower Upper
330 100
332 95.9 79.0 118.6
141 31.5 25.0 37.6

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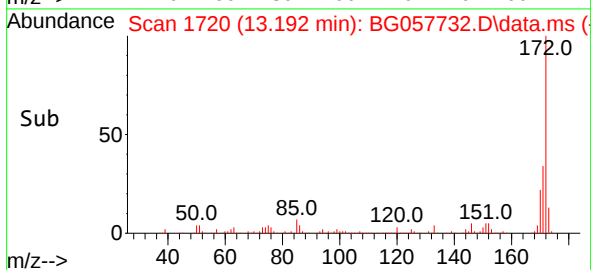
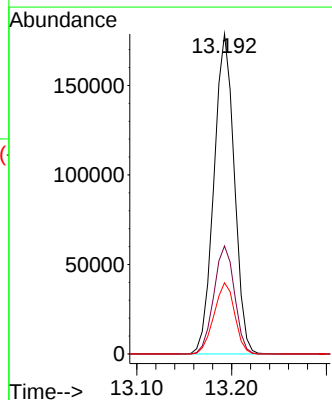
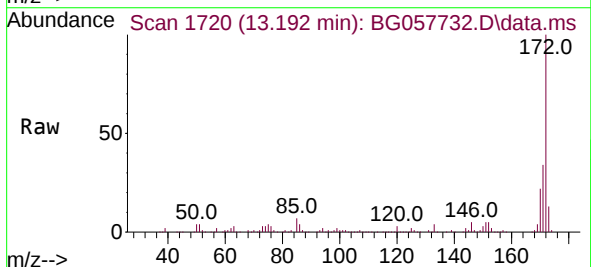
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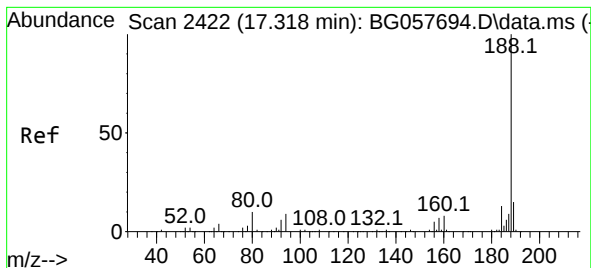
Reviewed By :Yogesh Patel 06/16/2023
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#45
2-Fluorobiphenyl
Concen: 37.653 ng
RT: 13.192 min Scan# 1720
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Tgt Ion:172 Resp: 266251
Ion Ratio Lower Upper
172 100
171 33.8 27.9 41.9
170 22.3 18.2 27.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.311 min Scan# 2421

Delta R.T. -0.008 min

Lab File: BG057732.D

Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

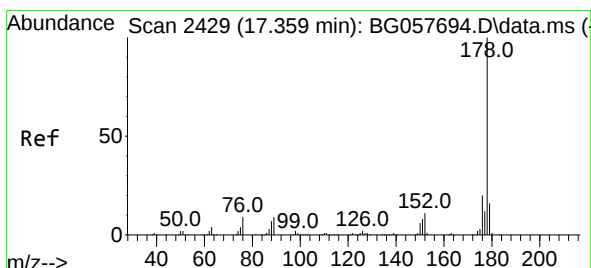
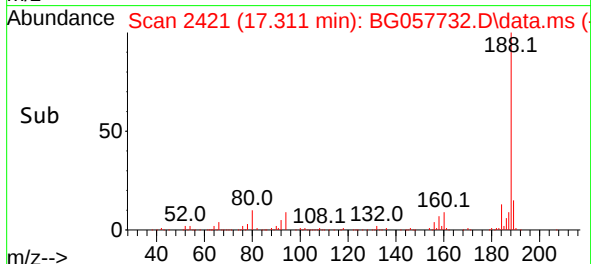
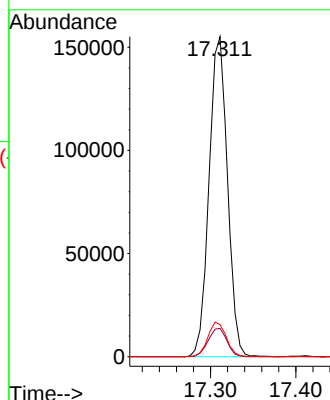
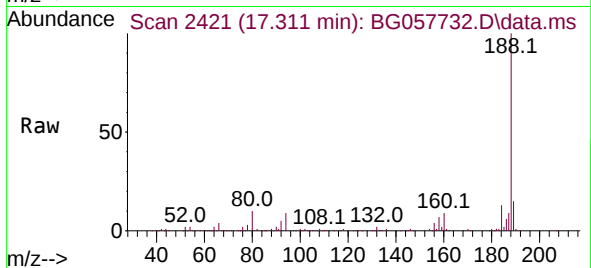
ClientSampleId :

COMP-SB-33

Tgt Ion:188 Resp: 232270
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.9 10.3
 80 10.0 8.2 12.4

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#71

Phenanthrene

Concen: 9.955 ng

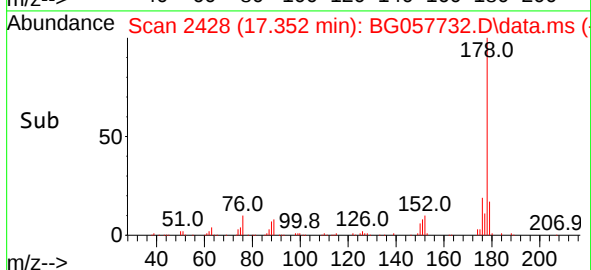
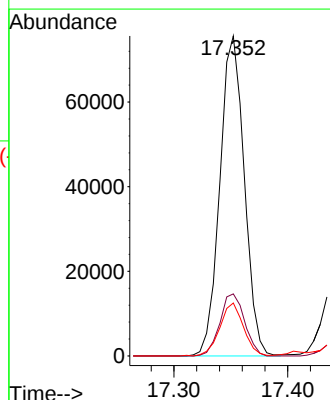
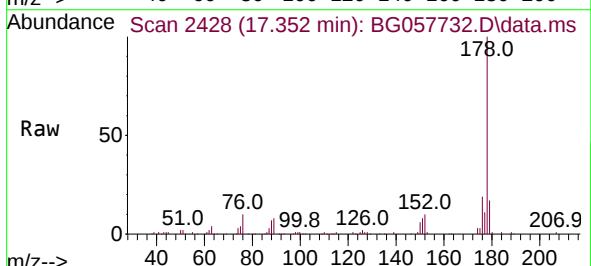
RT: 17.352 min Scan# 2428

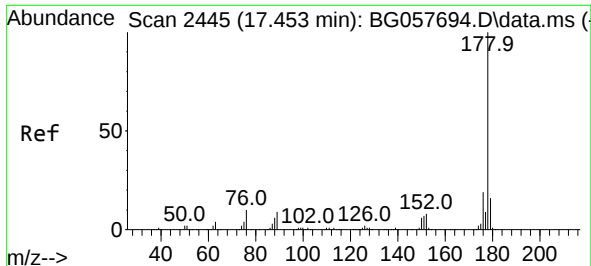
Delta R.T. -0.008 min

Lab File: BG057732.D

Acq: 15 Jun 2023 20:16

Tgt Ion:178 Resp: 112836
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.2
 179 16.5 13.0 19.6





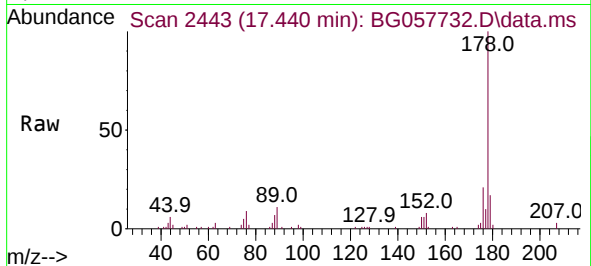
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 Anthracene
 Concen: 2.468 ng
 RT: 17.440 min Scan# 2445
 Delta R.T. -0.008 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16

Instrument :

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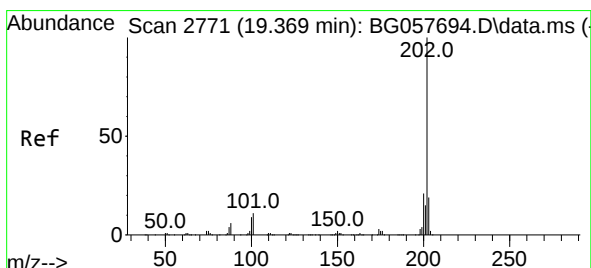
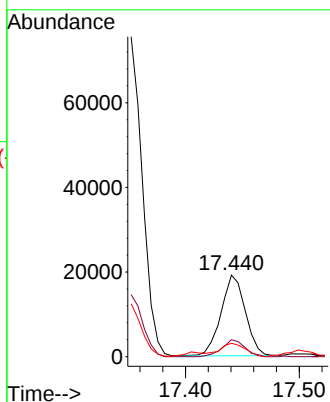
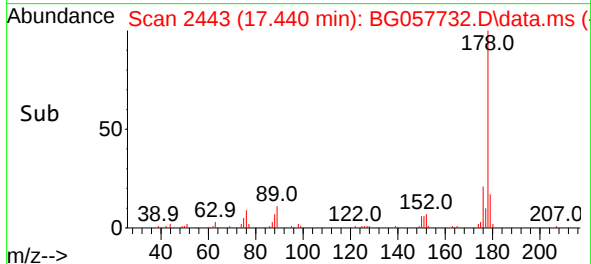


Tgt Ion:178 Resp: 2834
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.4 23.0
 179 16.6 12.9 19.3

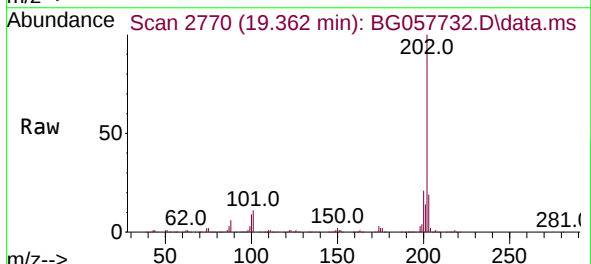
Manual Integrations

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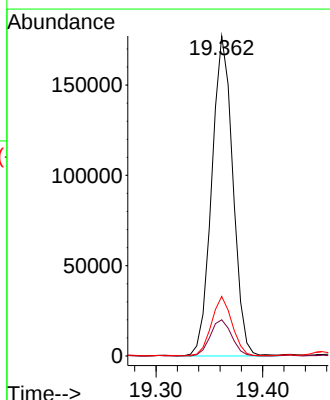
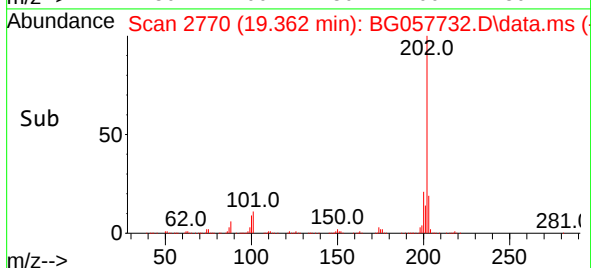
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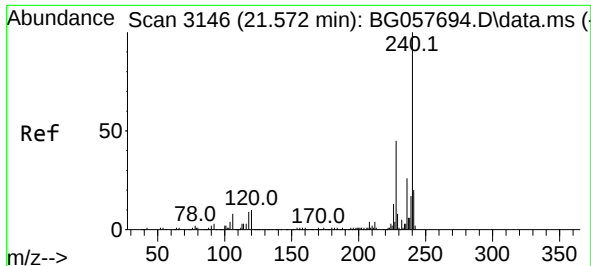


#75
 Fluoranthene
 Concen: 17.827 ng
 RT: 19.362 min Scan# 2770
 Delta R.T. -0.008 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16



Tgt Ion:202 Resp: 243420
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.1
 203 18.6 0.0 38.5





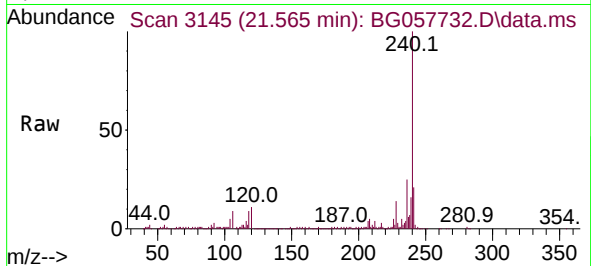
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3146
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

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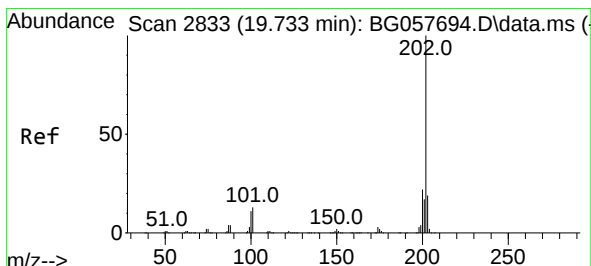
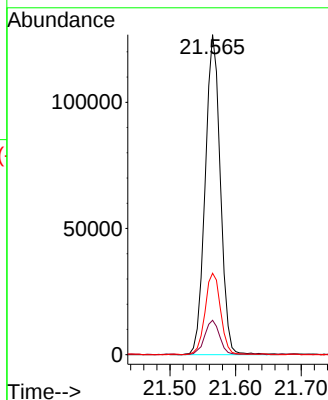
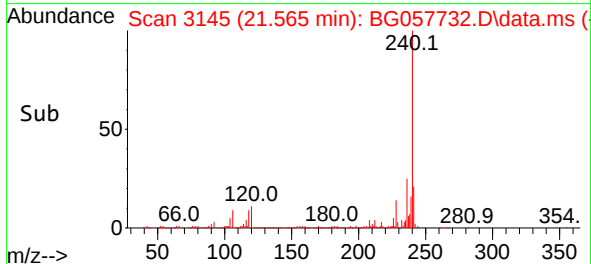


Tgt Ion:240 Resp: 203698
Ion Ratio Lower Upper
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120 10.8 8.1 12.1
236 25.4 20.7 31.1

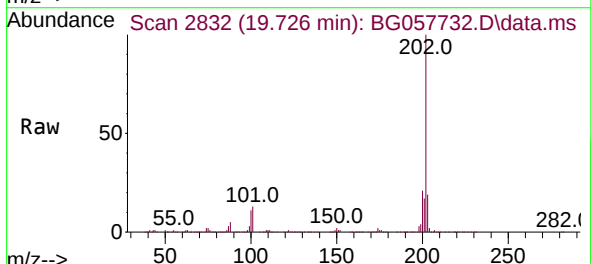
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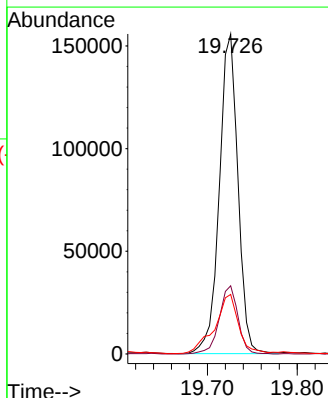
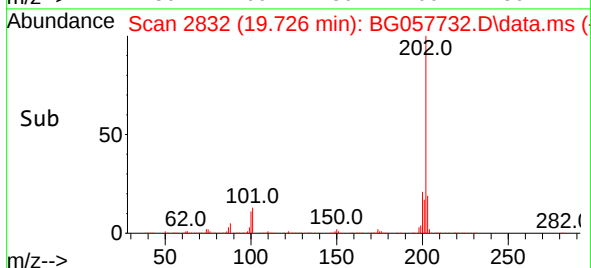
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

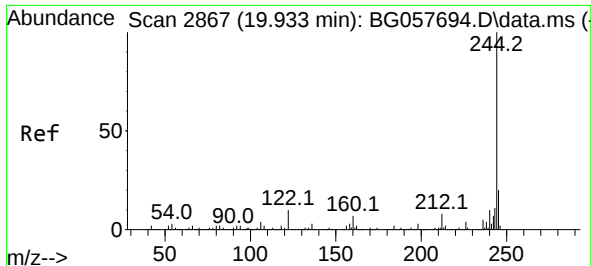


#78
Pyrene
Concen: 15.417 ng
RT: 19.726 min Scan# 2832
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16



Tgt Ion:202 Resp: 223444
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.0
203 18.6 14.9 22.3





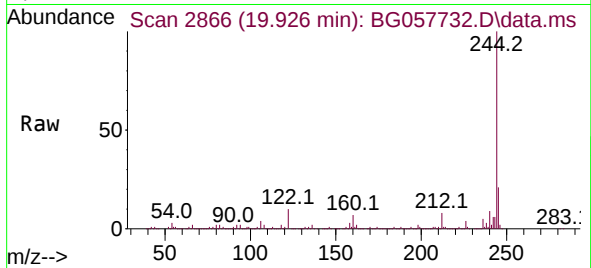
#79
 Terphenyl-d14
 Concen: 37.000 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

COMP-SB-33

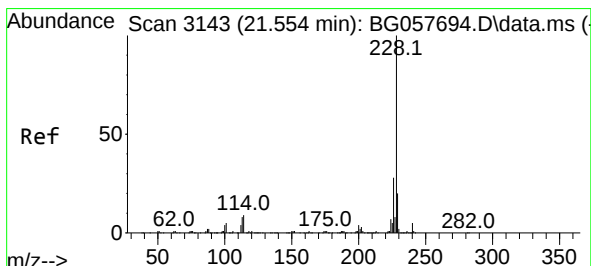
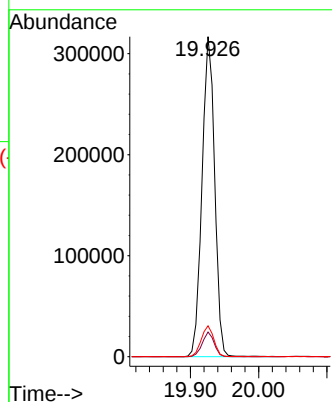
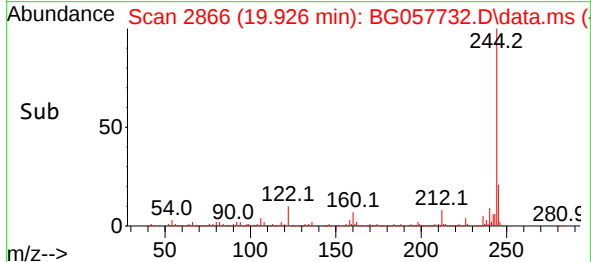


Tgt Ion:244 Resp: 40764
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 9.7 7.7 11.5

Manual Integrations

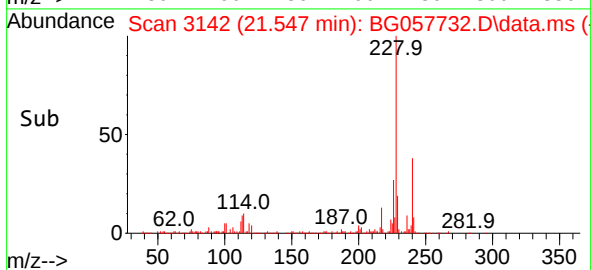
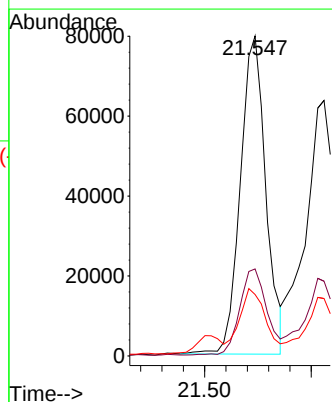
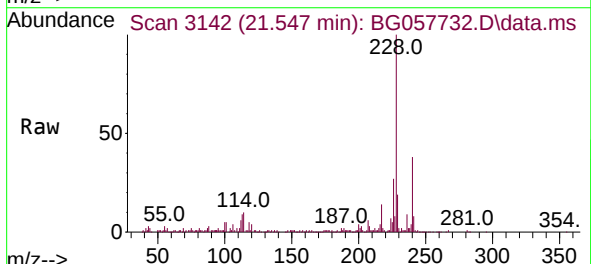
APPROVED

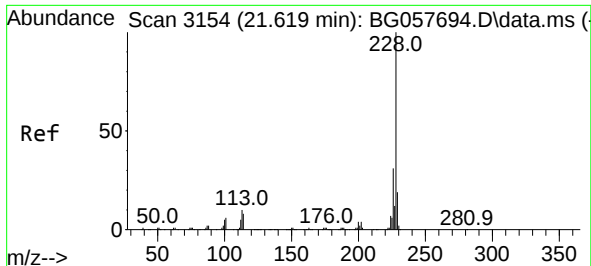
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#81
 Benzo(a)anthracene
 Concen: 9.389 ng
 RT: 21.547 min Scan# 3142
 Delta R.T. -0.008 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16

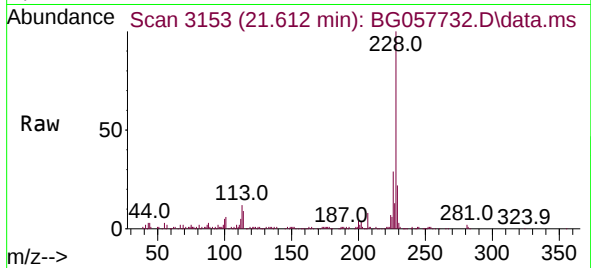
Tgt Ion:228 Resp: 132078
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.4 33.6
 229 19.2 15.9 23.9





#83
Chrysene
Concen: 9.270 ng
RT: 21.612 min Scan# 3154
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

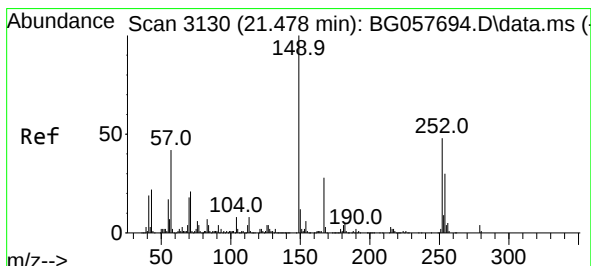
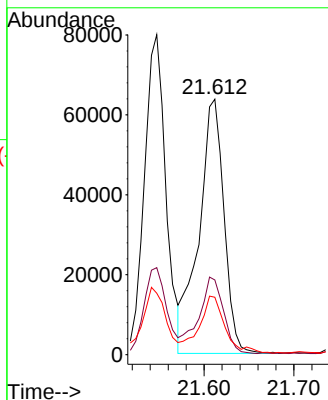
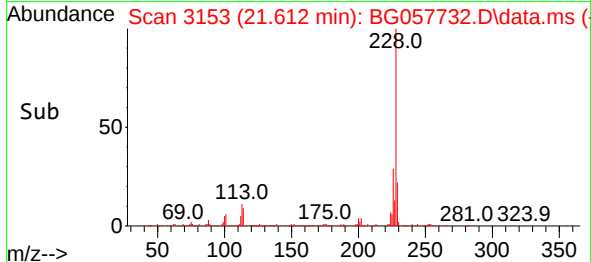
Instrument :
BNA_G
ClientSampleId :
COMP-SB-33



Tgt Ion:228 Resp: 12411
Ion Ratio Lower Upper
228 100
226 29.2 24.6 36.8
229 22.5 15.5 23.3

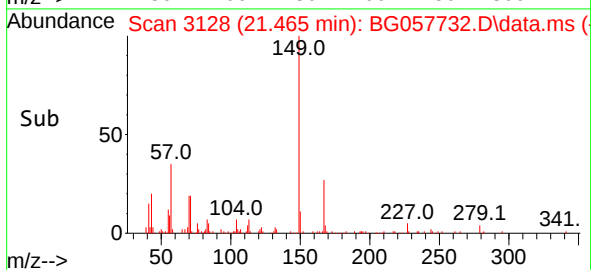
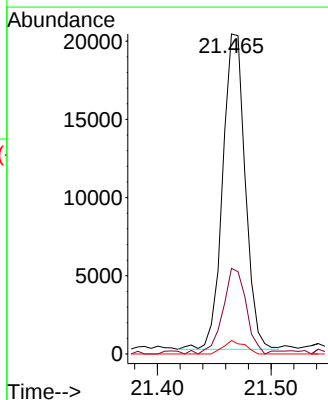
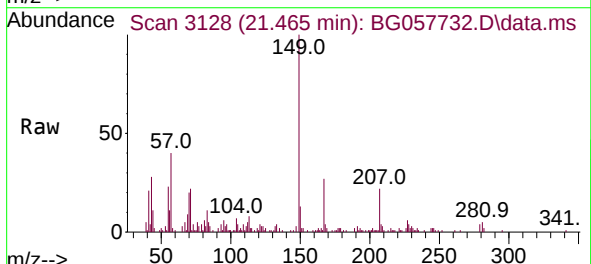
Manual Integrations
APPROVED

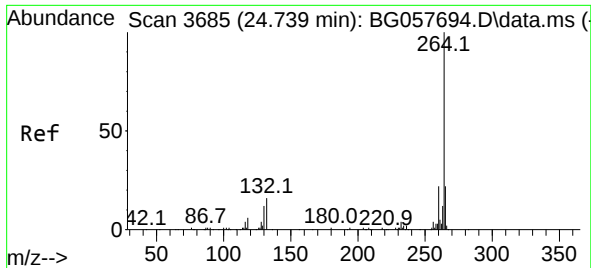
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.898 ng
RT: 21.465 min Scan# 3128
Delta R.T. -0.008 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Tgt Ion:149 Resp: 27834
Ion Ratio Lower Upper
149 100
167 26.8 22.1 33.1
279 4.2 3.0 4.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.726 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

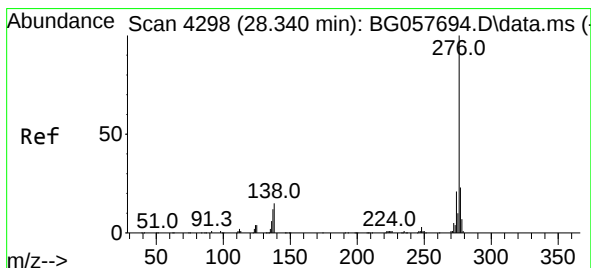
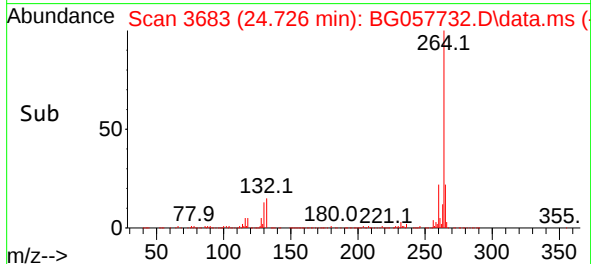
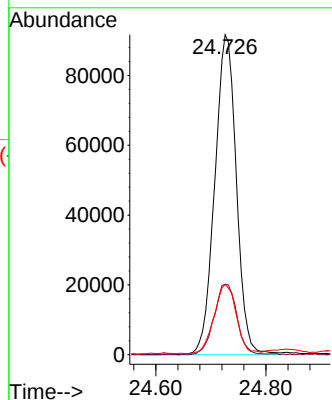
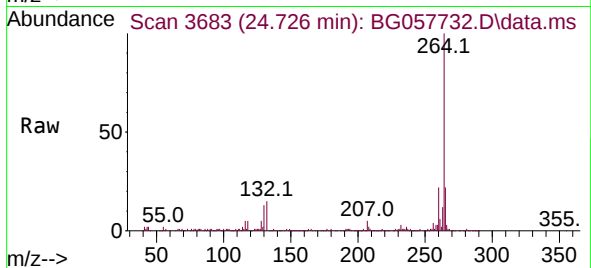
COMP-SB-33

Tgt Ion:264 Resp: 24972
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.3 25.9
 265 22.0 17.5 26.3

Manual Integrations

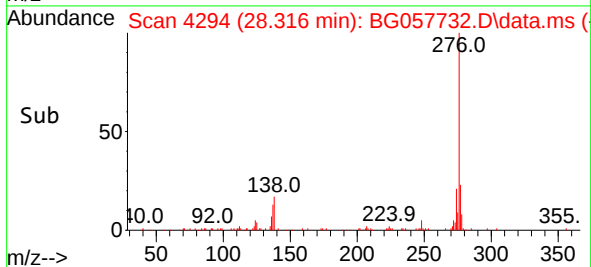
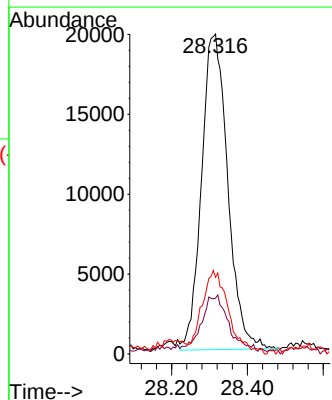
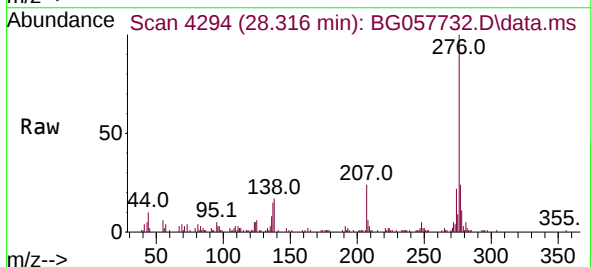
APPROVED

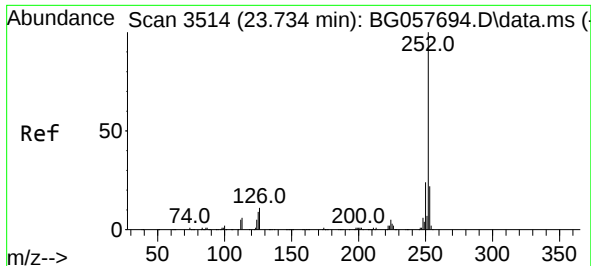
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.869 ng
 RT: 28.316 min Scan# 4294
 Delta R.T. -0.032 min
 Lab File: BG057732.D
 Acq: 15 Jun 2023 20:16

Tgt Ion:276 Resp: 94837
 Ion Ratio Lower Upper
 276 100
 138 17.9 11.9 17.9#
 277 23.0 20.2 30.2





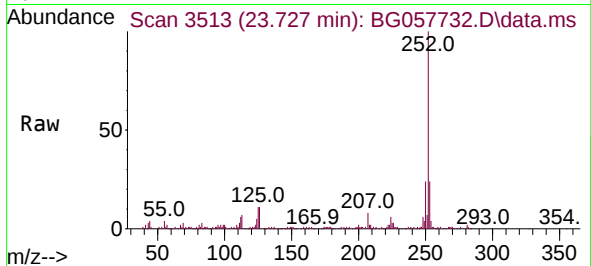
#88
Benzo(b)fluoranthene
Concen: 12.964 ng m
RT: 23.727 min Scan# 3513
Delta R.T. -0.002 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

COMP-SB-33

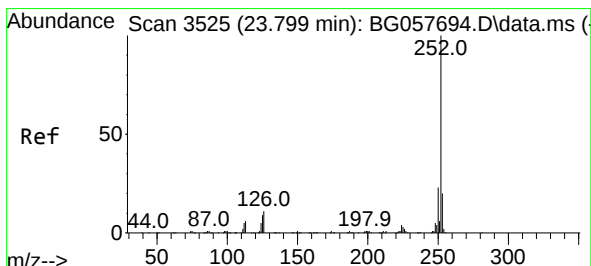
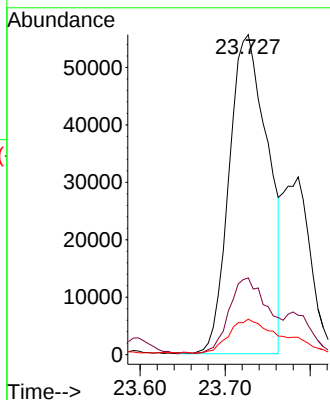
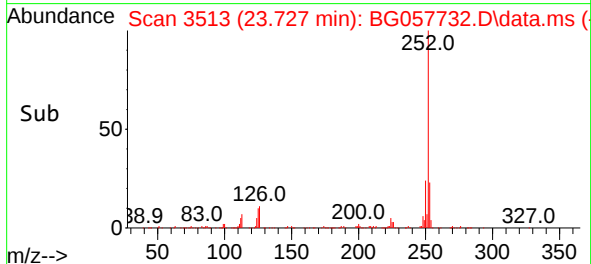


Tgt Ion:252 Resp: 175620
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 11.1 7.1 10.7

Manual Integrations

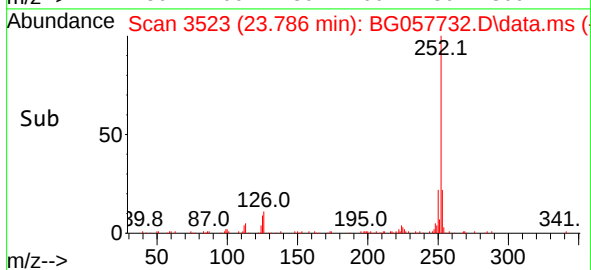
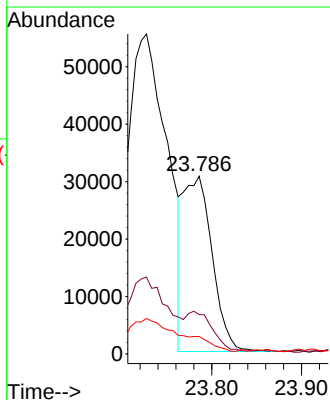
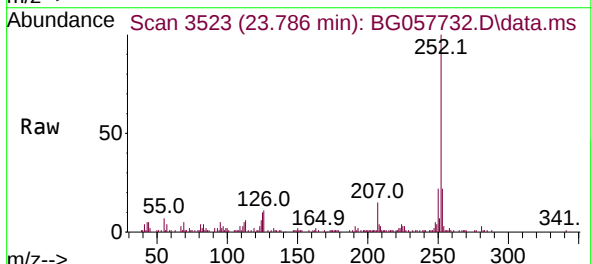
APPROVED

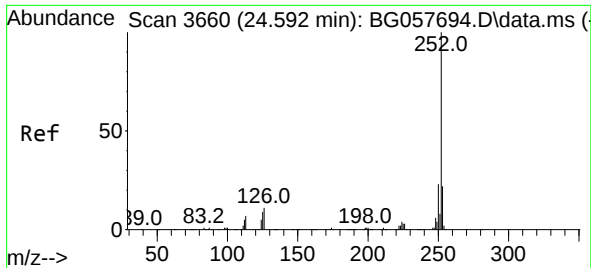
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#89
Benzo(k)fluoranthene
Concen: 4.850 ng m
RT: 23.786 min Scan# 3523
Delta R.T. -0.014 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Tgt Ion:252 Resp: 68143
Ion Ratio Lower Upper
252 100
253 22.2 16.6 25.0
125 9.8 7.3 10.9





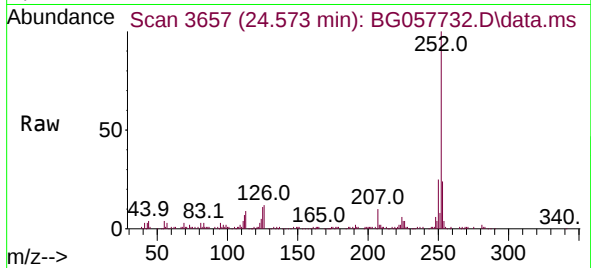
#90
Benzo(a)pyrene
Concen: 9.921 ng
RT: 24.573 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16

Instrument :

BNA_G

ClientSampleId :

COMP-SB-33

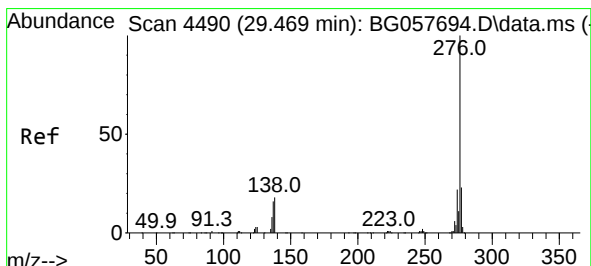
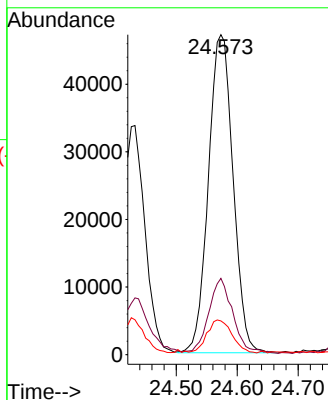
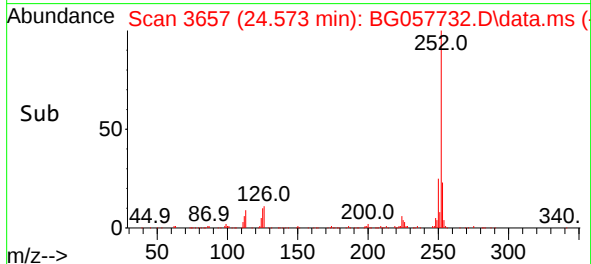


Tgt Ion:252 Resp: 13215
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.5 7.4 11.2

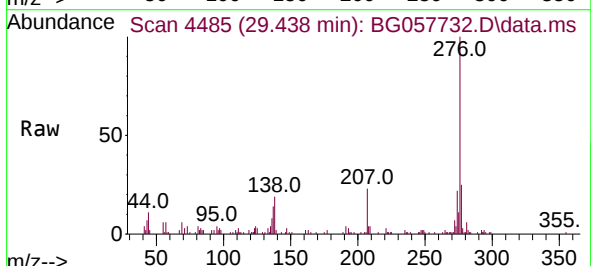
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#92
Benzo(g,h,i)perylene
Concen: 7.130 ng
RT: 29.438 min Scan# 4485
Delta R.T. -0.032 min
Lab File: BG057732.D
Acq: 15 Jun 2023 20:16



Tgt Ion:276 Resp: 95026
Ion Ratio Lower Upper
276 100
277 24.6 18.1 27.1
138 19.0 14.6 21.8

