

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
 Data File : BG057733.D
 Acq On : 15 Jun 2023 20:57
 Operator : CG/JU
 Sample : 03222-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-SB-26

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 01:10:51 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	7.940	152	39818	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	164346	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	103331	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	220913	20.000	ng	0.00
76) Chrysene-d12	21.565	240	186661	20.000	ng	0.00
86) Perylene-d12	24.732	264	234197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	133978	54.788	ng	0.00
7) Phenol-d6	7.094	99	184072	48.998	ng	0.00
23) Nitrobenzene-d5	9.092	82	101212	46.222	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	61393	53.255	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	244622	35.288	ng	0.00
79) Terphenyl-d14	19.926	244	361215	35.778	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	157186	14.581	ng	99
72) Anthracene	17.447	178	38454	3.521	ng	99
75) Fluoranthene	19.362	202	288640	22.226	ng	99
78) Pyrene	19.726	202	264350	19.904	ng	99
81) Benzo(a)anthracene	21.548	228	155606	12.071	ng	94
83) Chrysene	21.612	228	139499	11.371	ng	96
84) Bis(2-ethylhexyl)phtha...	21.465	149	32356	4.945	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.322	276	104126	6.871	ng	# 96
88) Benzo(b)fluoranthene	23.728	252	202386	15.930	ng	# 92
89) Benzo(k)fluoranthene	23.786	252	73901m	5.608	ng	
90) Benzo(a)pyrene	24.579	252	152579	12.214	ng	# 95
91) Dibenzo(a,h)anthracene	28.375	278	28416	2.269	ng	# 83
92) Benzo(g,h,i)perylene	29.444	276	105387	8.432	ng	95

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

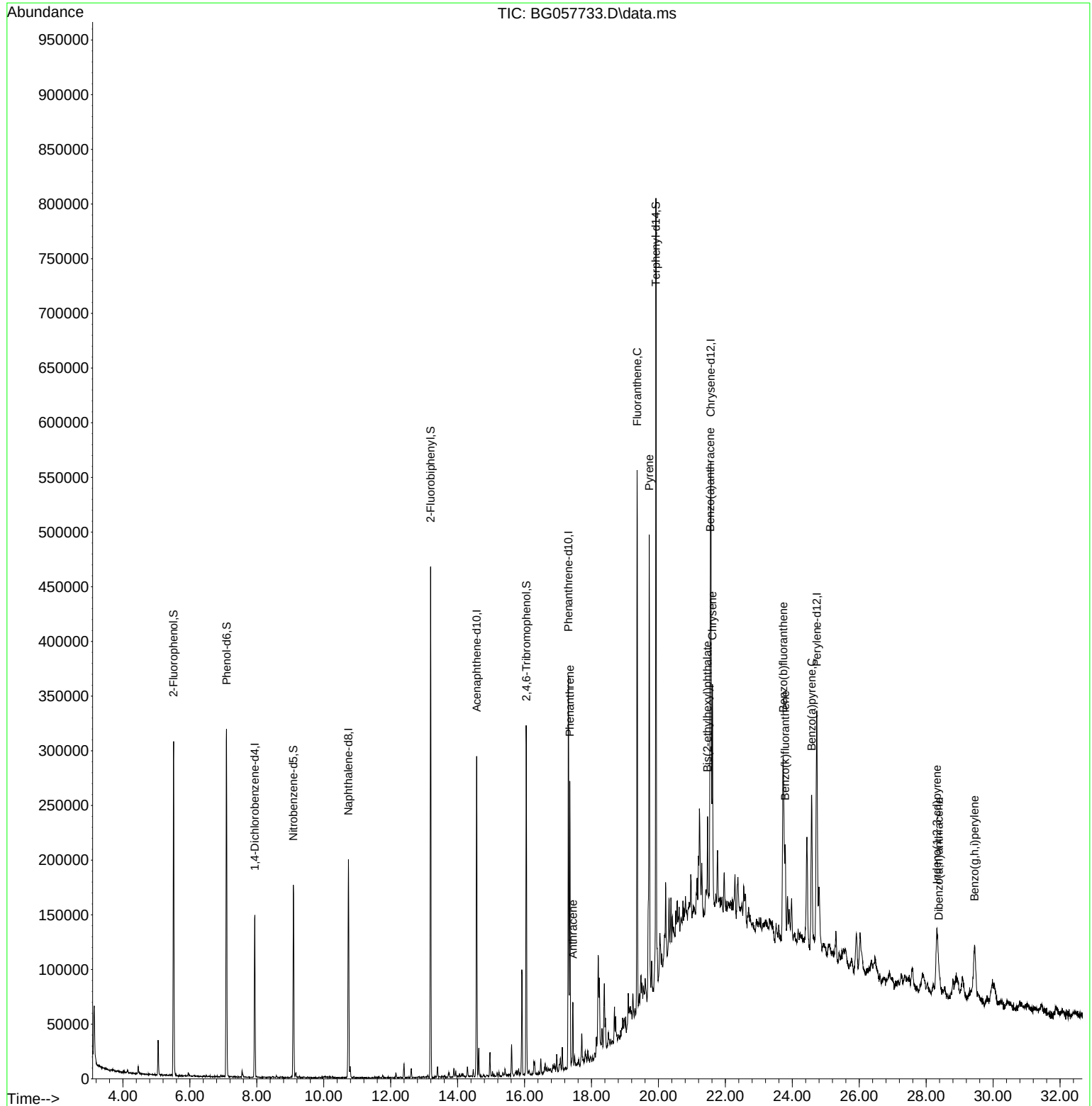
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
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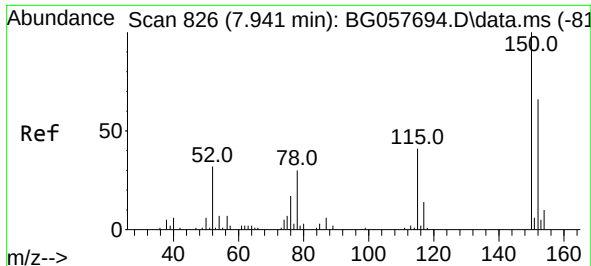
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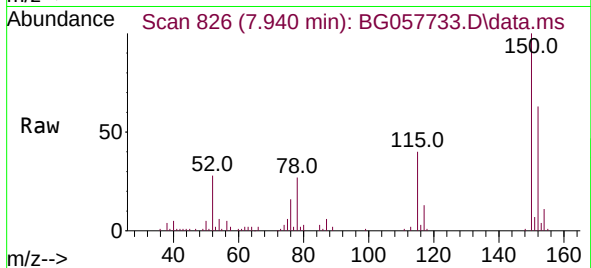
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

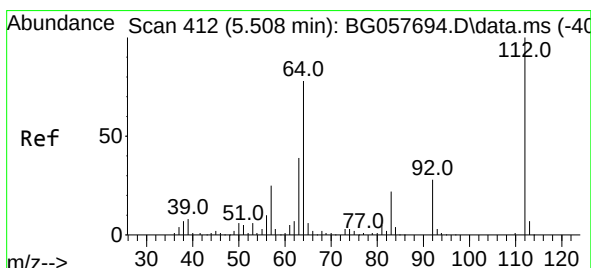
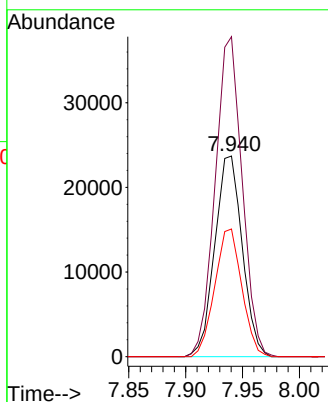
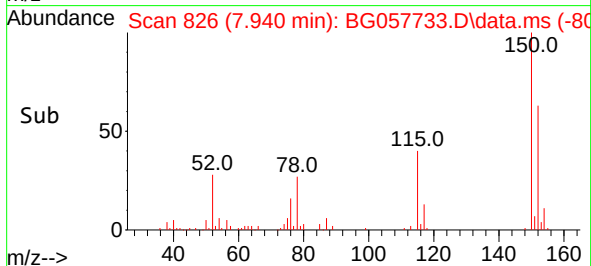


Tgt Ion:152 Resp: 39818
Ion Ratio Lower Upper
152 100
150 159.4 120.8 181.2
115 63.6 49.4 74.2

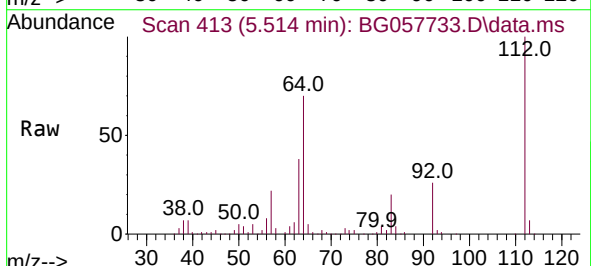
Manual Integrations

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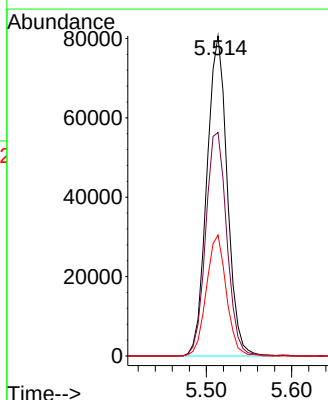
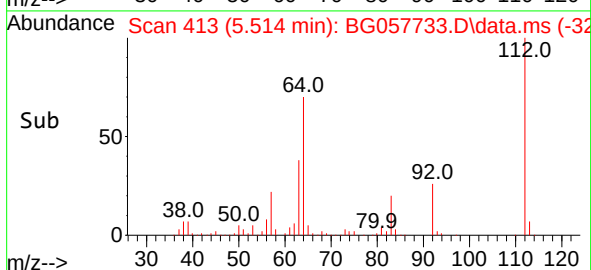
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

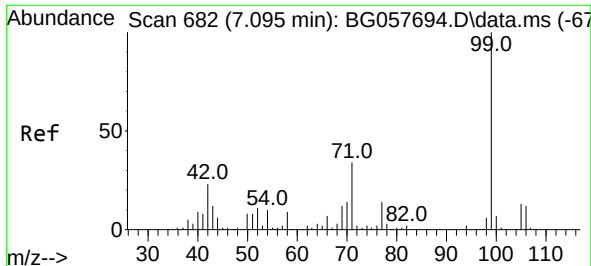


#5
2-Fluorophenol
Concen: 54.788 ng
RT: 5.514 min Scan# 413
Delta R.T. 0.004 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:112 Resp: 133978
Ion Ratio Lower Upper
112 100
64 69.8 62.3 93.5
63 37.8 31.5 47.3





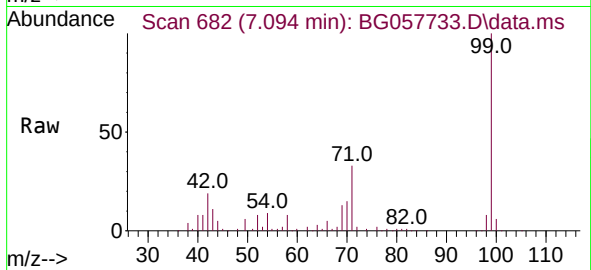
#7
Phenol-d6
Concen: 48.998 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

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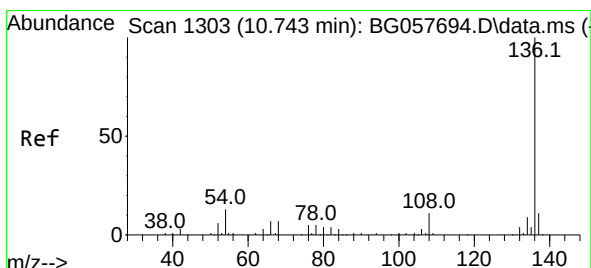
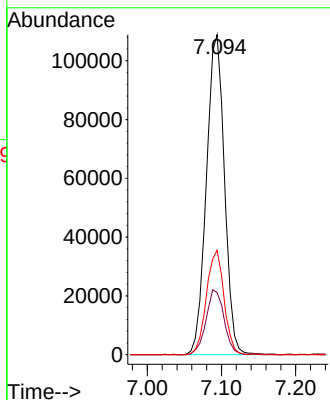
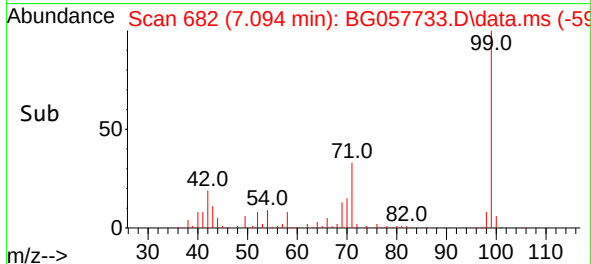


Tgt Ion: 99 Resp: 184072
Ion Ratio Lower Upper
99 100
42 19.4 18.3 27.5
71 32.6 27.5 41.3

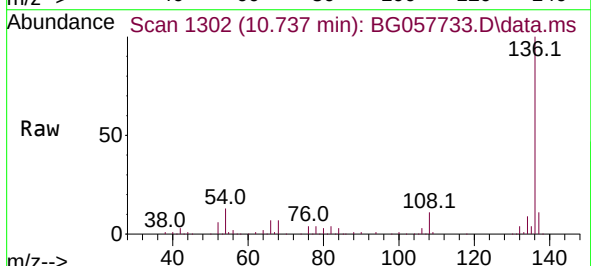
Manual Integrations

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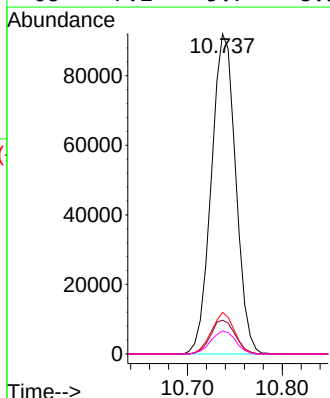
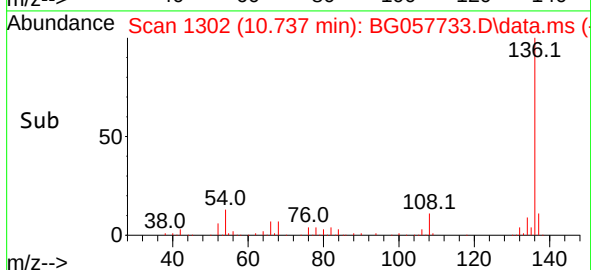
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

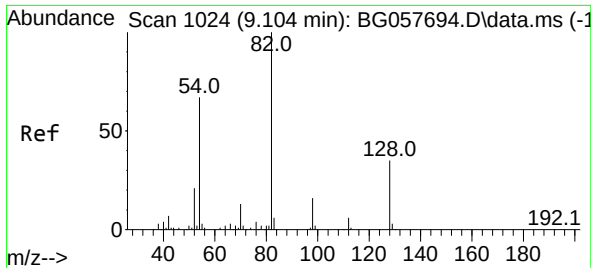


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 1302
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:136 Resp: 164346
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 13.0 10.8 16.2
68 7.2 5.7 8.5





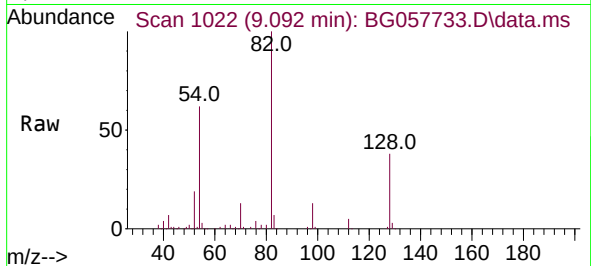
#23
Nitrobenzene-d5
Concen: 46.222 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

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COMP-SB-26

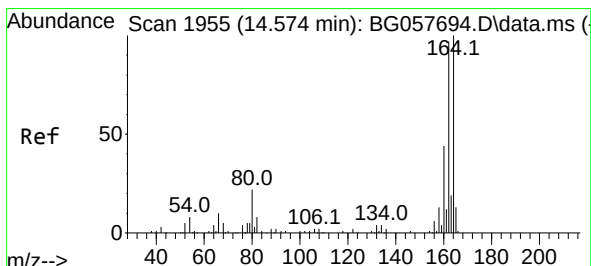
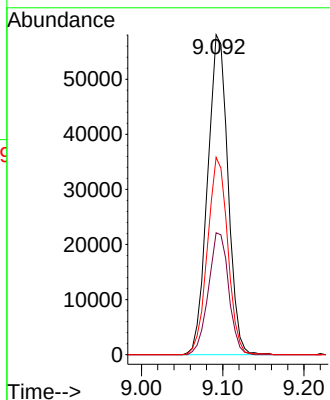
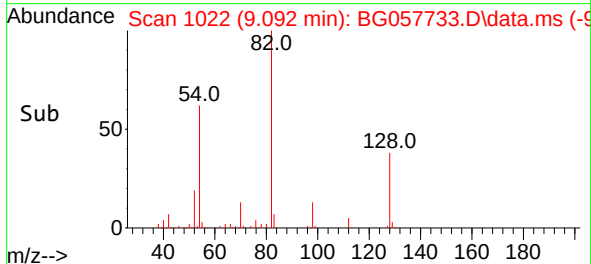


Tgt Ion: 82 Resp: 10121
Ion Ratio Lower Upper
82 100
128 38.1 27.7 41.5
54 61.6 53.8 80.8

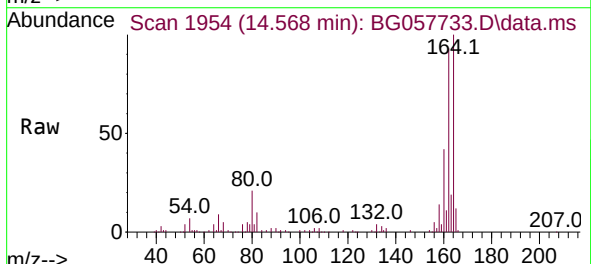
Manual Integrations

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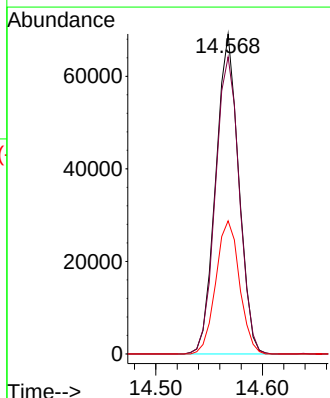
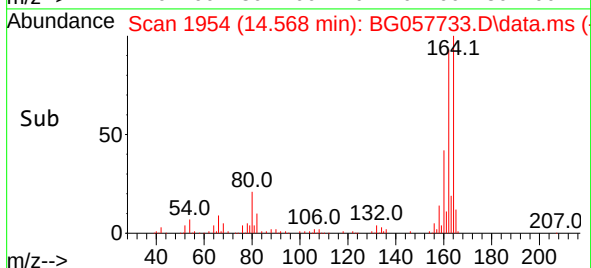
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

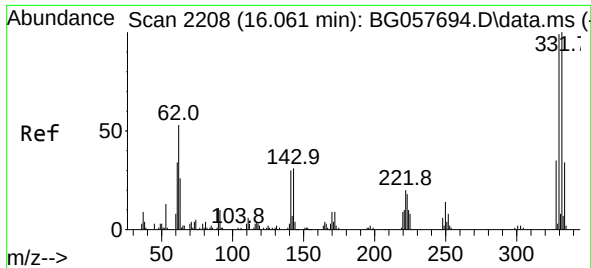


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:164 Resp: 103331
Ion Ratio Lower Upper
164 100
162 92.8 77.7 116.5
160 41.6 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 53.255 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

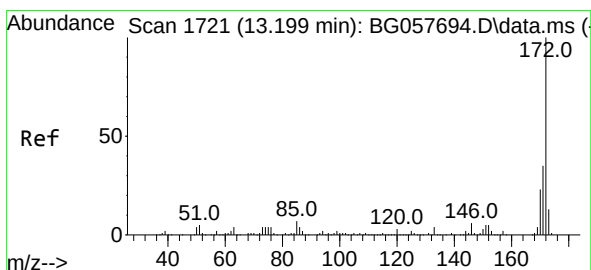
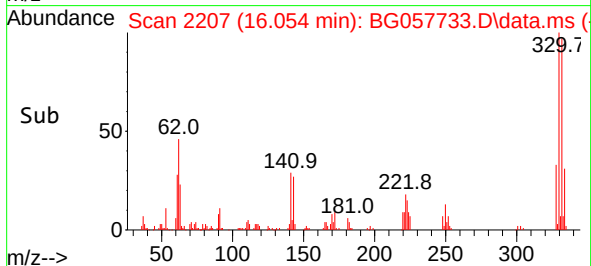
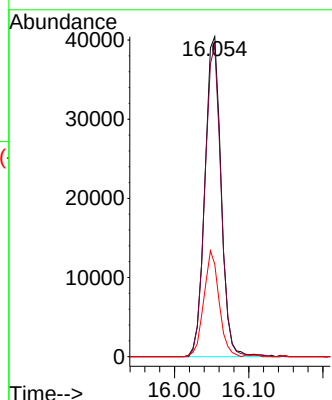
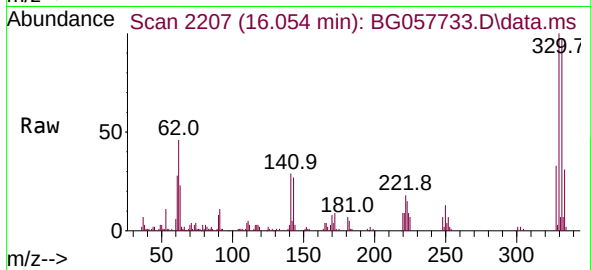
COMP-SB-26

Tgt Ion:330 Resp: 6139
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.6
141 31.2 25.0 37.6

Manual Integrations

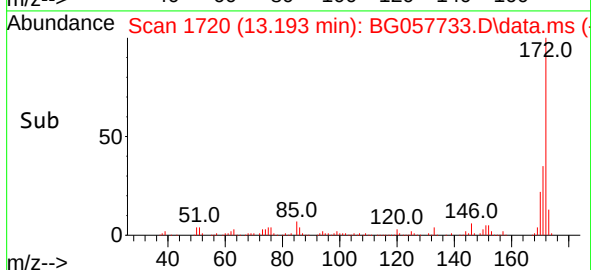
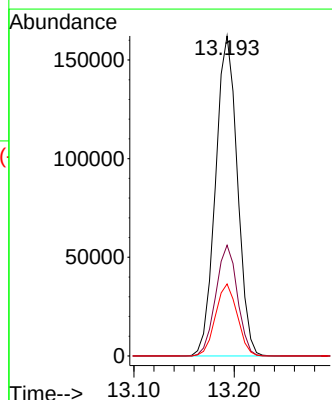
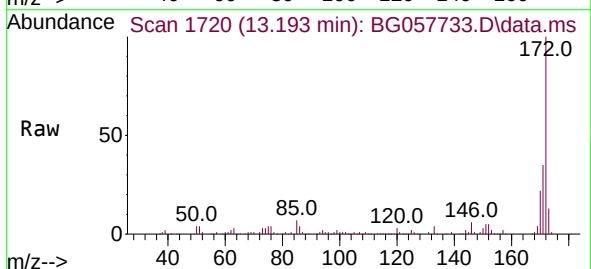
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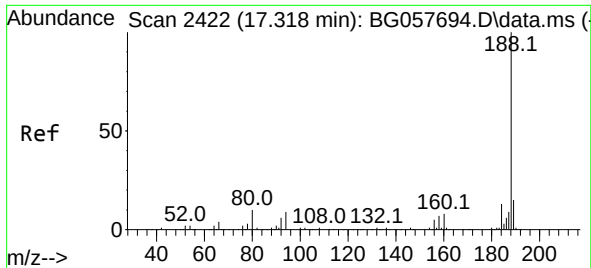
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#45
2-Fluorobiphenyl
Concen: 35.288 ng
RT: 13.193 min Scan# 1720
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:172 Resp: 244622
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 22.5 18.2 27.4





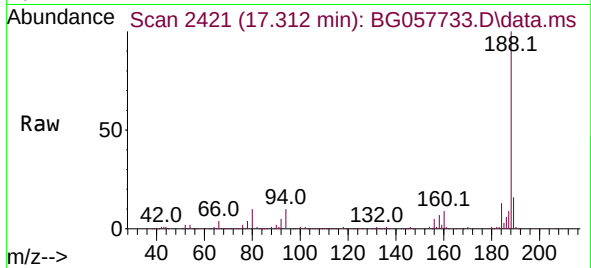
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

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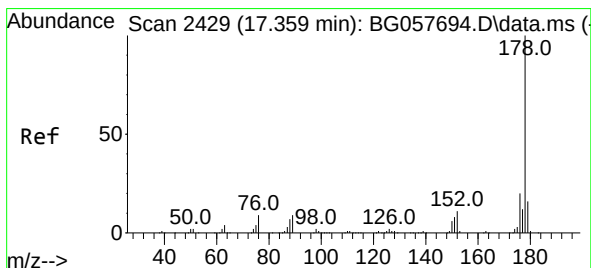
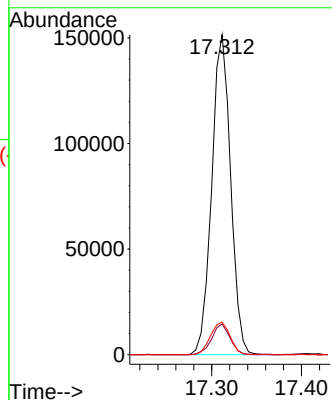
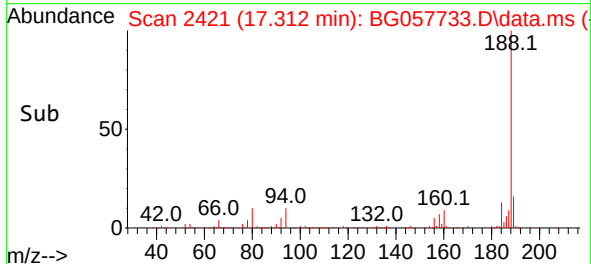


Tgt Ion:188 Resp: 22091
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 10.1 8.2 12.4

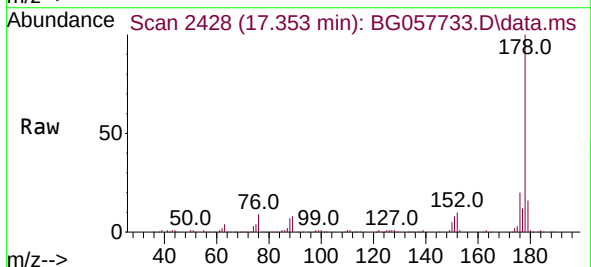
Manual Integrations

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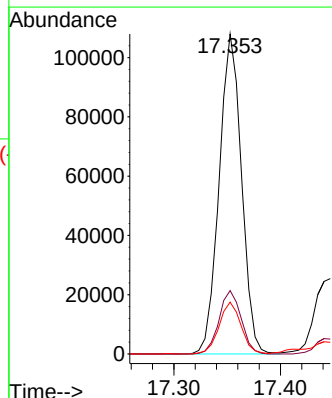
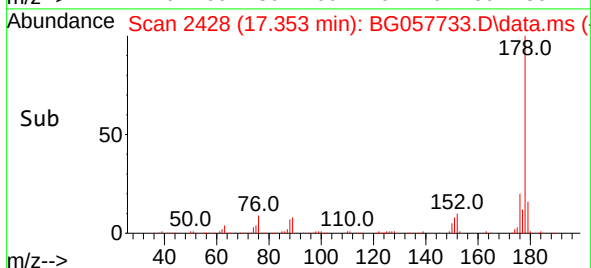
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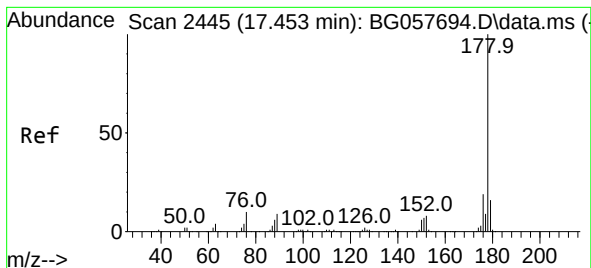


#71
Phenanthrene
Concen: 14.581 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:178 Resp: 157186
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 16.2 13.0 19.6





#72

Anthracene

Concen: 3.521 ng

RT: 17.447 min Scan# 2444

Delta R.T. -0.002 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

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BNA_G

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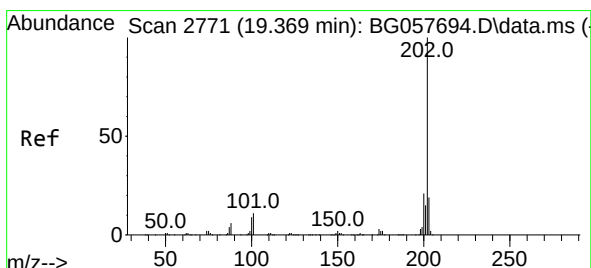
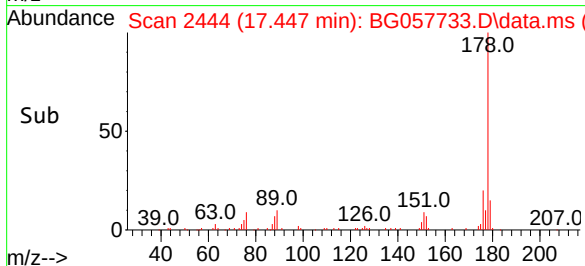
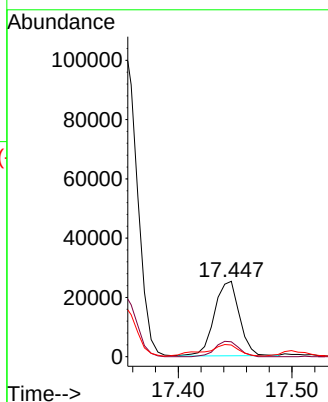
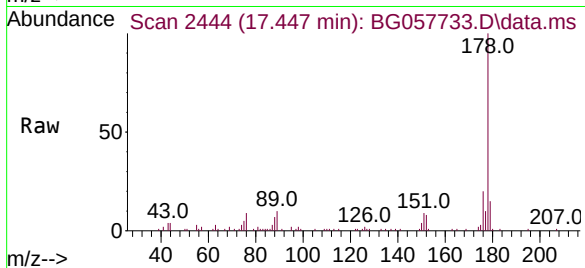
Tgt Ion:178 Resp: 38454
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.4 12.9 19.3

Manual Integrations

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#75

Fluoranthene

Concen: 22.226 ng

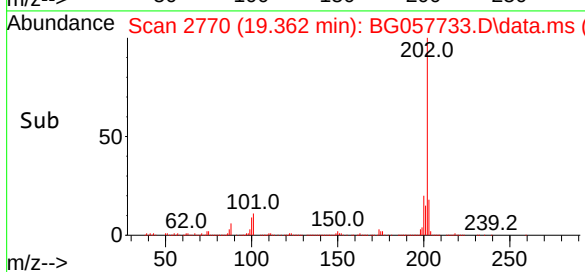
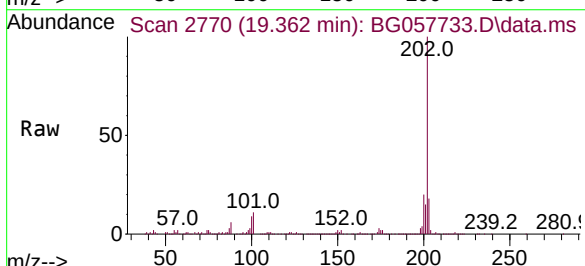
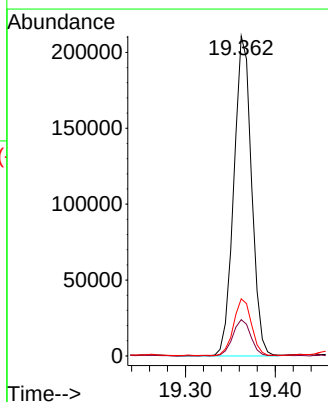
RT: 19.362 min Scan# 2770

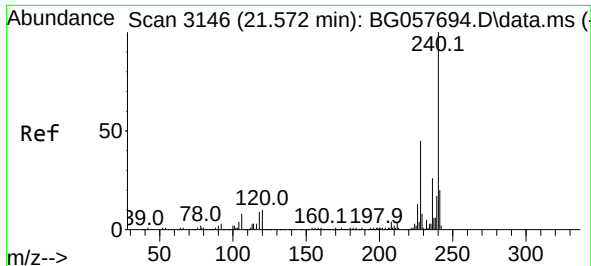
Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Tgt Ion:202 Resp: 288640
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.1
 203 17.9 0.0 38.5





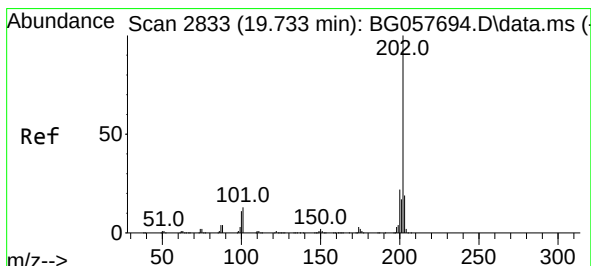
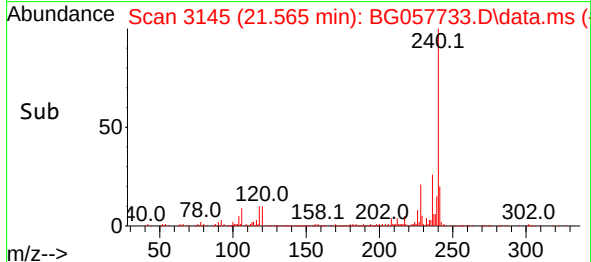
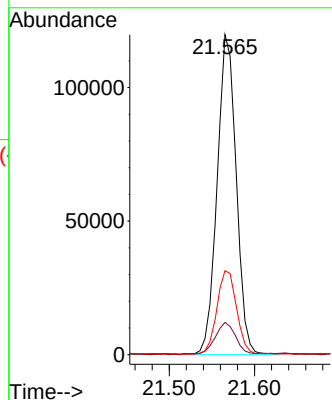
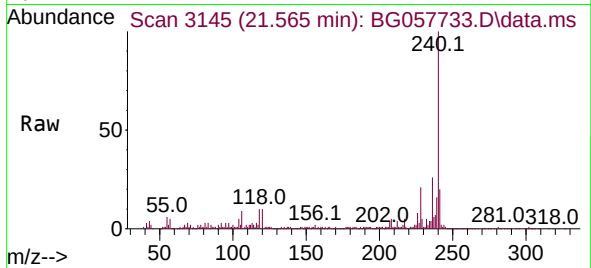
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :
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ClientSampleId :
COMP-SB-26

Tgt Ion:240 Resp: 18666
Ion Ratio Lower Upper
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120 10.1 8.1 12.1
236 26.3 20.7 31.1

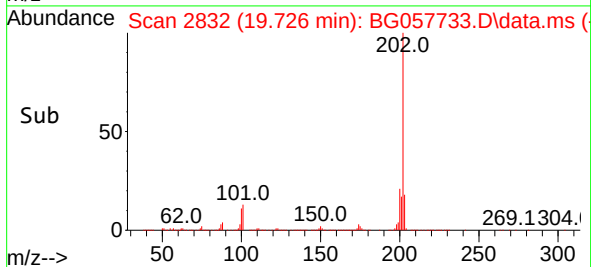
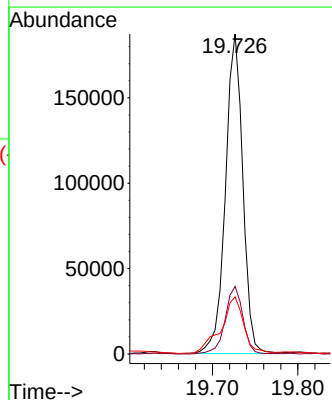
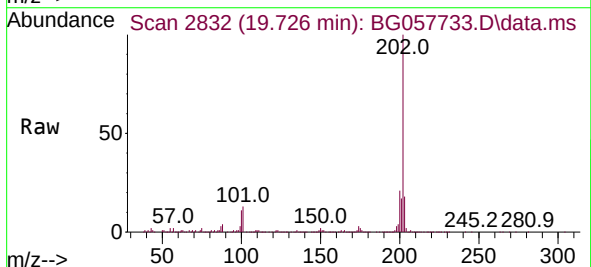
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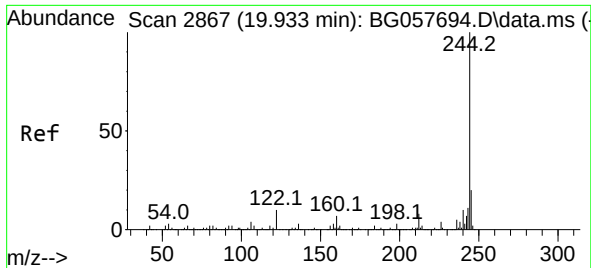
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#78
Pyrene
Concen: 19.904 ng
RT: 19.726 min Scan# 2832
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Tgt Ion:202 Resp: 264350
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.0
203 17.8 14.9 22.3





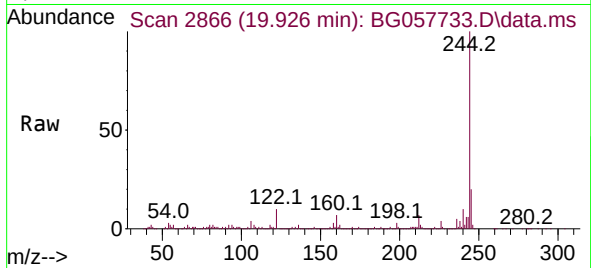
#79
 Terphenyl-d14
 Concen: 35.778 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057733.D
 Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

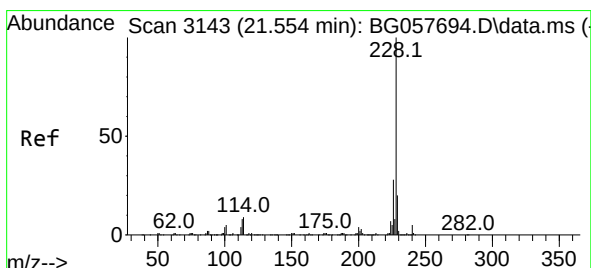
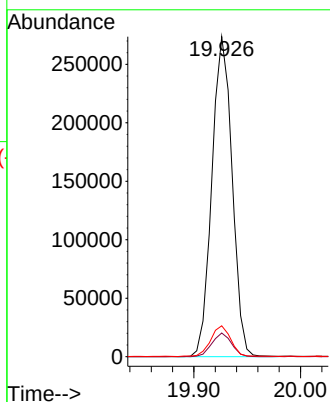
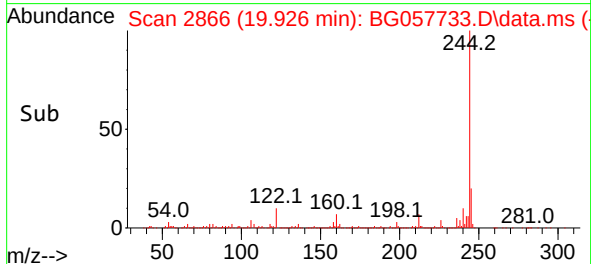


Tgt Ion:244 Resp: 361215
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.7 7.7 11.5

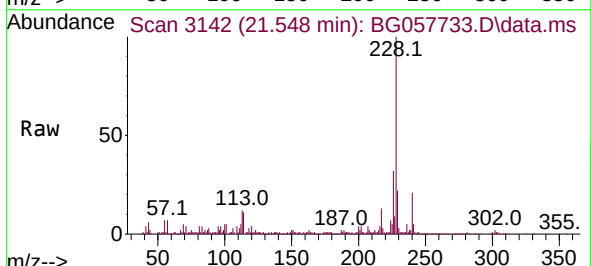
Manual Integrations

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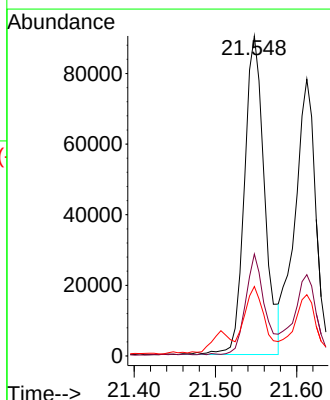
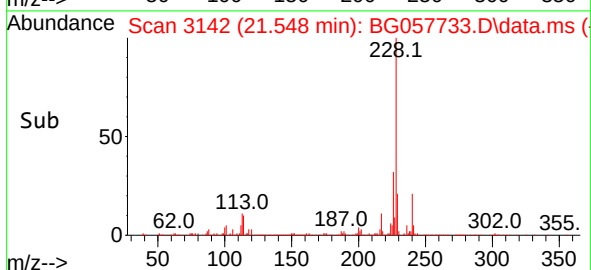
Reviewed By :Yogesh Patel 06/16/2023
 Supervised By :mohammad ahmed 06/16/2023

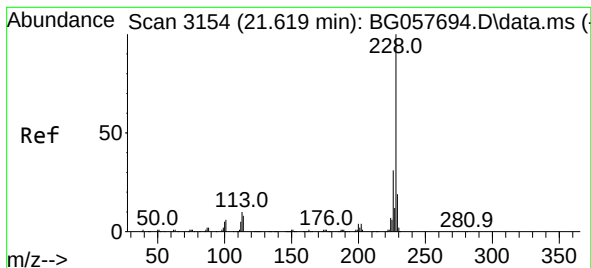


#81
 Benzo(a)anthracene
 Concen: 12.071 ng
 RT: 21.548 min Scan# 3142
 Delta R.T. -0.008 min
 Lab File: BG057733.D
 Acq: 15 Jun 2023 20:57



Tgt Ion:228 Resp: 155606
 Ion Ratio Lower Upper
 228 100
 226 31.9 22.4 33.6
 229 21.7 15.9 23.9





#83

Chrysene

Concen: 11.371 ng

RT: 21.612 min Scan# 3154

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

Tgt Ion:228 Resp: 13949

Ion Ratio Lower Upper

228 100

226 29.4 24.6 36.8

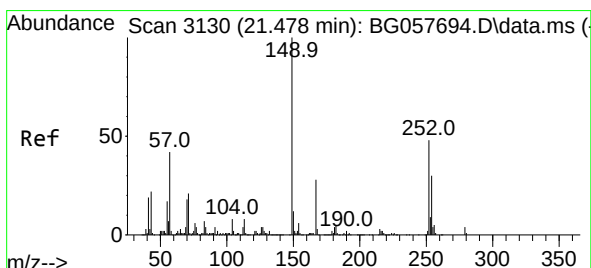
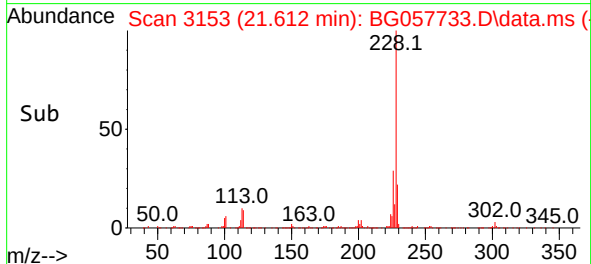
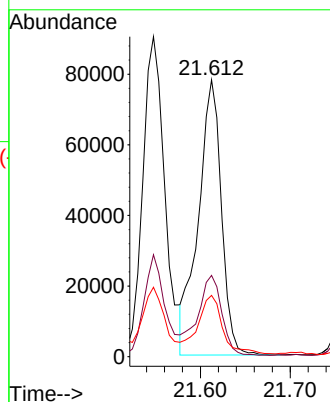
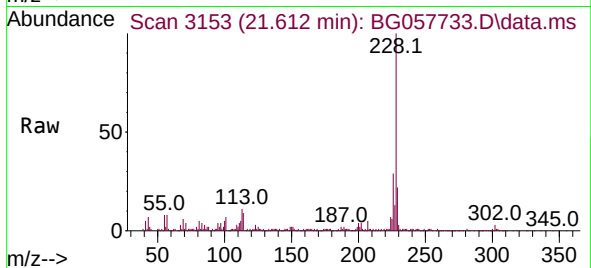
229 22.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/16/2023

Supervised By :mohammad ahmed 06/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.945 ng

RT: 21.465 min Scan# 3128

Delta R.T. -0.008 min

Lab File: BG057733.D

Acq: 15 Jun 2023 20:57

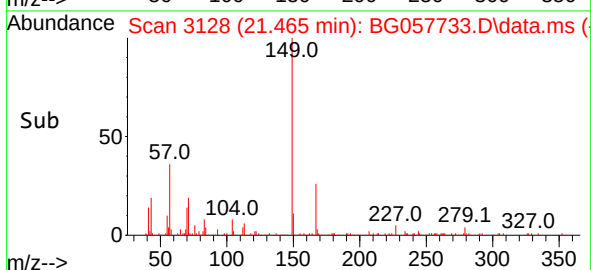
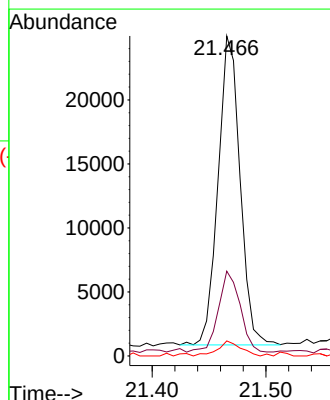
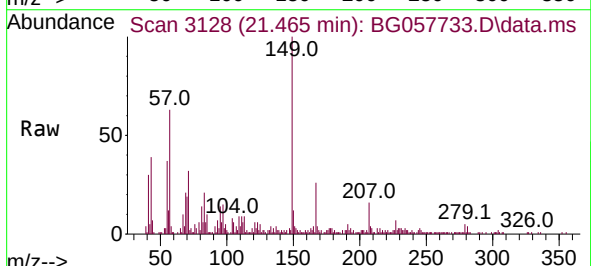
Tgt Ion:149 Resp: 32356

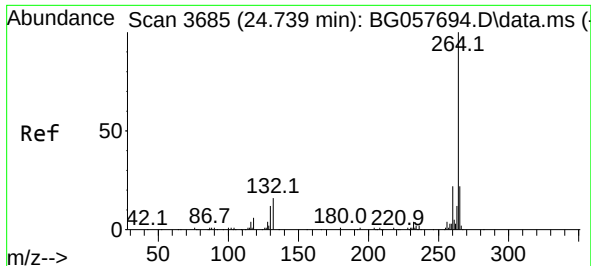
Ion Ratio Lower Upper

149 100

167 26.5 22.1 33.1

279 4.7 3.0 4.4





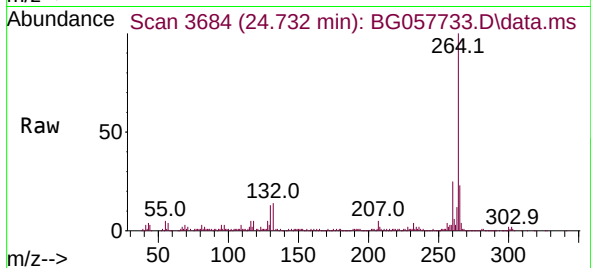
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.732 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

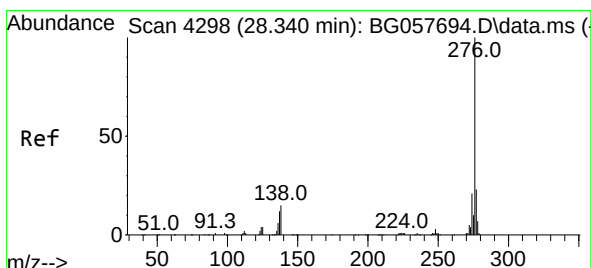
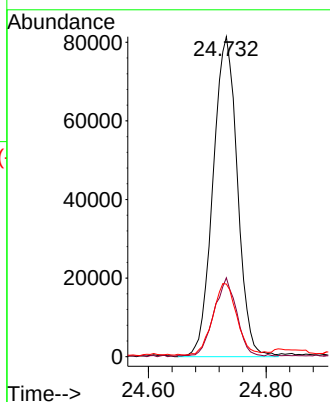
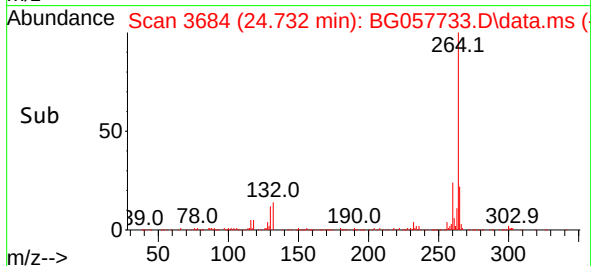


Tgt Ion:264 Resp: 23419
Ion Ratio Lower Upper
264 100
260 24.7 17.3 25.9
265 22.7 17.5 26.3

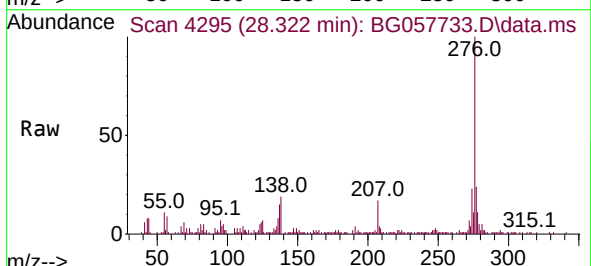
Manual Integrations

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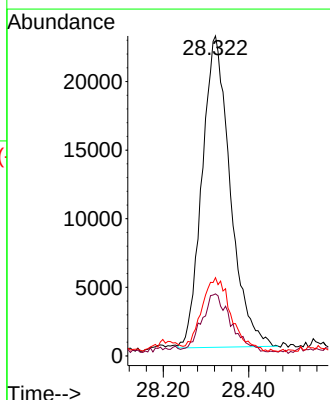
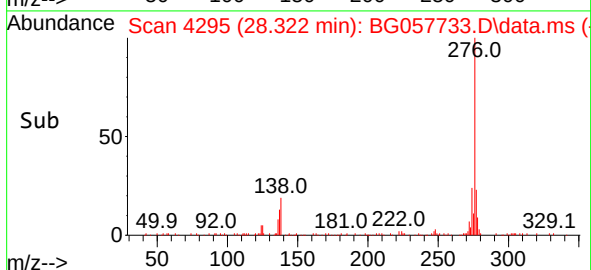
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

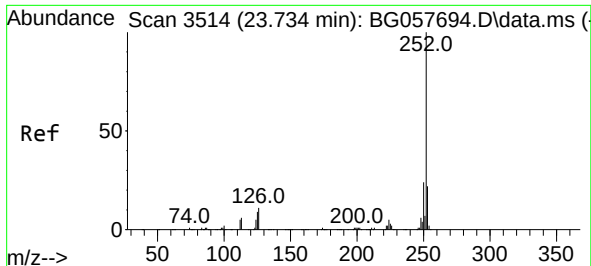


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.871 ng
RT: 28.322 min Scan# 4295
Delta R.T. -0.025 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:276 Resp: 104126
Ion Ratio Lower Upper
276 100
138 19.4 11.9 17.9#
277 24.8 20.2 30.2





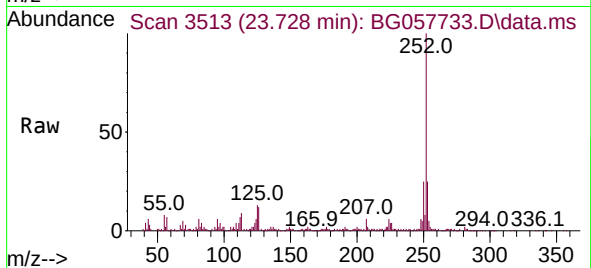
#88
Benzo(b)fluoranthene
Concen: 15.930 ng
RT: 23.728 min Scan# 3513
Delta R.T. -0.002 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

COMP-SB-26

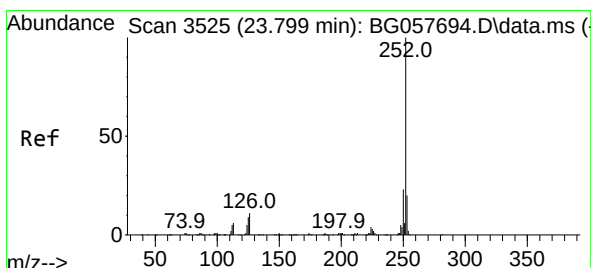
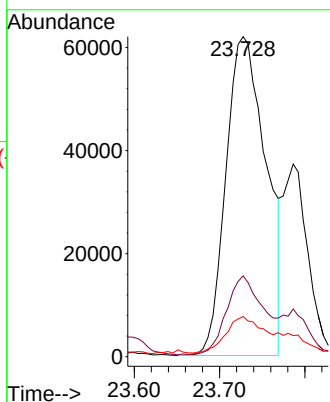
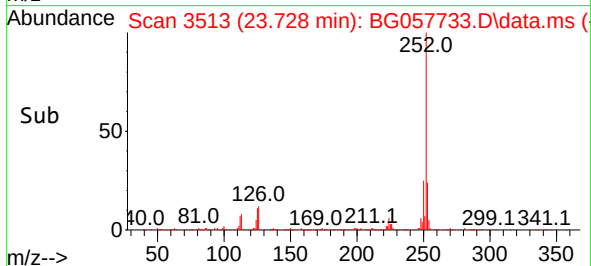


Tgt Ion:252 Resp: 202380
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.2
125 12.6 7.1 10.7

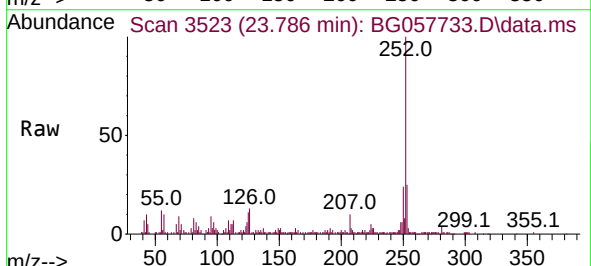
Manual Integrations

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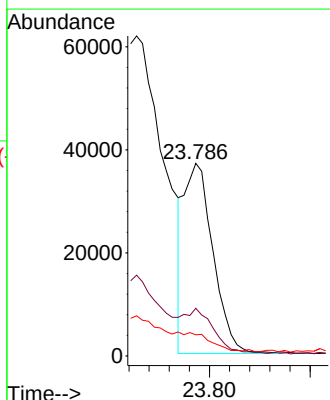
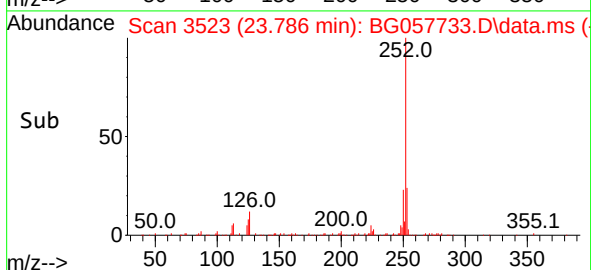
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023

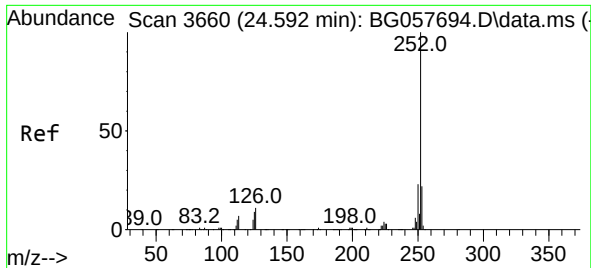


#89
Benzo(k)fluoranthene
Concen: 5.608 ng m
RT: 23.786 min Scan# 3523
Delta R.T. -0.014 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57



Tgt Ion:252 Resp: 73901
Ion Ratio Lower Upper
252 100
253 24.8 16.6 25.0
125 11.0 7.3 10.9





#90
Benzo(a)pyrene
Concen: 12.214 ng
RT: 24.579 min Scan# 30
Delta R.T. -0.008 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :

BNA_G

ClientSampleId :

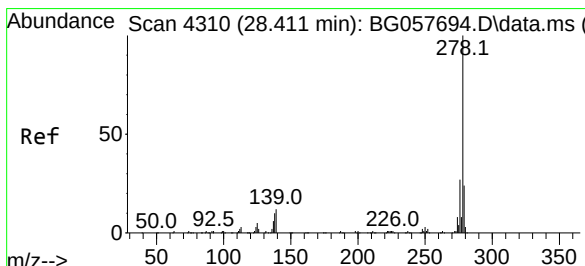
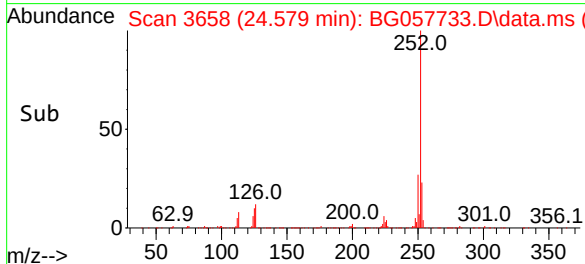
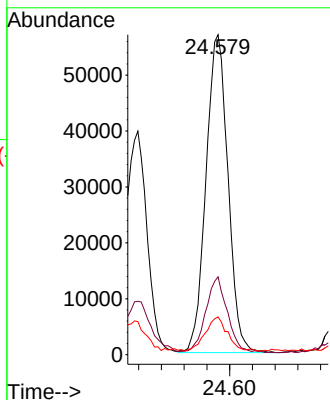
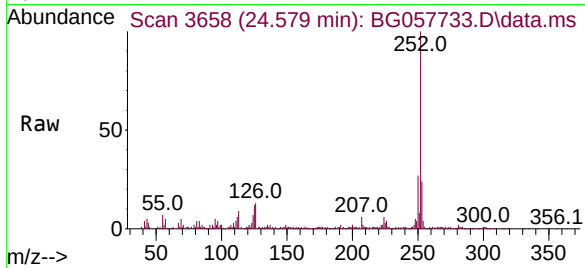
COMP-SB-26

Tgt Ion:252 Resp: 152579
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 11.8 7.4 11.2

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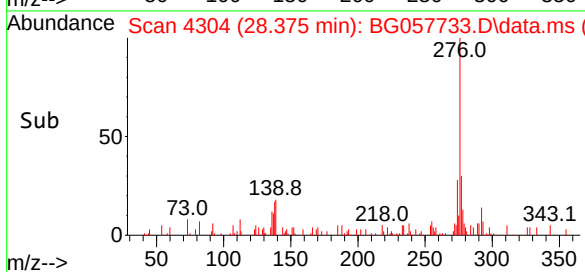
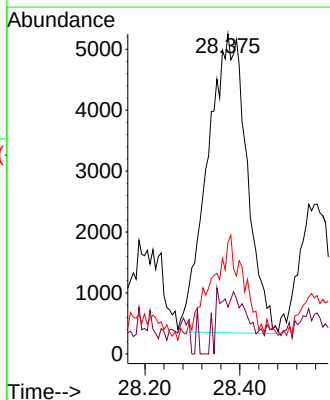
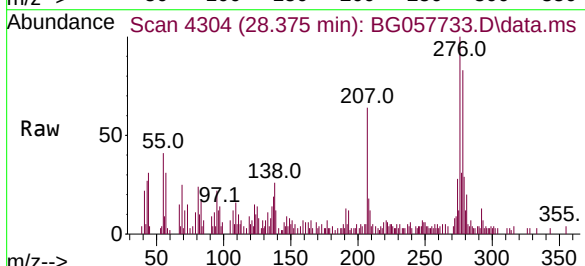
APPROVED

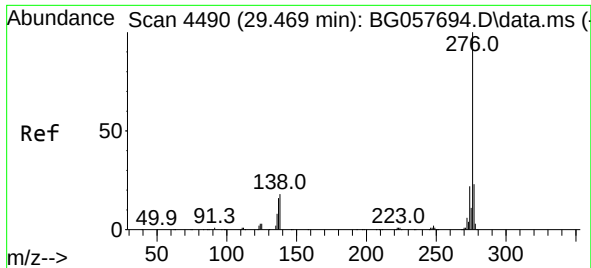
Reviewed By :Yogesh Patel 06/16/2023
Supervised By :mohammad ahmed 06/16/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.269 ng
RT: 28.375 min Scan# 4304
Delta R.T. -0.037 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

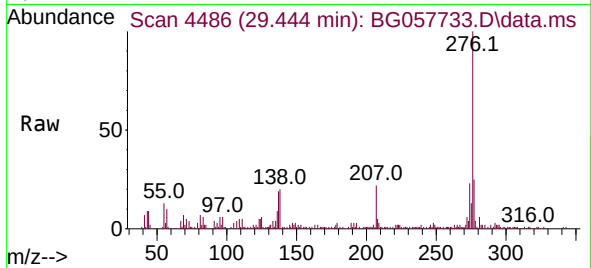
Tgt Ion:278 Resp: 28416
Ion Ratio Lower Upper
278 100
139 14.6 10.0 15.0
279 34.9 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 8.432 ng
RT: 29.444 min Scan# 44
Delta R.T. -0.025 min
Lab File: BG057733.D
Acq: 15 Jun 2023 20:57

Instrument :
BNA_G
ClientSampleId :
COMP-SB-26



Tgt Ion:276 Resp: 10538
Ion Ratio Lower Upper
276 100
277 25.4 18.1 27.1
138 20.4 14.6 21.8

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

