

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059773.D
 Acq On : 20 Nov 2023 17:47
 Operator : MA/JU
 Sample : 05311-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 20 18:23:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.326	152	23710	20.000	ng	#-0.02
21) Naphthalene-d8	11.182	136	107931	20.000	ng	#-0.01
39) Acenaphthene-d10	14.960	164	92234	20.000	ng	#-0.01
64) Phenanthrene-d10	17.709	188	199939	20.000	ng	#-0.01
76) Chrysene-d12	22.039	240	125093	20.000	ng	-0.01
86) Perylene-d12	25.612	264	152173	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.823	112	130233	92.450	ng	0.00
7) Phenol-d6	7.457	99	214641	102.821	ng	0.00
23) Nitrobenzene-d5	9.531	82	195166	69.061	ng	-0.01
42) 2,4,6-Tribromophenol	16.446	330	112316	107.324	ng	-0.01
45) 2-Fluorobiphenyl	13.585	172	450094	65.686	ng	-0.01
79) Terphenyl-d14	20.289	244	615659	72.655	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.750	178	104285	10.259	ng	98
72) Anthracene	17.844	178	22302	2.112	ng	95
75) Fluoranthene	19.748	202	165581	13.583	ng	91
78) Pyrene	20.112	202	106683	12.534	ng	96
81) Benzo(a)anthracene	22.016	228	62532	7.306	ng	95
83) Chrysene	22.086	228	59960	7.642	ng	91
87) Indeno(1,2,3-cd)pyrene	29.754	276	49447	4.294	ng	# 99
88) Benzo(b)fluoranthene	24.454	252	73595	8.824	ng	# 97
89) Benzo(k)fluoranthene	24.501	252	36382m	4.412	ng	
90) Benzo(a)pyrene	25.441	252	58311	6.551	ng	# 94
92) Benzo(g,h,i)perylene	31.070	276	47053	5.090	ng	# 84

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

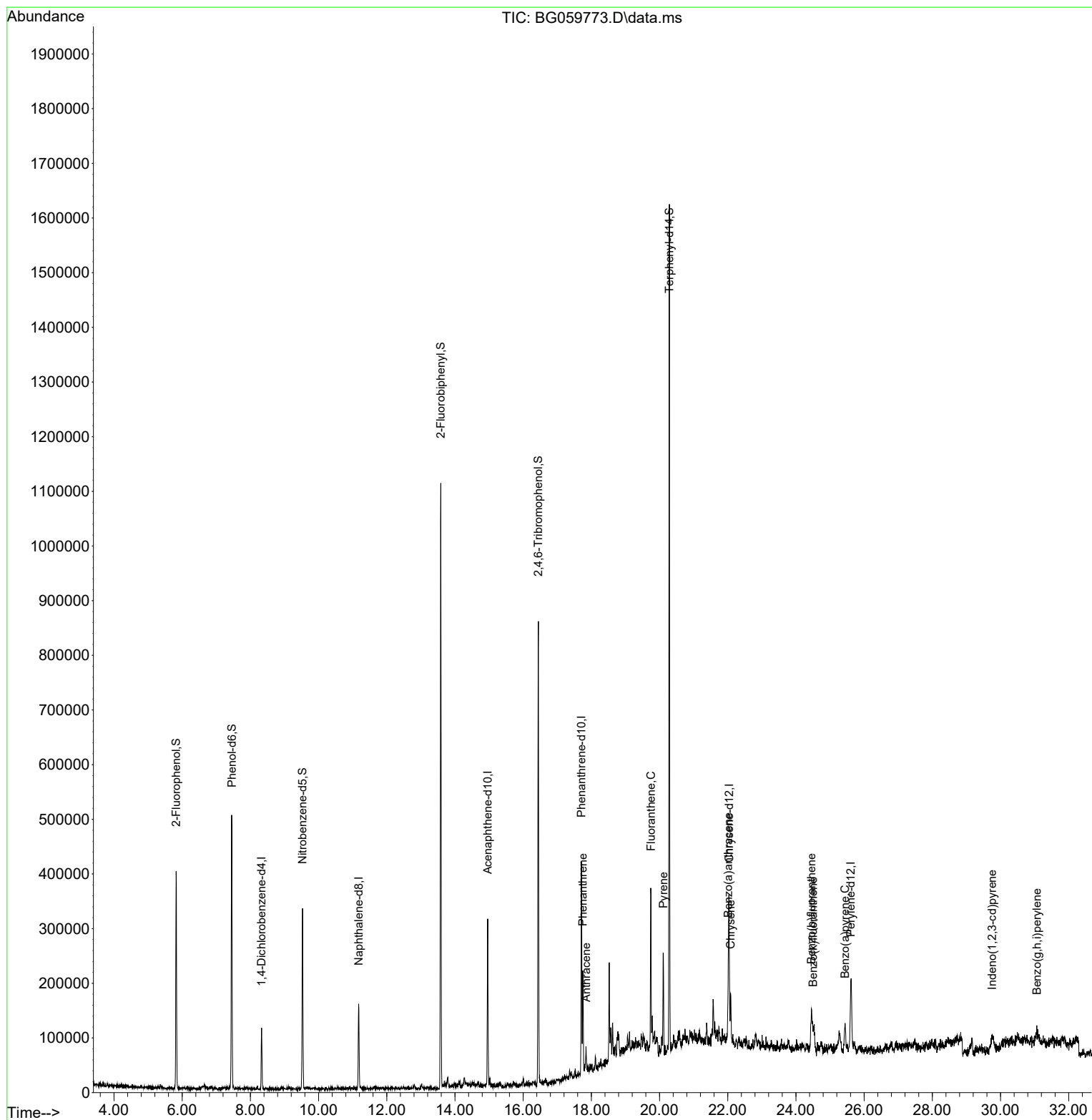
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Data File : BG059773.D
Acq On : 20 Nov 2023 17:47
Operator : MA/JU
Sample : 05311-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

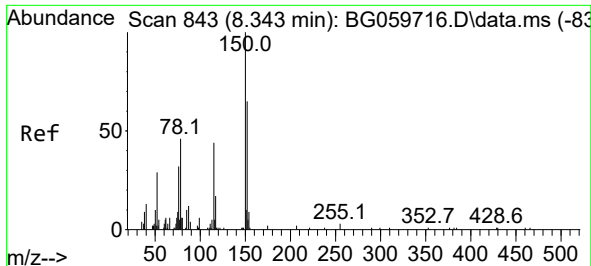
Instrument :
BNA_G
ClientSampleId :
TP-6

Quant Time: Nov 20 18:23:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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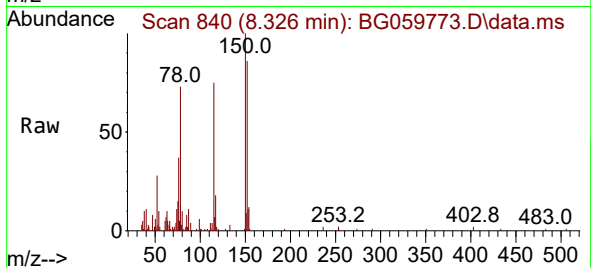
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.326 min Scan# 843
Delta R.T. -0.017 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

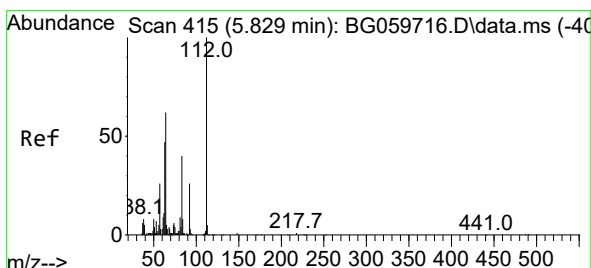
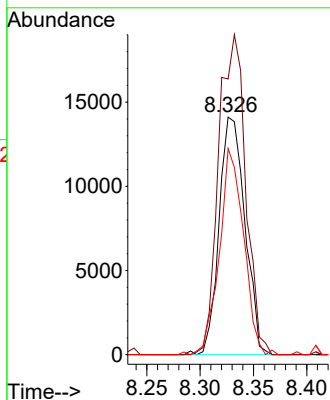
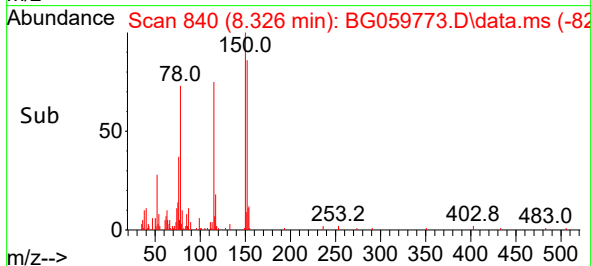
Instrument :
BNA_G
ClientSampleId :
TP-6



Tgt Ion:152 Resp: 23710
Ion Ratio Lower Upper
152 100
150 116.0 122.2 183.4
115 86.7 54.2 81.4

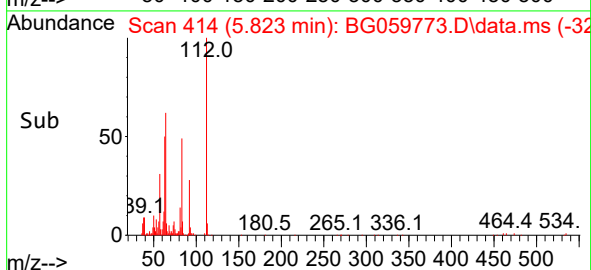
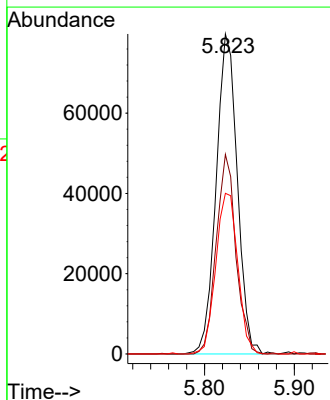
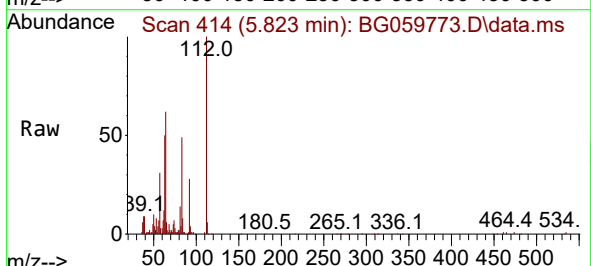
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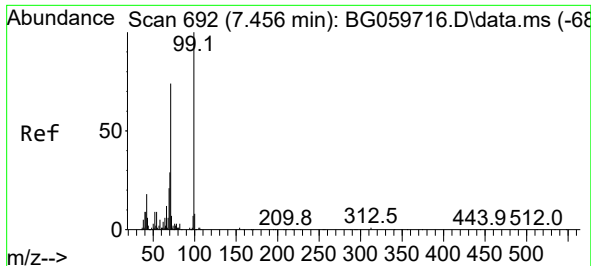
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 92.450 ng
RT: 5.823 min Scan# 414
Delta R.T. -0.005 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

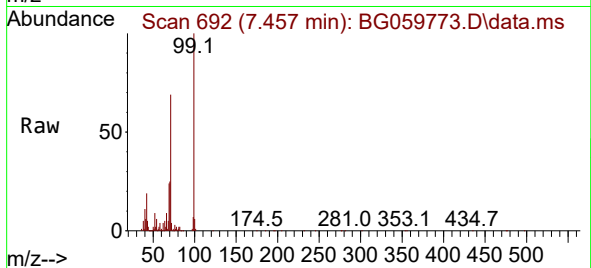
Tgt Ion:112 Resp: 130233
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 50.2 37.4 56.2





#7
Phenol-d6
Concen: 102.821 ng
RT: 7.457 min Scan# 692
Delta R.T. 0.000 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

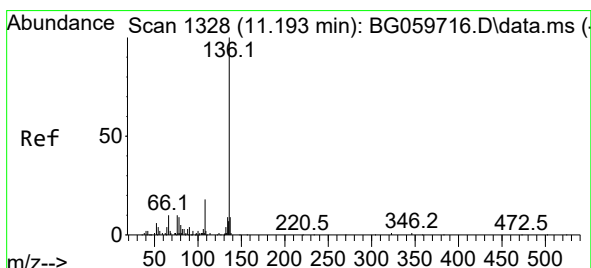
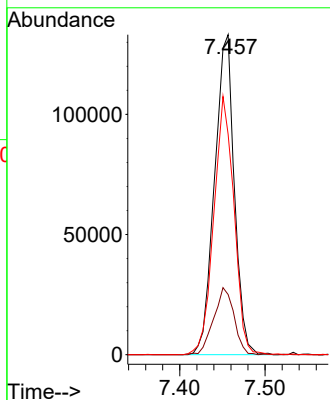
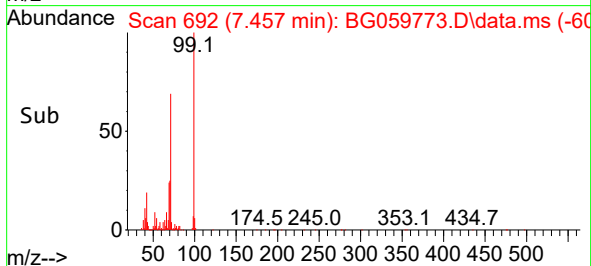
Instrument :
BNA_G
ClientSampleId :
TP-6



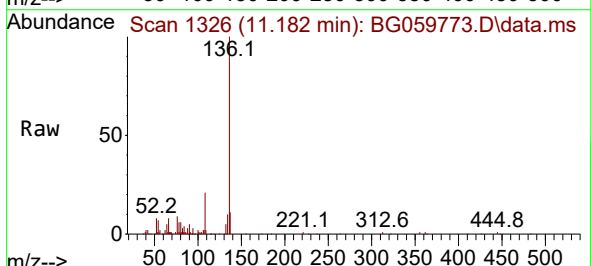
Tgt Ion: 99 Resp: 21464
Ion Ratio Lower Upper
99 100
42 18.8 14.3 21.5
71 68.9 59.3 88.9

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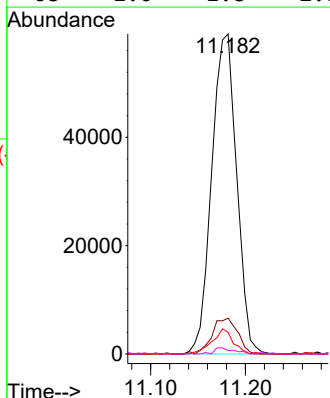
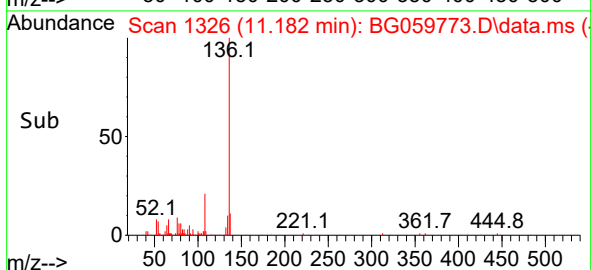
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

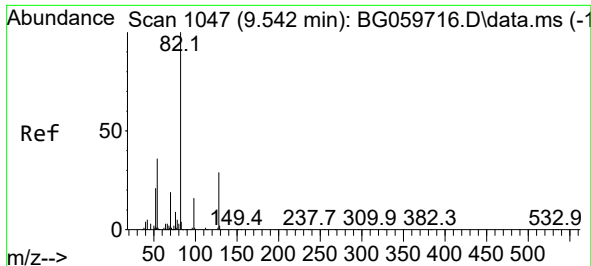


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.182 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47



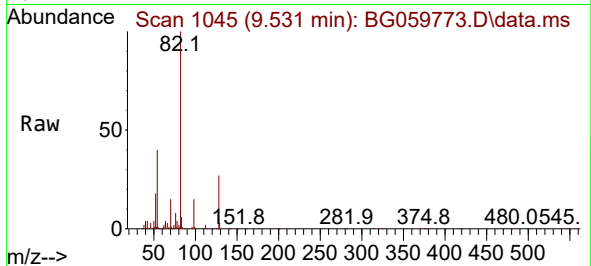
Tgt Ion:136 Resp: 107931
Ion Ratio Lower Upper
136 100
137 11.2 7.4 11.0#
54 6.7 3.1 4.7#
68 1.0 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 69.061 ng
RT: 9.531 min Scan# 1045
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

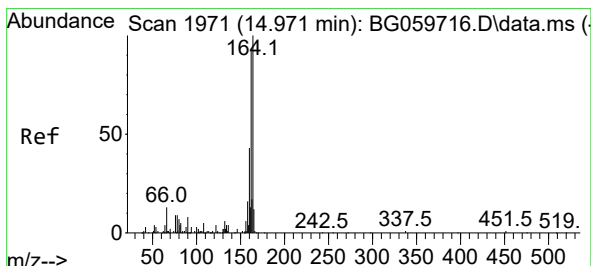
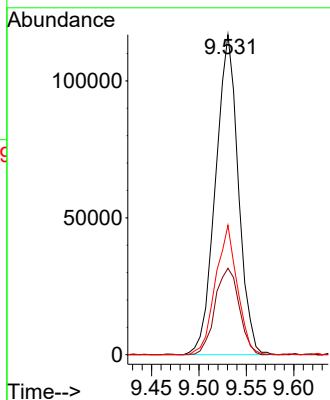
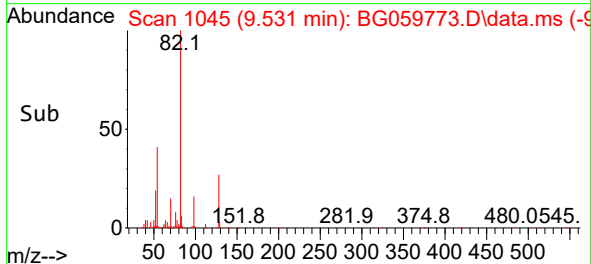
Instrument :
BNA_G
ClientSampleId :
TP-6



Tgt Ion: 82 Resp: 195160
Ion Ratio Lower Upper
82 100
128 27.0 23.0 34.6
54 40.5 28.7 43.1

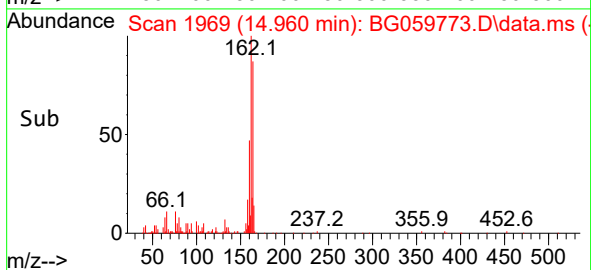
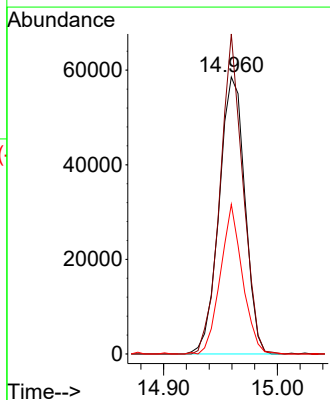
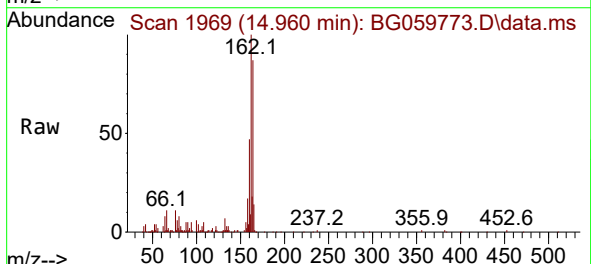
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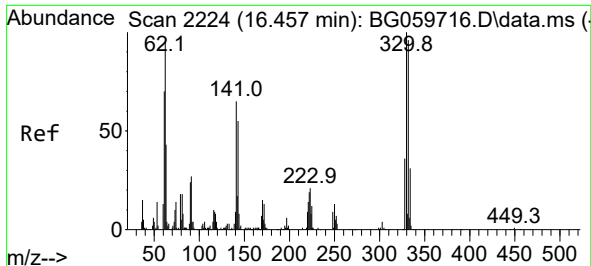
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.960 min Scan# 1969
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

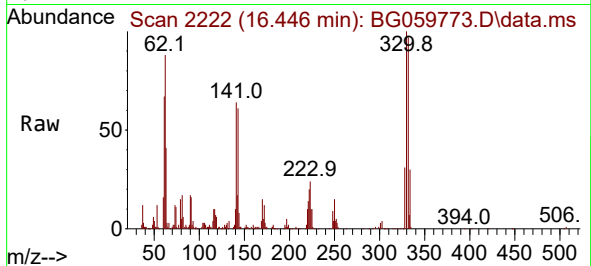
Tgt Ion:164 Resp: 92234
Ion Ratio Lower Upper
164 100
162 115.6 73.3 109.9#
160 54.0 34.1 51.1#





#42
2,4,6-Tribromophenol
Concen: 107.324 ng
RT: 16.446 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

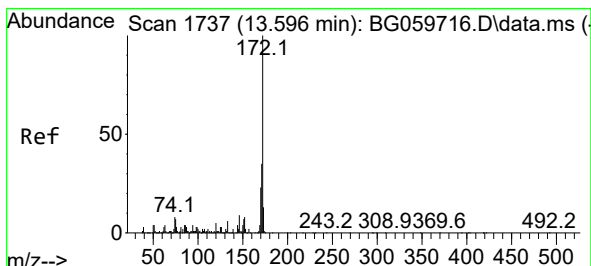
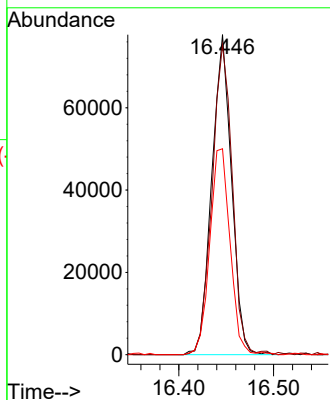
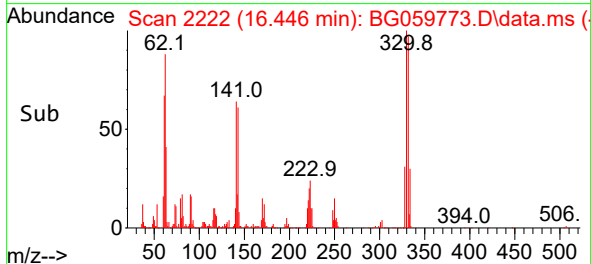
Instrument :
BNA_G
ClientSampleId :
TP-6



Tgt Ion:330 Resp: 112310
Ion Ratio Lower Upper
330 100
332 99.6 73.3 109.9
141 66.0 52.1 78.1

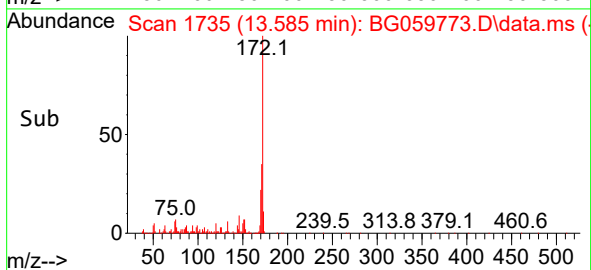
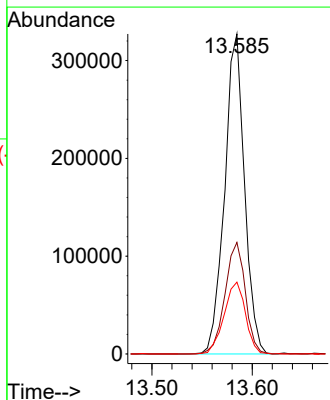
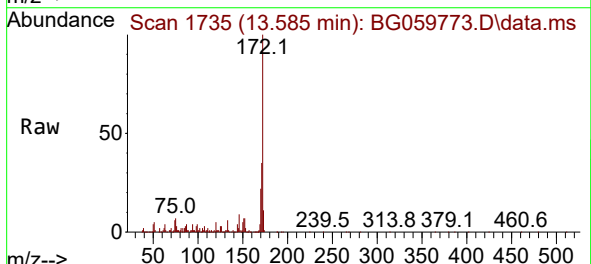
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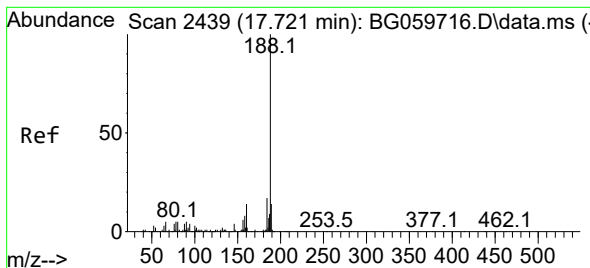
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 65.686 ng
RT: 13.585 min Scan# 1735
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:172 Resp: 450094
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 22.4 18.4 27.6





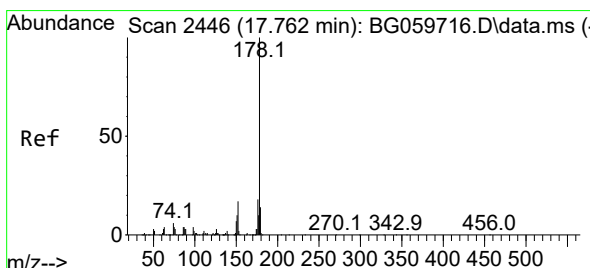
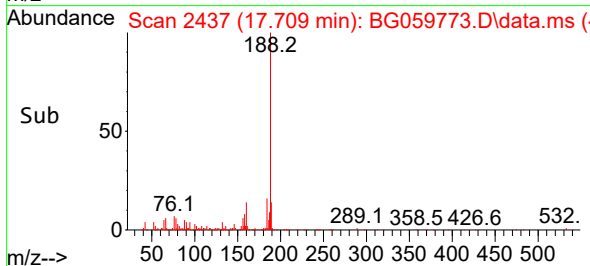
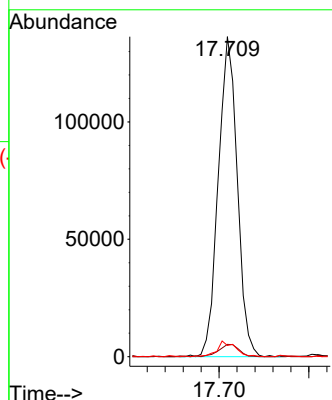
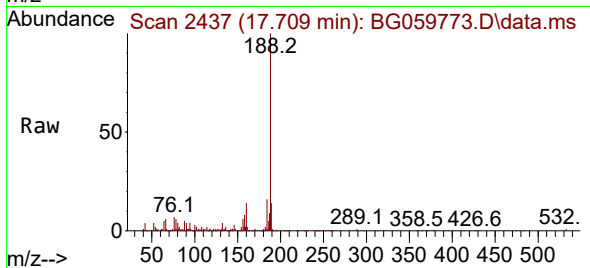
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.709 min Scan# 2439
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:188 Resp: 199939
Ion Ratio Lower Upper
188 100
94 3.9 3.0 4.4
80 3.5 4.2 6.4

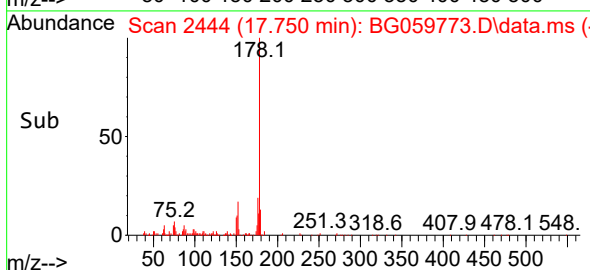
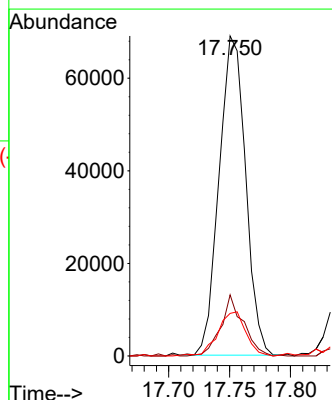
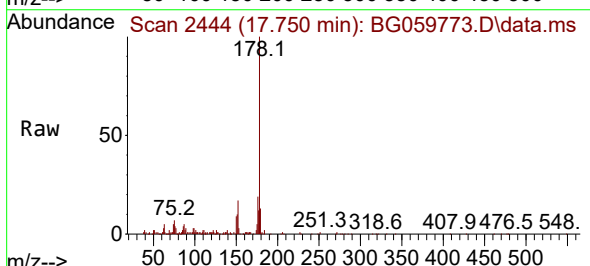
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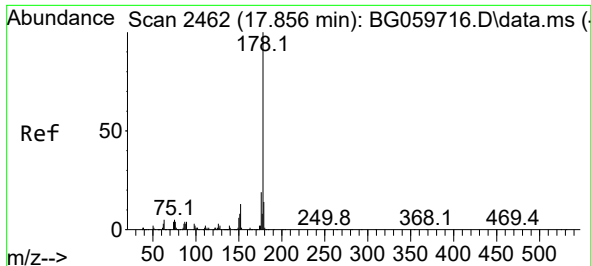
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 10.259 ng
RT: 17.750 min Scan# 2444
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:178 Resp: 104285
Ion Ratio Lower Upper
178 100
176 19.1 14.5 21.7
179 13.3 11.2 16.8





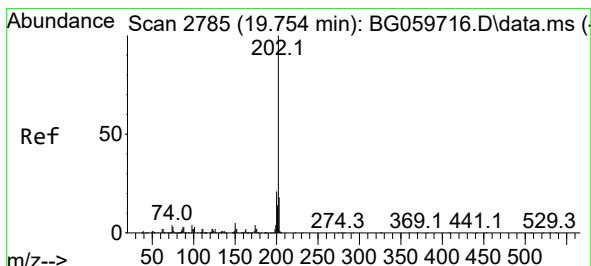
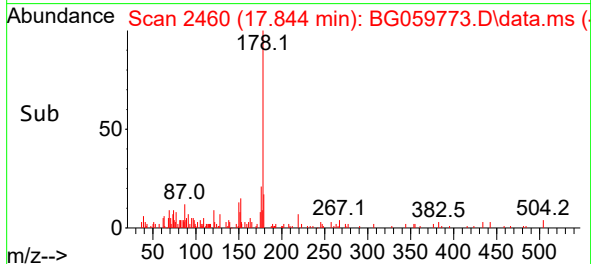
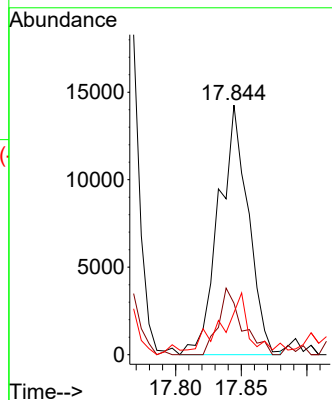
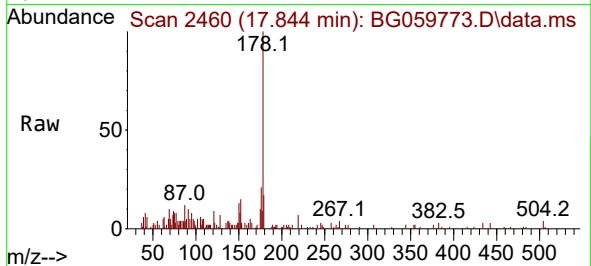
#72
 Anthracene
 Concen: 2.112 ng
 RT: 17.844 min Scan# 2460
 Delta R.T. -0.011 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:178 Resp: 22302
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.0 22.4
 179 16.8 11.5 17.3

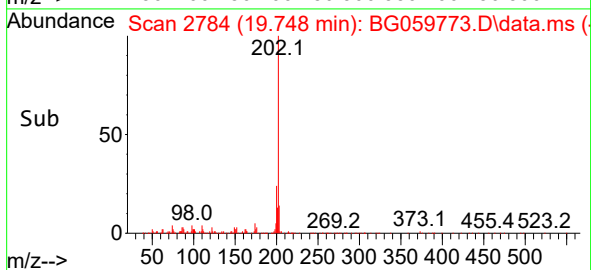
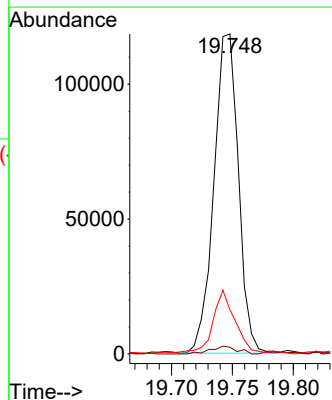
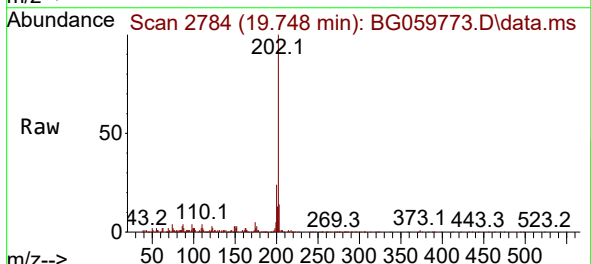
Manual Integrations
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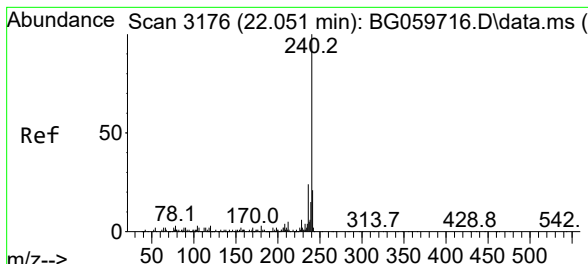
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#75
 Fluoranthene
 Concen: 13.583 ng
 RT: 19.748 min Scan# 2784
 Delta R.T. -0.006 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Tgt Ion:202 Resp: 165581
 Ion Ratio Lower Upper
 202 100
 101 2.1 0.0 22.7
 203 13.8 0.0 38.2





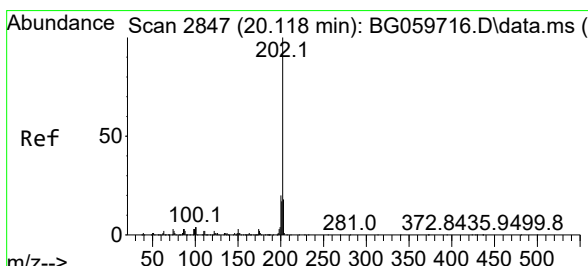
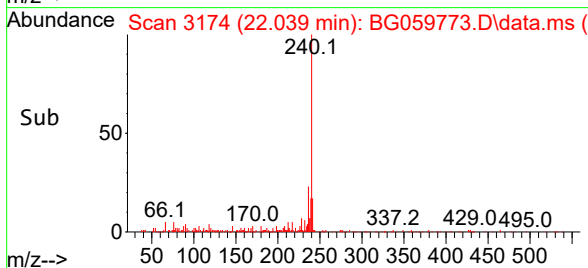
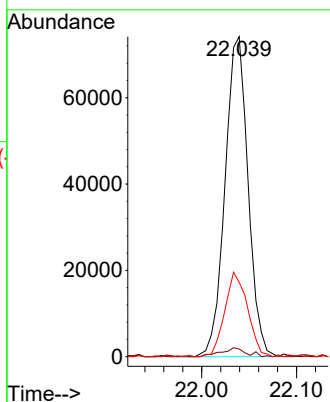
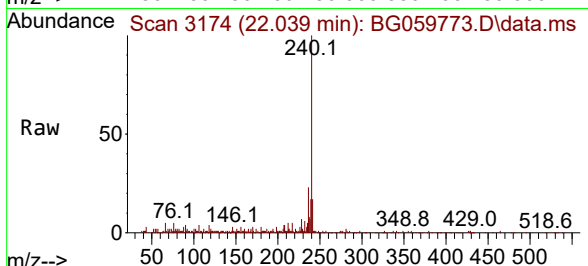
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.039 min Scan# 3176
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:240 Resp: 125093
Ion Ratio Lower Upper
240 100
120 2.4 2.2 3.2
236 23.2 19.4 29.2

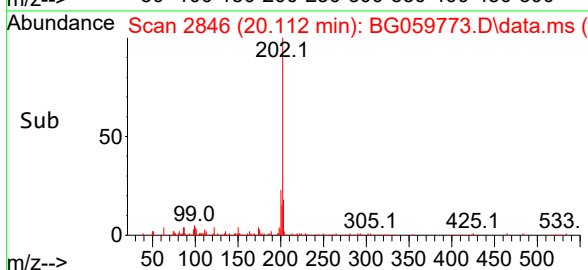
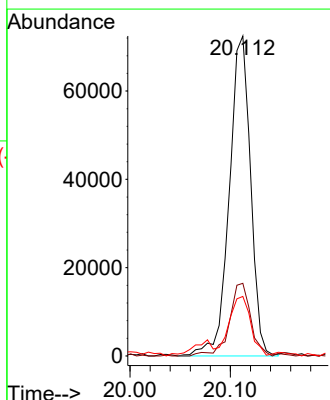
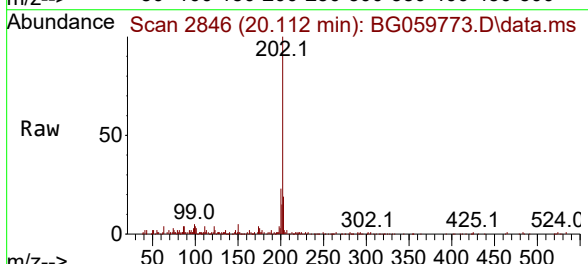
Manual Integrations
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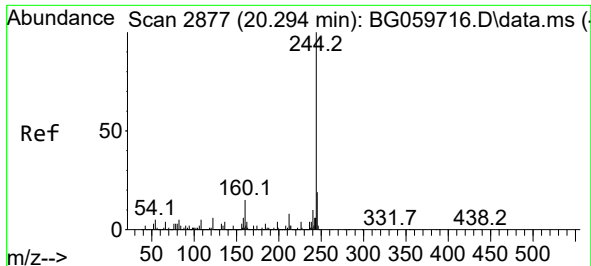
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#78
Pyrene
Concen: 12.534 ng
RT: 20.112 min Scan# 2846
Delta R.T. -0.005 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:202 Resp: 106683
Ion Ratio Lower Upper
202 100
200 22.7 16.2 24.4
203 18.6 14.0 21.0





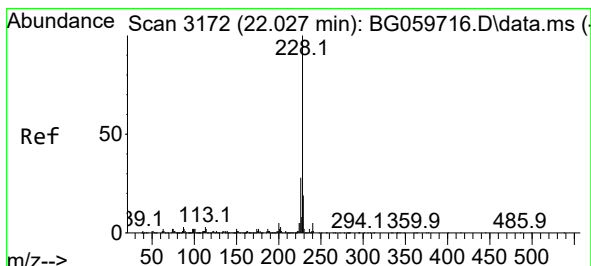
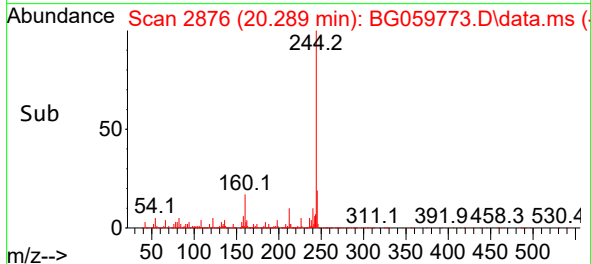
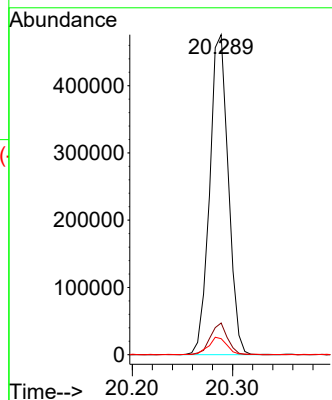
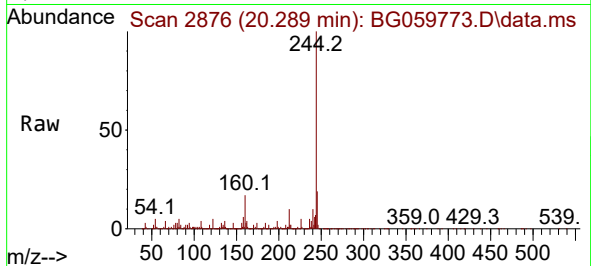
#79
 Terphenyl-d14
 Concen: 72.655 ng
 RT: 20.289 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:244 Resp: 615659
 Ion Ratio Lower Upper
 244 100
 212 9.9 6.6 10.0
 122 5.0 4.4 6.6

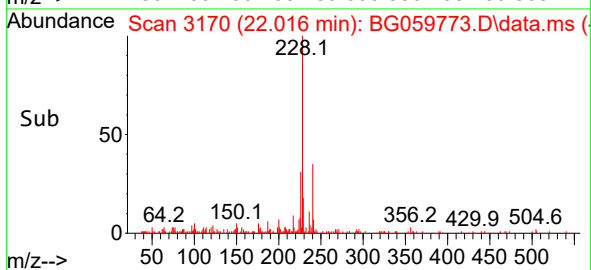
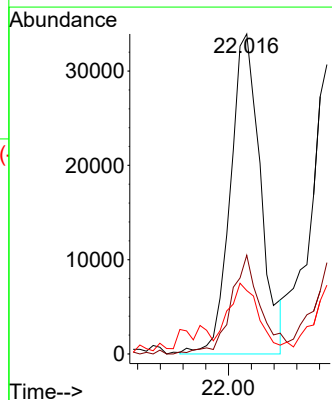
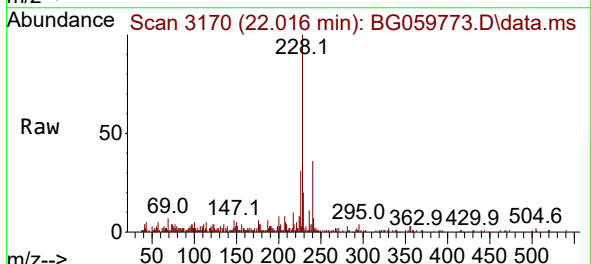
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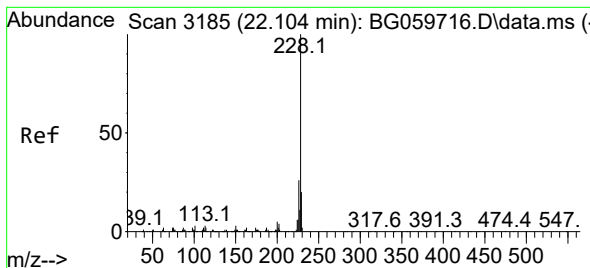
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#81
 Benzo(a)anthracene
 Concen: 7.306 ng
 RT: 22.016 min Scan# 3170
 Delta R.T. -0.011 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Tgt Ion:228 Resp: 62532
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 19.8 14.9 22.3





#83

Chrysene

Concen: 7.642 ng

RT: 22.086 min Scan# 3182

Delta R.T. -0.017 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

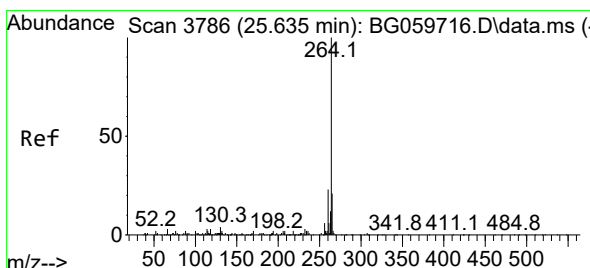
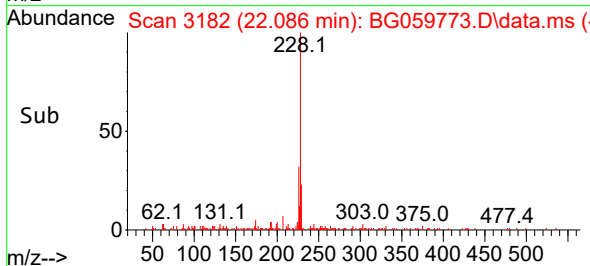
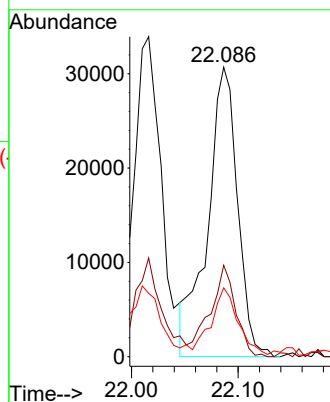
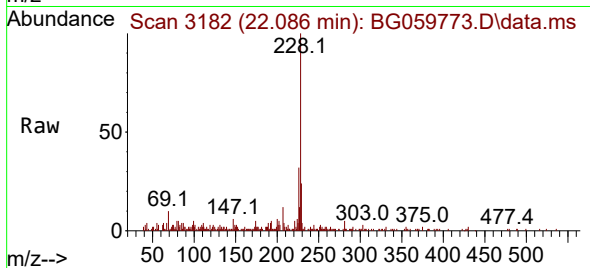
Tgt Ion:228	Resp: 59960
Ion Ratio	Lower Upper
228 100	
226 31.6	21.1 31.7
229 23.8	16.2 24.4

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#86

Perylene-d12

Concen: 20.000 ng

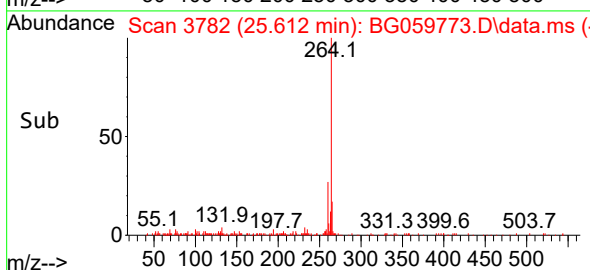
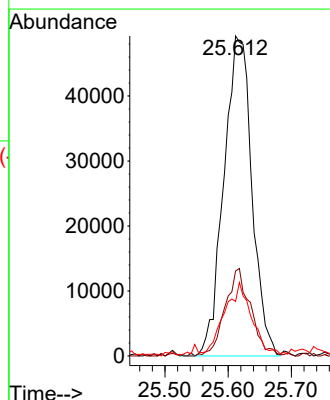
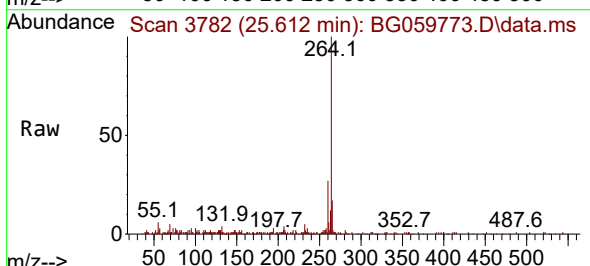
RT: 25.612 min Scan# 3782

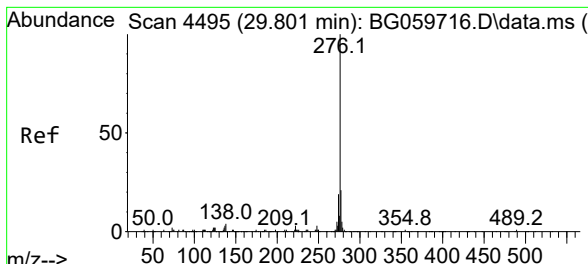
Delta R.T. -0.023 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Tgt Ion:264	Resp: 152173
Ion Ratio	Lower Upper
264 100	
260 26.5	18.5 27.7
265 17.0	17.0 25.6





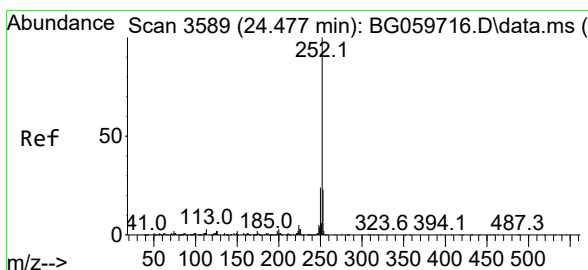
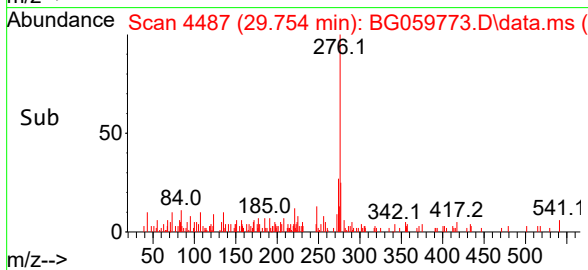
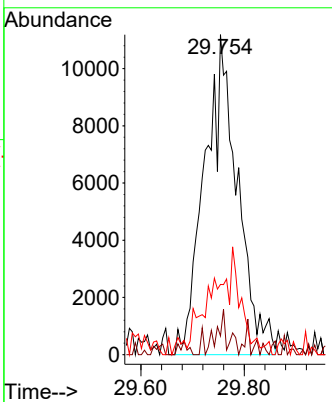
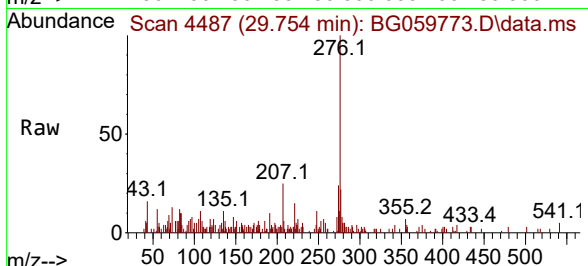
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.294 ng
 RT: 29.754 min Scan# 4487
 Delta R.T. -0.047 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:	276	Resp:	4944
Ion Ratio	Lower	Upper	
276	100		
138	3.7	1.8	2.6
277	12.1	9.8	14.6

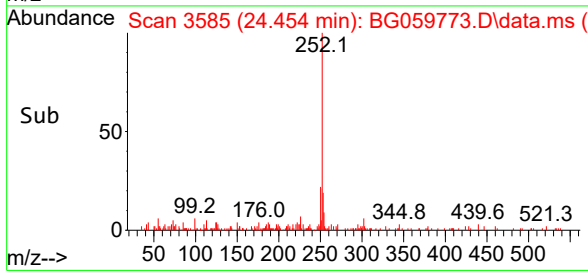
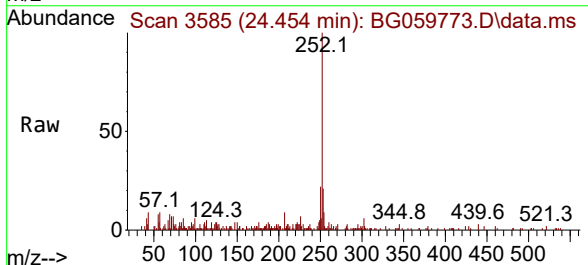
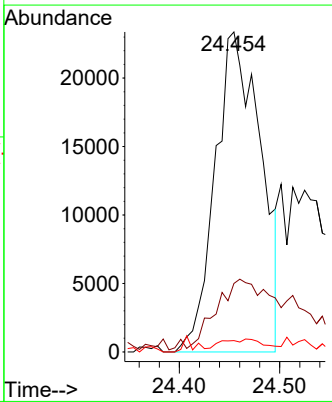
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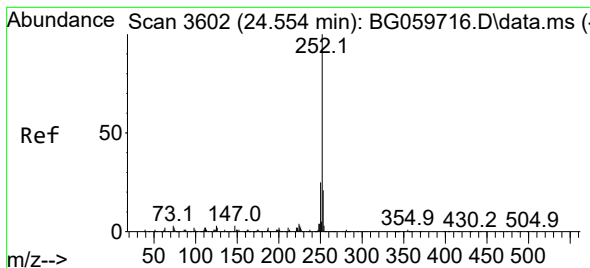
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#88
 Benzo(b)fluoranthene
 Concen: 8.824 ng
 RT: 24.454 min Scan# 3585
 Delta R.T. -0.023 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Tgt Ion:	252	Resp:	73595
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.3	27.5
125	3.5	1.4	2.0





#89

Benzo(k)fluoranthene

Concen: 4.412 ng m

RT: 24.501 min Scan# 3

Delta R.T. -0.052 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

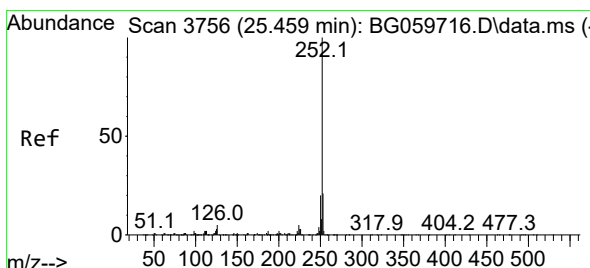
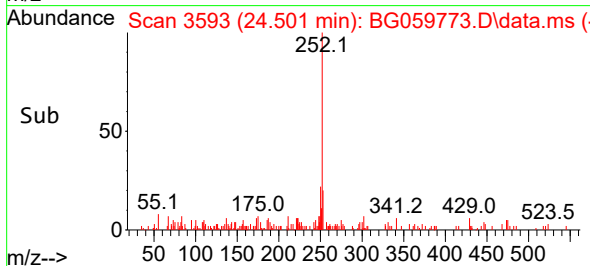
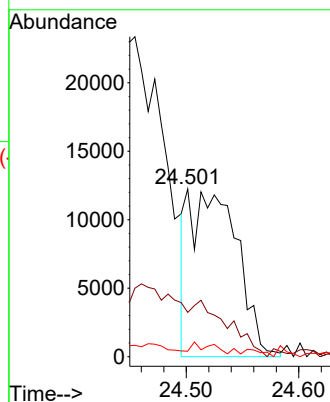
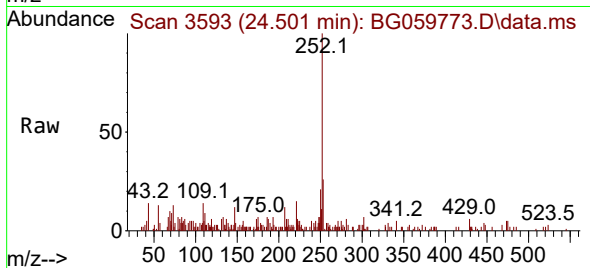
Tgt Ion:252	Resp:	3638
Ion Ratio	Lower	Upper
252	100	
253	26.4	17.1 25.7
125	3.3	2.2 3.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#90

Benzo(a)pyrene

Concen: 6.551 ng

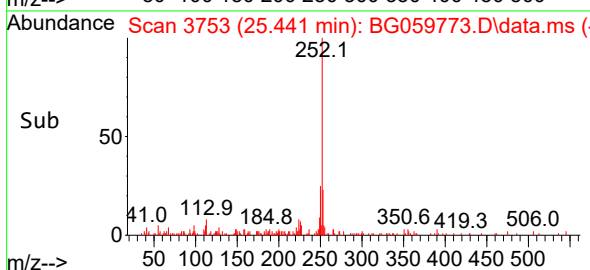
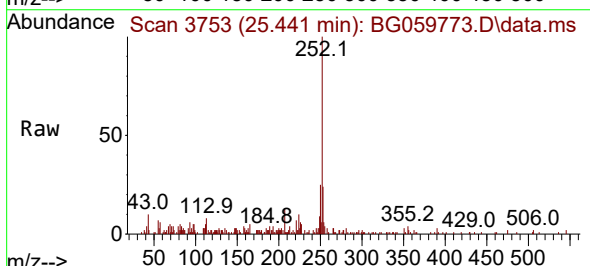
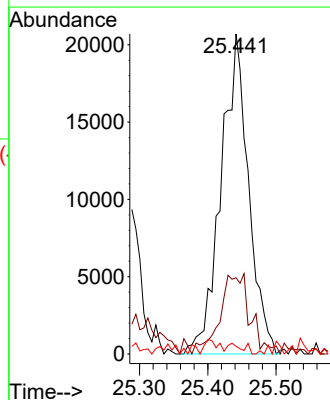
RT: 25.441 min Scan# 3753

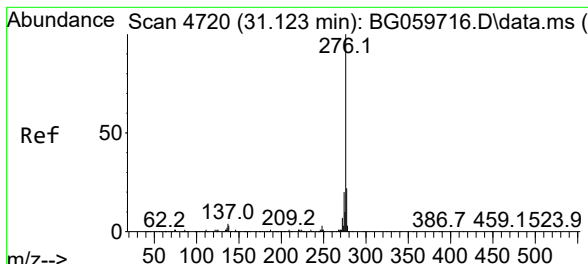
Delta R.T. -0.017 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

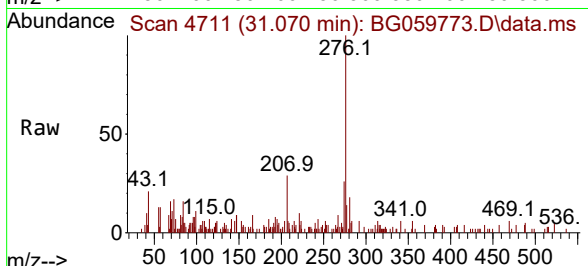
Tgt Ion:252	Resp:	58311
Ion Ratio	Lower	Upper
252	100	
253	23.8	16.8 25.2
125	3.8	2.0 3.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.090 ng
 RT: 31.070 min Scan# 41
 Delta R.T. -0.053 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Instrument :
 BNA_G
 ClientSampleId :
 TP-6



Tgt Ion: 276 Resp: 4705

Ion	Ratio	Lower	Upper
276	100		
277	13.7	17.3	25.9
138	0.0	2.6	4.0

Manual Integrations
 APPROVED
 Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

