

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059753.D
 Acq On : 18 Nov 2023 7:11
 Operator : MA/JU
 Sample : 05311-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 18 09:28:23 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	8.340	152	20315	20.000	ng	0.00
21) Naphthalene-d8	11.190	136	87061	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	67323	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	248315	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	207597	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	264882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.831	112	93681	77.617	ng	0.00
7) Phenol-d6	7.459	99	143703	80.343	ng	0.00
23) Nitrobenzene-d5	9.533	82	129588	56.848	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	80880	105.883	ng	0.00
45) 2-Fluorobiphenyl	13.593	172	263769	52.738	ng	0.00
79) Terphenyl-d14	20.291	244	766876	54.533	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.759	178	29136	2.308	ng	# 86
75) Fluoranthene	19.750	202	104599	6.909	ng	100
78) Pyrene	20.115	202	118540	8.392	ng	96
81) Benzo(a)anthracene	22.018	228	66906m	4.710	ng	
83) Chrysene	22.095	228	64089	4.922	ng	96
87) Indeno(1,2,3-cd)pyrene	29.756	276	55066m	2.747	ng	
88) Benzo(b)fluoranthene	24.468	252	89762	6.183	ng	# 85
89) Benzo(k)fluoranthene	24.527	252	30129m	2.099	ng	
90) Benzo(a)pyrene	25.455	252	71397m	4.608	ng	
92) Benzo(g,h,i)perylene	31.084	276	48224	2.997	ng	# 85

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

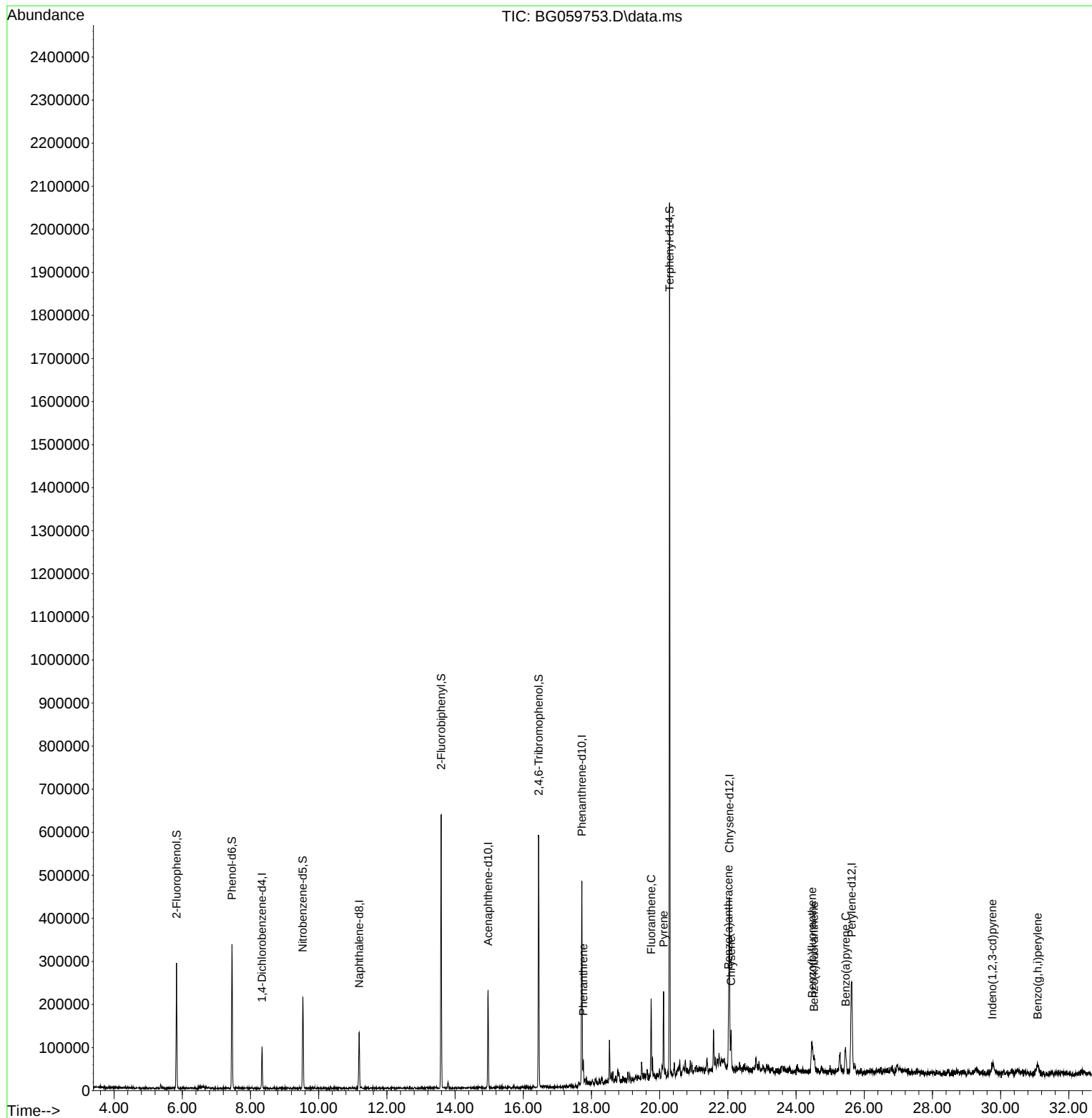
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
Data File : BG059753.D
Acq On : 18 Nov 2023 7:11
Operator : MA/JU
Sample : 05311-01
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ALS Vial : 18 Sample Multiplier: 1

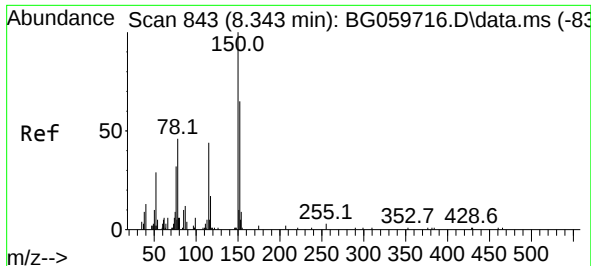
Instrument :
BNA_G
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TP-1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
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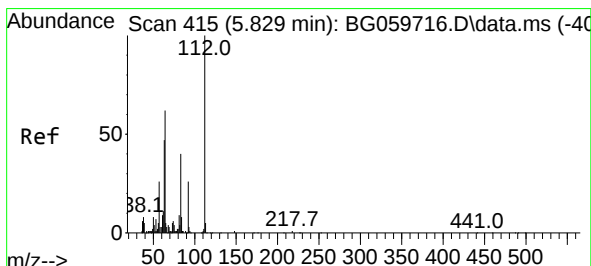
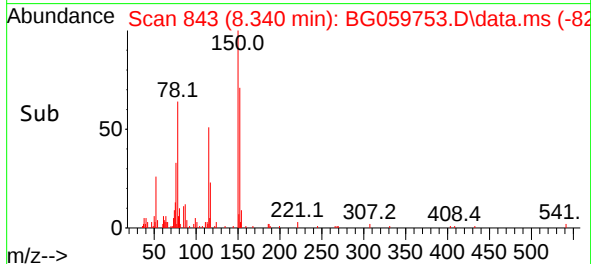
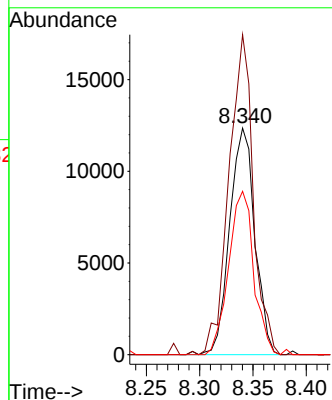
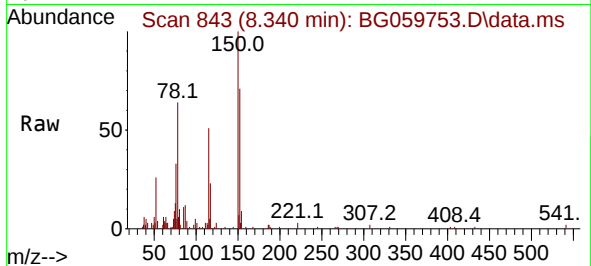
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 843
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 2031
Ion Ratio Lower Upper
152 100
150 141.2 122.2 183.4
115 72.1 54.2 81.4

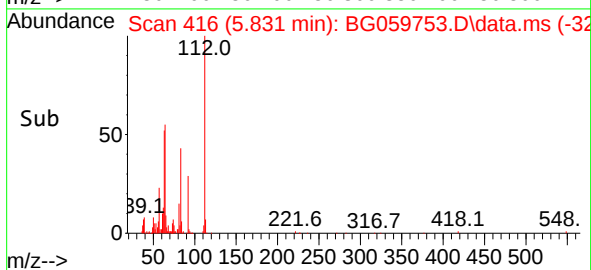
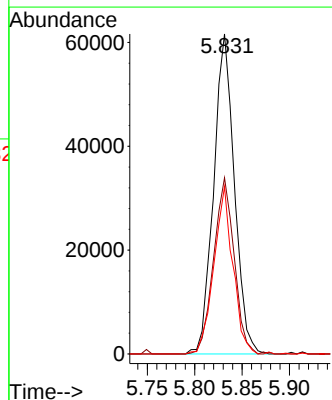
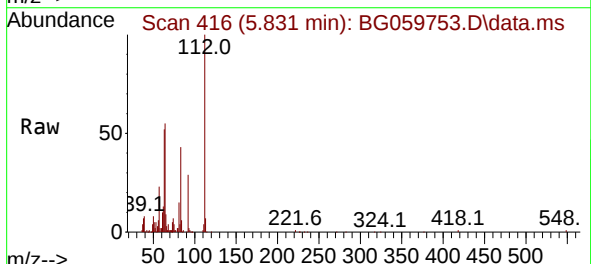
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#5
2-Fluorophenol
Concen: 77.617 ng
RT: 5.831 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:112 Resp: 93681
Ion Ratio Lower Upper
112 100
64 55.1 49.5 74.3
63 52.3 37.4 56.2





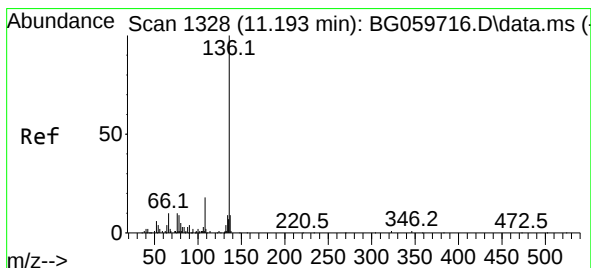
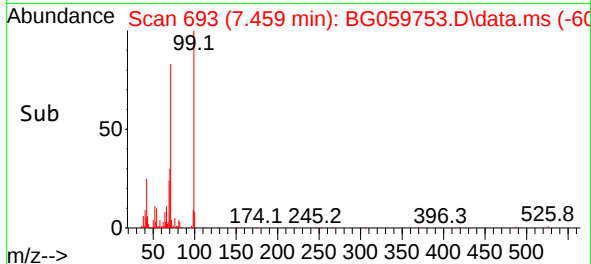
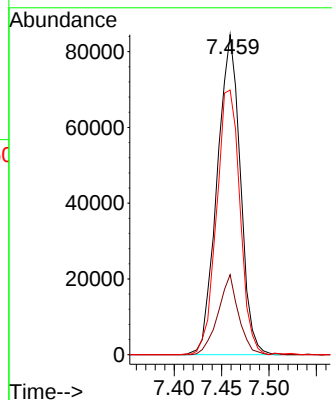
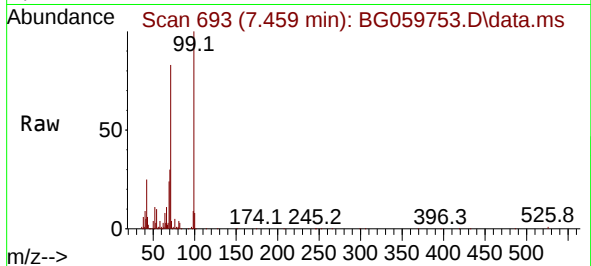
#7
Phenol-d6
Concen: 80.343 ng
RT: 7.459 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 14370
Ion Ratio Lower Upper
99 100
42 25.0 14.3 21.5
71 82.7 59.3 88.9

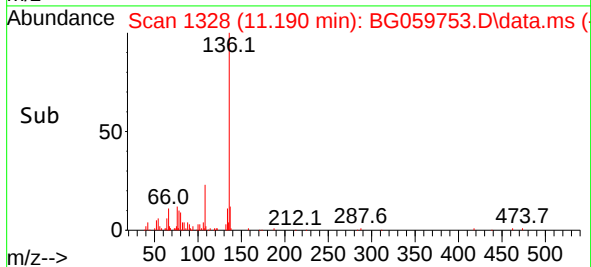
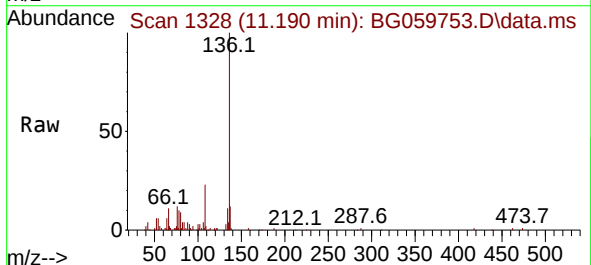
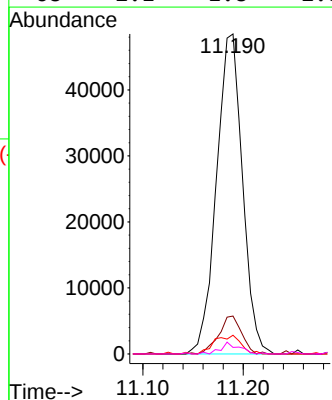
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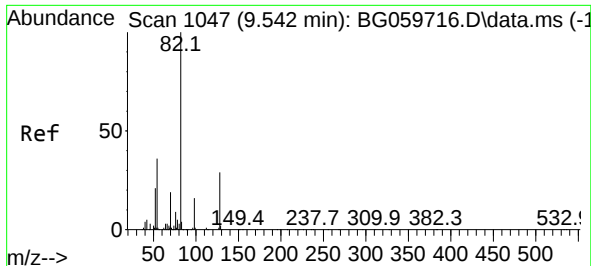
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.190 min Scan# 1328
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

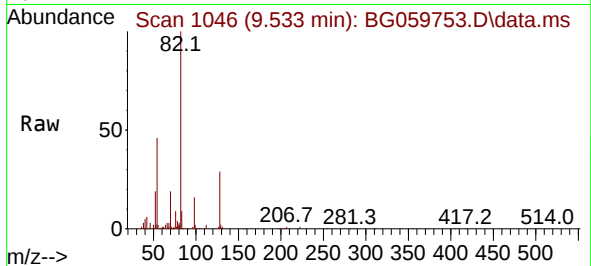
Tgt Ion:136 Resp: 87061
Ion Ratio Lower Upper
136 100
137 11.9 7.4 11.0#
54 5.8 3.1 4.7#
68 2.1 1.8 2.8





#23
Nitrobenzene-d5
Concen: 56.848 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

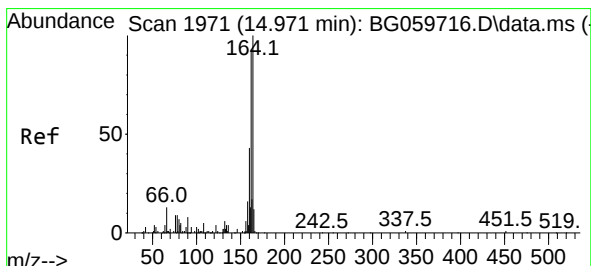
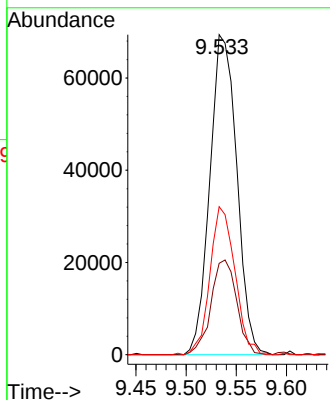
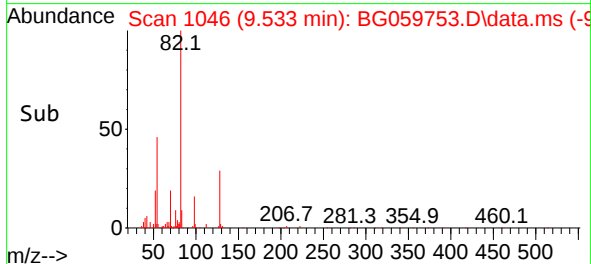
Instrument :
BNA_G
ClientSampleId :
TP-1



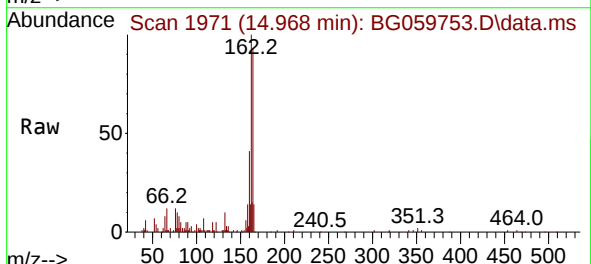
Tgt Ion: 82 Resp: 12958
Ion Ratio Lower Upper
82 100
128 28.6 23.0 34.6
54 46.2 28.7 43.1

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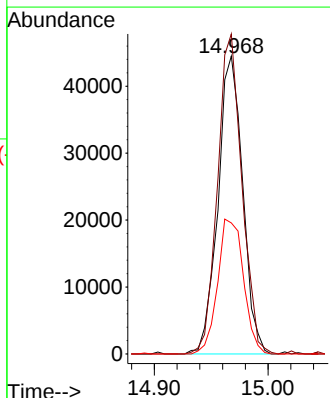
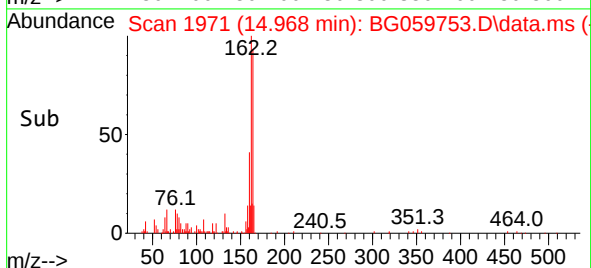
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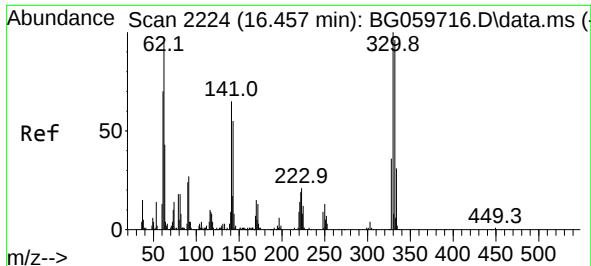


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11



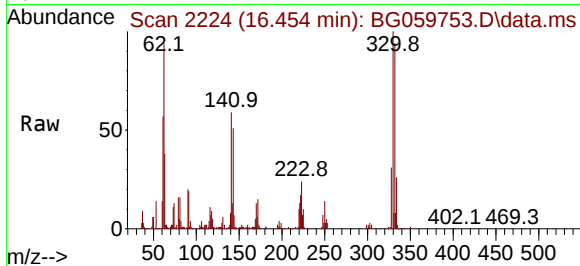
Tgt Ion:164 Resp: 67323
Ion Ratio Lower Upper
164 100
162 107.4 73.3 109.9
160 44.0 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 105.883 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

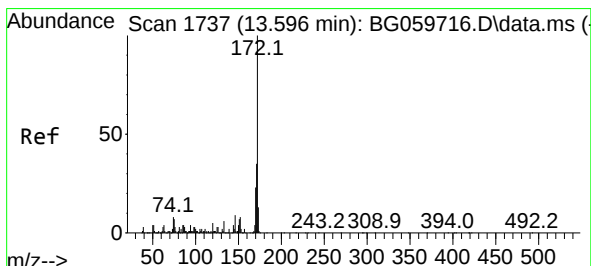
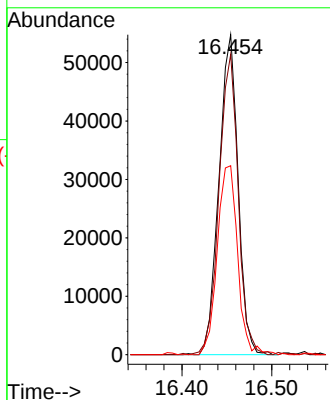
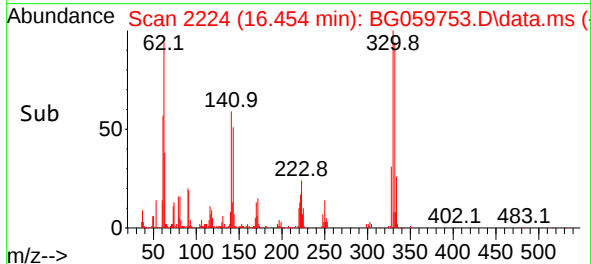
Instrument :
BNA_G
ClientSampleId :
TP-1



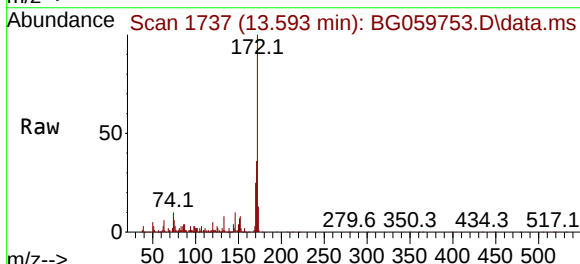
Tgt Ion:330 Resp: 80880
Ion Ratio Lower Upper
330 100
332 94.0 73.3 109.9
141 62.9 52.1 78.1

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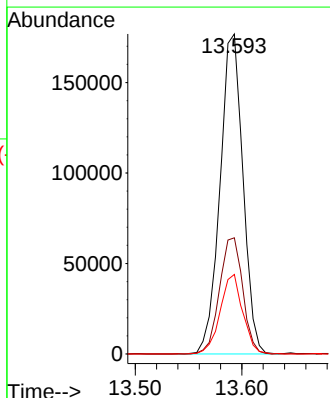
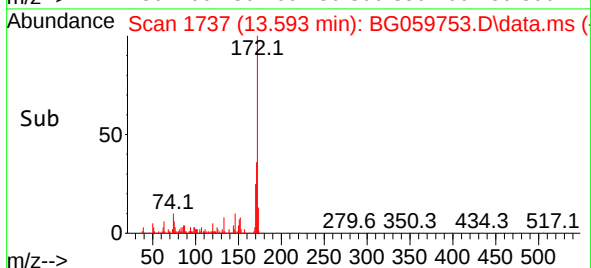
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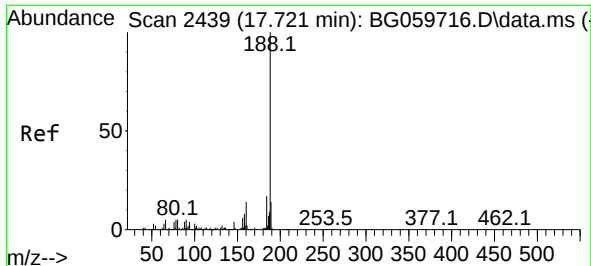


#45
2-Fluorobiphenyl
Concen: 52.738 ng
RT: 13.593 min Scan# 1737
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11



Tgt Ion:172 Resp: 263769
Ion Ratio Lower Upper
172 100
171 36.3 27.7 41.5
170 24.8 18.4 27.6





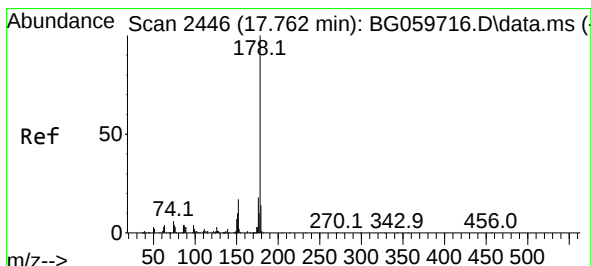
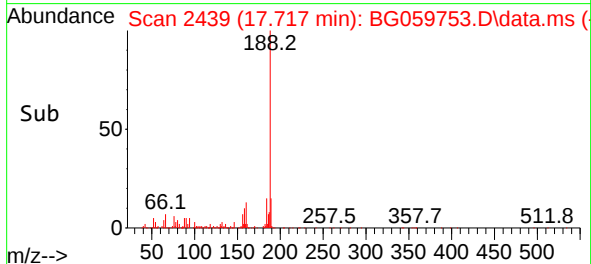
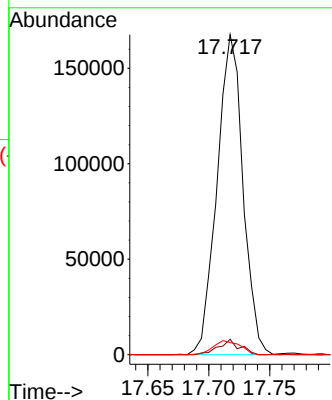
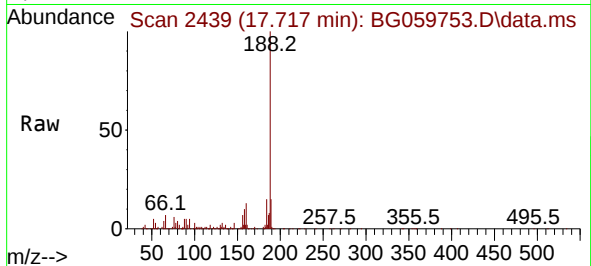
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 24831
Ion Ratio Lower Upper
188 100
94 4.8 3.0 4.4
80 3.7 4.2 6.4

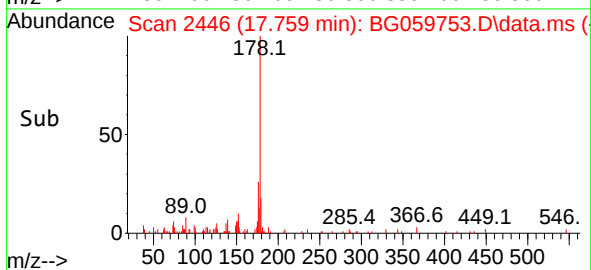
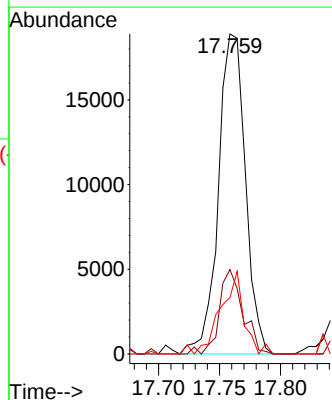
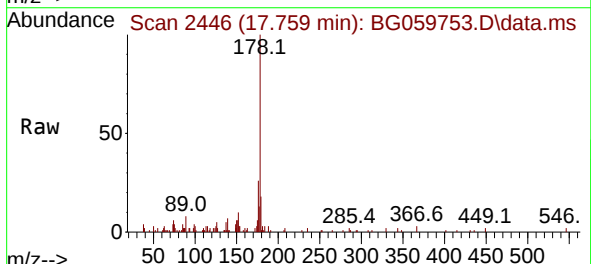
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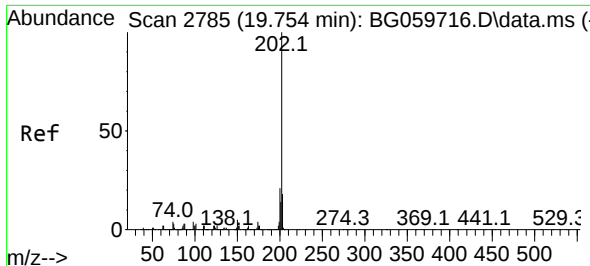
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 2.308 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

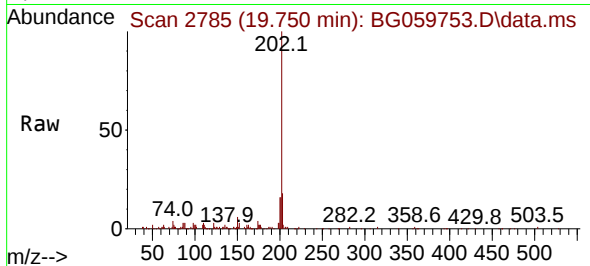
Tgt Ion:178 Resp: 29136
Ion Ratio Lower Upper
178 100
176 26.4 14.5 21.7#
179 17.6 11.2 16.8#





#75
Fluoranthene
Concen: 6.909 ng
RT: 19.750 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

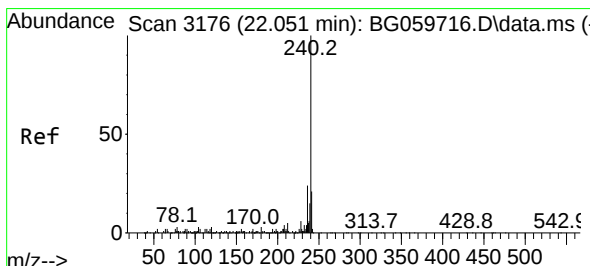
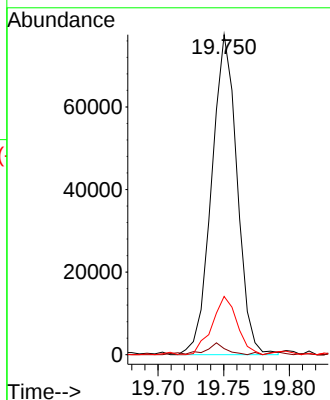
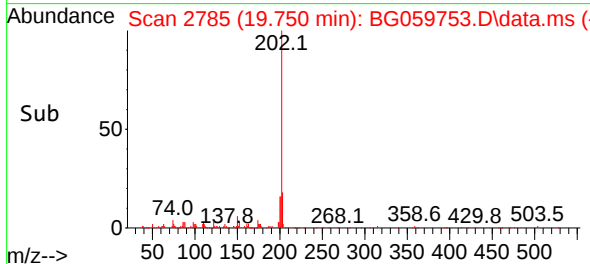
Instrument :
BNA_G
ClientSampleId :
TP-1



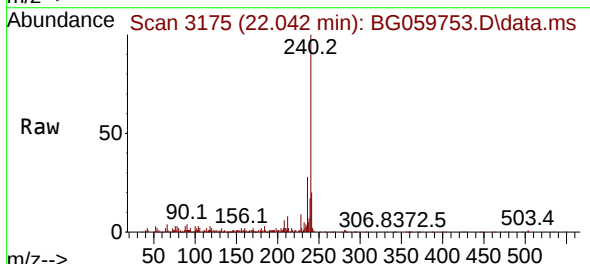
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Ion Ratio Lower Upper
202 100
101 2.6 0.0 22.7
203 18.2 0.0 38.2

Manual Integrations
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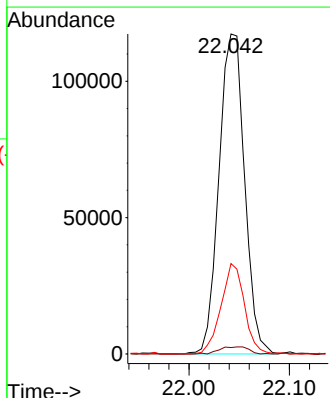
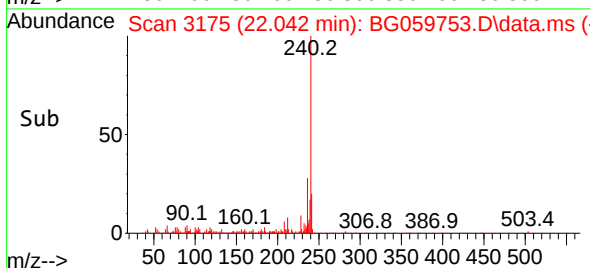
Reviewed By :Yogesh Patel 11/19/2023
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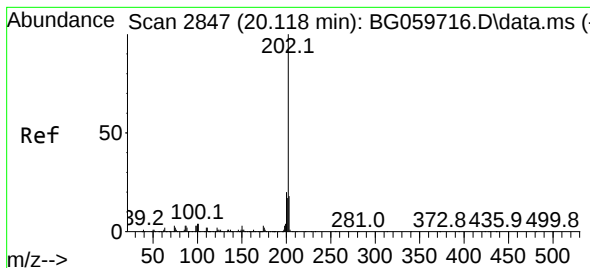


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11



Tgt Ion:240 Resp: 207597
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 28.3 19.4 29.2





#78

Pyrene

Concen: 8.392 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

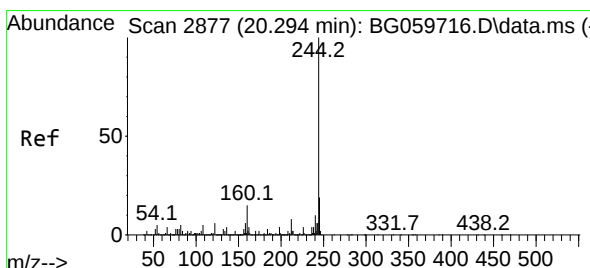
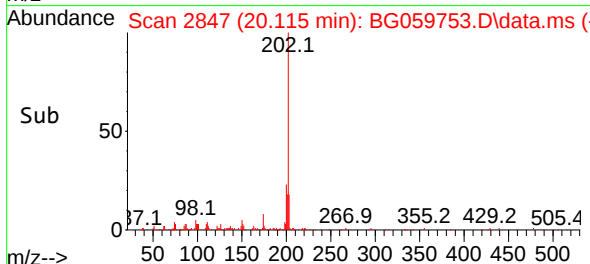
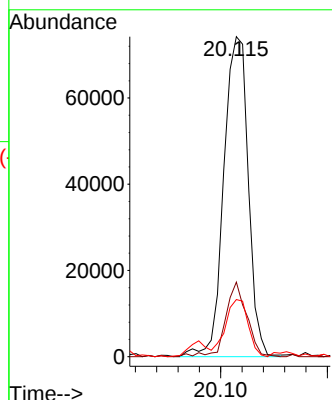
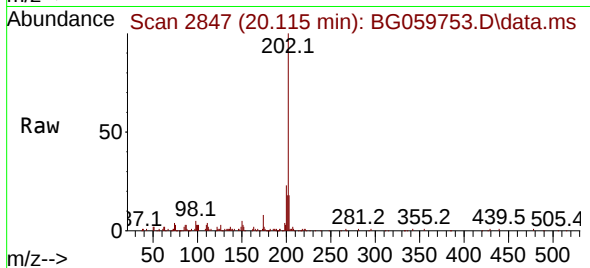
TP-1

Tgt Ion:	202	Resp:	118540
Ion Ratio	Lower	Upper	
202	100		
200	23.3	16.2	24.4
203	17.8	14.0	21.0

Manual Integrations

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Supervised By :mohammad ahmed 11/21/2023



#79

Terphenyl-d14

Concen: 54.533 ng

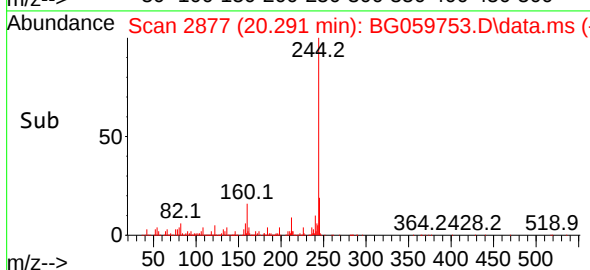
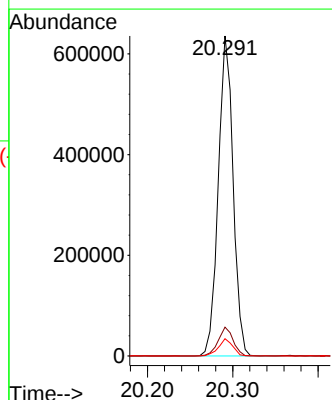
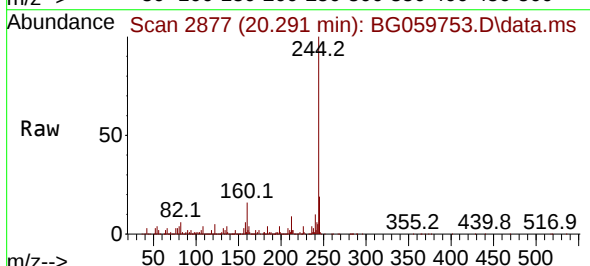
RT: 20.291 min Scan# 2877

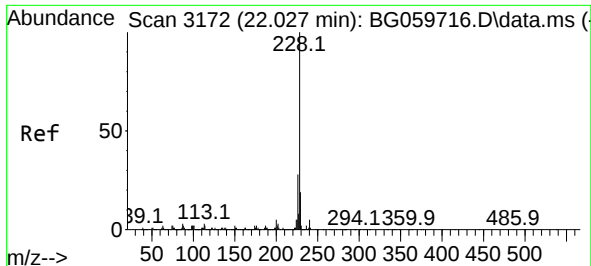
Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Tgt Ion:	244	Resp:	766876
Ion Ratio	Lower	Upper	
244	100		
212	9.0	6.6	10.0
122	5.4	4.4	6.6





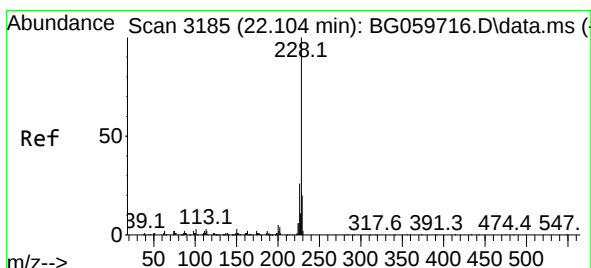
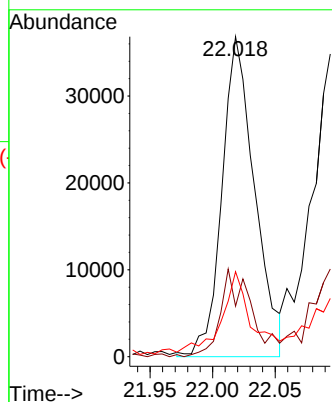
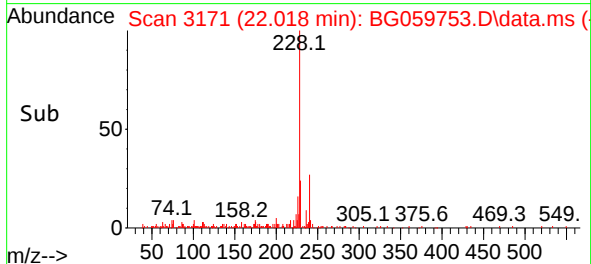
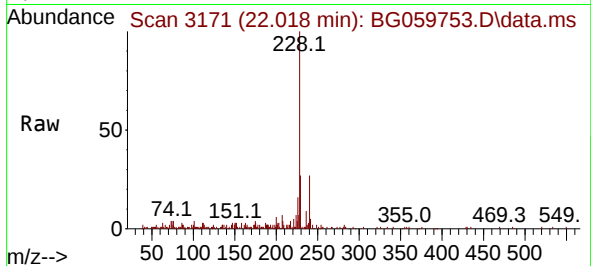
#81
Benzo(a)anthracene
Concen: 4.710 ng m
RT: 22.018 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:228 Resp: 66900
Ion Ratio Lower Upper
228 100
226 15.8 22.1 33.1
229 26.6 14.9 22.3

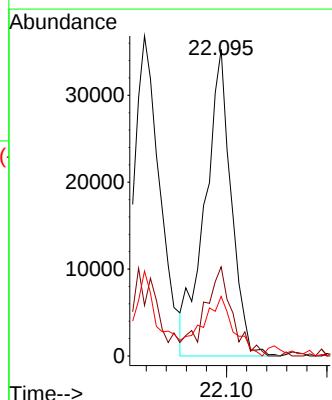
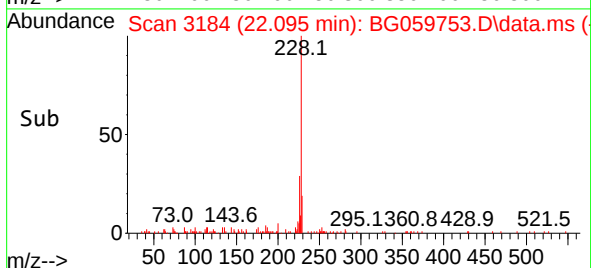
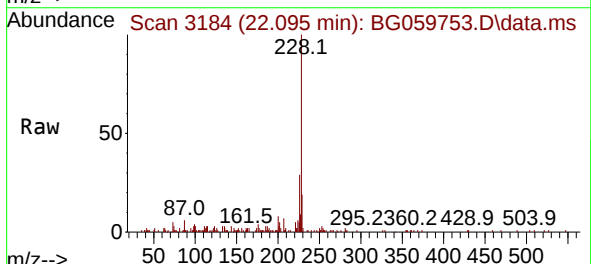
Manual Integrations
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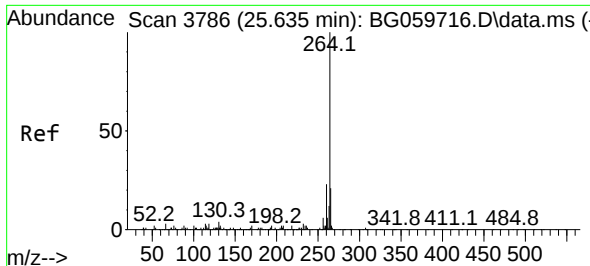
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#83
Chrysene
Concen: 4.922 ng
RT: 22.095 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:228 Resp: 64089
Ion Ratio Lower Upper
228 100
226 29.1 21.1 31.7
229 19.4 16.2 24.4





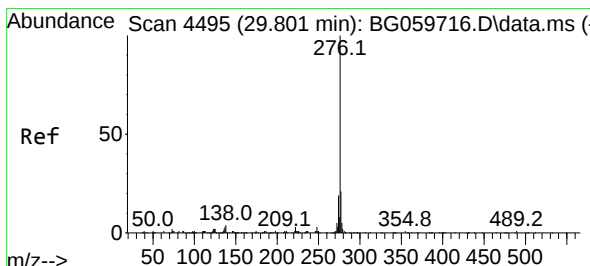
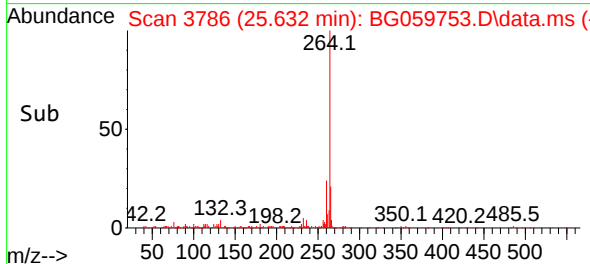
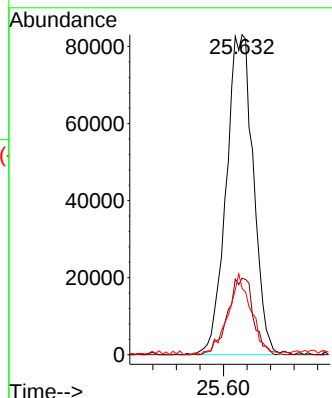
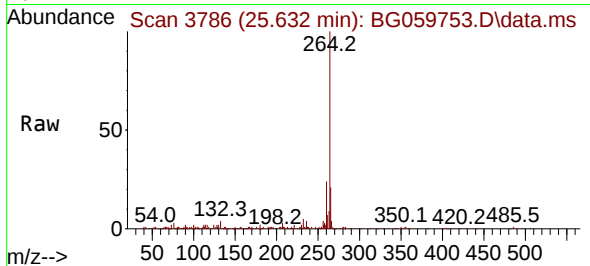
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.632 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG059753.D
 Acq: 18 Nov 2023 7:11

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:264 Resp: 26488
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.5 27.7
 265 20.7 17.0 25.6

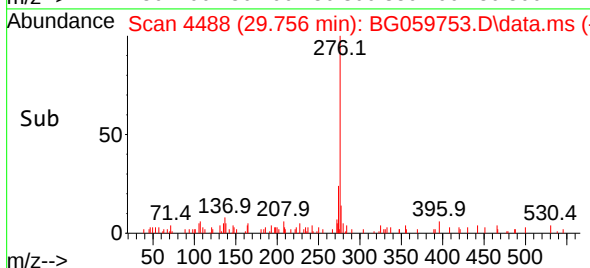
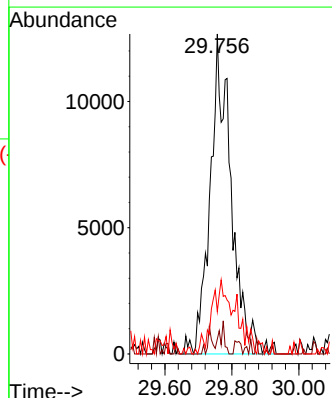
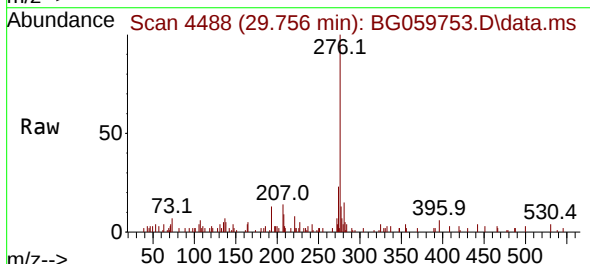
Manual Integrations
 APPROVED

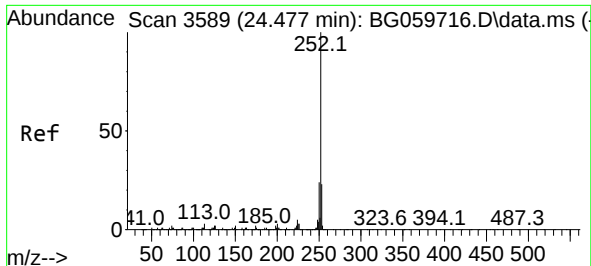
Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.747 ng m
 RT: 29.756 min Scan# 4488
 Delta R.T. -0.044 min
 Lab File: BG059753.D
 Acq: 18 Nov 2023 7:11

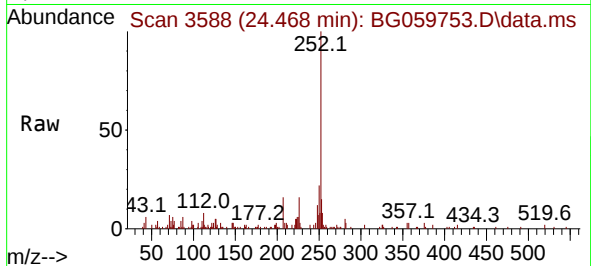
Tgt Ion:276 Resp: 55066
 Ion Ratio Lower Upper
 276 100
 138 0.0 1.8 2.6#
 277 5.4 9.8 14.6#





#88
Benzo(b)fluoranthene
Concen: 6.183 ng
RT: 24.468 min Scan# 3588
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

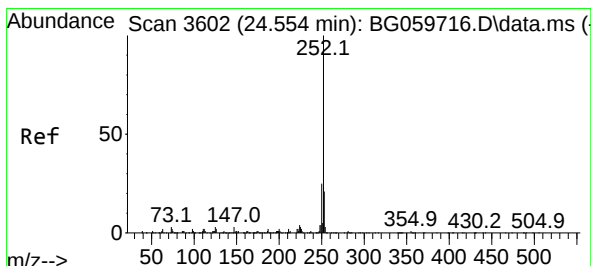
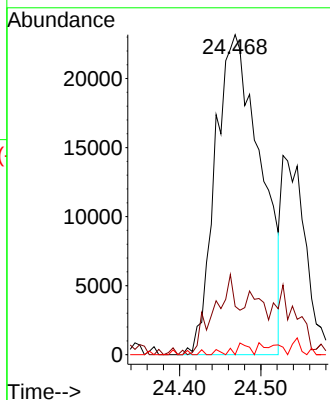
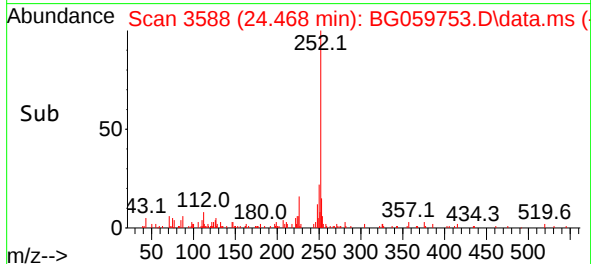
Instrument :
BNA_G
ClientSampleId :
TP-1



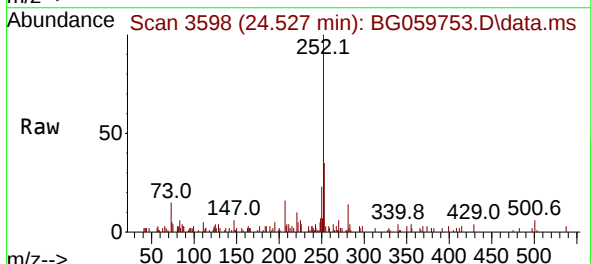
Tgt Ion:252 Resp: 89762
Ion Ratio Lower Upper
252 100
253 15.1 18.3 27.5#
125 0.0 1.4 2.0#

Manual Integrations
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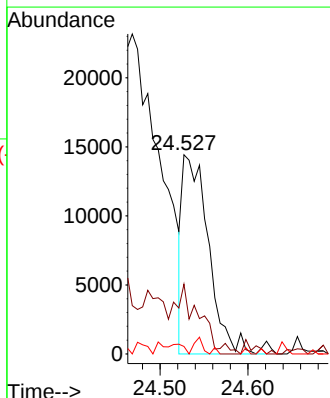
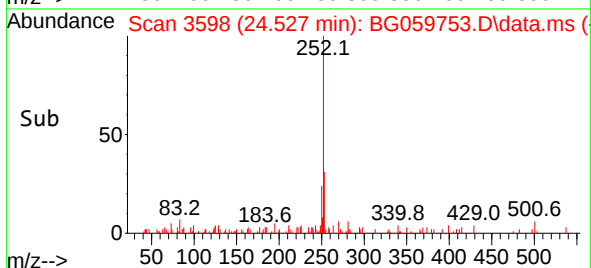
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

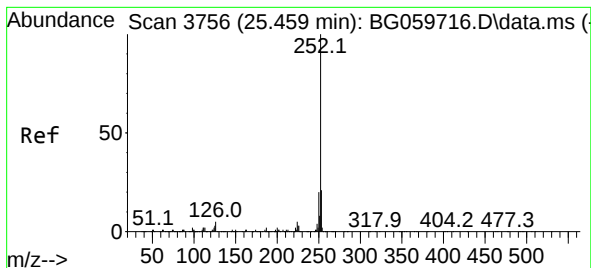


#89
Benzo(k)fluoranthene
Concen: 2.099 ng m
RT: 24.527 min Scan# 3598
Delta R.T. -0.027 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11



Tgt Ion:252 Resp: 30129
Ion Ratio Lower Upper
252 100
253 35.0 17.1 25.7#
125 3.8 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 4.608 ng m

RT: 25.455 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

TP-1

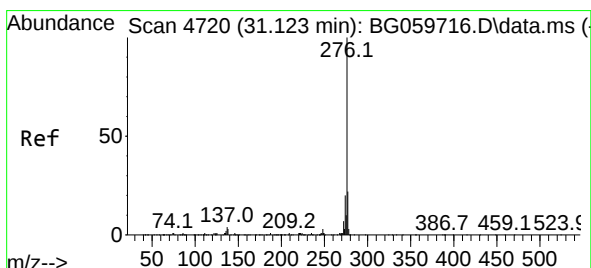
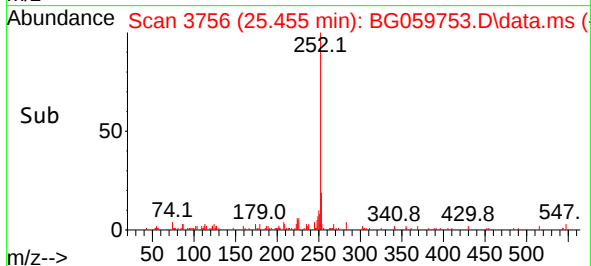
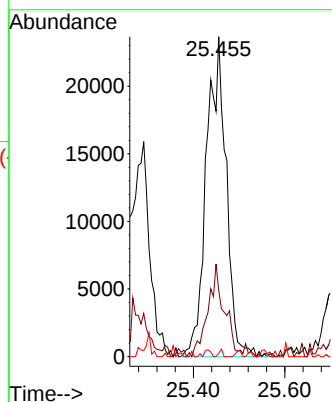
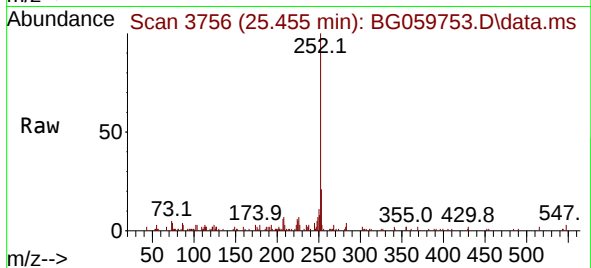
Tgt Ion:252 Resp: 7139
 Ion Ratio Lower Upper
 252 100
 253 20.6 16.8 25.2
 125 1.1 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2023

Supervised By :mohammad ahmed 11/21/2023



#92

Benzo(g,h,i)perylene

Concen: 2.997 ng

RT: 31.084 min Scan# 4714

Delta R.T. -0.038 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Tgt Ion:276 Resp: 48224
 Ion Ratio Lower Upper
 276 100
 277 29.5 17.3 25.9#
 138 3.9 2.6 4.0

