

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059890.D
 Acq On : 25 Nov 2023 13:58
 Operator : MA/JU
 Sample : 05470-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 27 03:21:55 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 24 15:11:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	27586	20.000	ng	# 0.00
21) Naphthalene-d8	11.167	136	143187	20.000	ng	# 0.00
39) Acenaphthene-d10	14.945	164	91632	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	189261	20.000	ng	# 0.00
76) Chrysene-d12	22.019	240	136404	20.000	ng	#-0.01
86) Perylene-d12	25.598	264	156175	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.809	112	281819	171.950	ng	0.00
7) Phenol-d6	7.448	99	406337	167.301	ng	0.00
23) Nitrobenzene-d5	9.516	82	325651	86.860	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	178438	171.628	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	623231	91.551	ng	0.00
79) Terphenyl-d14	20.274	244	883416	95.609	ng	0.00
Target Compounds						
71) Phenanthrene	17.742	178	23106	2.401	ng	# 92
75) Fluoranthene	19.734	202	40212	3.485	ng	99
78) Pyrene	20.098	202	35513m	3.826	ng	

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

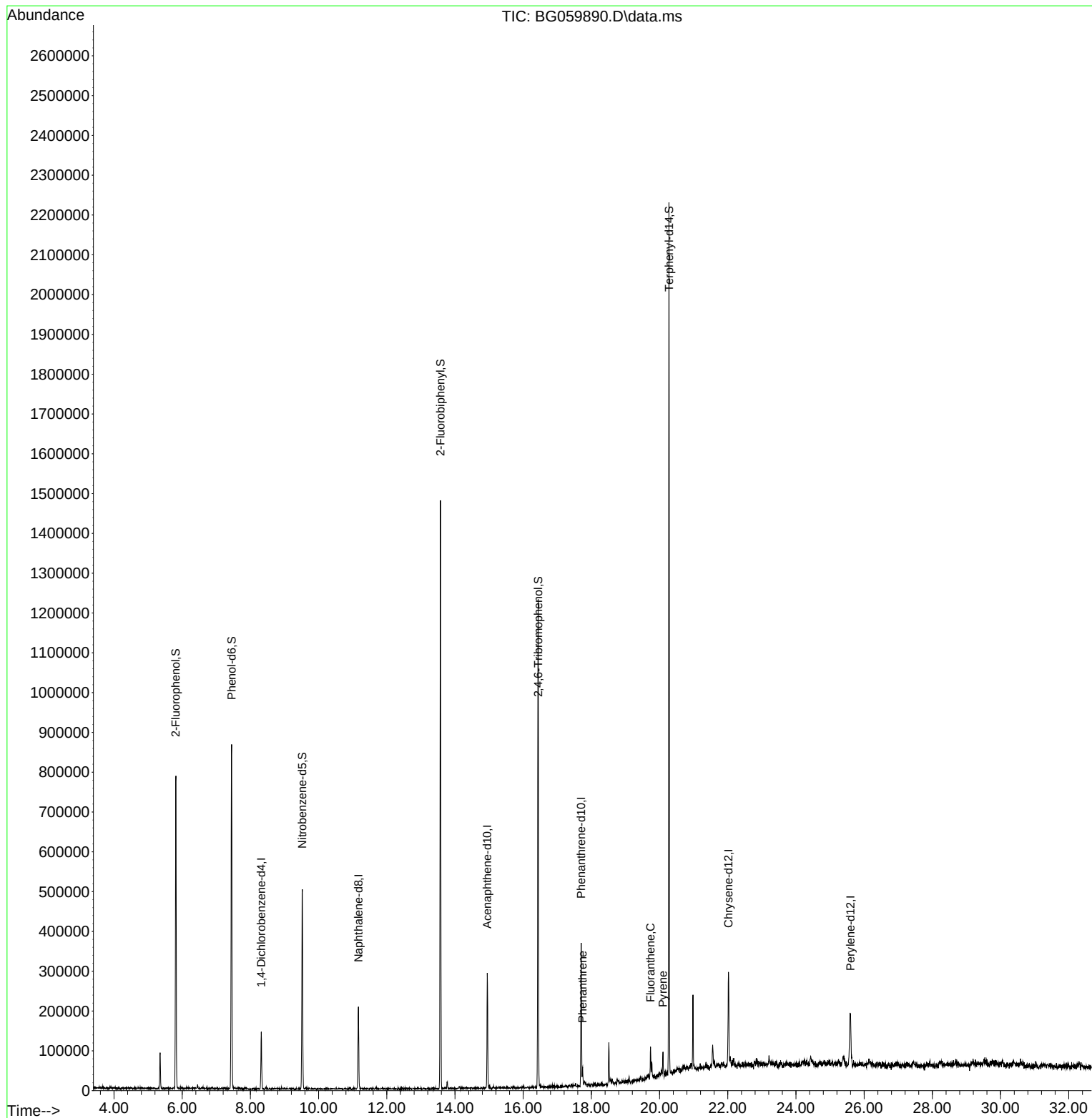
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
Data File : BG059890.D
Acq On : 25 Nov 2023 13:58
Operator : MA/JU
Sample : 05470-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

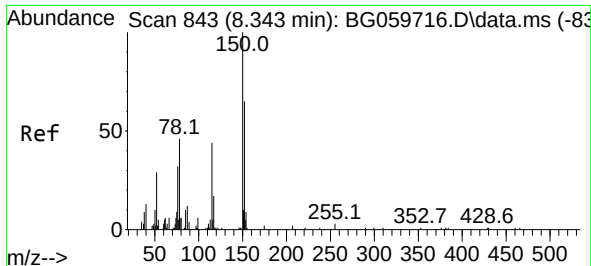
Instrument :
BNA_G
ClientSampleId :
SB-1

Quant Time: Nov 27 03:21:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 24 15:11:07 2023
Response via : Initial Calibration

Manual Integrations
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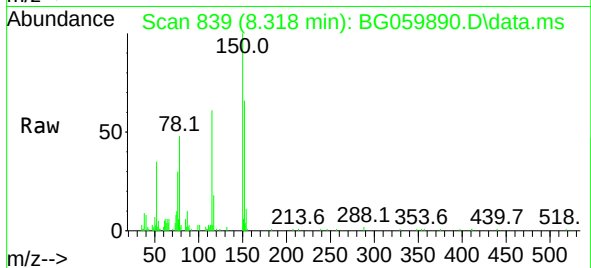
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.318 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

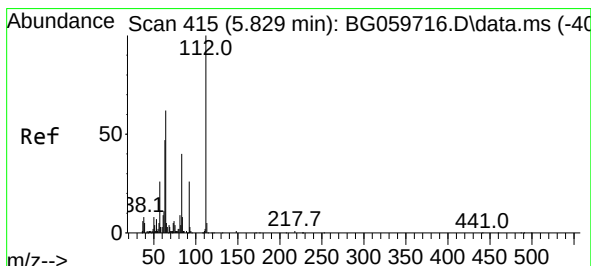
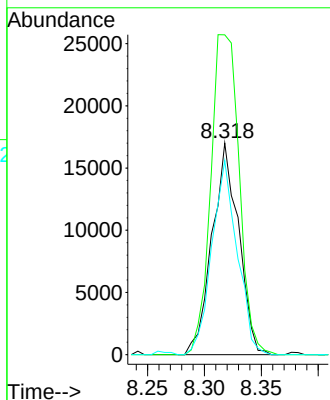
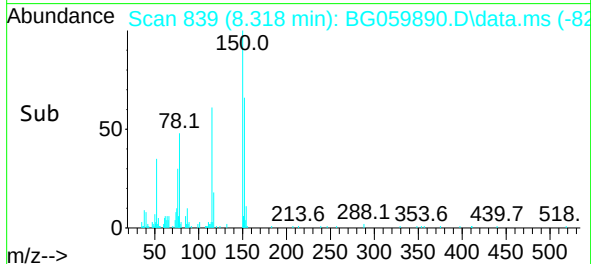
Instrument :
BNA_G
ClientSampleId :
SB-1



Tgt Ion:152 Resp: 27580
Ion Ratio Lower Upper
152 100
150 151.1 122.2 183.4
115 91.7 54.2 81.4

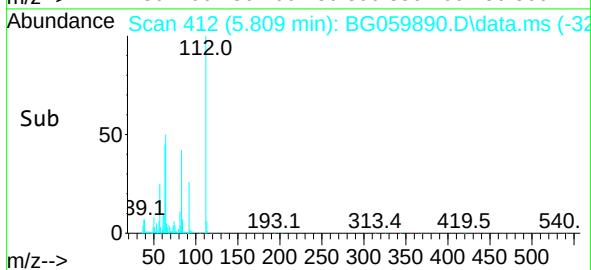
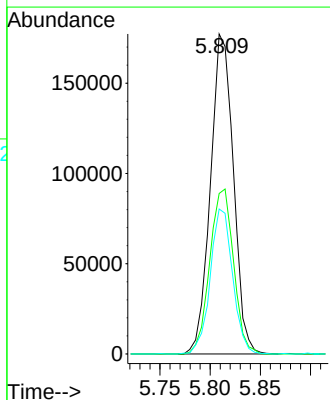
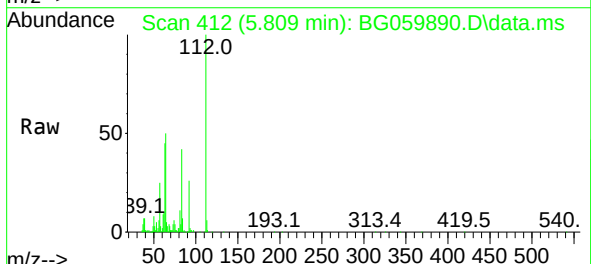
Manual Integrations
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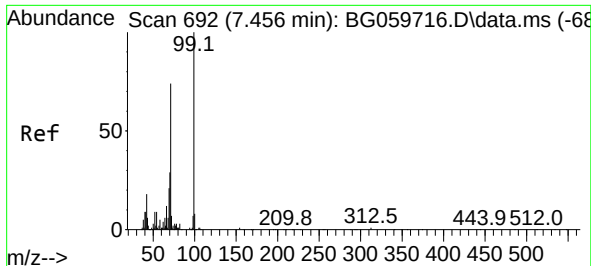
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 171.950 ng
RT: 5.809 min Scan# 412
Delta R.T. -0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

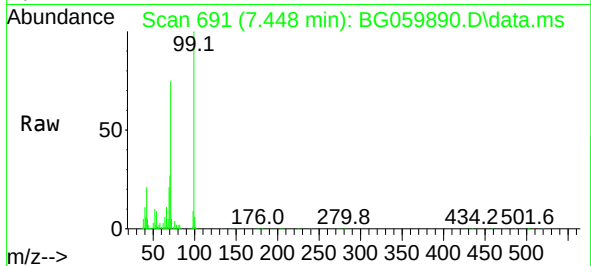
Tgt Ion:112 Resp: 281819
Ion Ratio Lower Upper
112 100
64 50.2 49.5 74.3
63 45.3 37.4 56.2





#7
Phenol-d6
Concen: 167.301 ng
RT: 7.448 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

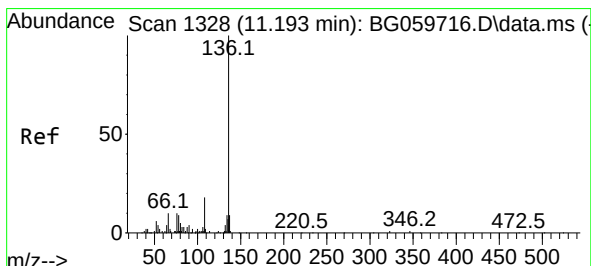
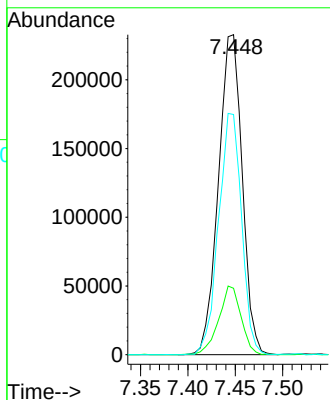
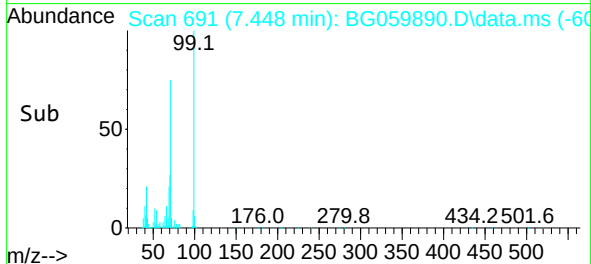
Instrument :
BNA_G
ClientSampleId :
SB-1



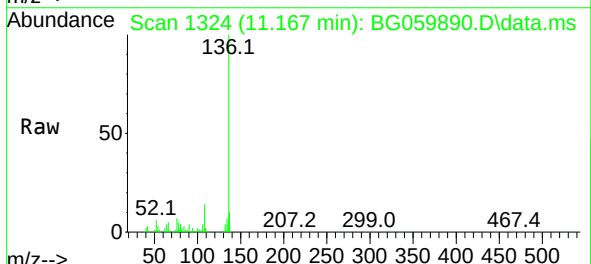
Tgt Ion: 99 Resp: 40633
Ion Ratio Lower Upper
99 100
42 20.8 14.3 21.5
71 75.0 59.3 88.9

Manual Integrations
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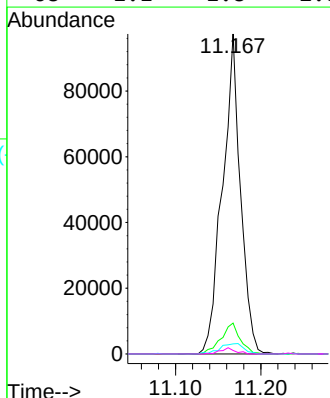
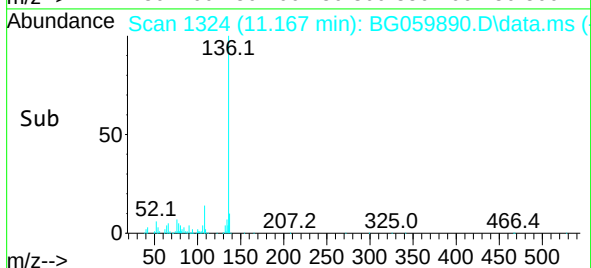
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

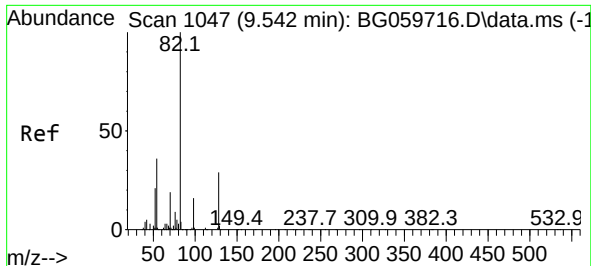


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 1324
Delta R.T. -0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58



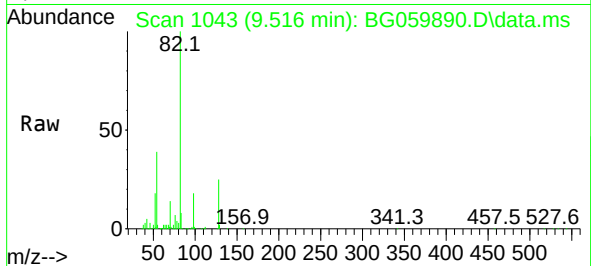
Tgt Ion:136 Resp: 143187
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.0
54 3.1 3.1 4.7
68 1.1 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 86.860 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

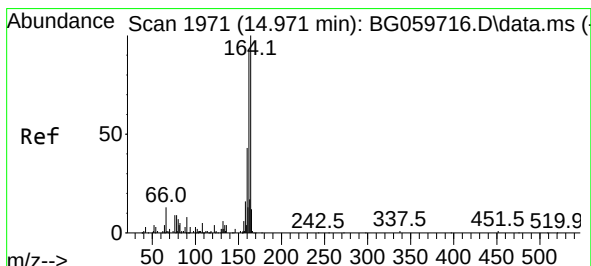
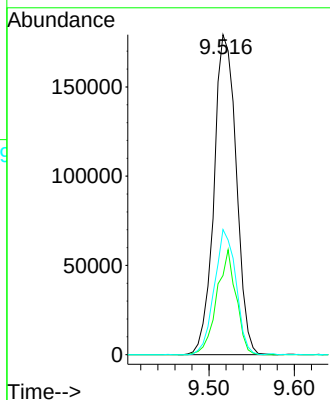
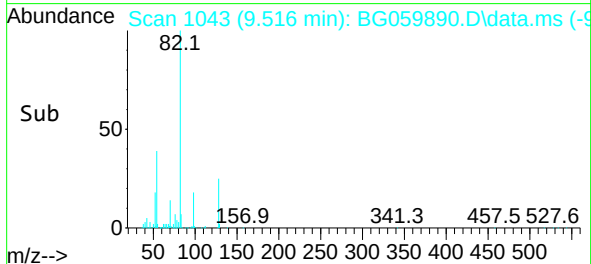
Instrument :
BNA_G
ClientSampleId :
SB-1



Tgt Ion: 82 Resp: 32565
Ion Ratio Lower Upper
82 100
128 24.7 23.0 34.6
54 39.1 28.7 43.1

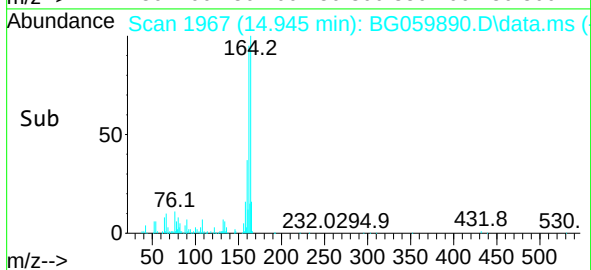
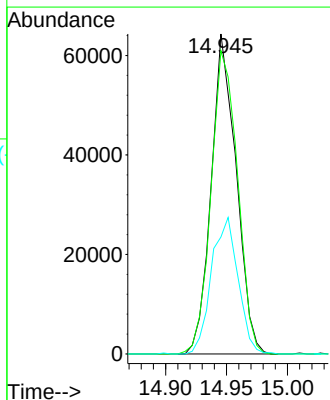
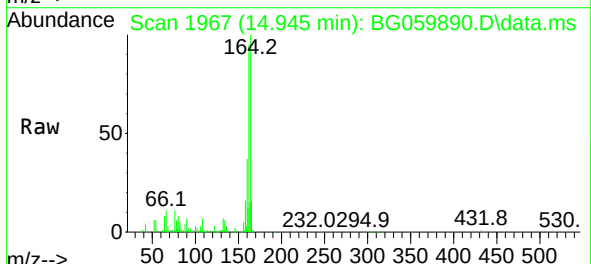
Manual Integrations
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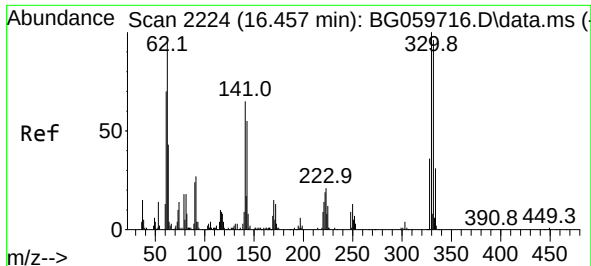
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

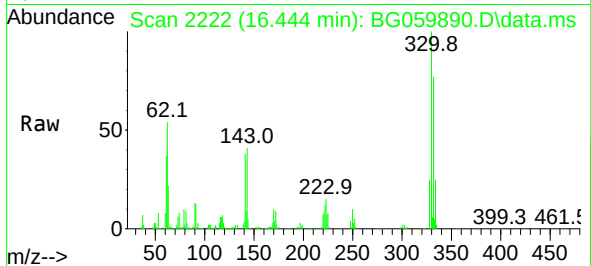
Tgt Ion:164 Resp: 91632
Ion Ratio Lower Upper
164 100
162 94.7 73.3 109.9
160 36.6 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 171.628 ng
RT: 16.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

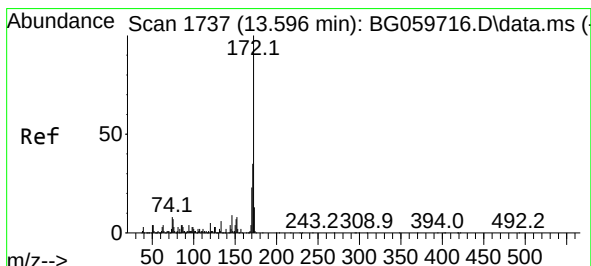
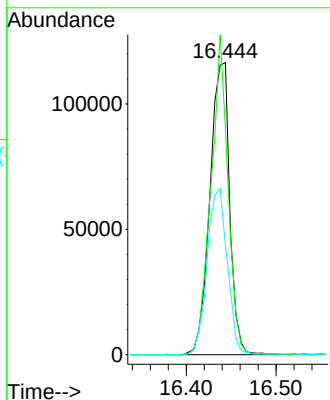
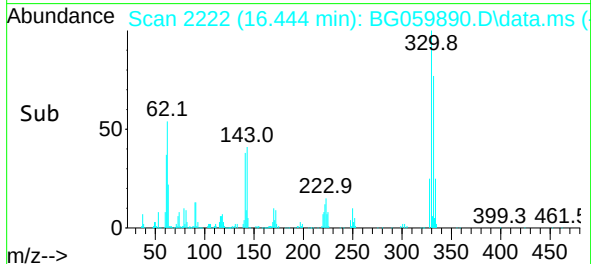
Instrument :
BNA_G
ClientSampleId :
SB-1



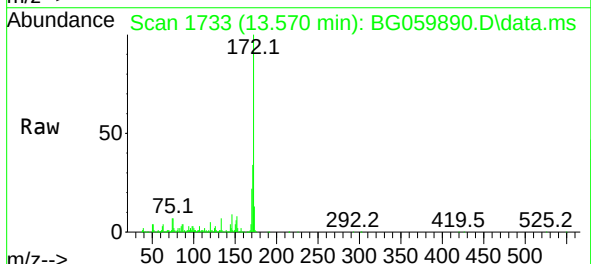
Tgt Ion:330 Resp: 178438
Ion Ratio Lower Upper
330 100
332 94.4 73.3 109.9
141 58.3 52.1 78.1

Manual Integrations
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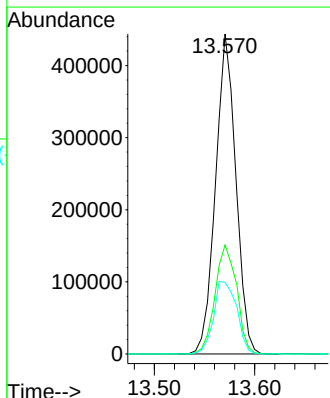
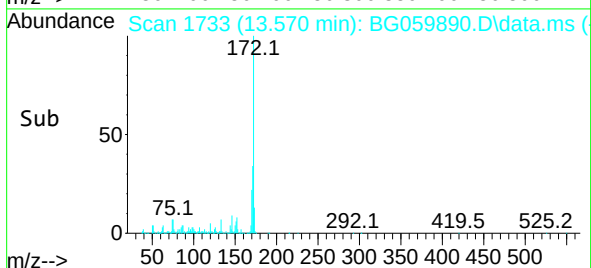
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

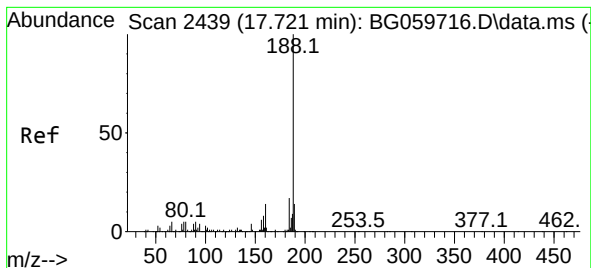


#45
2-Fluorobiphenyl
Concen: 91.551 ng
RT: 13.570 min Scan# 1733
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58



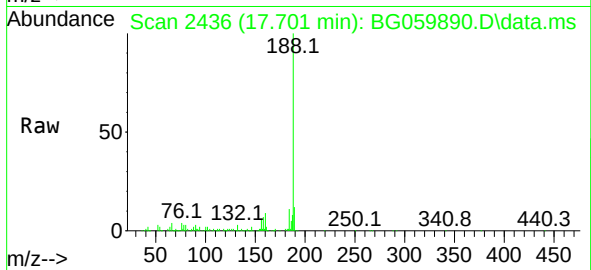
Tgt Ion:172 Resp: 623231
Ion Ratio Lower Upper
172 100
171 34.1 27.7 41.5
170 22.4 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.701 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

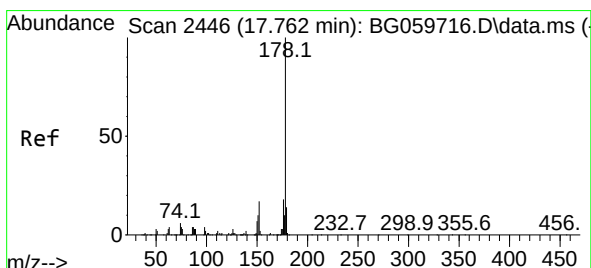
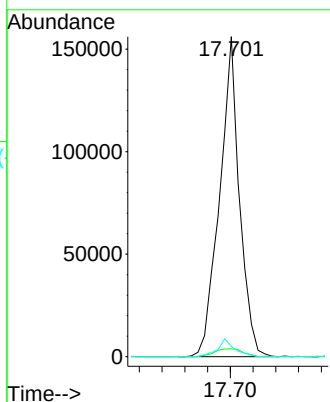
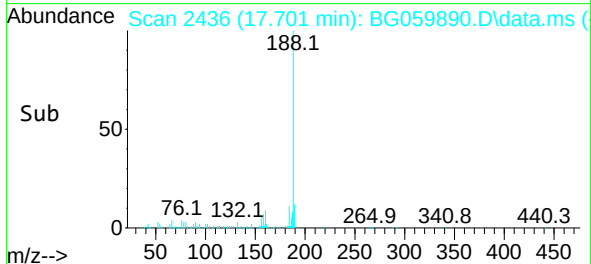
Instrument :
BNA_G
ClientSampleId :
SB-1



Tgt Ion:188 Resp: 18926
Ion Ratio Lower Upper
188 100
94 2.5 3.0 4.4
80 3.2 4.2 6.4

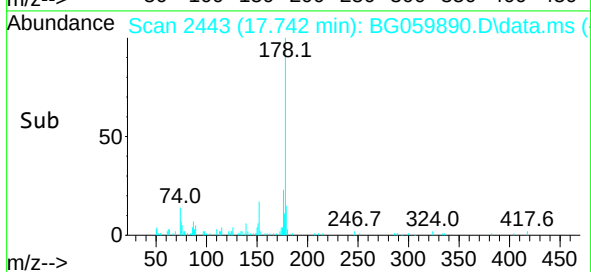
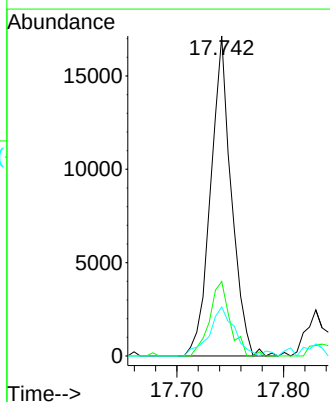
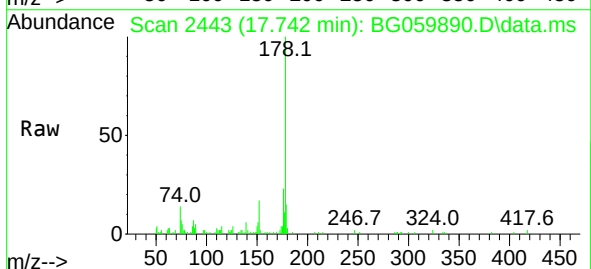
Manual Integrations
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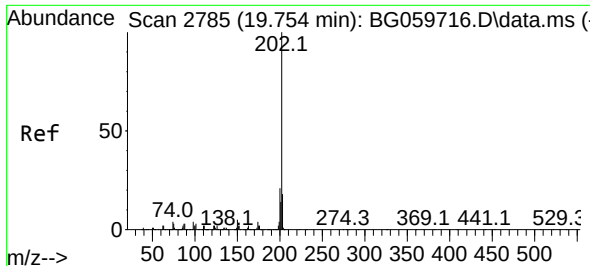
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#71
Phenanthrene
Concen: 2.401 ng
RT: 17.742 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

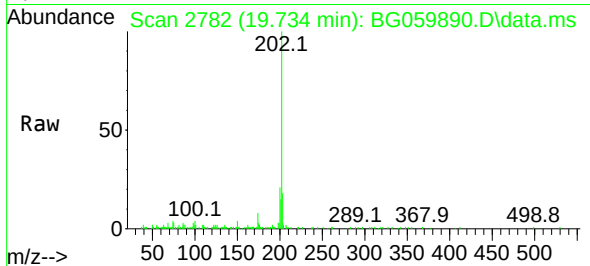
Tgt Ion:178 Resp: 23106
Ion Ratio Lower Upper
178 100
176 23.3 14.5 21.7#
179 15.3 11.2 16.8





#75
Fluoranthene
Concen: 3.485 ng
RT: 19.734 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

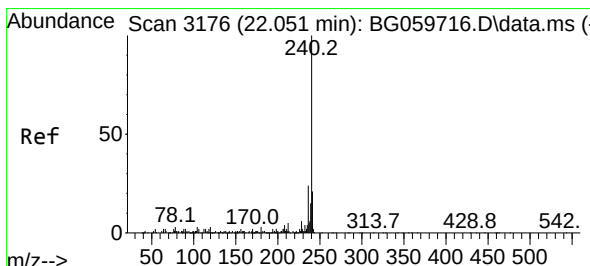
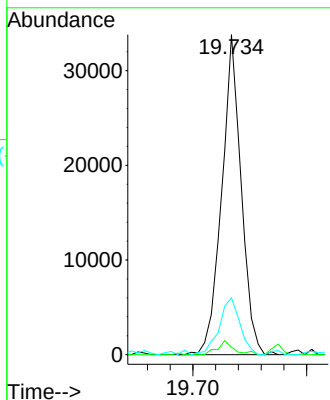
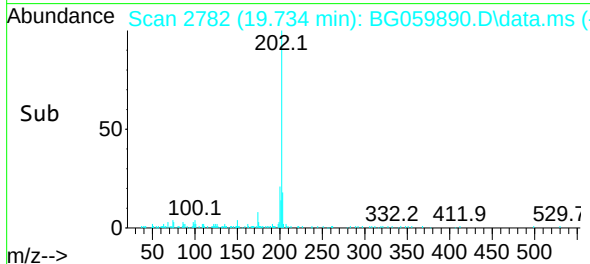
Instrument :
BNA_G
ClientSampleId :
SB-1



Tgt Ion:202 Resp: 4021
Ion Ratio Lower Upper
202 100
101 2.4 0.0 22.7
203 17.7 0.0 38.2

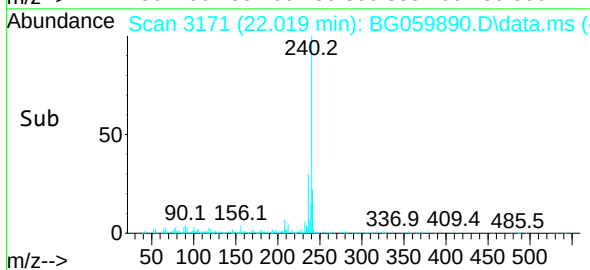
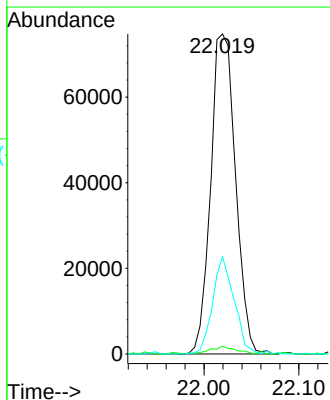
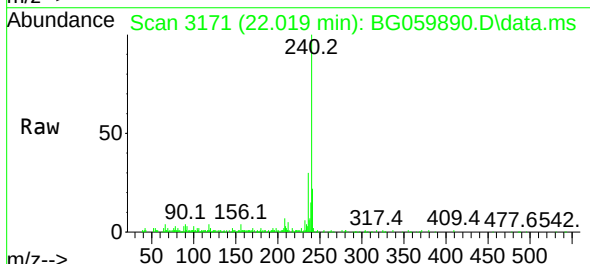
Manual Integrations
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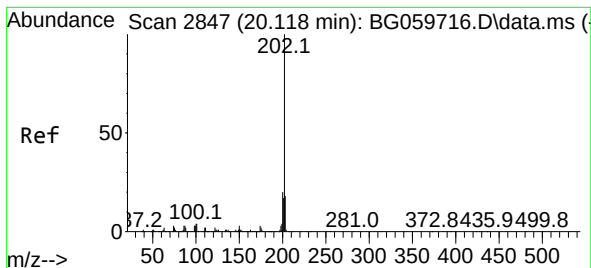
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3171
Delta R.T. -0.014 min
Lab File: BG059890.D
Acq: 25 Nov 2023 13:58

Tgt Ion:240 Resp: 136404
Ion Ratio Lower Upper
240 100
120 2.4 2.2 3.2
236 30.4 19.4 29.2#





#78

Pyrene

Concen: 3.826 ng m

RT: 20.098 min Scan# 2

Delta R.T. -0.009 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

Instrument :

BNA_G

ClientSampleId :

SB-1

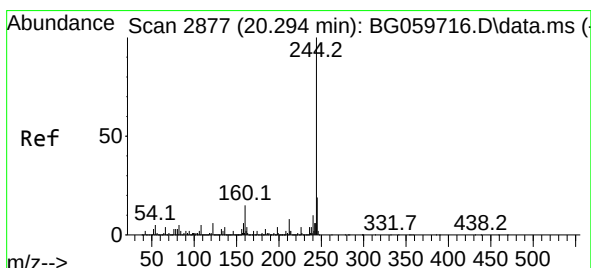
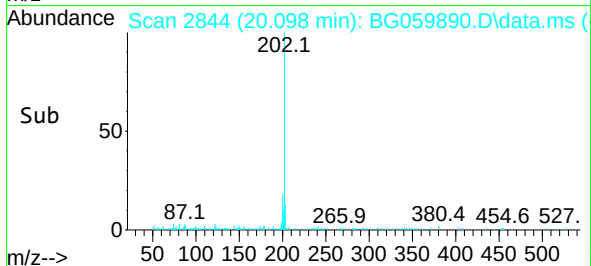
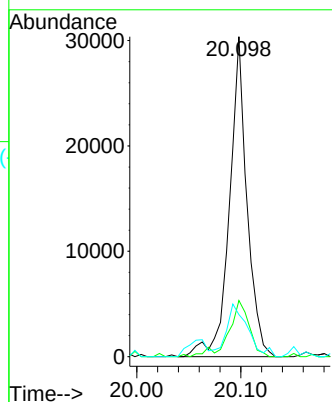
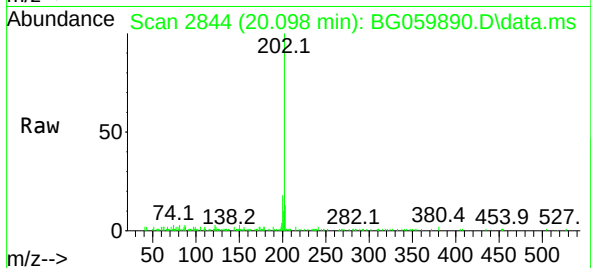
Tgt Ion:	202	Resp:	3551
Ion Ratio	Lower	Upper	
202	100		
200	17.5	16.2	24.4
203	13.2	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#79

Terphenyl-d14

Concen: 95.609 ng

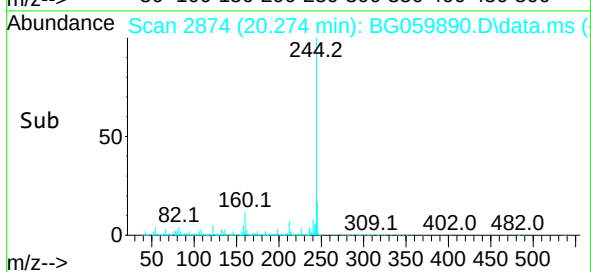
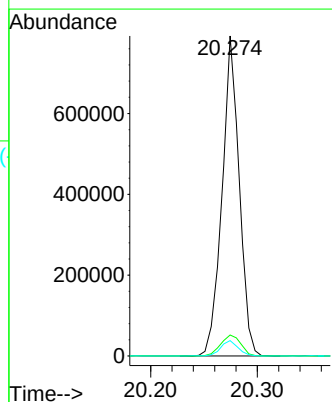
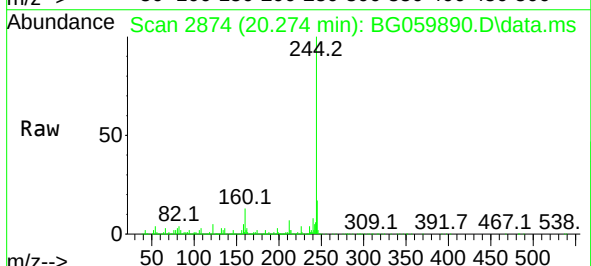
RT: 20.274 min Scan# 2874

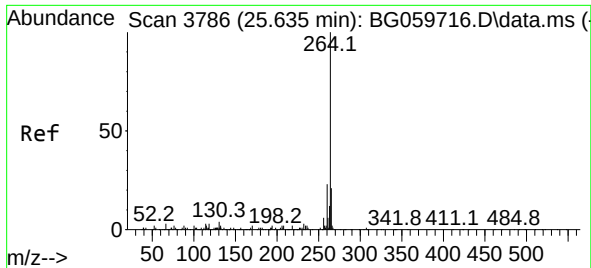
Delta R.T. -0.009 min

Lab File: BG059890.D

Acq: 25 Nov 2023 13:58

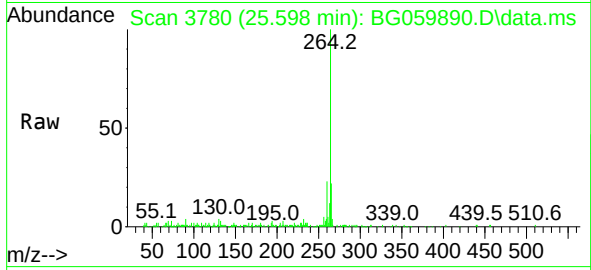
Tgt Ion:	244	Resp:	883416
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.6	10.0
122	4.8	4.4	6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.598 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG059890.D
 Acq: 25 Nov 2023 13:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-1



Tgt Ion:264 Resp: 156179
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.5 27.7
 265 21.9 17.0 25.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
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