

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059876.D
 Acq On : 25 Nov 2023 3:08
 Operator : MA/JU
 Sample : 05408-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 714-BOUND-BROOK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 25 03:48:43 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	8.324	152	36637	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	173683	20.000	ng	# 0.00
39) Acenaphthene-d10	14.945	164	141328	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	312864	20.000	ng	#-0.01
76) Chrysene-d12	22.019	240	232404	20.000	ng	-0.01
86) Perylene-d12	25.586	264	264133	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.809	112	130357	59.887	ng	0.00
7) Phenol-d6	7.436	99	187648	58.173	ng	0.00
23) Nitrobenzene-d5	9.516	82	264704	58.207	ng	0.00
42) 2,4,6-Tribromophenol	16.432	330	148482	92.596	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	594601	56.631	ng	0.00
79) Terphenyl-d14	20.274	244	942826	59.889	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.742	178	41706	2.622	ng	96
75) Fluoranthene	19.734	202	88736	4.652	ng	96
78) Pyrene	20.098	202	79165	5.006	ng	96
81) Benzo(a)anthracene	22.002	228	36950m	2.324	ng	
83) Chrysene	22.072	228	41990m	2.881	ng	
88) Benzo(b)fluoranthene	24.440	252	54875	3.791	ng	# 97
90) Benzo(a)pyrene	25.409	252	39088	2.530	ng	# 89
92) Benzo(g,h,i)perylene	31.032	276	37174m	2.317	ng	

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

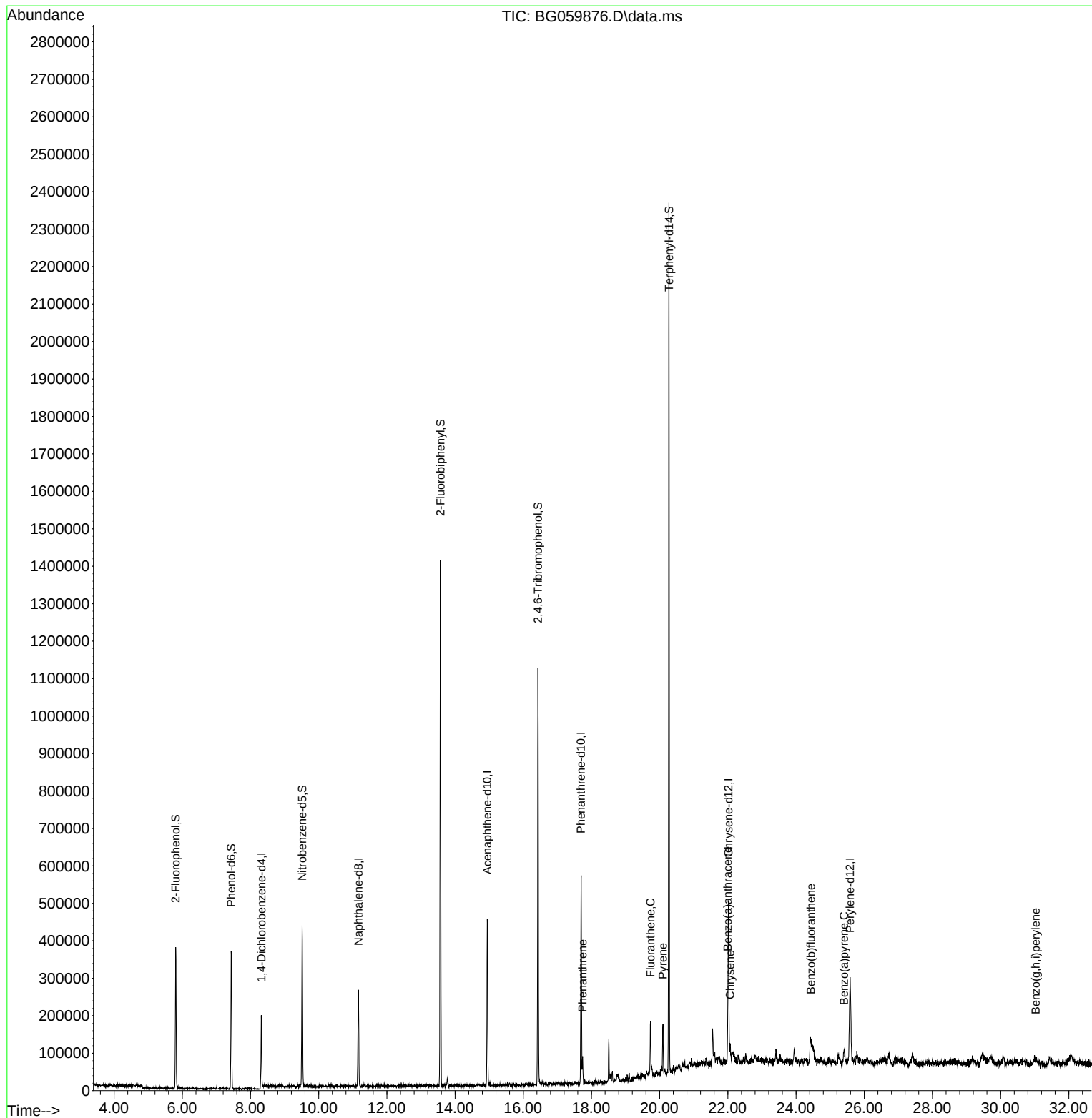
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
Data File : BG059876.D
Acq On : 25 Nov 2023 3:08
Operator : MA/JU
Sample : 05408-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

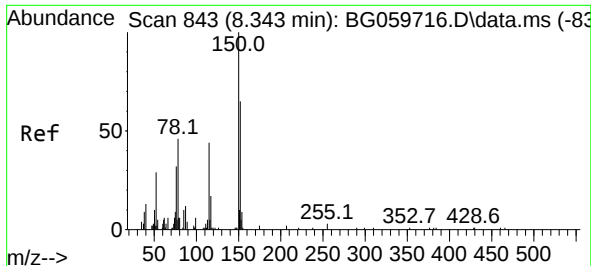
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK

Quant Time: Nov 25 03:48:43 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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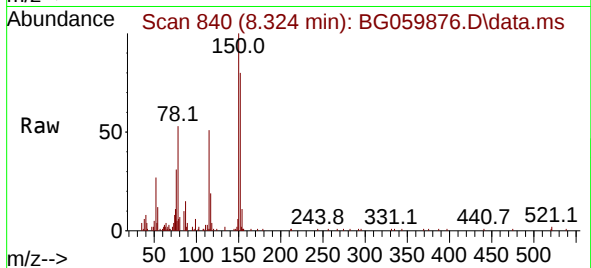
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.324 min Scan# 843
Delta R.T. 0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

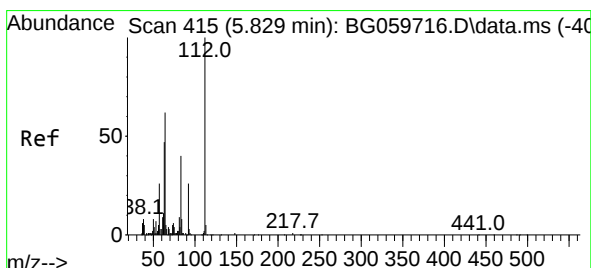
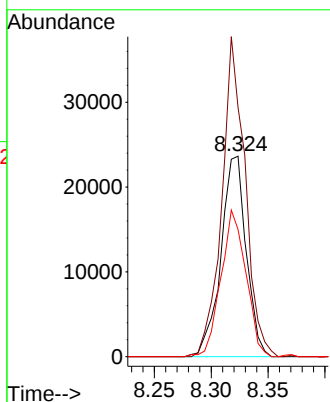
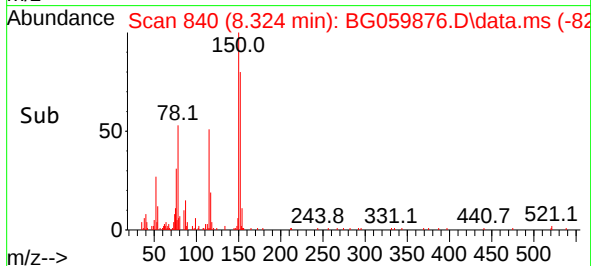
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



Tgt Ion:152 Resp: 3663
Ion Ratio Lower Upper
152 100
150 124.3 122.2 183.4
115 63.5 54.2 81.4

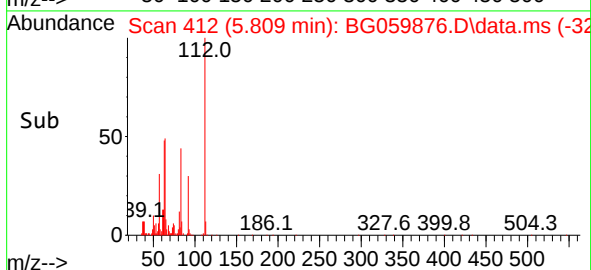
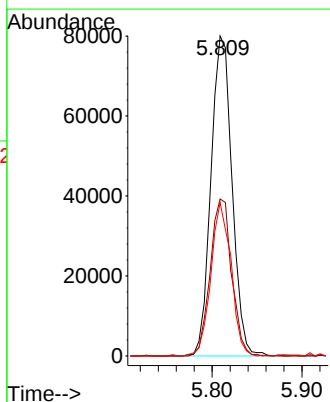
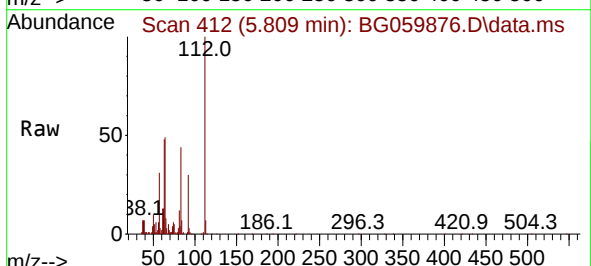
Manual Integrations
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#5
2-Fluorophenol
Concen: 59.887 ng
RT: 5.809 min Scan# 412
Delta R.T. -0.003 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

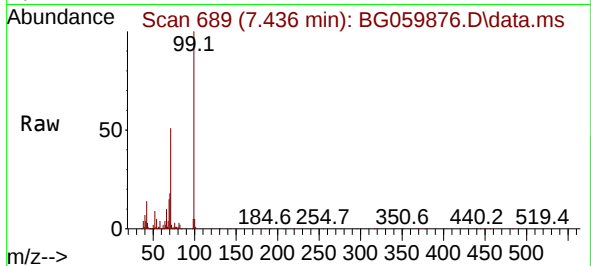
Tgt Ion:112 Resp: 130357
Ion Ratio Lower Upper
112 100
64 49.0 49.5 74.3#
63 47.9 37.4 56.2





#7
Phenol-d6
Concen: 58.173 ng
RT: 7.436 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

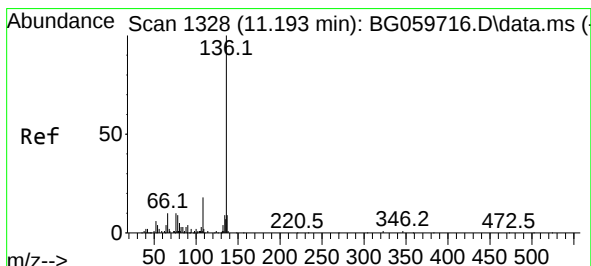
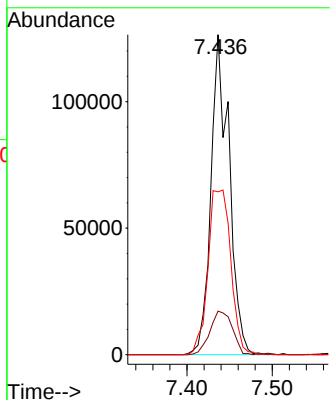
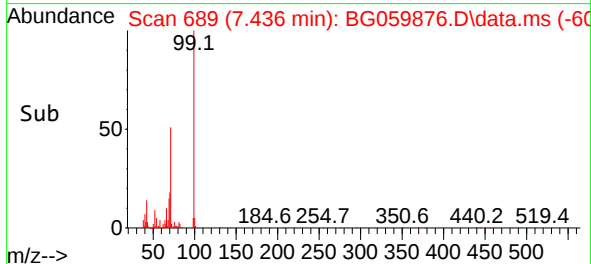
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



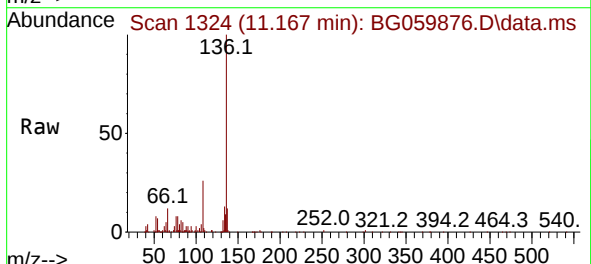
Tgt Ion: 99 Resp: 187648
Ion Ratio Lower Upper
99 100
42 13.6 14.3 21.5#
71 50.9 59.3 88.9#

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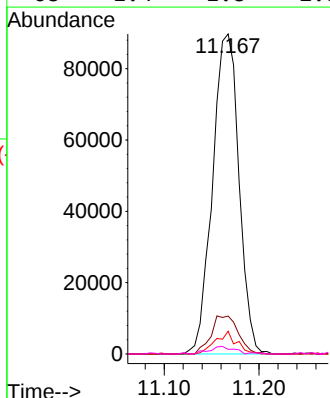
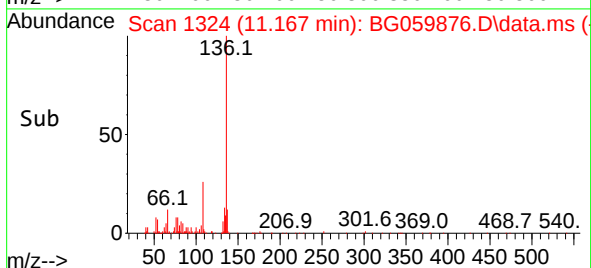
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023

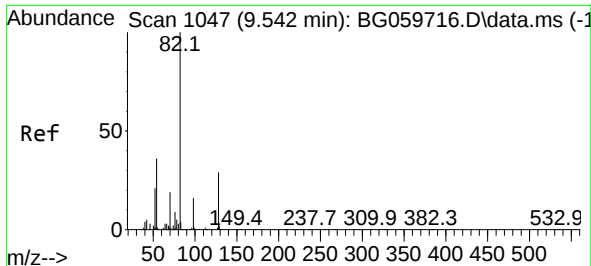


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 1324
Delta R.T. -0.003 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08



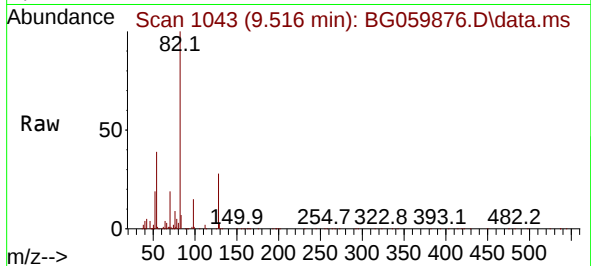
Tgt Ion:136 Resp: 173683
Ion Ratio Lower Upper
136 100
137 11.9 7.4 11.0#
54 7.1 3.1 4.7#
68 1.4 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 58.207 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

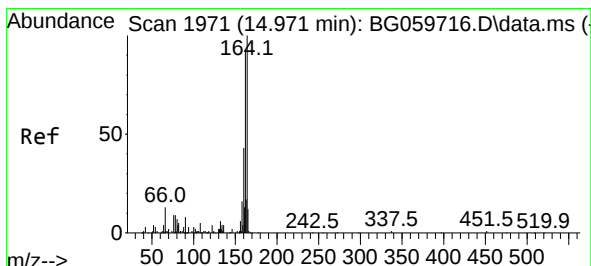
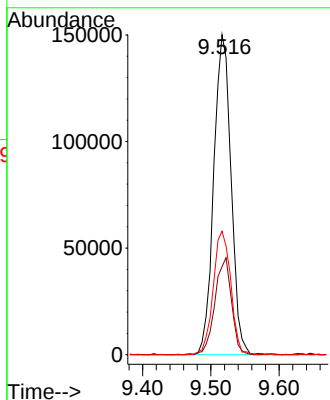
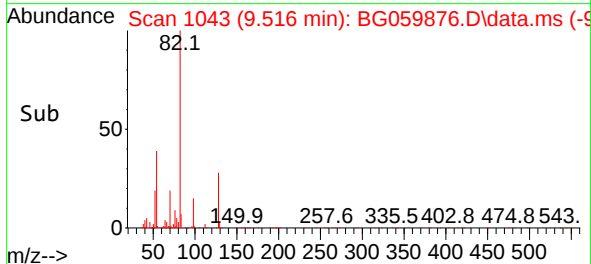
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



Tgt Ion: 82 Resp: 264704
Ion Ratio Lower Upper
82 100
128 27.5 23.0 34.6
54 38.6 28.7 43.1

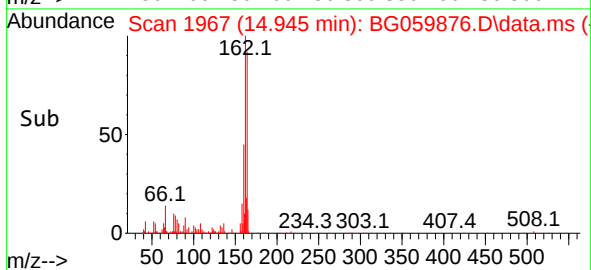
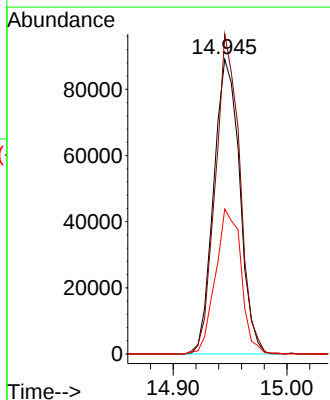
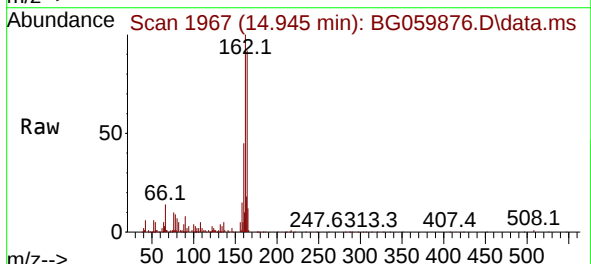
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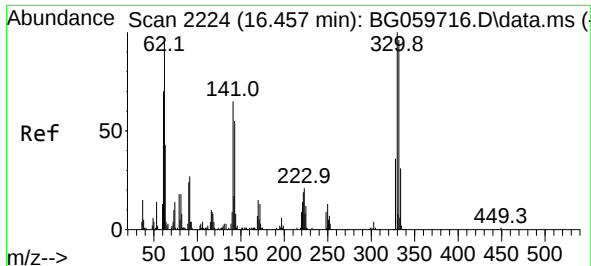
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 1967
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

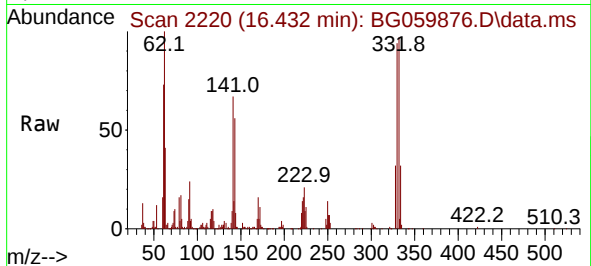
Tgt Ion:164 Resp: 141328
Ion Ratio Lower Upper
164 100
162 108.6 73.3 109.9
160 49.2 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 92.596 ng
RT: 16.432 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

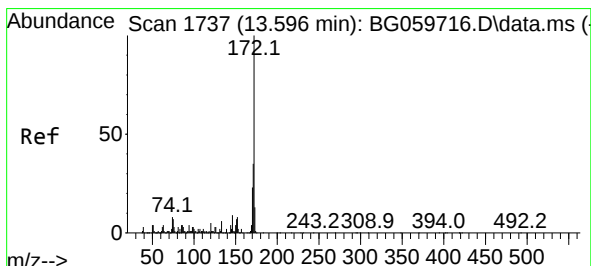
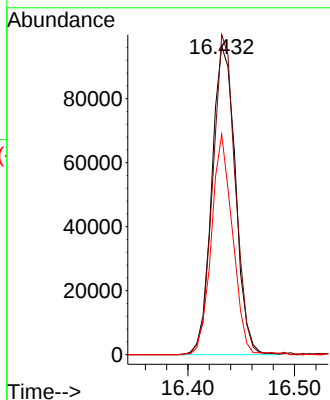
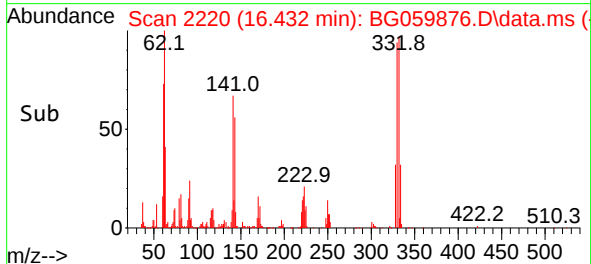
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



Tgt Ion:330 Resp: 14848
Ion Ratio Lower Upper
330 100
332 98.7 73.3 109.9
141 63.7 52.1 78.1

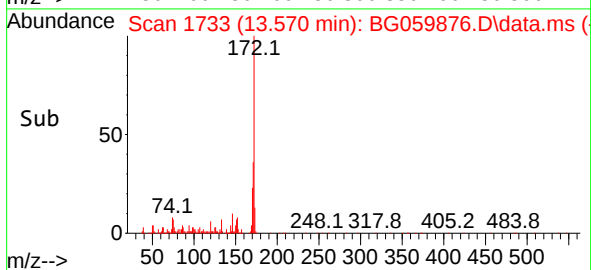
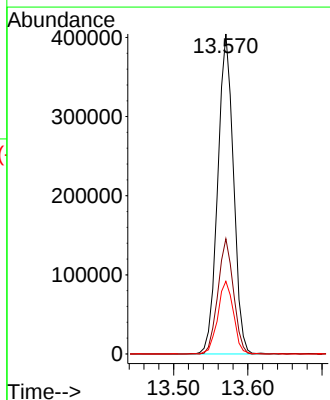
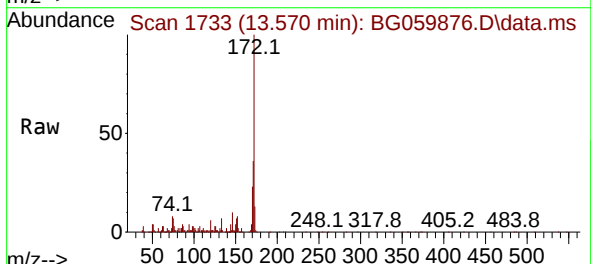
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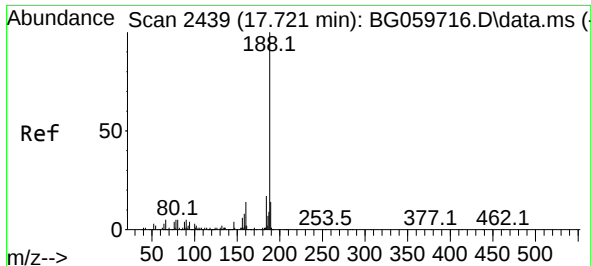
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#45
2-Fluorobiphenyl
Concen: 56.631 ng
RT: 13.570 min Scan# 1733
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

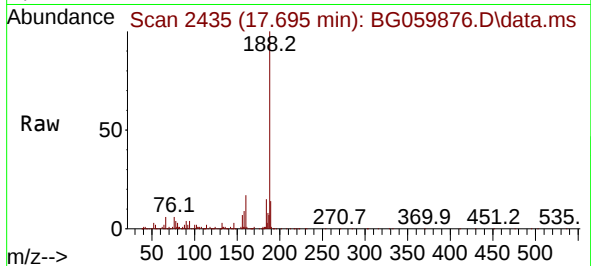
Tgt Ion:172 Resp: 594601
Ion Ratio Lower Upper
172 100
171 36.0 27.7 41.5
170 22.7 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2435
Delta R.T. -0.015 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

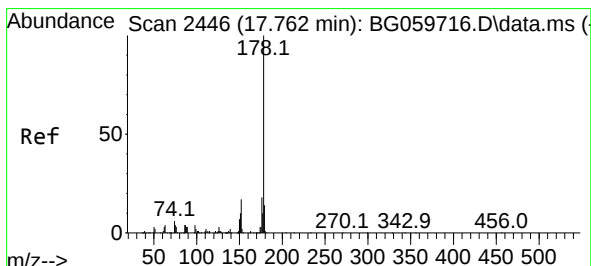
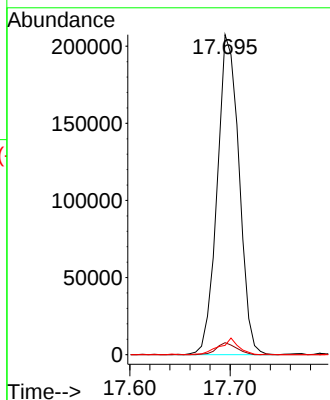
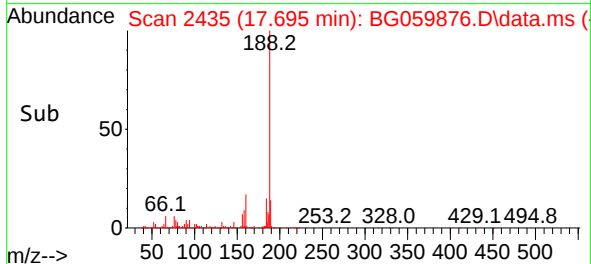
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



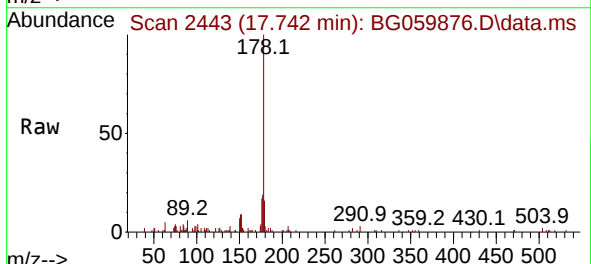
Tgt Ion:188 Resp: 312864
Ion Ratio Lower Upper
188 100
94 3.8 3.0 4.4
80 3.5 4.2 6.4

Manual Integrations
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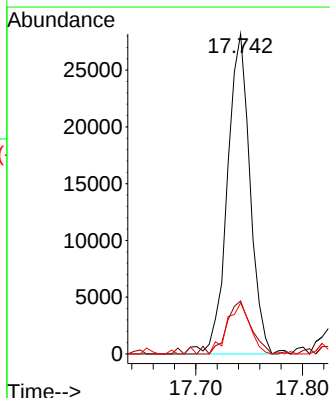
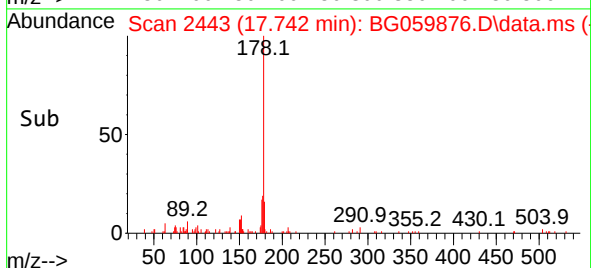
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023

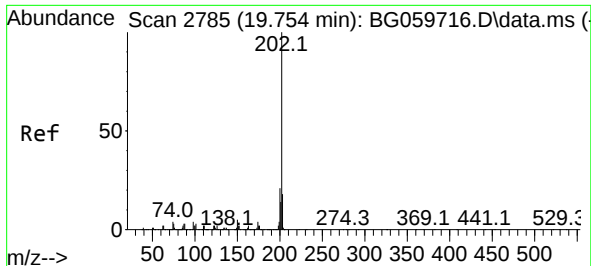


#71
Phenanthrene
Concen: 2.622 ng
RT: 17.742 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08



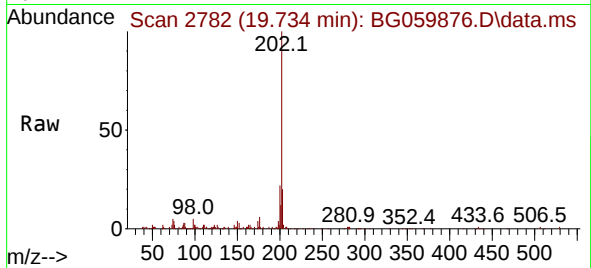
Tgt Ion:178 Resp: 41706
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 16.0 11.2 16.8





#75
Fluoranthene
Concen: 4.652 ng
RT: 19.734 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

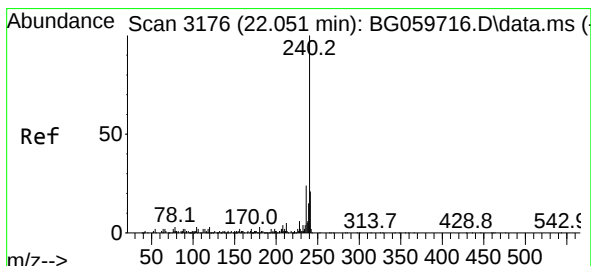
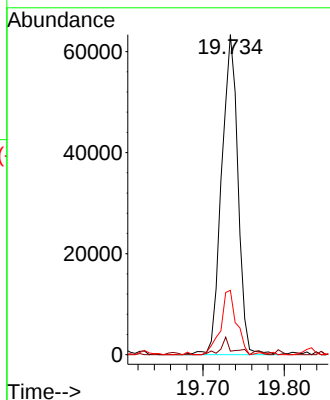
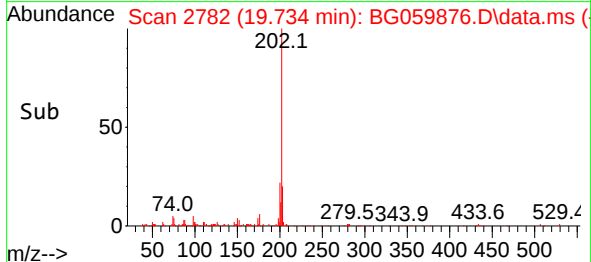
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



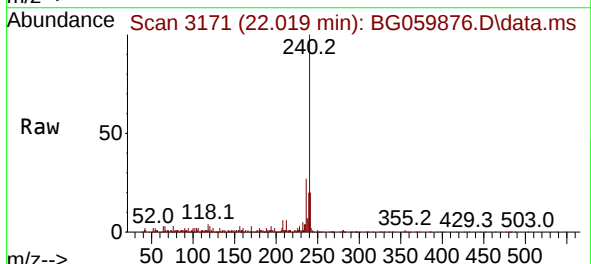
Tgt Ion:202 Resp: 88730
Ion Ratio Lower Upper
202 100
101 1.1 0.0 22.7
203 20.1 0.0 38.2

Manual Integrations
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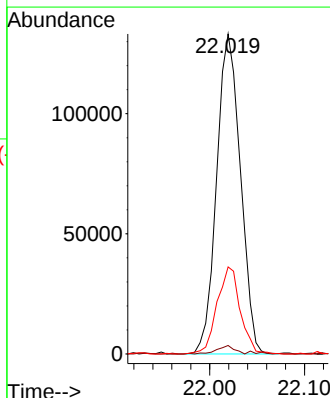
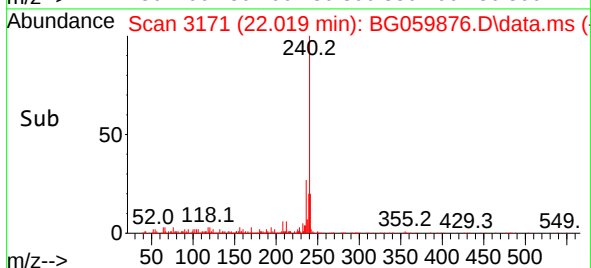
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023

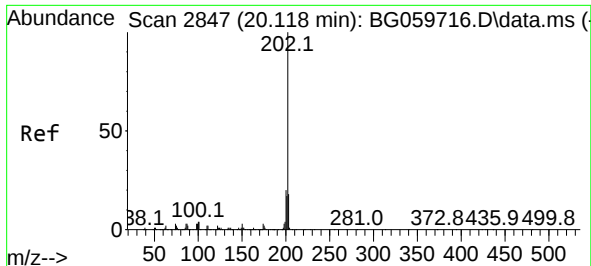


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3171
Delta R.T. -0.015 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08



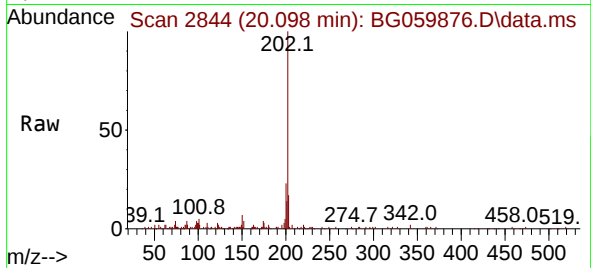
Tgt Ion:240 Resp: 232404
Ion Ratio Lower Upper
240 100
120 2.6 2.2 3.2
236 27.2 19.4 29.2





#78
 Pyrene
 Concen: 5.006 ng
 RT: 20.098 min Scan# 2844
 Delta R.T. -0.009 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

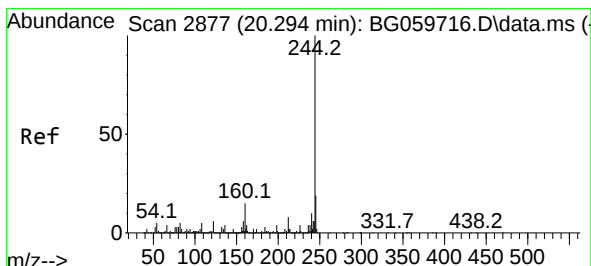
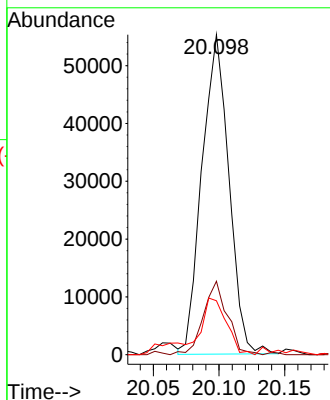
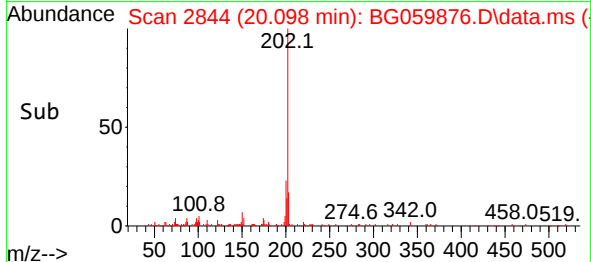
Instrument :
 BNA_G
 ClientSampleId :
 714-BOUND-BROOK



Tgt Ion:202 Resp: 7916
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.2 24.4
 203 16.9 14.0 21.0

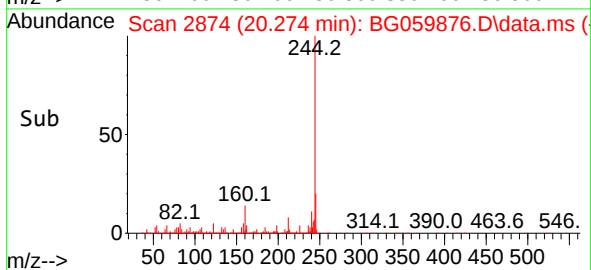
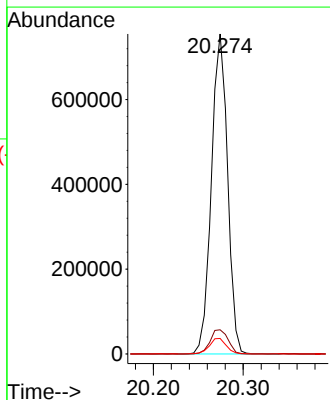
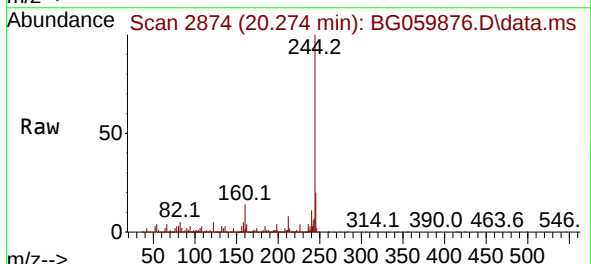
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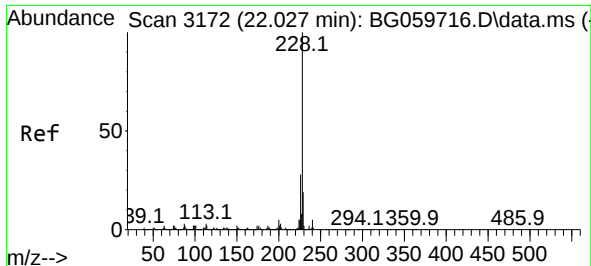
Reviewed By :Yogesh Patel 11/27/2023
 Supervised By :mohammad ahmed 11/28/2023



#79
 Terphenyl-d14
 Concen: 59.889 ng
 RT: 20.274 min Scan# 2874
 Delta R.T. -0.009 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

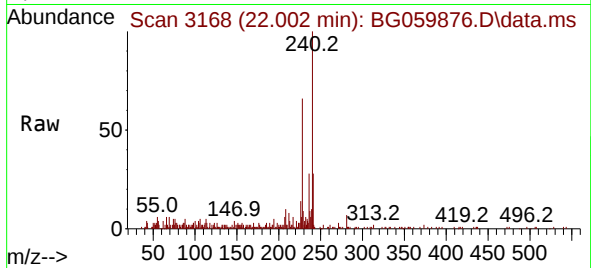
Tgt Ion:244 Resp: 942826
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.6 10.0
 122 4.9 4.4 6.6





#81
Benzo(a)anthracene
Concen: 2.324 ng m
RT: 22.002 min Scan# 3172
Delta R.T. -0.009 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

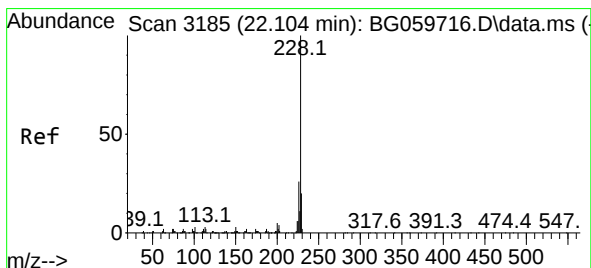
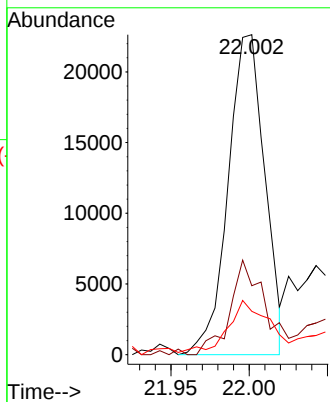
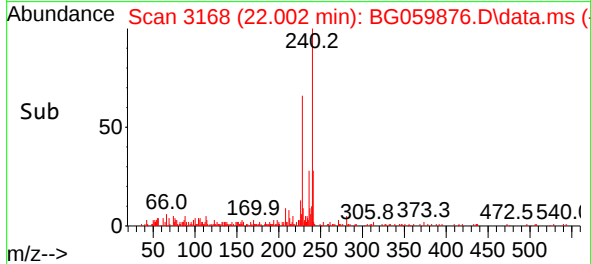
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



Tgt Ion:228 Resp: 36950
Ion Ratio Lower Upper
228 100
226 21.5 22.1 33.1
229 13.6 14.9 22.3

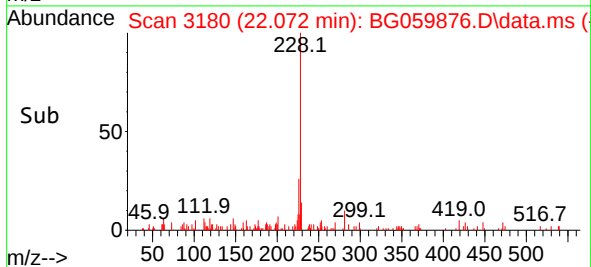
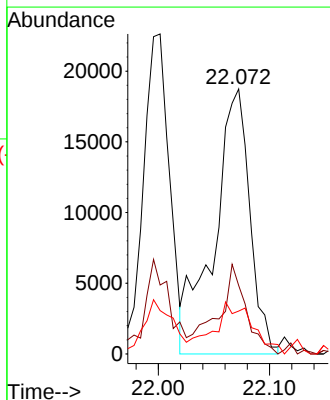
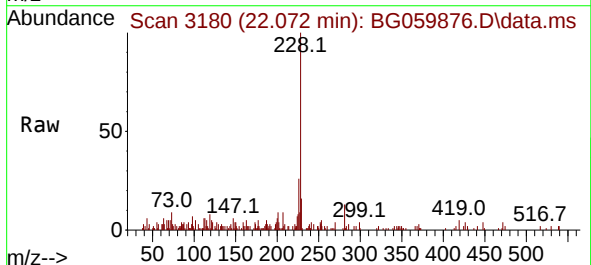
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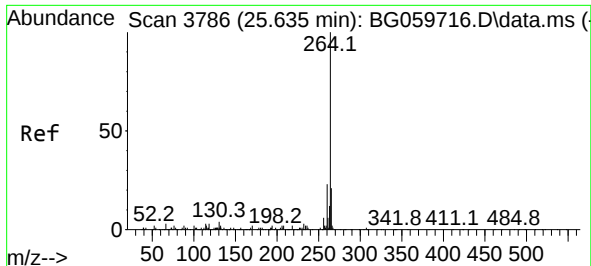
Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#83
Chrysene
Concen: 2.881 ng m
RT: 22.072 min Scan# 3180
Delta R.T. -0.015 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

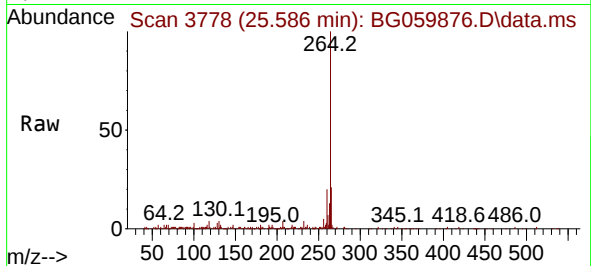
Tgt Ion:228 Resp: 41990
Ion Ratio Lower Upper
228 100
226 25.8 21.1 31.7
229 16.2 16.2 24.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.586 min Scan# 31
 Delta R.T. -0.026 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

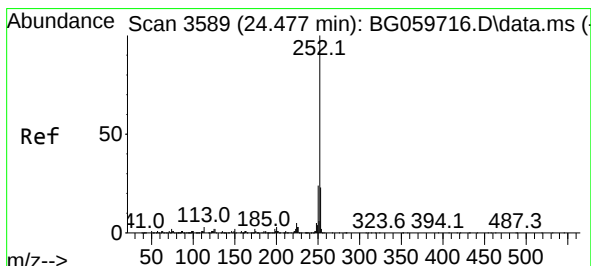
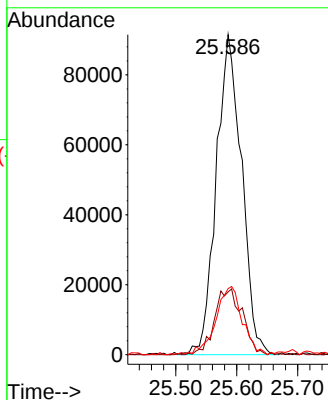
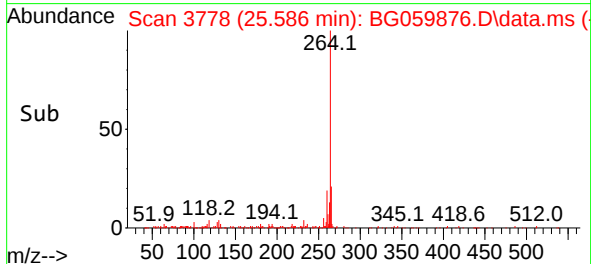
Instrument :
 BNA_G
 ClientSampleId :
 714-BOUND-BROOK



Tgt Ion:264 Resp: 26413
 Ion Ratio Lower Upper
 264 100
 260 19.6 18.5 27.7
 265 20.7 17.0 25.6

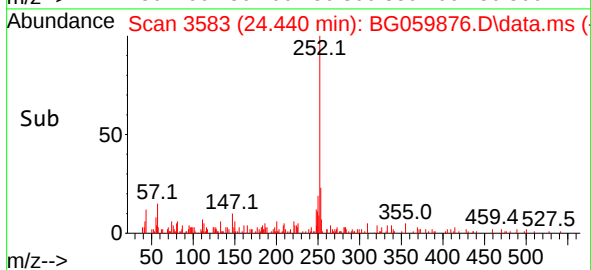
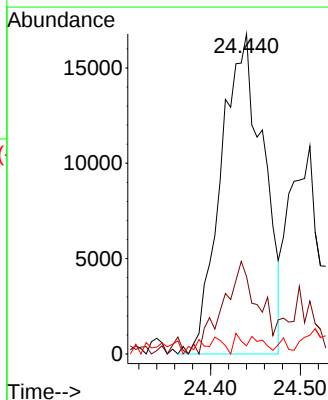
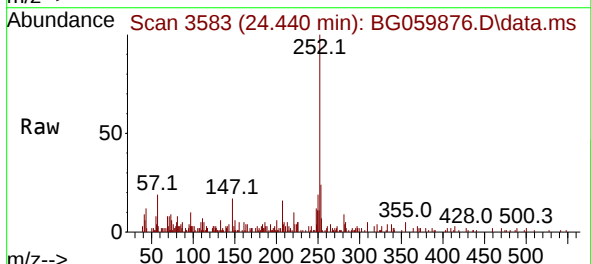
Manual Integrations
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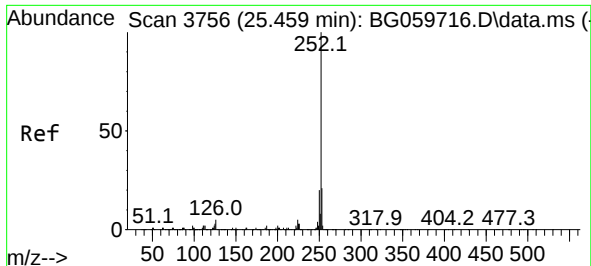
Reviewed By :Yogesh Patel 11/27/2023
 Supervised By :mohammad ahmed 11/28/2023



#88
 Benzo(b)fluoranthene
 Concen: 3.791 ng
 RT: 24.440 min Scan# 3583
 Delta R.T. -0.009 min
 Lab File: BG059876.D
 Acq: 25 Nov 2023 3:08

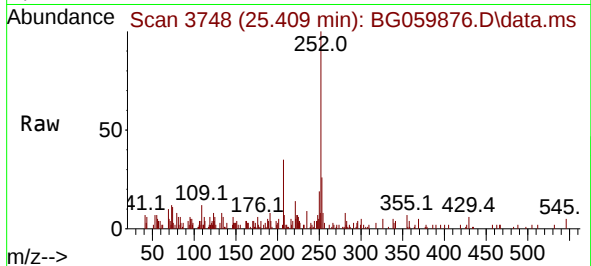
Tgt Ion:252 Resp: 54875
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.3 27.5
 125 2.5 1.4 2.0#





#90
Benzo(a)pyrene
Concen: 2.530 ng
RT: 25.409 min Scan# 31
Delta R.T. -0.032 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08

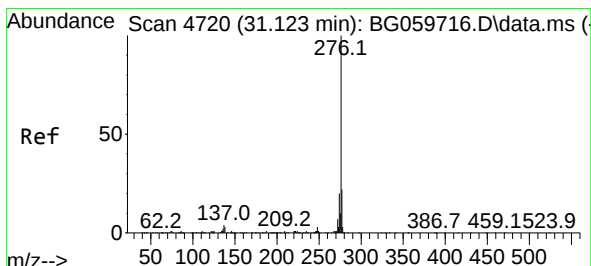
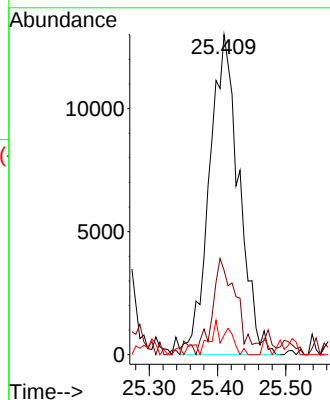
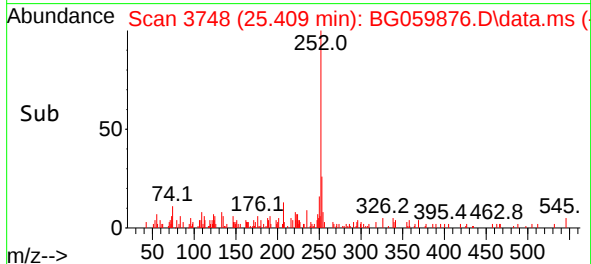
Instrument :
BNA_G
ClientSampleId :
714-BOUND-BROOK



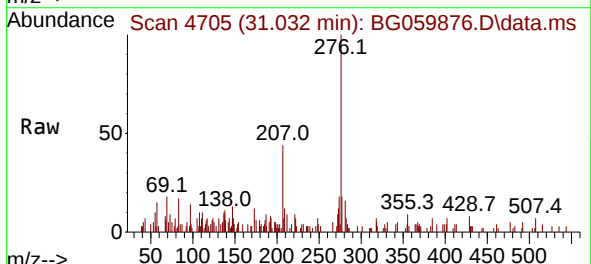
Tgt Ion:252 Resp: 3908
Ion Ratio Lower Upper
252 100
253 26.4 16.8 25.2
125 6.1 2.0 3.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2023
Supervised By :mohammad ahmed 11/28/2023



#92
Benzo(g,h,i)perylene
Concen: 2.317 ng m
RT: 31.032 min Scan# 4705
Delta R.T. -0.062 min
Lab File: BG059876.D
Acq: 25 Nov 2023 3:08



Tgt Ion:276 Resp: 37174
Ion Ratio Lower Upper
276 100
277 17.9 17.3 25.9
138 11.3 2.6 4.0

