

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059796.D
 Acq On : 21 Nov 2023 17:32
 Operator : MA/JU
 Sample : 05402-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUM-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023

Quant Time: Nov 22 09:54:32 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	8.335	152	29253	20.000	ng	0.00
21) Naphthalene-d8	11.185	136	121198	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	108172	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	217620	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	153854	20.000	ng	0.00
86) Perylene-d12	25.656	264	97466	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	114945	66.136	ng	0.00
7) Phenol-d6	7.460	99	182236	70.756	ng	0.00
23) Nitrobenzene-d5	9.534	82	165784	52.242	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	104717	85.320	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	415838	51.745	ng	0.00
79) Terphenyl-d14	20.292	244	549785	52.753	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.528	70	26549	13.090	ng	# 70
31) Naphthalene	11.232	128	43938	7.210	ng	# 94
33) 4-Chloroaniline	11.237	127	5990	2.311	ng	# 54
71) Phenanthrene	17.759	178	104196	9.417	ng	98
72) Anthracene	17.759	178	104196	9.064	ng	98
75) Fluoranthene	19.751	202	229967	17.332	ng	99
78) Pyrene	20.115	202	248844	23.772	ng	96
81) Benzo(a)anthracene	22.025	228	101601	9.651	ng	# 90
83) Chrysene	22.095	228	129420	13.411	ng	# 75
88) Benzo(b)fluoranthene	24.487	252	73406	13.741	ng	# 90
89) Benzo(k)fluoranthene	24.487	252	73406	13.899	ng	# 88
90) Benzo(a)pyrene	25.474	252	44960	7.886	ng	# 81

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

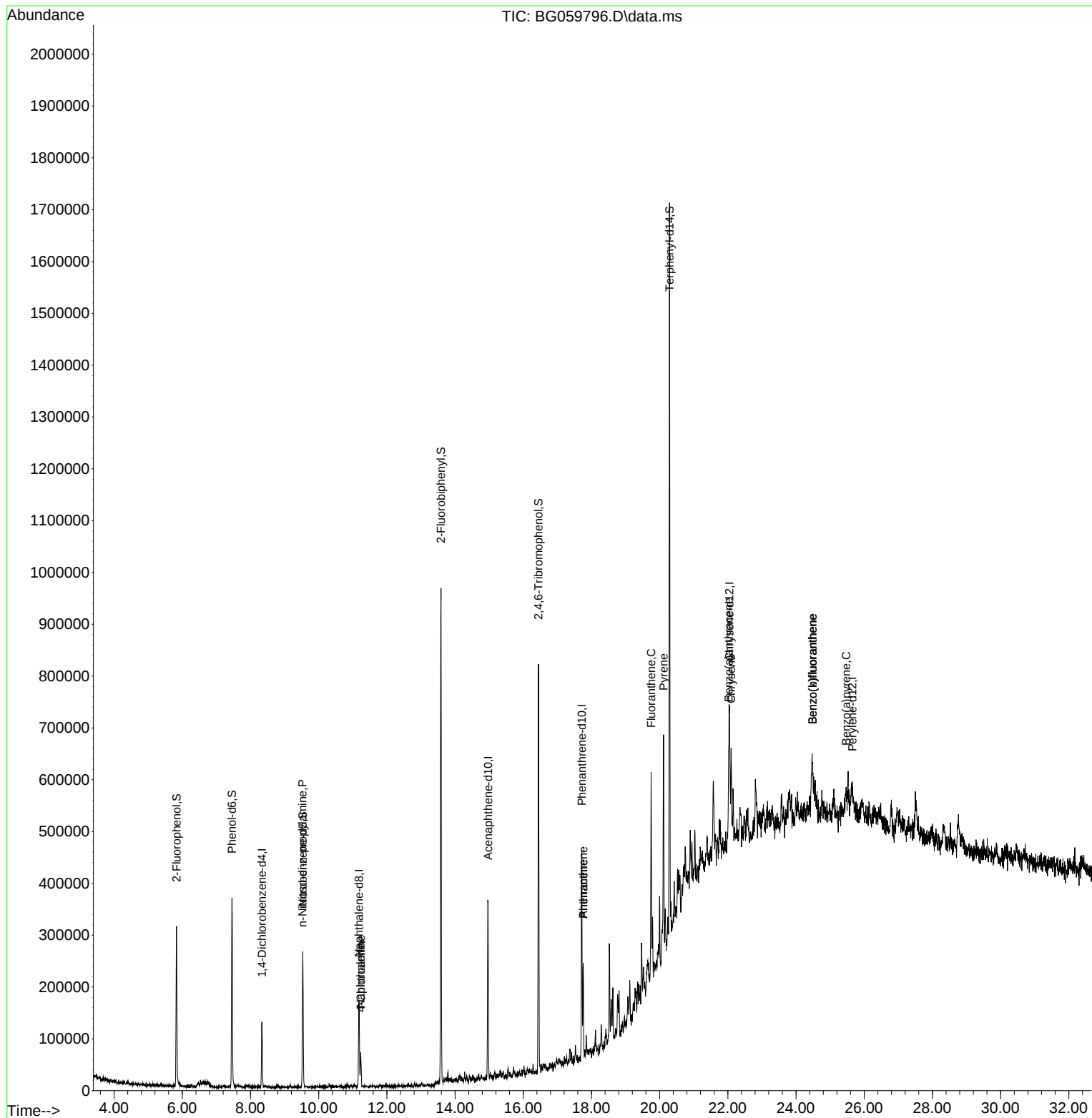
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Data File : BG059796.D
Acq On : 21 Nov 2023 17:32
Operator : MA/JU
Sample : 05402-01
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ALS Vial : 13 Sample Multiplier: 1

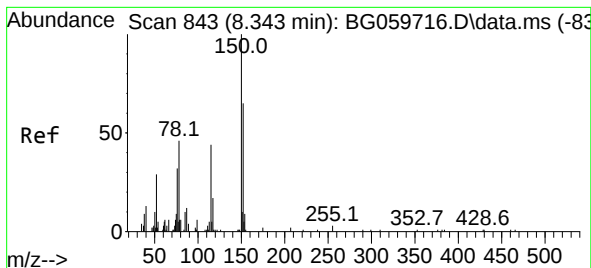
Instrument :
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Quant Time: Nov 22 09:54:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
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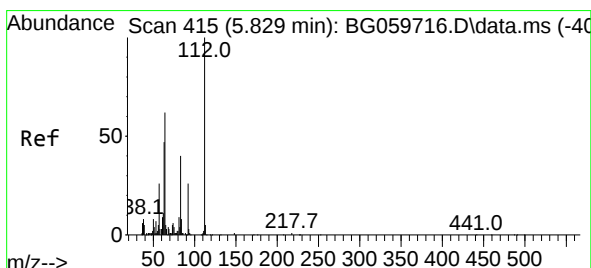
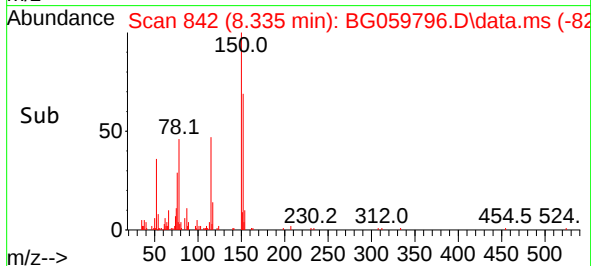
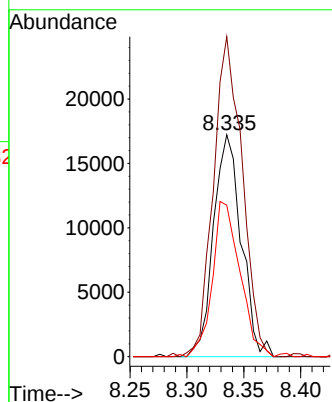
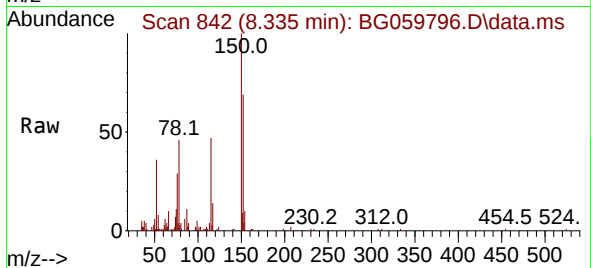
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

Tgt Ion:152 Resp: 2925
Ion Ratio Lower Upper
152 100
150 144.2 122.2 183.4
115 68.3 54.2 81.4

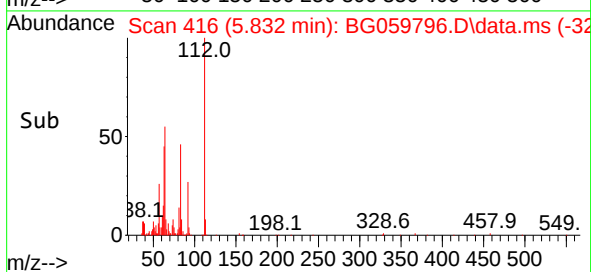
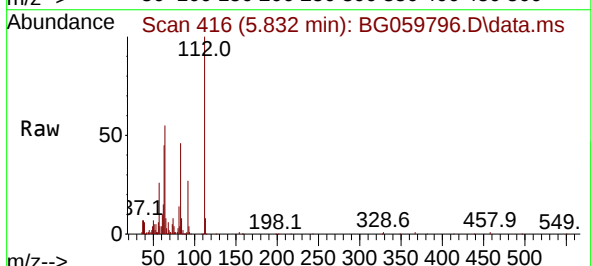
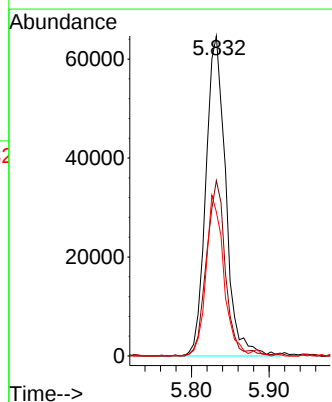
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#5
2-Fluorophenol
Concen: 66.136 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

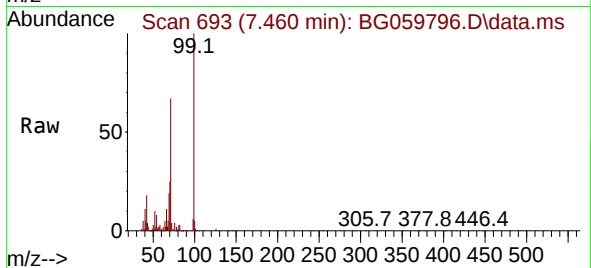
Tgt Ion:112 Resp: 114945
Ion Ratio Lower Upper
112 100
64 54.8 49.5 74.3
63 45.0 37.4 56.2





#7
Phenol-d6
Concen: 70.756 ng
RT: 7.460 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

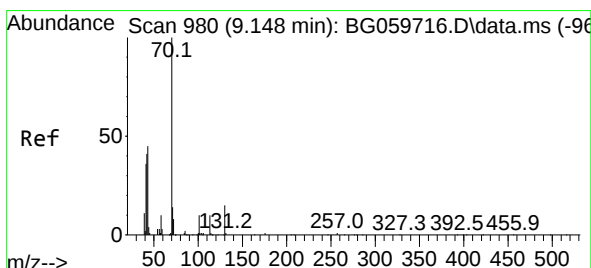
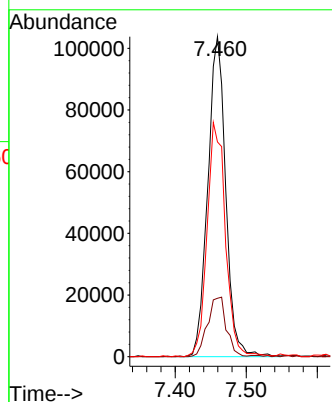
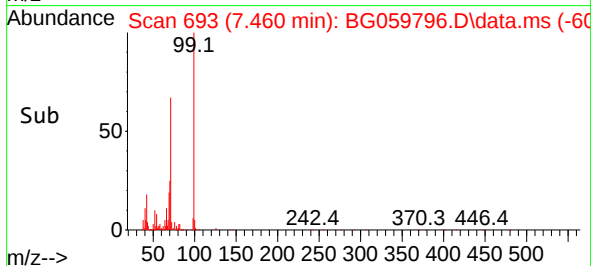
Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP



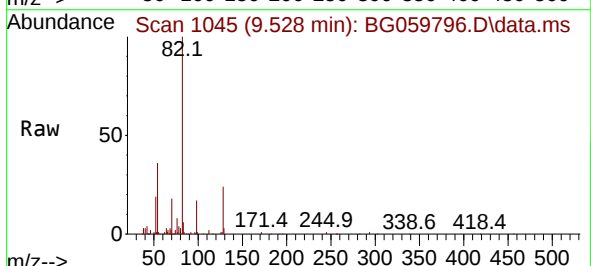
Tgt Ion: 99 Resp: 182236
Ion Ratio Lower Upper
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42 18.2 14.3 21.5
71 67.1 59.3 88.9

Manual Integrations
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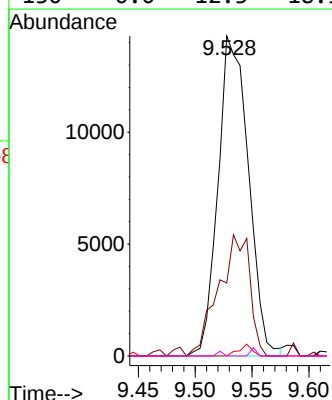
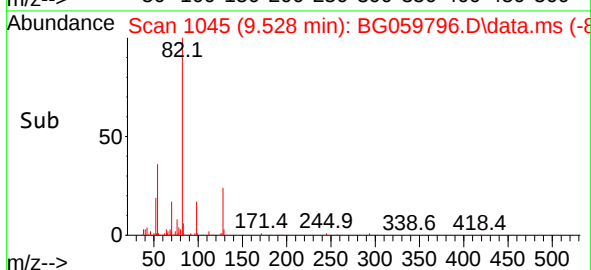
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

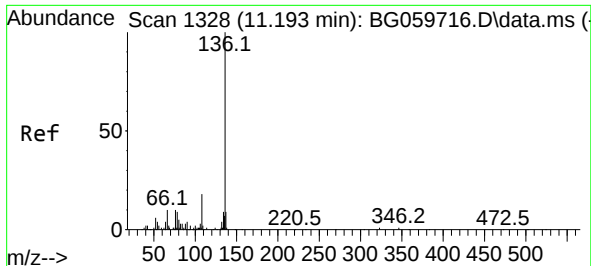


#19
n-Nitroso-di-n-propylamine
Concen: 13.090 ng
RT: 9.528 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32



Tgt Ion: 70 Resp: 26549
Ion Ratio Lower Upper
70 100
42 22.8 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#





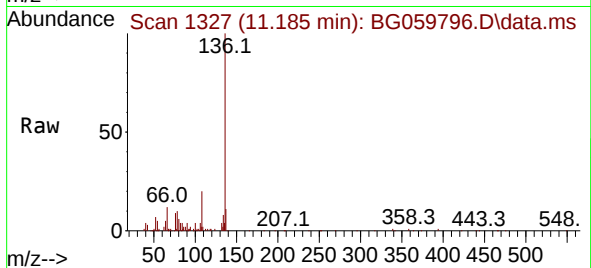
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 1327
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM-COMP



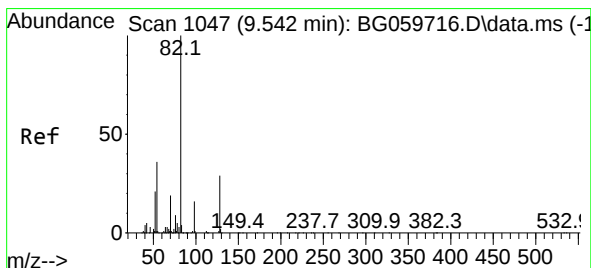
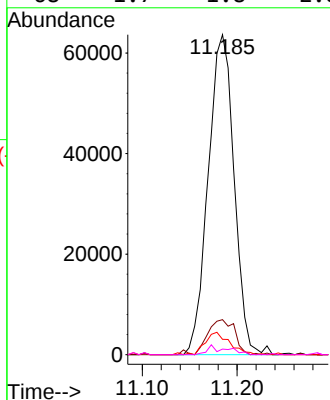
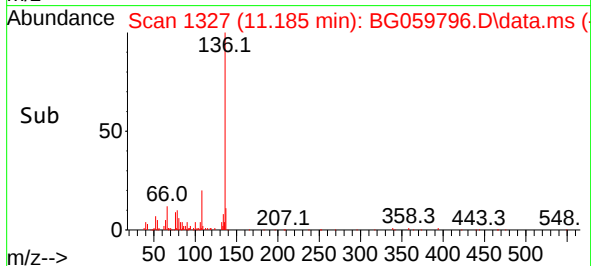
Tgt Ion:136 Resp: 121198
Ion Ratio Lower Upper
136 100
137 10.9 7.4 11.0
54 4.8 3.1 4.7
68 1.7 1.8 2.8

Manual Integrations

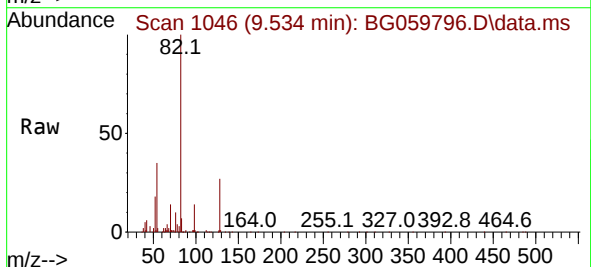
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Reviewed By :Yogesh Patel 11/23/2023

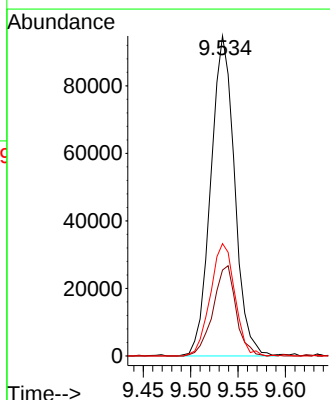
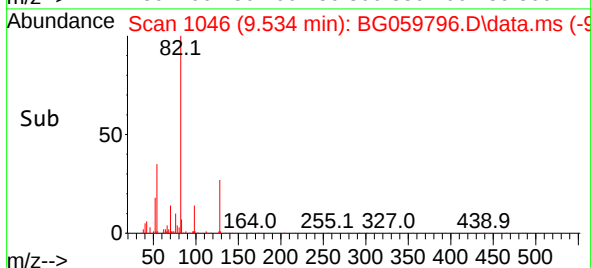
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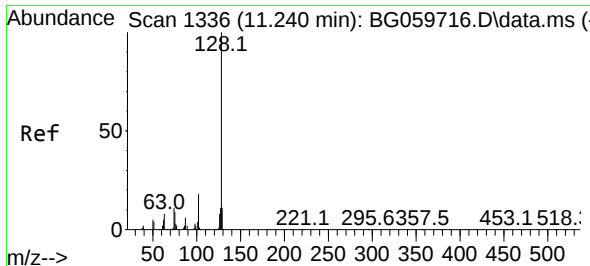


#23
Nitrobenzene-d5
Concen: 52.242 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32



Tgt Ion: 82 Resp: 165784
Ion Ratio Lower Upper
82 100
128 26.9 23.0 34.6
54 35.1 28.7 43.1





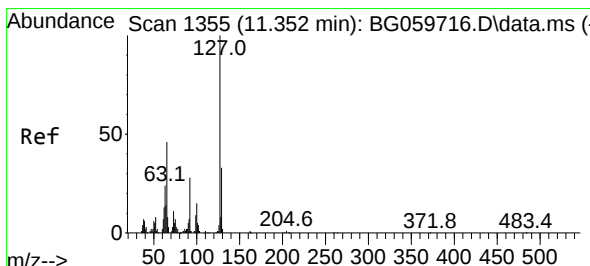
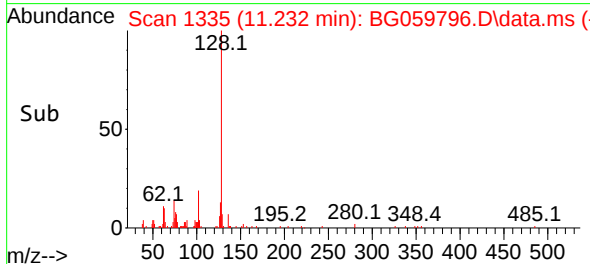
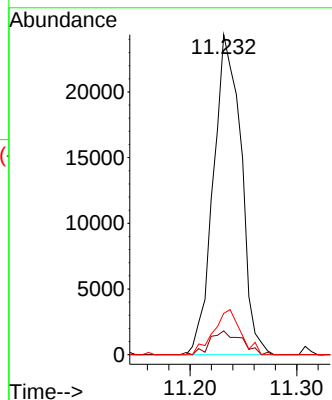
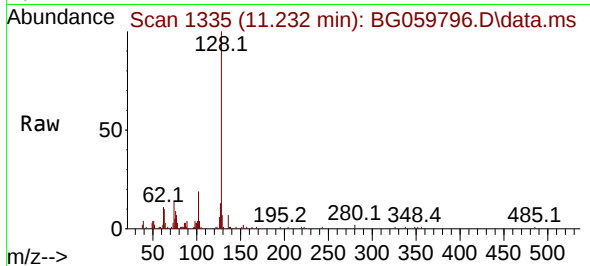
#31
Naphthalene
Concen: 7.210 ng
RT: 11.232 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

Tgt Ion:128 Resp: 43938
Ion Ratio Lower Upper
128 100
129 7.5 8.7 13.1
127 12.9 9.2 13.8

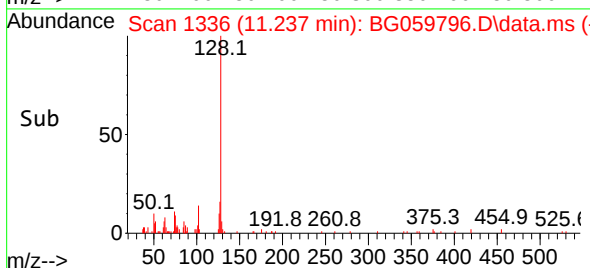
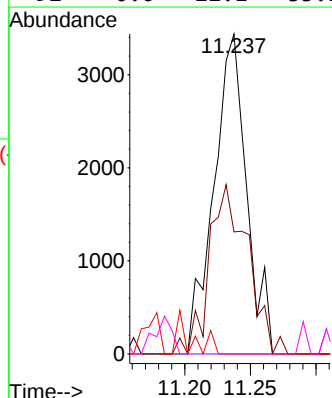
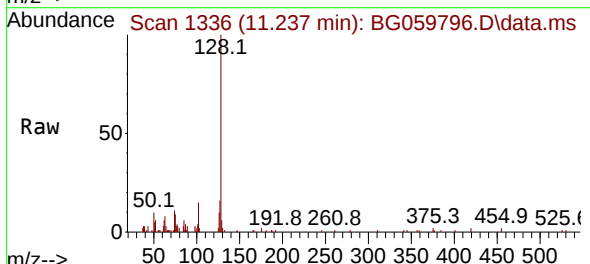
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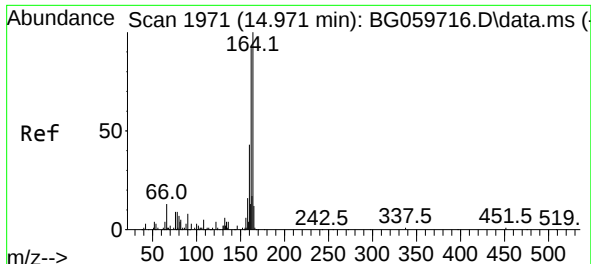
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Supervised By :mohammad ahmed 11/23/2023



#33
4-Chloroaniline
Concen: 2.311 ng
RT: 11.237 min Scan# 1336
Delta R.T. -0.114 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Tgt Ion:127 Resp: 5990
Ion Ratio Lower Upper
127 100
129 38.1 26.8 40.2
65 0.0 36.5 54.7#
92 0.0 22.1 33.1#





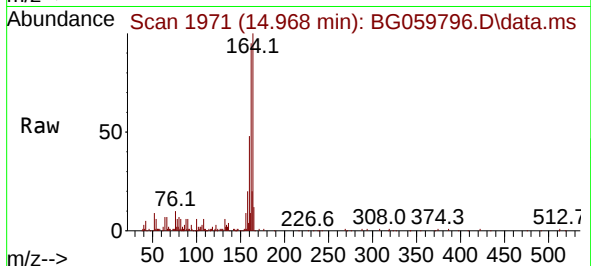
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM-COMP

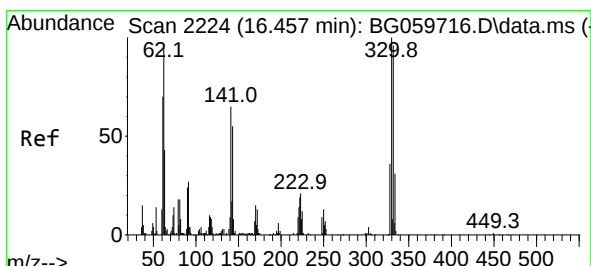
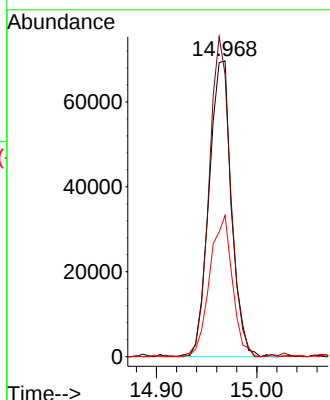
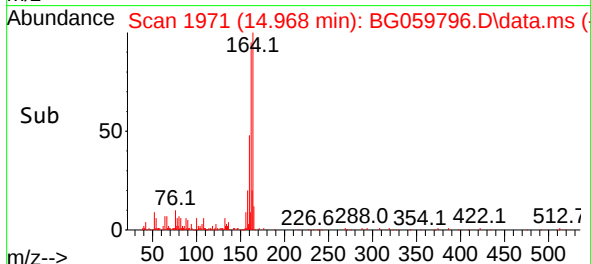


Tgt Ion:164 Resp: 108172
Ion Ratio Lower Upper
164 100
162 95.4 73.3 109.9
160 47.8 34.1 51.1

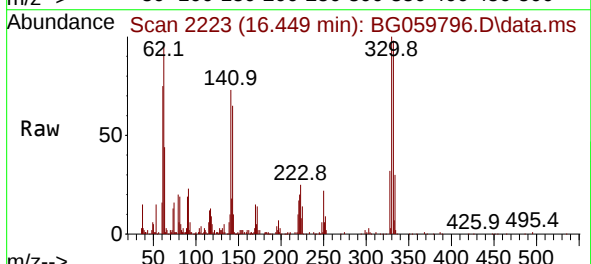
Manual Integrations

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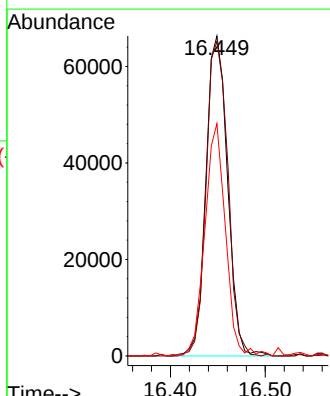
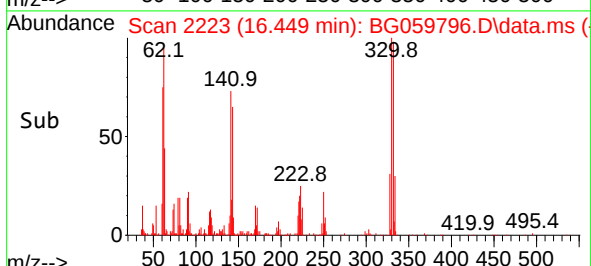
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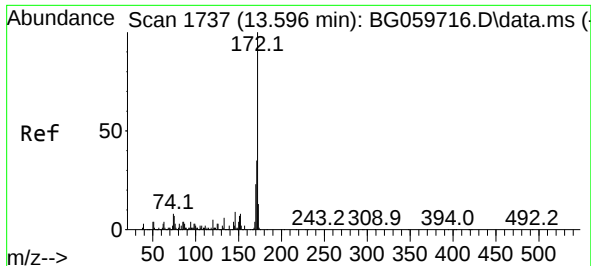


#42
2,4,6-Tribromophenol
Concen: 85.320 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32



Tgt Ion:330 Resp: 104717
Ion Ratio Lower Upper
330 100
332 98.8 73.3 109.9
141 69.7 52.1 78.1





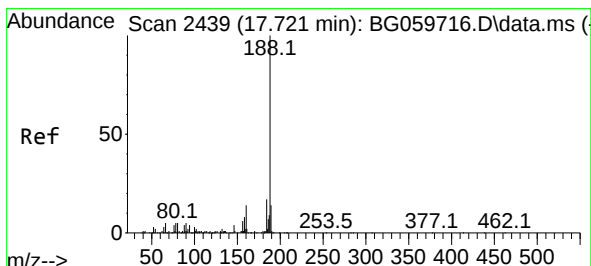
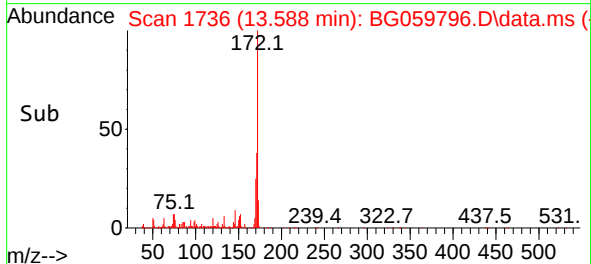
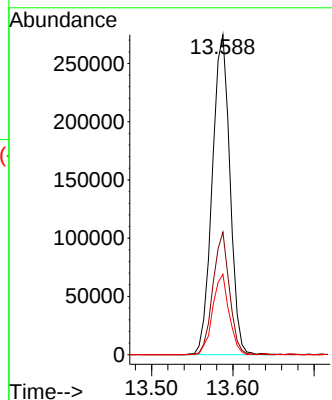
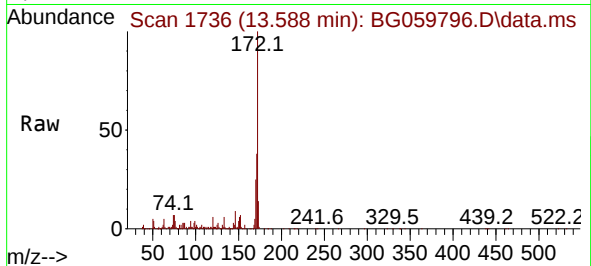
#45
2-Fluorobiphenyl
Concen: 51.745 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

Tgt Ion:172 Resp: 415838
Ion Ratio Lower Upper
172 100
171 38.3 27.7 41.5
170 25.2 18.4 27.6

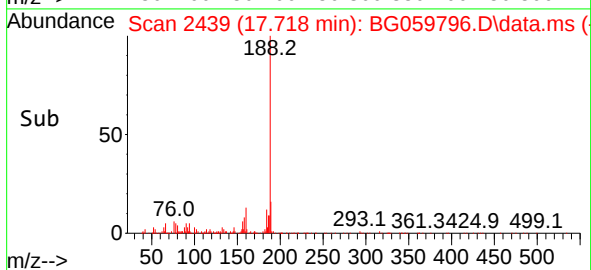
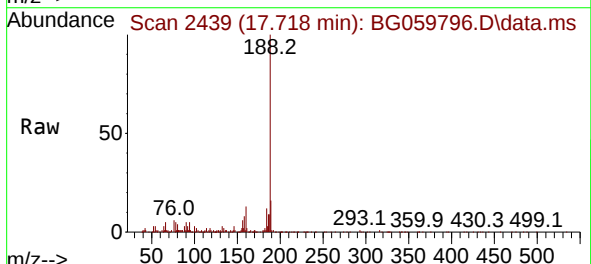
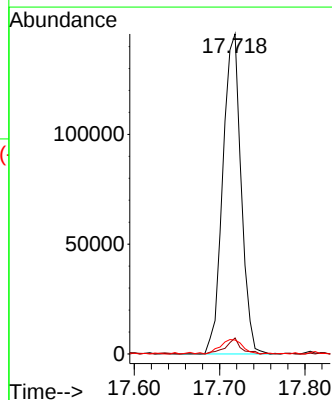
Manual Integrations
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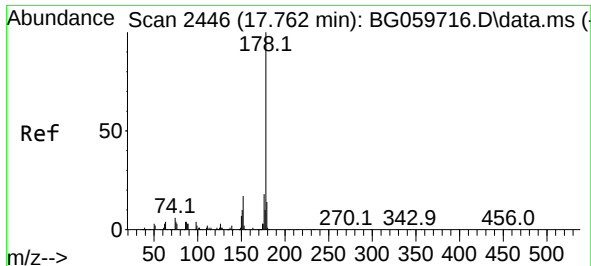
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Tgt Ion:188 Resp: 217620
Ion Ratio Lower Upper
188 100
94 5.0 3.0 4.4#
80 4.3 4.2 6.4





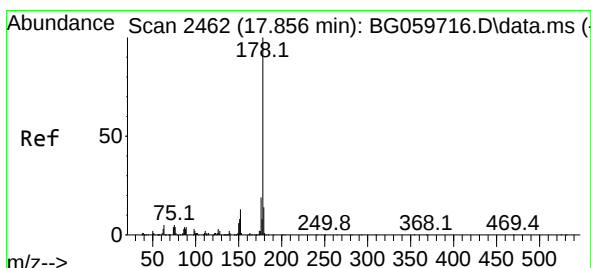
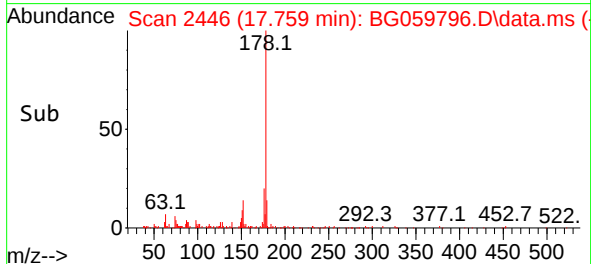
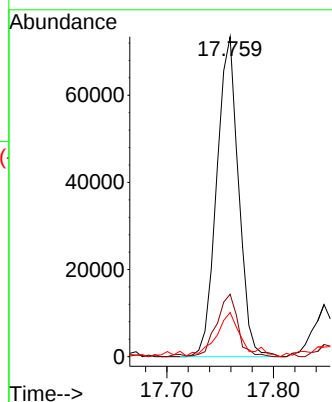
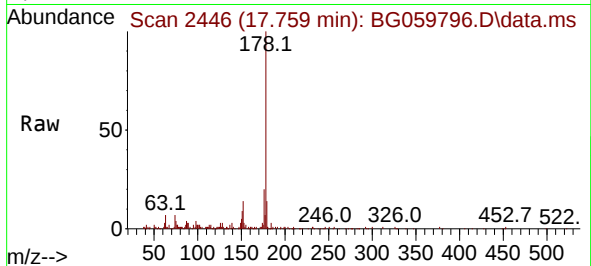
#71
Phenanthrene
Concen: 9.417 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

Tgt Ion:178 Resp: 104196
Ion Ratio Lower Upper
178 100
176 19.5 14.5 21.7
179 13.8 11.2 16.8

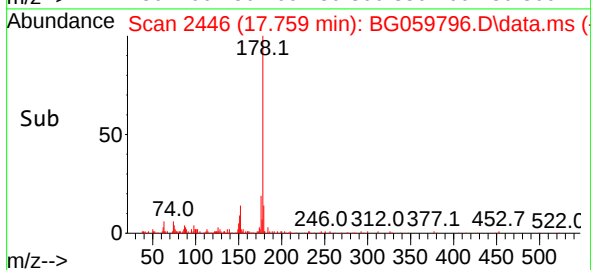
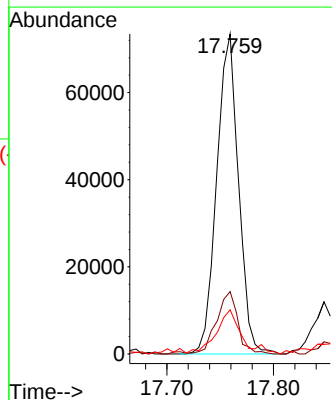
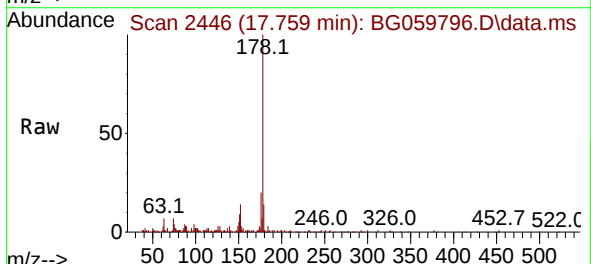
Manual Integrations
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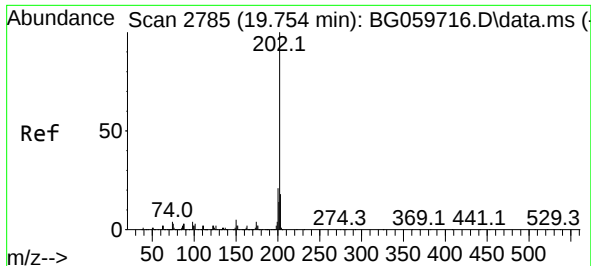
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#72
Anthracene
Concen: 9.064 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.097 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

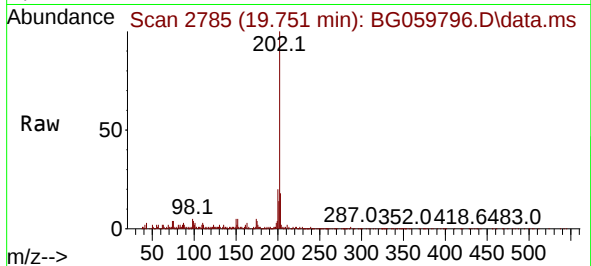
Tgt Ion:178 Resp: 104196
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 13.8 11.5 17.3





#75
Fluoranthene
Concen: 17.332 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

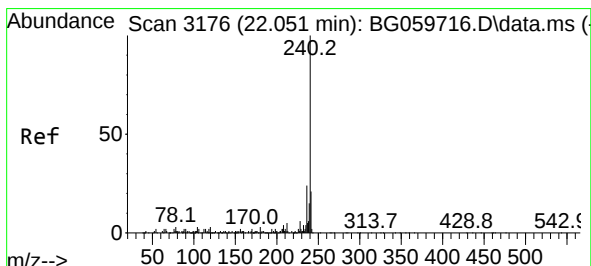
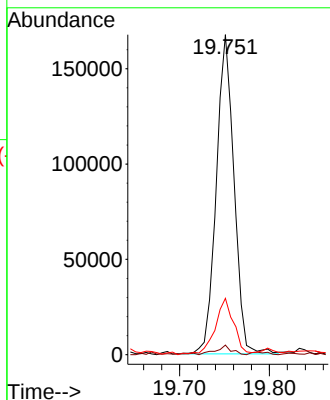
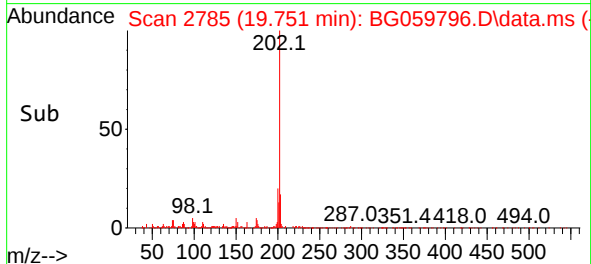
Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP



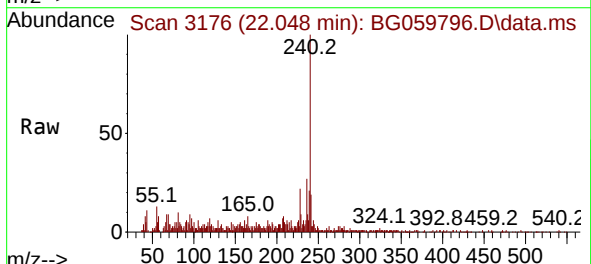
Tgt Ion:202 Resp: 22996
Ion Ratio Lower Upper
202 100
101 3.0 0.0 22.7
203 17.6 0.0 38.2

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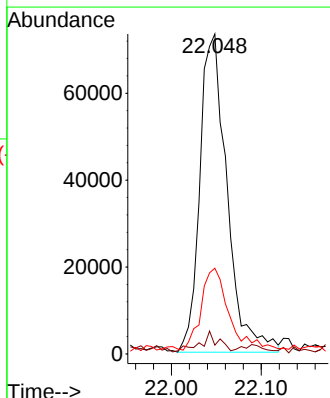
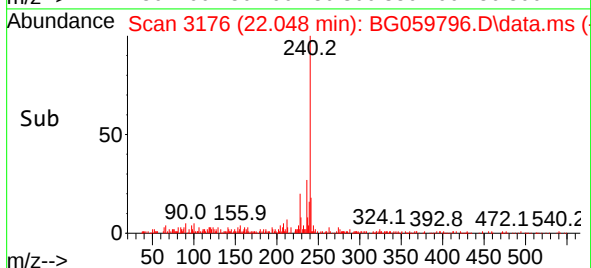
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

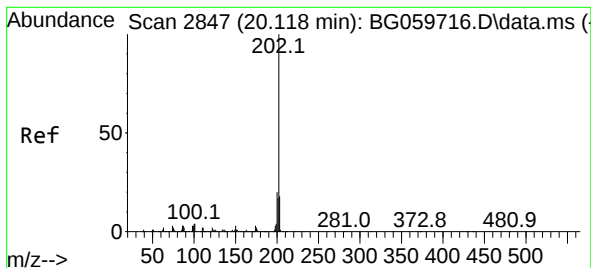


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.048 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32



Tgt Ion:240 Resp: 153854
Ion Ratio Lower Upper
240 100
120 2.7 2.2 3.2
236 26.8 19.4 29.2





#78

Pyrene

Concen: 23.772 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059796.D

Acq: 21 Nov 2023 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM-COMP

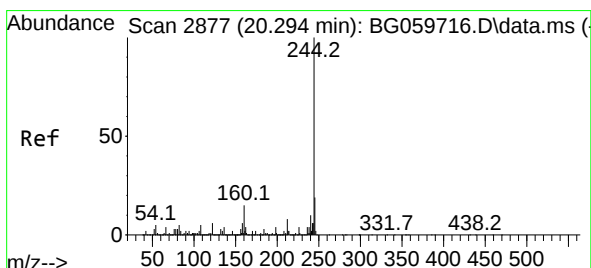
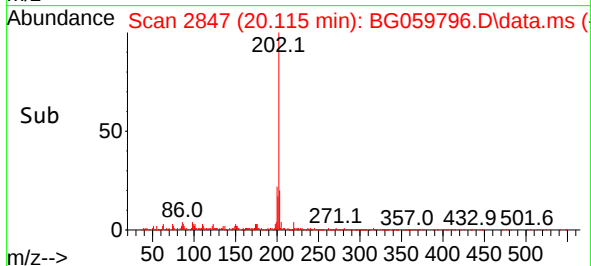
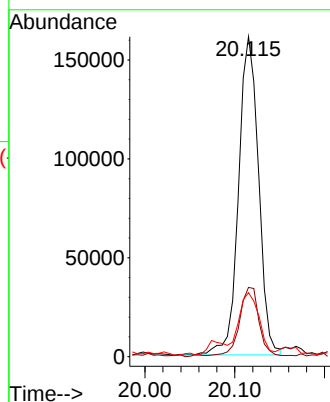
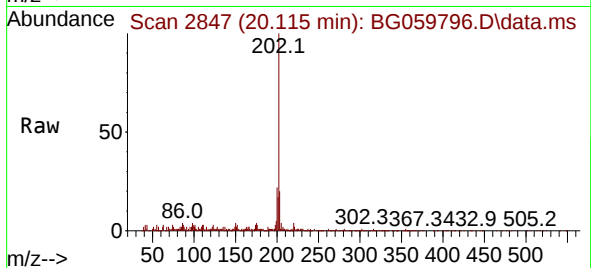
Tgt Ion:	202	Resp:	24884
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.2	24.4
203	20.0	14.0	21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#79

Terphenyl-d14

Concen: 52.753 ng

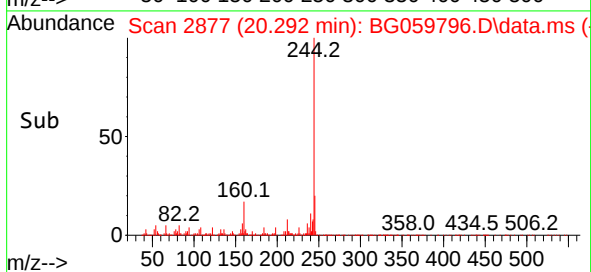
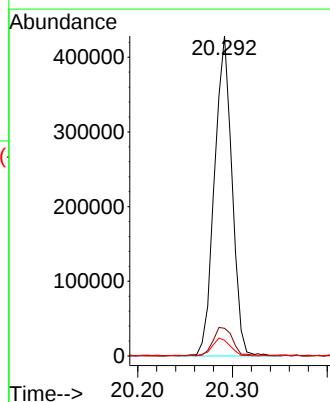
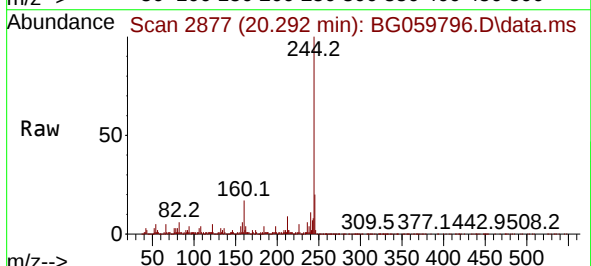
RT: 20.292 min Scan# 2877

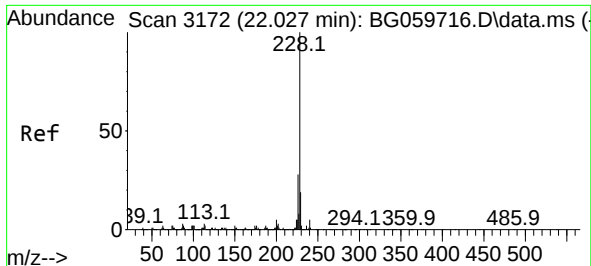
Delta R.T. -0.003 min

Lab File: BG059796.D

Acq: 21 Nov 2023 17:32

Tgt Ion:	244	Resp:	549785
Ion Ratio	Lower	Upper	
244	100		
212	8.6	6.6	10.0
122	4.9	4.4	6.6





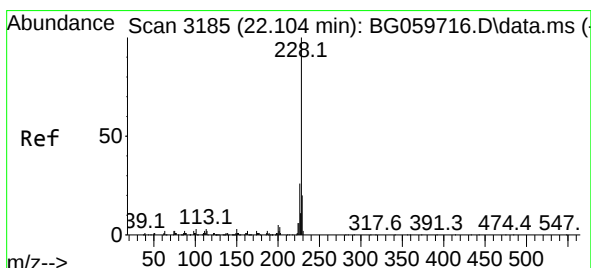
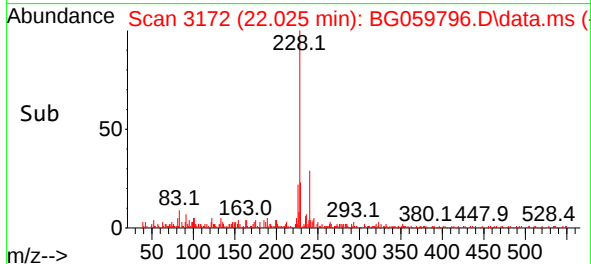
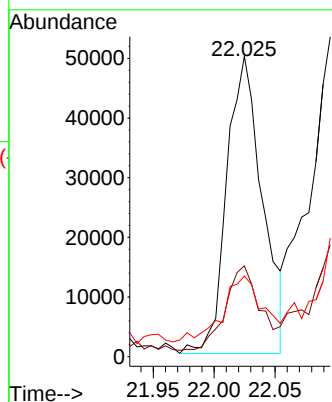
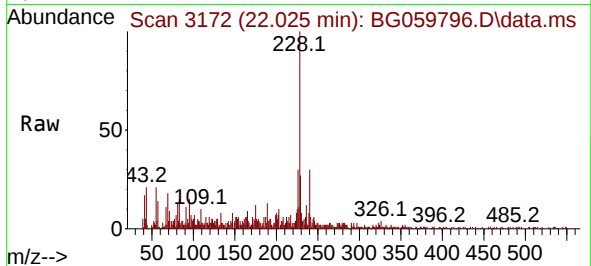
#81
Benzo(a)anthracene
Concen: 9.651 ng
RT: 22.025 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP

Tgt Ion:228 Resp: 101600
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 26.9 14.9 22.3

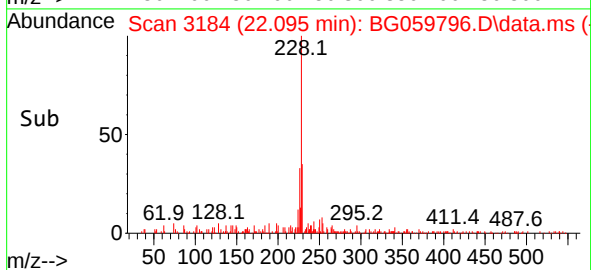
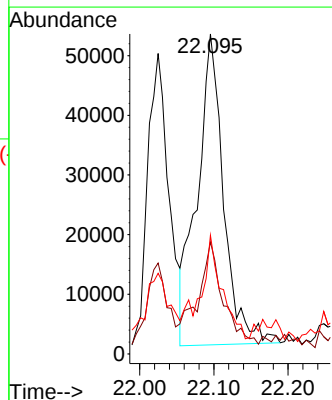
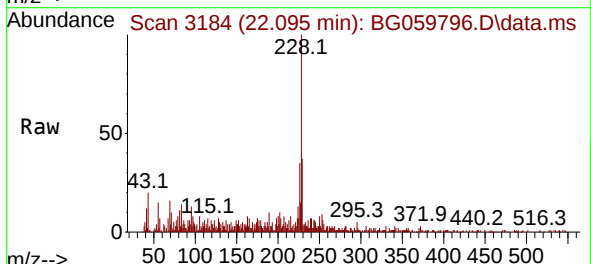
Manual Integrations
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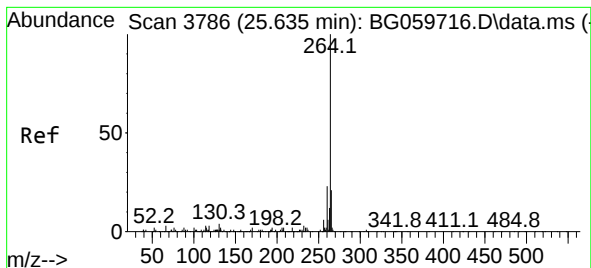
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#83
Chrysene
Concen: 13.411 ng
RT: 22.095 min Scan# 3184
Delta R.T. -0.008 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Tgt Ion:228 Resp: 129420
Ion Ratio Lower Upper
228 100
226 35.0 21.1 31.7#
229 37.1 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.656 min Scan# 31

Delta R.T. 0.021 min

Lab File: BG059796.D

Acq: 21 Nov 2023 17:32

Instrument :

BNL_G

ClientSampleId :

SOIL-DRUM-COMP

Tgt Ion:264 Resp: 97460

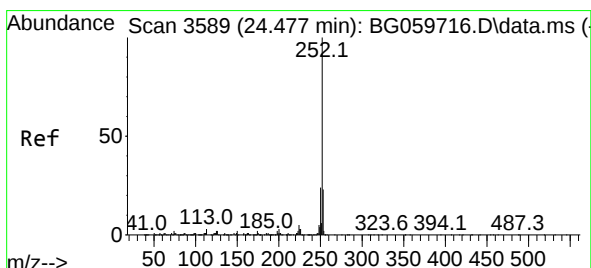
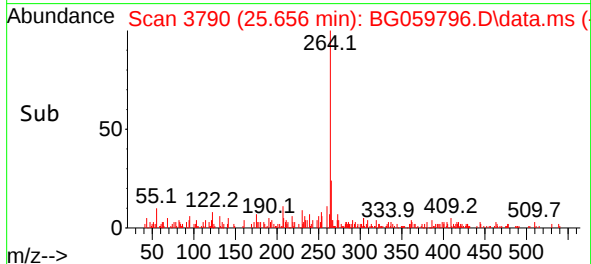
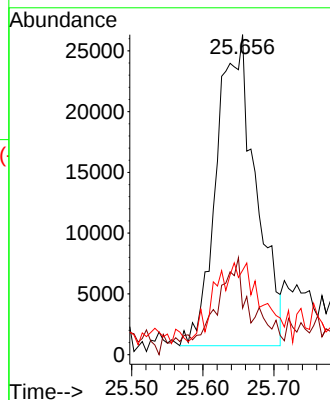
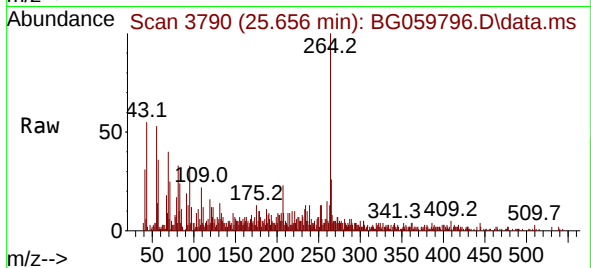
Ion	Ratio	Lower	Upper
264	100		
260	14.5	18.5	27.7
265	26.4	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#88

Benzo(b)fluoranthene

Concen: 13.741 ng

RT: 24.487 min Scan# 3591

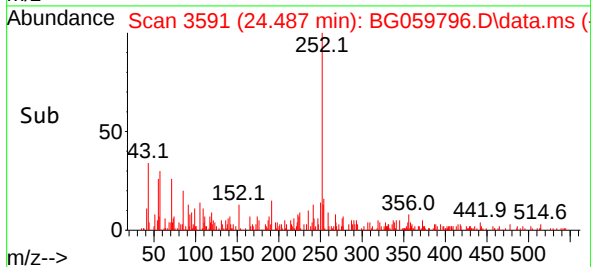
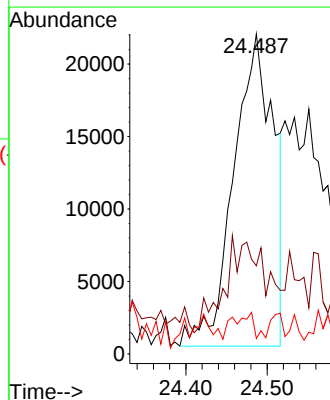
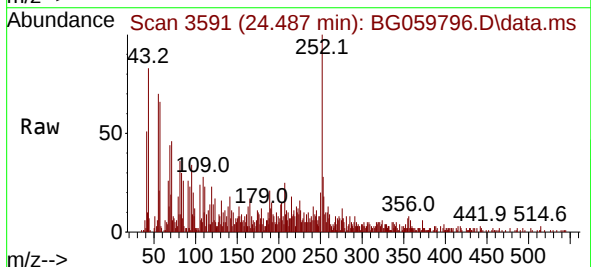
Delta R.T. 0.009 min

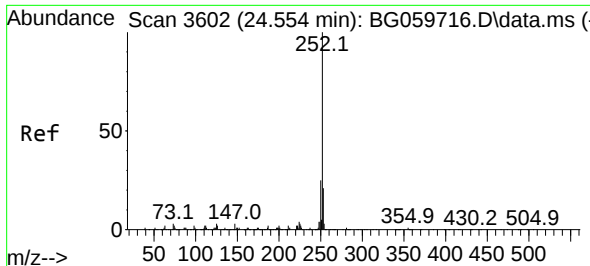
Lab File: BG059796.D

Acq: 21 Nov 2023 17:32

Tgt Ion:252 Resp: 73406

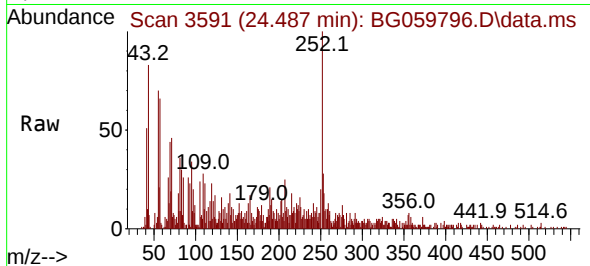
Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.3	27.5
125	4.9	1.4	2.0





#89
Benzo(k)fluoranthene
Concen: 13.899 ng
RT: 24.487 min Scan# 31
Delta R.T. -0.067 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

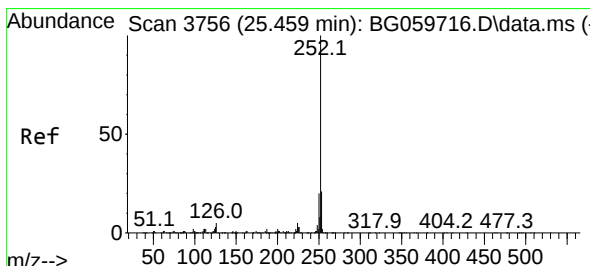
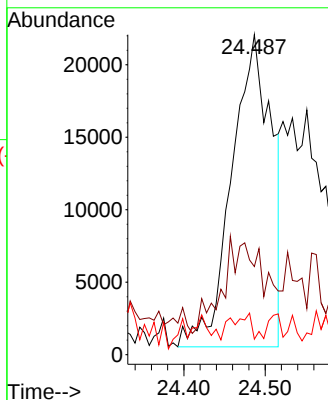
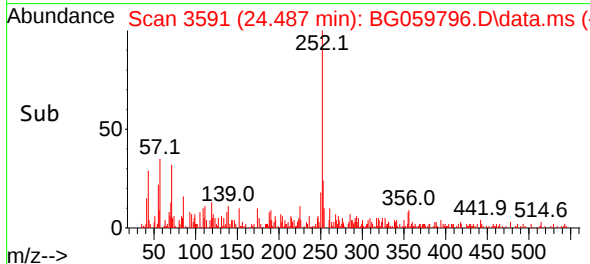
Instrument :
BNA_G
ClientSampleId :
SOIL-DRUM-COMP



Tgt Ion:252 Resp: 73400
Ion Ratio Lower Upper
252 100
253 27.6 17.1 25.7
125 4.9 2.2 3.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#90
Benzo(a)pyrene
Concen: 7.886 ng
RT: 25.474 min Scan# 3759
Delta R.T. 0.015 min
Lab File: BG059796.D
Acq: 21 Nov 2023 17:32

Tgt Ion:252 Resp: 44960
Ion Ratio Lower Upper
252 100
253 30.0 16.8 25.2#
125 9.4 2.0 3.0#

