

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059908.D
 Acq On : 27 Nov 2023 19:52
 Operator : MA/JU
 Sample : 05466-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21144

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 23:14:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	35472	20.000	ng	0.00
21) Naphthalene-d8	11.155	136	160457	20.000	ng	# 0.00
39) Acenaphthene-d10	14.939	164	105825	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	201218	20.000	ng	# 0.00
76) Chrysene-d12	22.031	240	158503	20.000	ng	# 0.01
86) Perylene-d12	25.597	264	181476	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	317670	150.734	ng	0.00
7) Phenol-d6	7.436	99	468666	150.064	ng	0.00
23) Nitrobenzene-d5	9.510	82	423444	100.788	ng	0.00
42) 2,4,6-Tribromophenol	16.431	330	196487	163.642	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	867523	110.345	ng	0.00
79) Terphenyl-d14	20.274	244	1149443	107.056	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.675	152	20116	2.067	ng	# 95
52) Acenaphthene	15.004	154	31464	5.376	ng	# 87
58) Fluorene	15.979	166	26385	3.291	ng	# 91
71) Phenanthrene	17.736	178	458831	44.850	ng	94
72) Anthracene	17.824	178	145818m	13.718	ng	
73) Carbazole	18.106	167	40098	4.318	ng	# 90
75) Fluoranthene	19.763	202	8220994	670.082	ng	65
78) Pyrene	20.121	202	6699956	621.261	ng	# 73
81) Benzo(a)anthracene	22.007	228	1252052	115.448	ng	96
83) Chrysene	22.084	228	1847335	185.816	ng	94
84) Bis(2-ethylhexyl)phtha...	21.813	149	25813	4.176	ng	# 94
87) Indeno(1,2,3-cd)pyrene	29.722	276	194883	14.192	ng	# 73
88) Benzo(b)fluoranthene	24.446	252	1009290	101.471	ng	95
89) Benzo(k)fluoranthene	24.510	252	394649m	40.133	ng	
90) Benzo(a)pyrene	25.415	252	428557	40.371	ng	99
91) Dibenzo(a,h)anthracene	29.769	278	64570m	5.558	ng	
92) Benzo(g,h,i)perylene	31.044	276	154074m	13.977	ng	

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

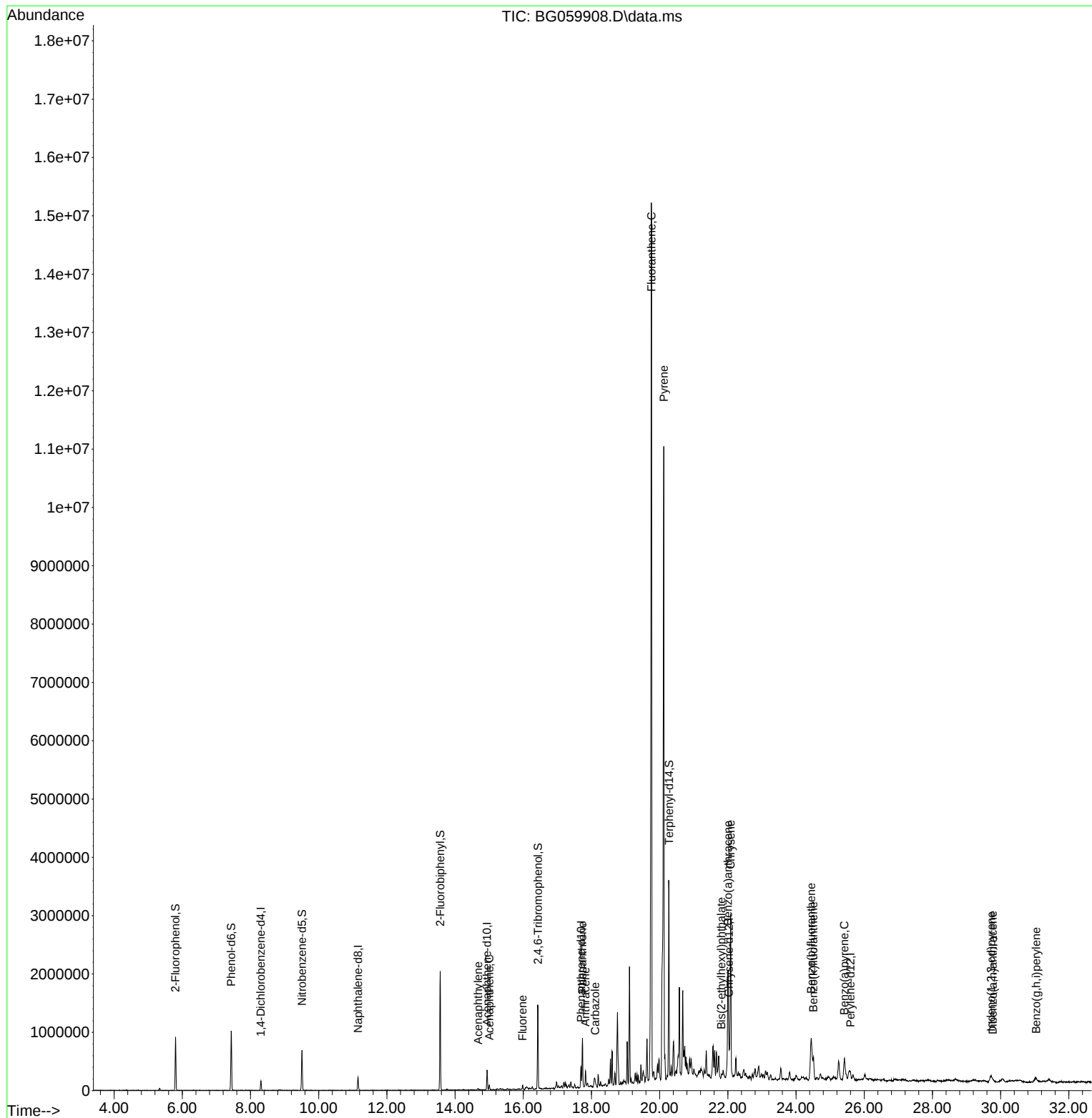
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
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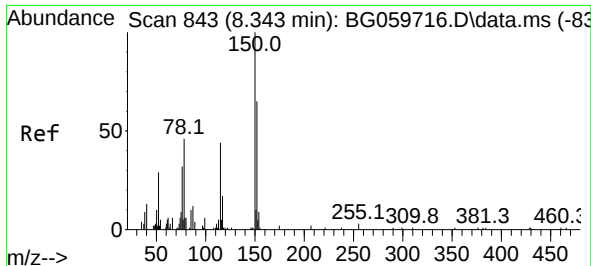
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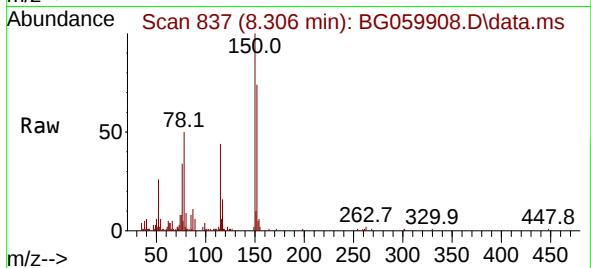
Quant Time: Nov 27 23:14:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 13:17:45 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

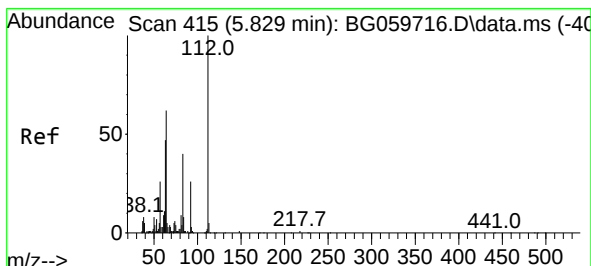
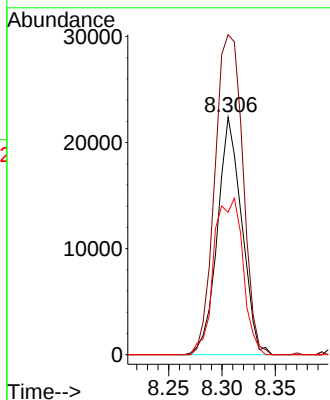
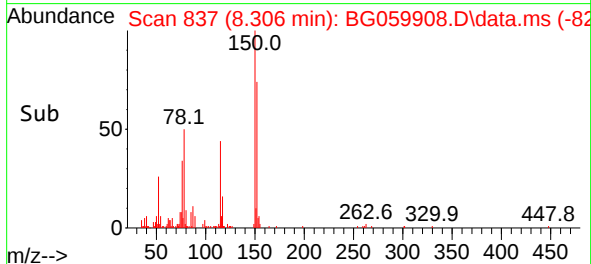
Instrument :
BNA_G
ClientSampleId :
RB21144



Tgt Ion:152 Resp: 35472
Ion Ratio Lower Upper
152 100
150 134.7 122.2 183.4
115 59.9 54.2 81.4

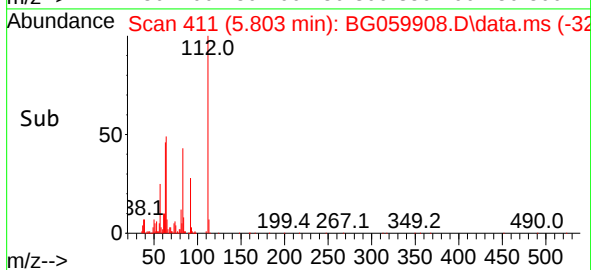
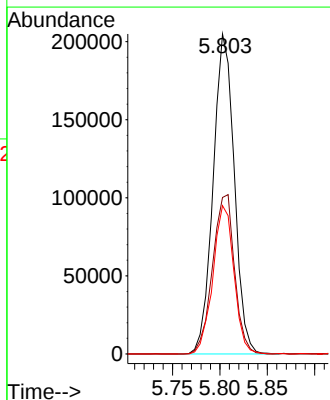
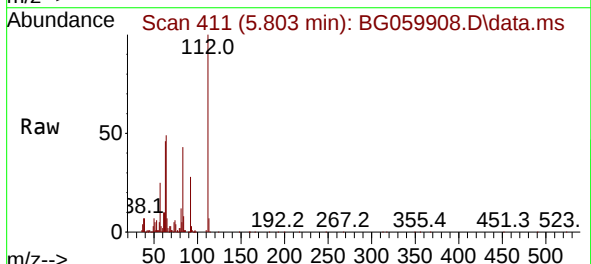
Manual Integrations
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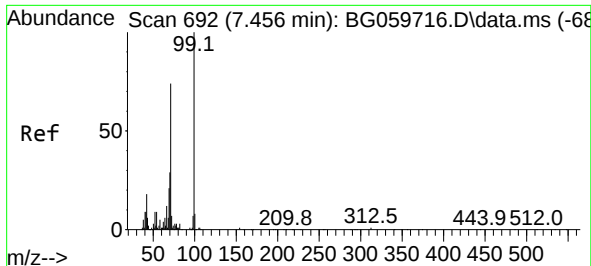
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 150.734 ng
RT: 5.803 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

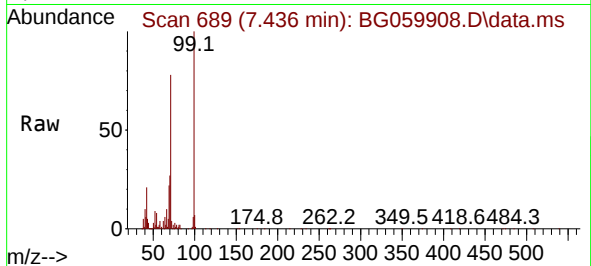
Tgt Ion:112 Resp: 317670
Ion Ratio Lower Upper
112 100
64 48.9 49.5 74.3#
63 46.4 37.4 56.2





#7
Phenol-d6
Concen: 150.064 ng
RT: 7.436 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

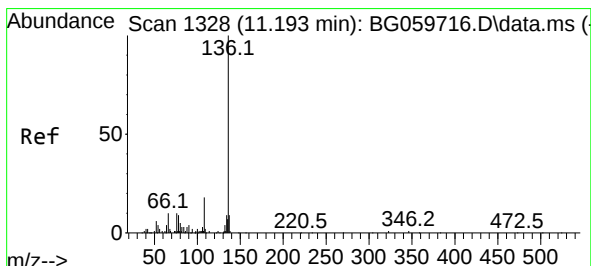
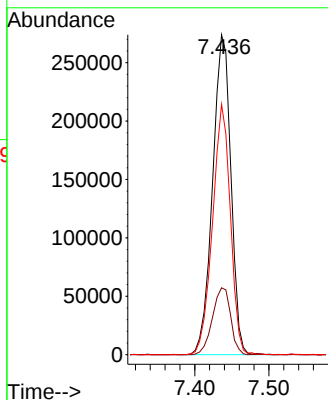
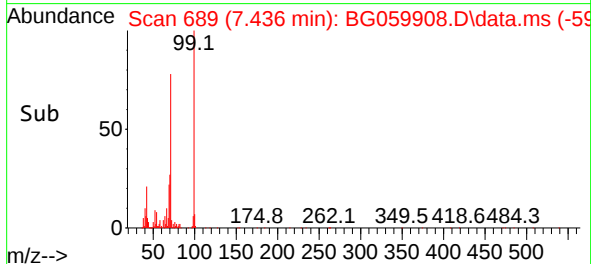
Instrument :
BNA_G
ClientSampleId :
RB21144



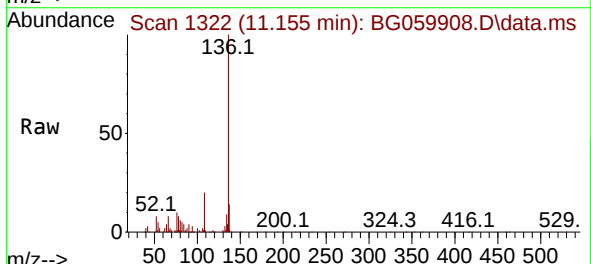
Tgt Ion: 99 Resp: 46866
Ion Ratio Lower Upper
99 100
42 20.9 14.3 21.5
71 78.3 59.3 88.9

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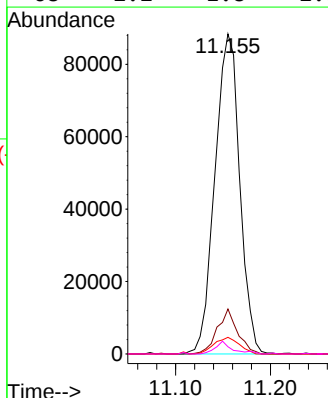
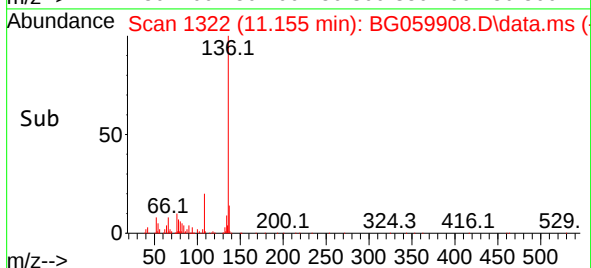
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

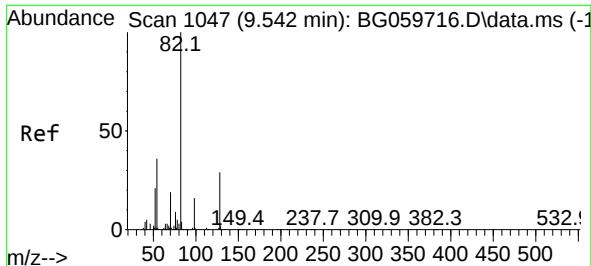


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.155 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52



Tgt Ion:136 Resp: 160457
Ion Ratio Lower Upper
136 100
137 14.1 7.4 11.0#
54 5.2 3.1 4.7#
68 2.2 1.8 2.8





#23

Nitrobenzene-d5

Concen: 100.788 ng

RT: 9.510 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

Tgt Ion: 82 Resp: 42344

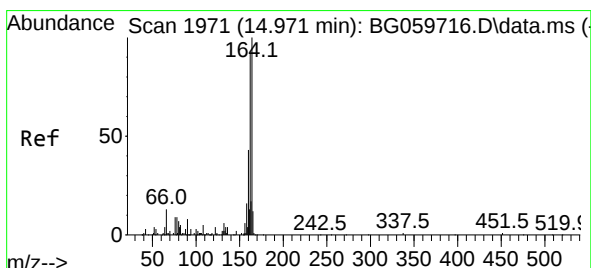
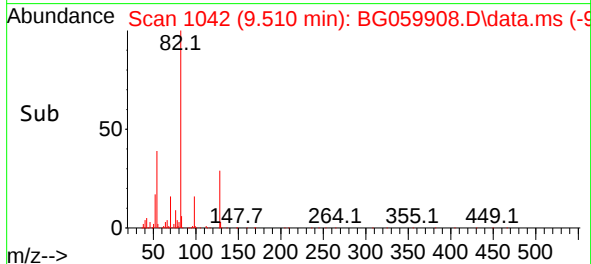
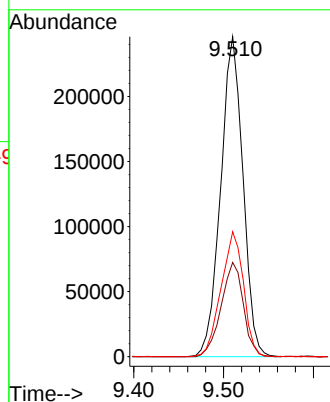
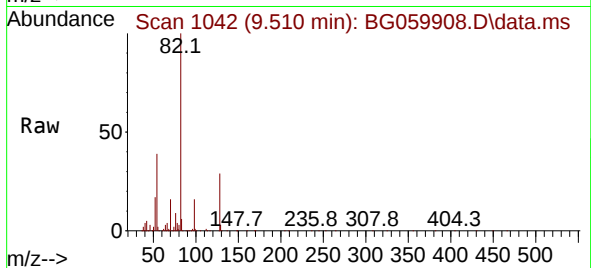
Ion	Ratio	Lower	Upper
82	100		
128	29.4	23.0	34.6
54	39.1	28.7	43.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.939 min Scan# 1966

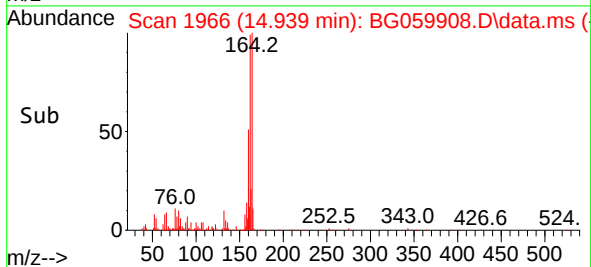
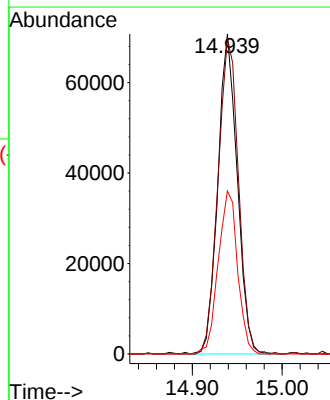
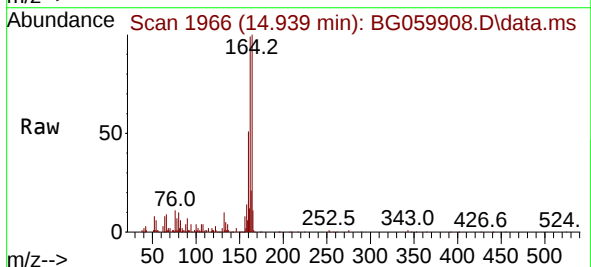
Delta R.T. -0.005 min

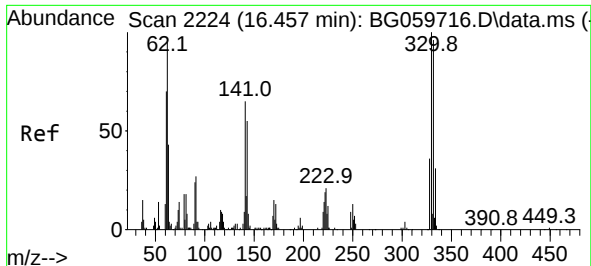
Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Tgt Ion:164 Resp: 105825

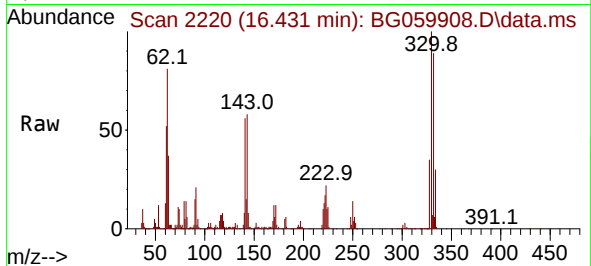
Ion	Ratio	Lower	Upper
164	100		
162	98.6	73.3	109.9
160	50.9	34.1	51.1





#42
2,4,6-Tribromophenol
Concen: 163.642 ng
RT: 16.431 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

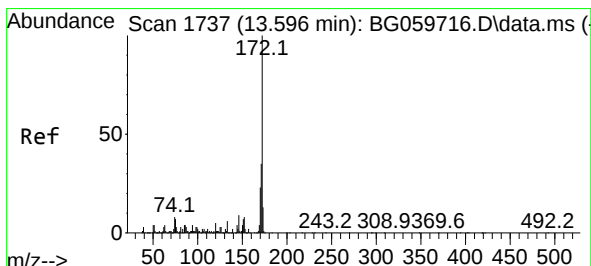
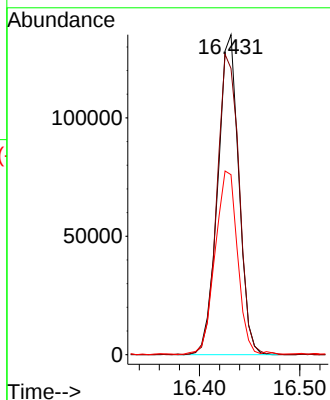
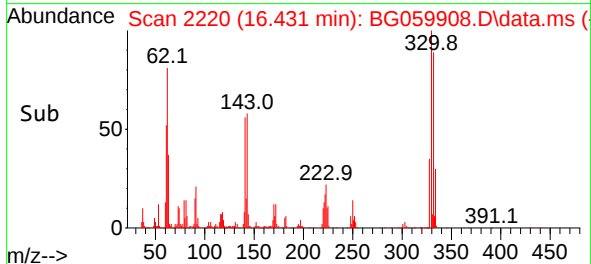
Instrument :
BNA_G
ClientSampleId :
RB21144



Tgt Ion:330 Resp: 19648
Ion Ratio Lower Upper
330 100
332 98.7 73.3 109.9
141 61.6 52.1 78.1

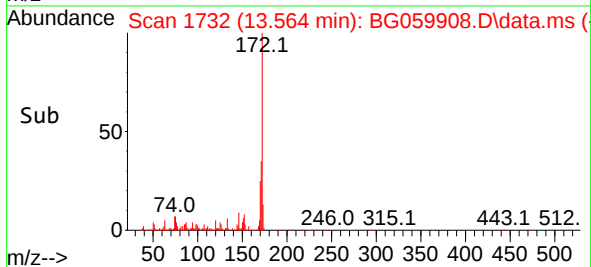
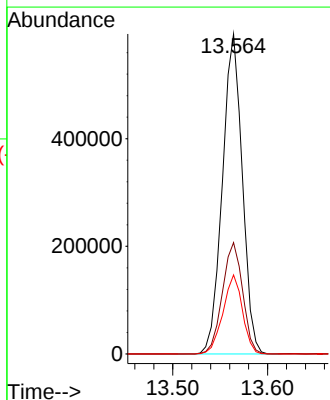
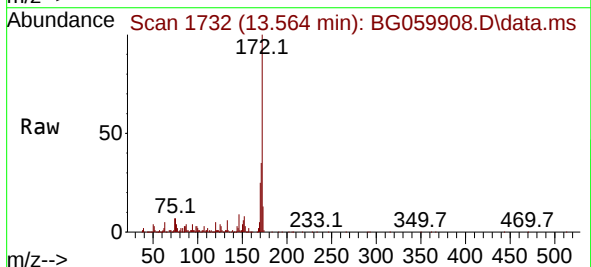
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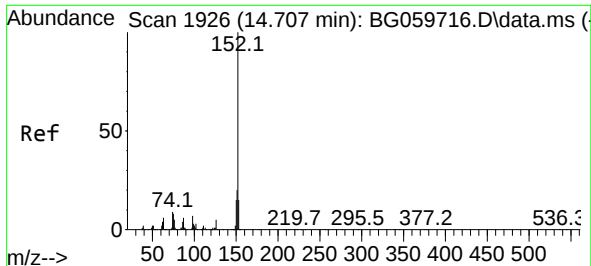
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#45
2-Fluorobiphenyl
Concen: 110.345 ng
RT: 13.564 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:172 Resp: 867523
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 24.7 18.4 27.6





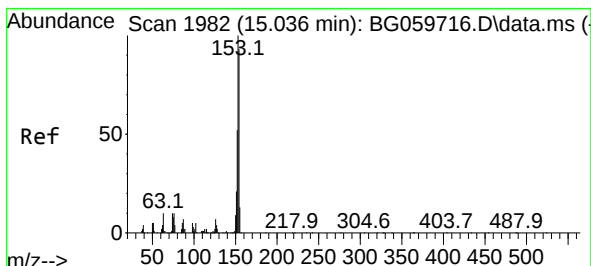
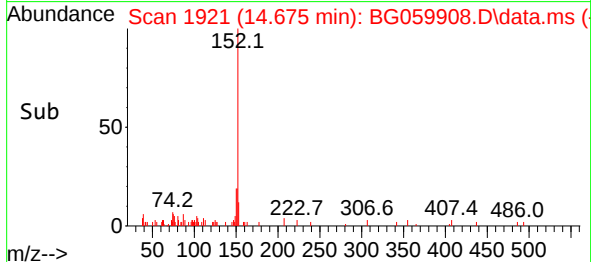
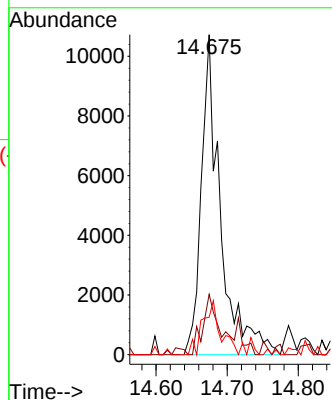
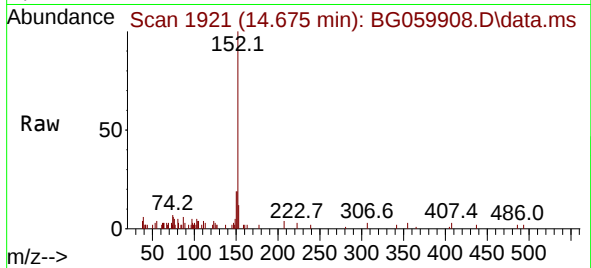
#49
Acenaphthylene
Concen: 2.067 ng
RT: 14.675 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Instrument :
BNA_G
ClientSampleId :
RB21144

Tgt Ion:152 Resp: 20110
Ion Ratio Lower Upper
152 100
151 18.9 15.8 23.8
153 11.7 12.2 18.4

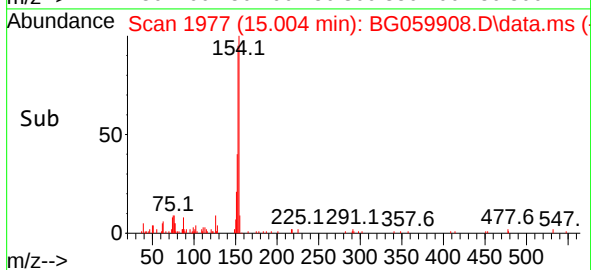
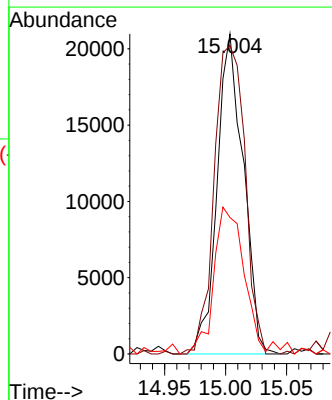
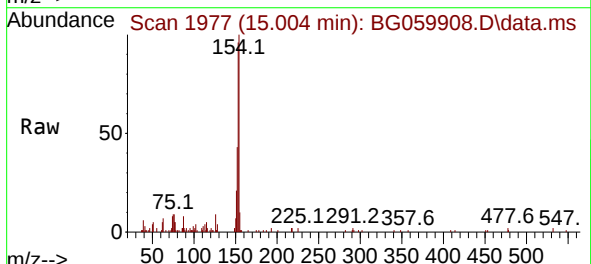
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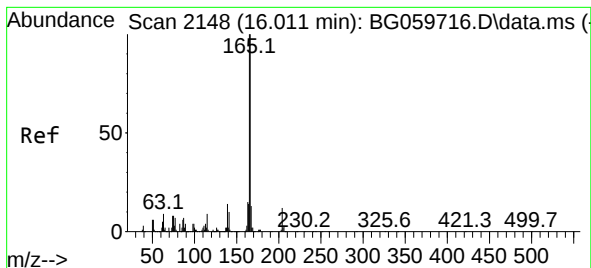
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#52
Acenaphthene
Concen: 5.376 ng
RT: 15.004 min Scan# 1977
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:154 Resp: 31464
Ion Ratio Lower Upper
154 100
153 96.4 85.8 128.8
152 42.7 44.4 66.6





#58

Fluorene

Concen: 3.291 ng

RT: 15.979 min Scan# 2148

Delta R.T. -0.011 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

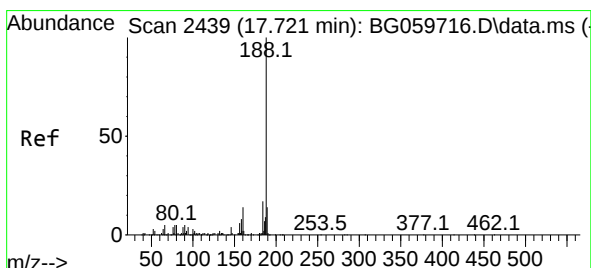
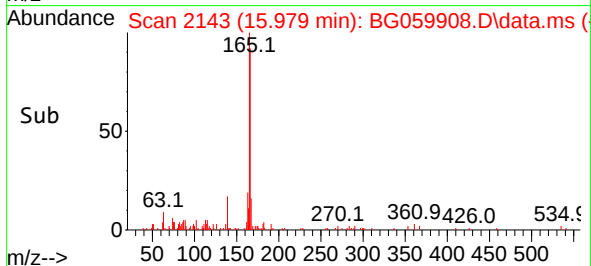
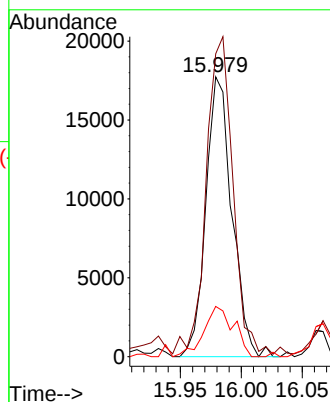
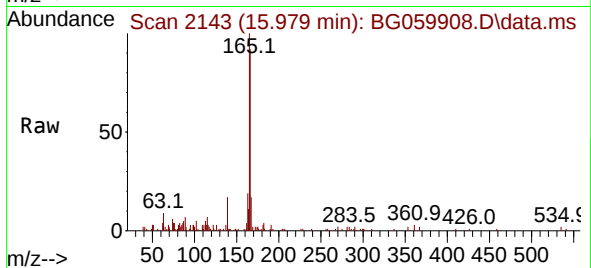
Tgt Ion:	166	Resp:	2638
Ion Ratio	Lower	Upper	
166	100		
165	108.2	79.9	119.9
167	18.0	10.1	15.1

Manual Integrations

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Supervised By :mohammad ahmed 11/28/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

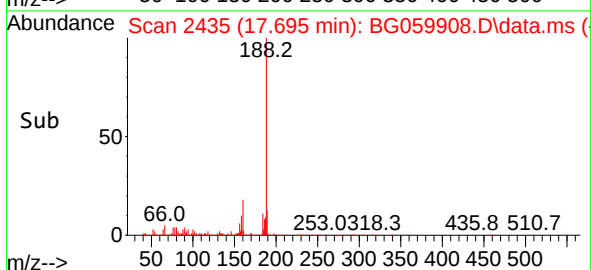
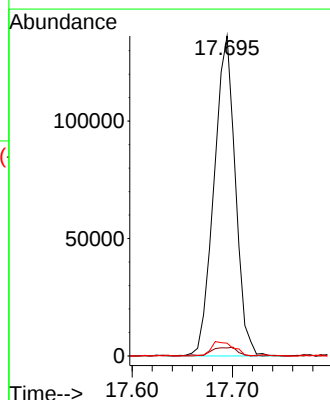
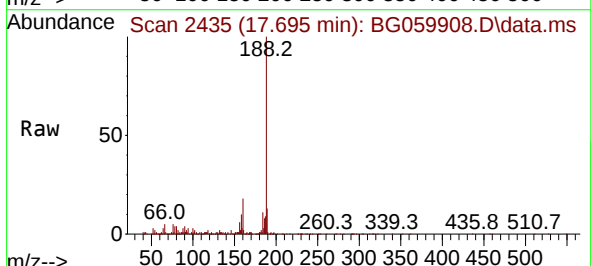
RT: 17.695 min Scan# 2435

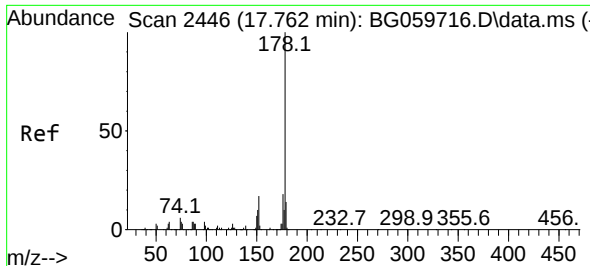
Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

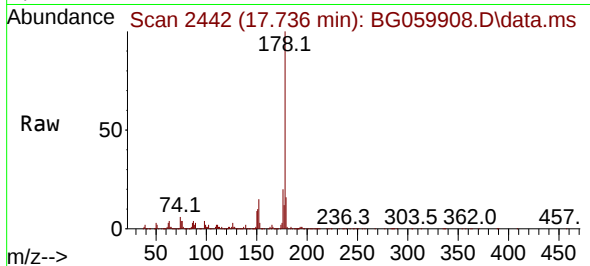
Tgt Ion:	188	Resp:	201218
Ion Ratio	Lower	Upper	
188	100		
94	2.5	3.0	4.4#
80	4.0	4.2	6.4#





#71
Phenanthrene
Concen: 44.850 ng
RT: 17.736 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

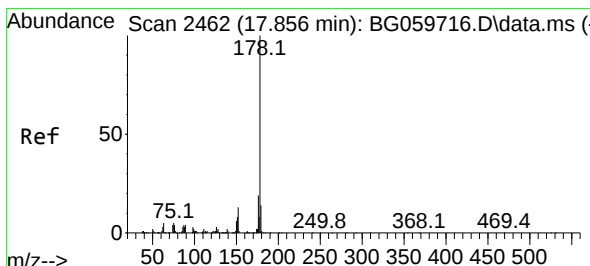
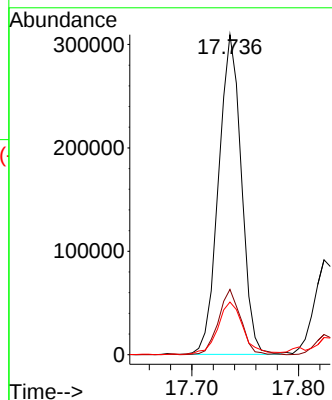
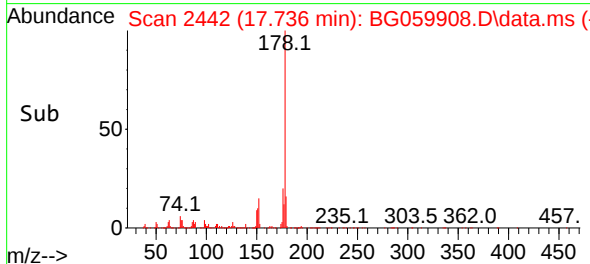
Instrument :
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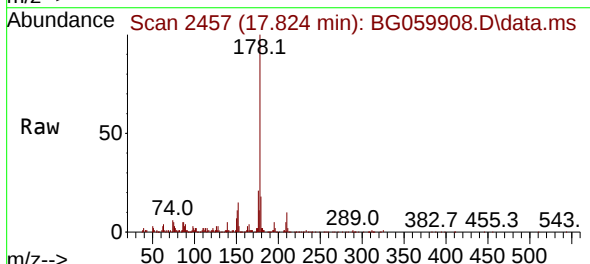
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Ion Ratio Lower Upper
178 100
176 20.4 14.5 21.7
179 16.5 11.2 16.8

Manual Integrations
APPROVED

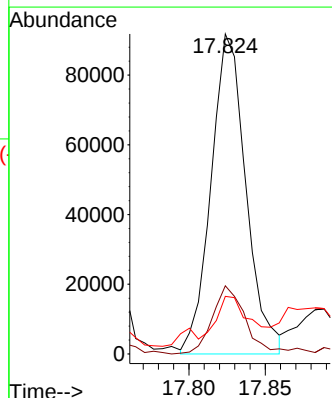
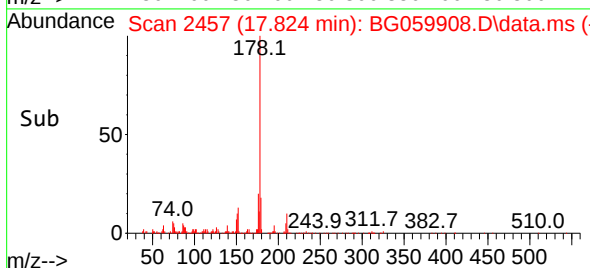
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

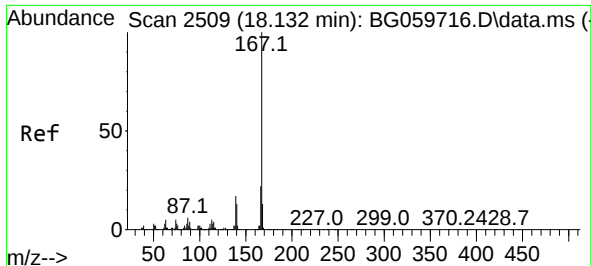


#72
Anthracene
Concen: 13.718 ng m
RT: 17.824 min Scan# 2457
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52



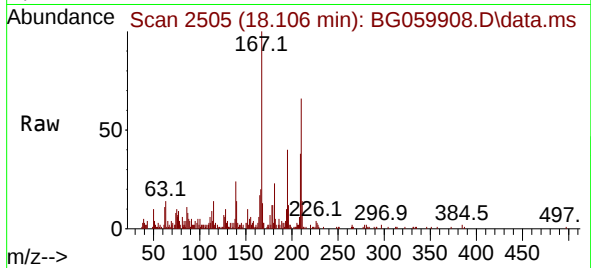
Tgt Ion:178 Resp: 145818
Ion Ratio Lower Upper
178 100
176 21.3 15.0 22.4
179 18.0 11.5 17.3#





#73
 Carbazole
 Concen: 4.318 ng
 RT: 18.106 min Scan# 2505
 Delta R.T. 0.000 min
 Lab File: BG059908.D
 Acq: 27 Nov 2023 19:52

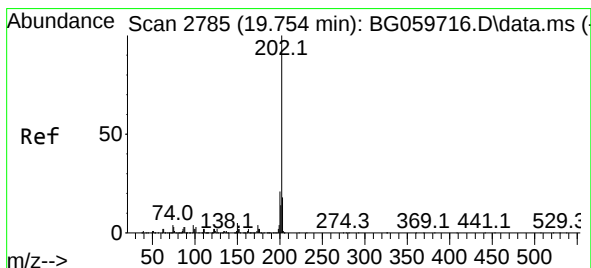
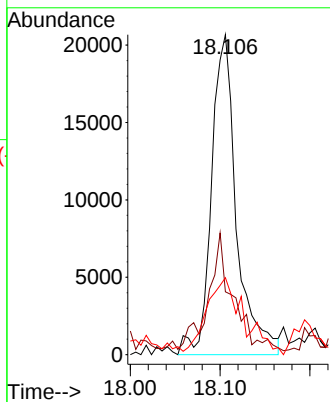
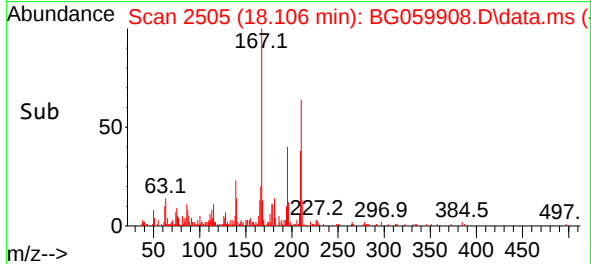
Instrument :
 BNA_G
 ClientSampleId :
 RB21144



Tgt Ion:167 Resp: 40098
 Ion Ratio Lower Upper
 167 100
 166 19.6 17.4 26.0
 139 24.1 13.2 19.8

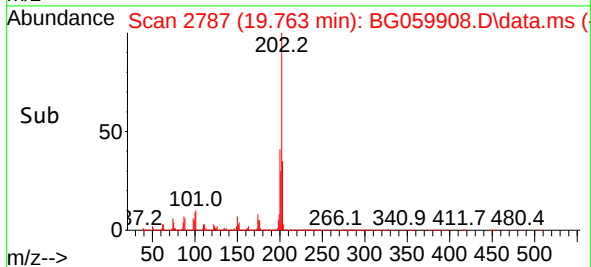
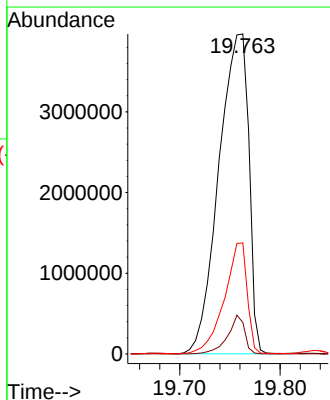
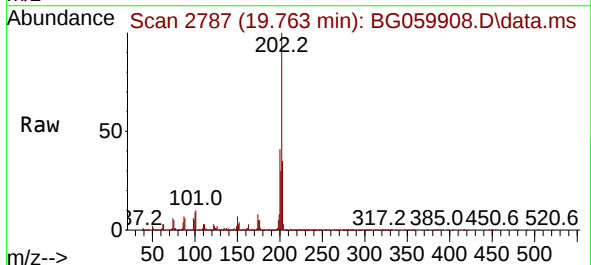
Manual Integrations
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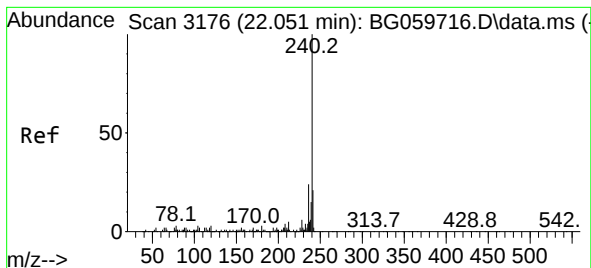
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



#75
 Fluoranthene
 Concen: 670.082 ng
 RT: 19.763 min Scan# 2787
 Delta R.T. 0.036 min
 Lab File: BG059908.D
 Acq: 27 Nov 2023 19:52

Tgt Ion:202 Resp: 8220994
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 22.7
 203 34.7 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.031 min Scan# 3176

Delta R.T. 0.012 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

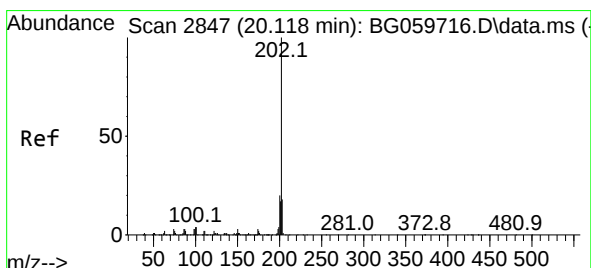
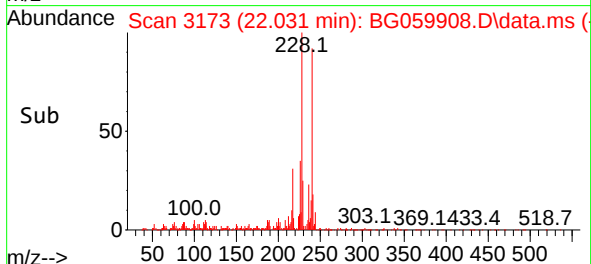
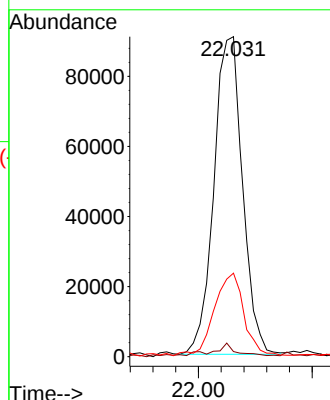
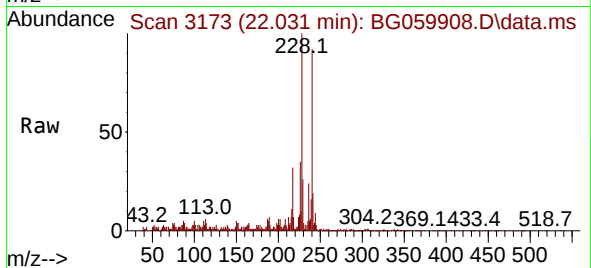
Tgt Ion:240 Resp: 158500
 Ion Ratio Lower Upper
 240 100
 120 1.6 2.2 3.2
 236 26.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#78

Pyrene

Concen: 621.261 ng

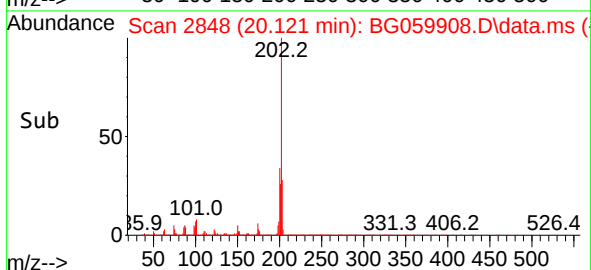
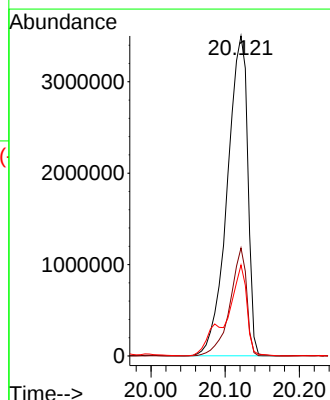
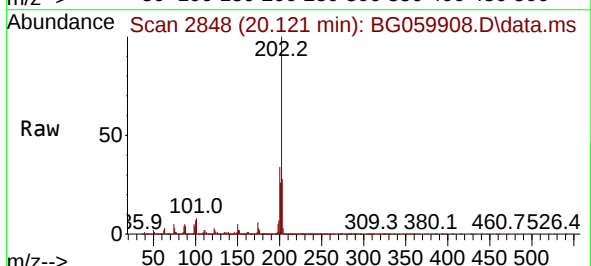
RT: 20.121 min Scan# 2848

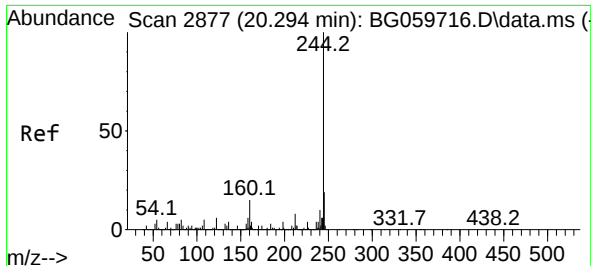
Delta R.T. 0.024 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Tgt Ion:202 Resp: 6699956
 Ion Ratio Lower Upper
 202 100
 200 33.8 16.2 24.4#
 203 28.4 14.0 21.0#





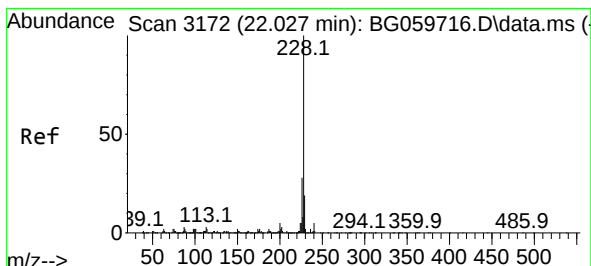
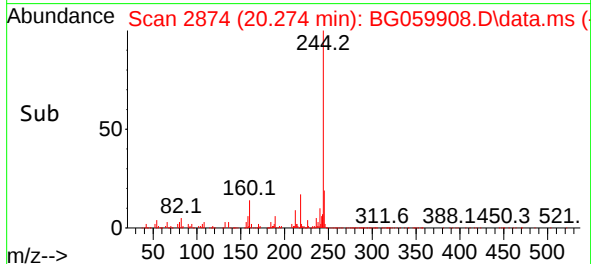
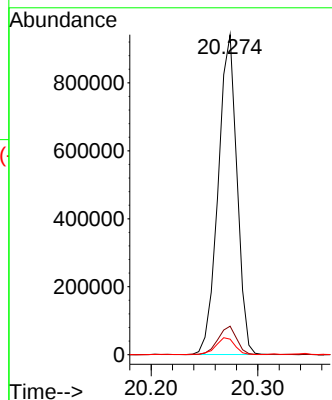
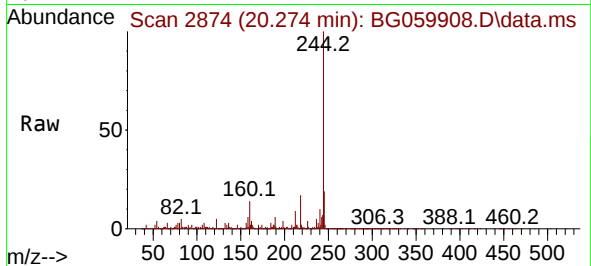
#79
 Terphenyl-d14
 Concen: 107.056 ng
 RT: 20.274 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG059908.D
 Acq: 27 Nov 2023 19:52

Instrument :
 BNA_G
 ClientSampleId :
 RB21144

Tgt Ion:244 Resp: 114944
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 10.0
 122 4.9 4.4 6.6

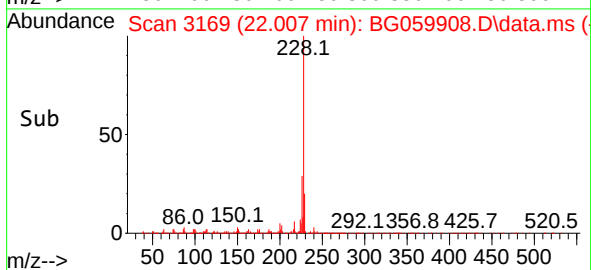
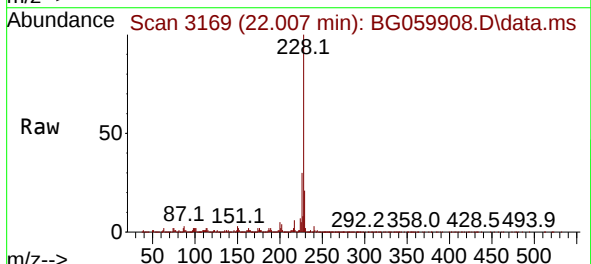
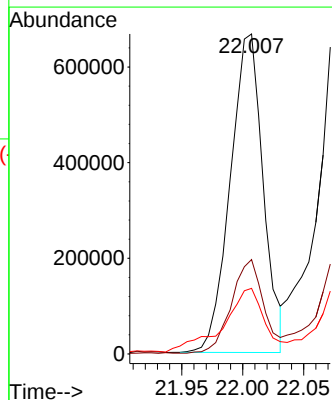
Manual Integrations
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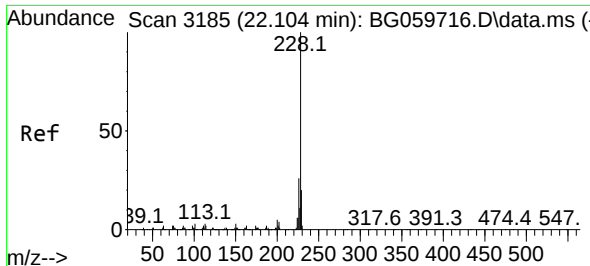
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



#81
 Benzo(a)anthracene
 Concen: 115.448 ng
 RT: 22.007 min Scan# 3169
 Delta R.T. 0.012 min
 Lab File: BG059908.D
 Acq: 27 Nov 2023 19:52

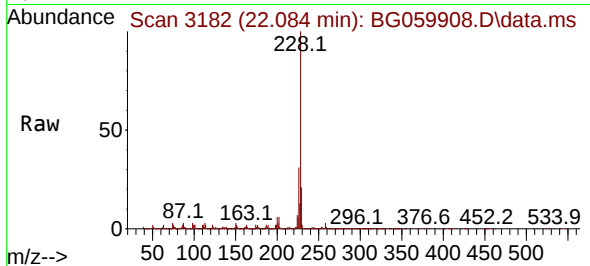
Tgt Ion:228 Resp: 1252052
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.1 33.1
 229 20.5 14.9 22.3





#83
Chrysene
Concen: 185.816 ng
RT: 22.084 min Scan# 3185
Delta R.T. 0.018 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

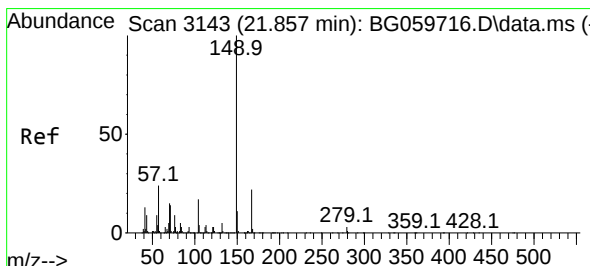
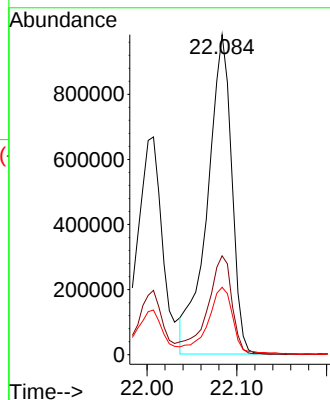
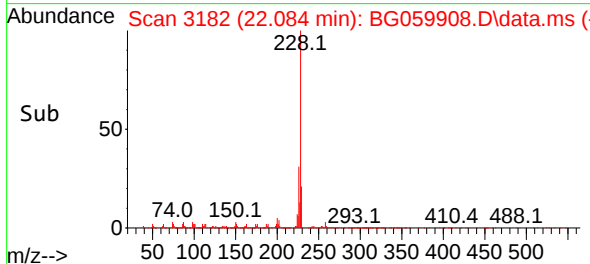
Instrument :
BNA_G
ClientSampleId :
RB21144



Tgt Ion:228 Resp: 184733
Ion Ratio Lower Upper
228 100
226 30.9 21.1 31.7
229 21.0 16.2 24.4

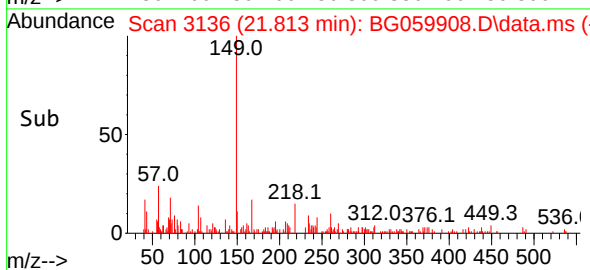
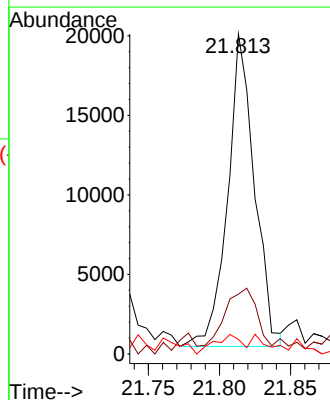
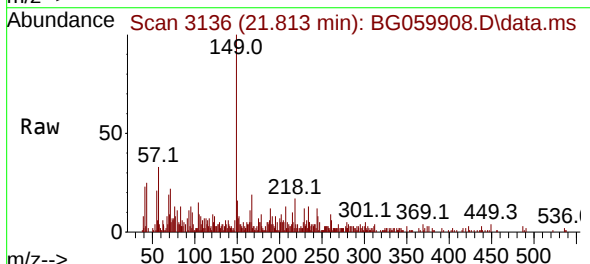
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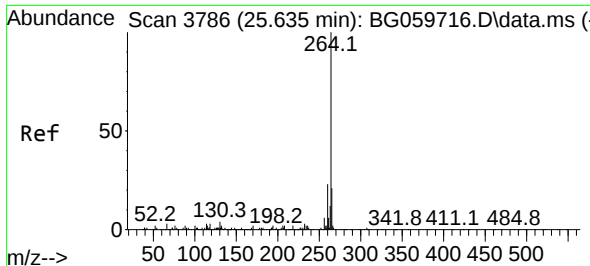
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.176 ng
RT: 21.813 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

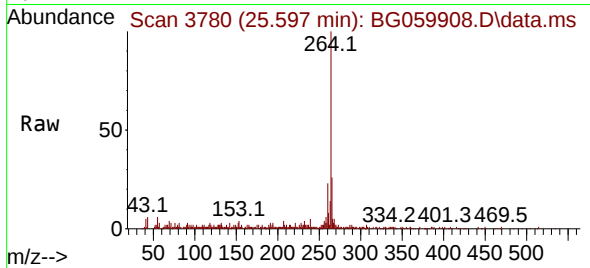
Tgt Ion:149 Resp: 25813
Ion Ratio Lower Upper
149 100
167 18.7 17.6 26.4
279 4.6 2.7 4.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.597 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

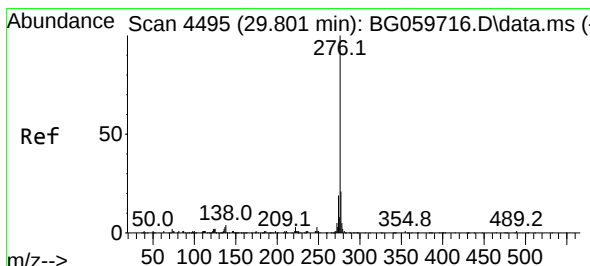
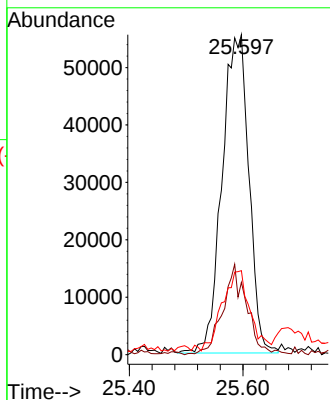
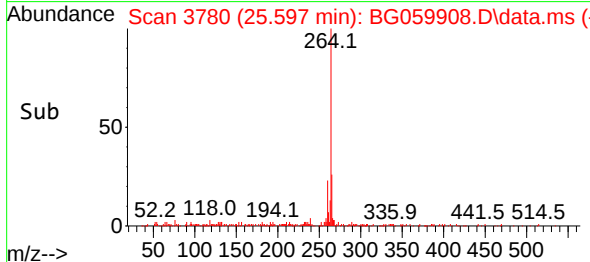
Instrument :
BNA_G
ClientSampleId :
RB21144



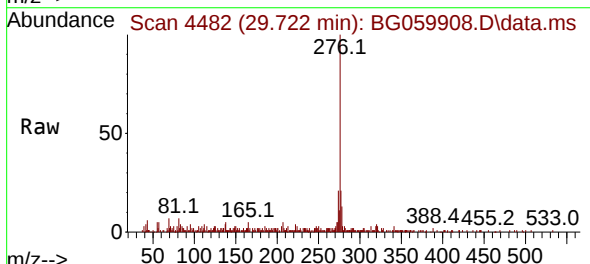
Tgt Ion:264 Resp: 181470
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 26.3 17.0 25.6

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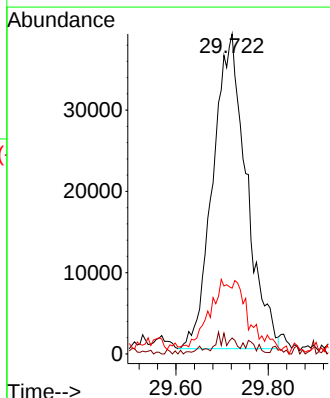
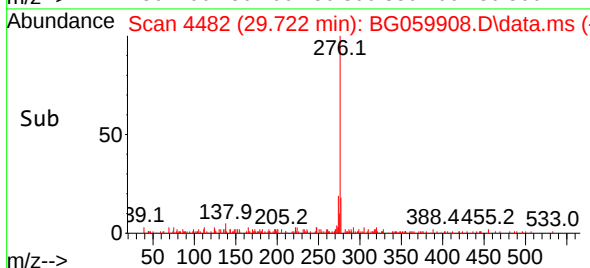
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

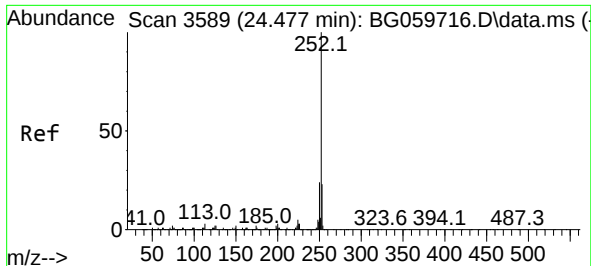


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.192 ng
RT: 29.722 min Scan# 4482
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52



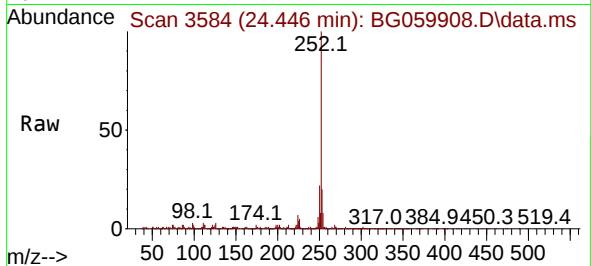
Tgt Ion:276 Resp: 194883
Ion Ratio Lower Upper
276 100
138 0.0 1.8 2.6#
277 0.0 9.8 14.6#





#88
Benzo(b)fluoranthene
Concen: 101.471 ng
RT: 24.446 min Scan# 31
Delta R.T. 0.024 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

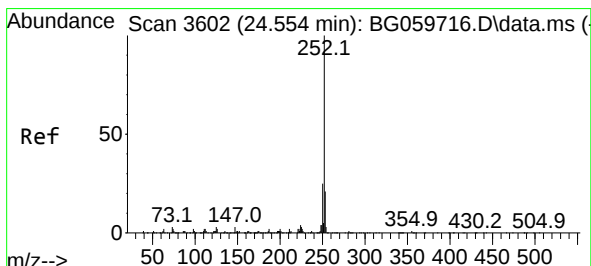
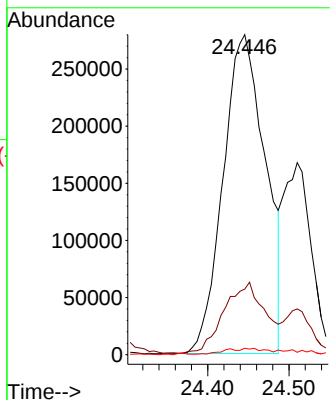
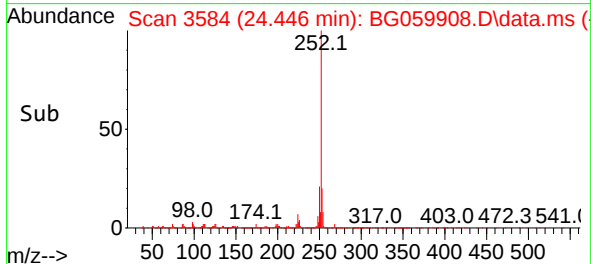
Instrument :
BNA_G
ClientSampleId :
RB21144



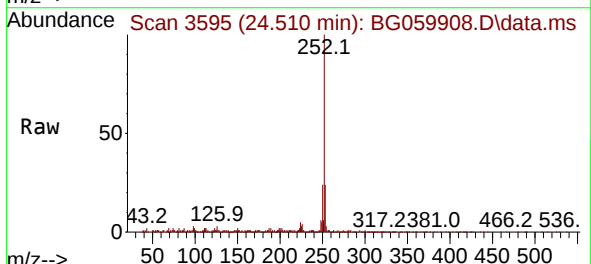
Tgt Ion:252 Resp: 1009290
Ion Ratio Lower Upper
252 100
253 20.5 18.3 27.5
125 2.0 1.4 2.0

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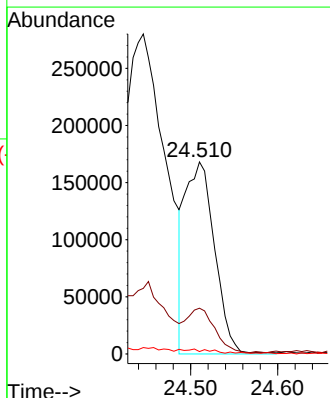
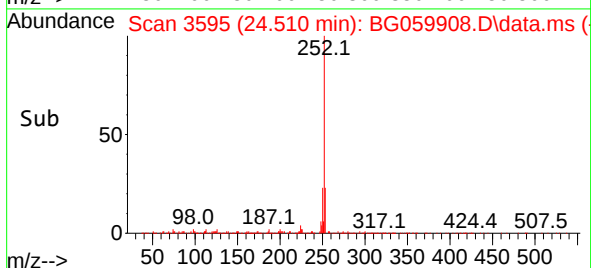
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

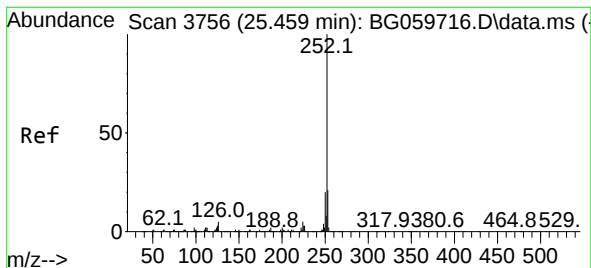


#89
Benzo(k)fluoranthene
Concen: 40.133 ng m
RT: 24.510 min Scan# 3595
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52



Tgt Ion:252 Resp: 394649
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 1.3 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 40.371 ng

RT: 25.415 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

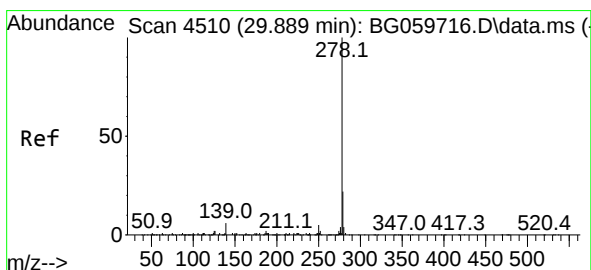
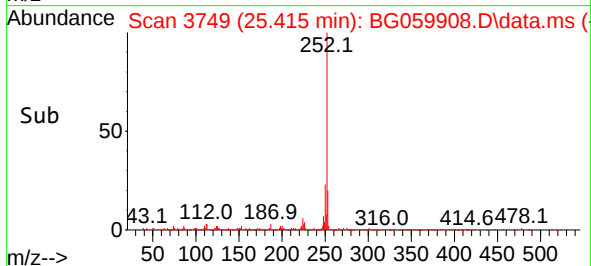
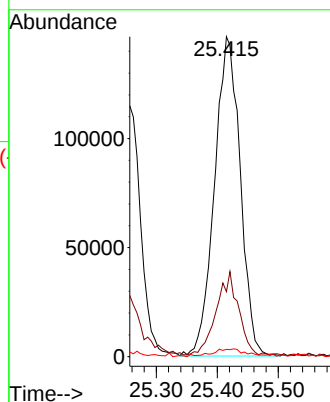
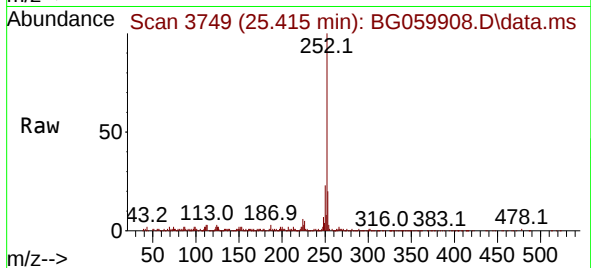
Tgt Ion:252 Resp: 42855
 Ion Ratio Lower Upper
 252 100
 253 20.3 16.8 25.2
 125 2.3 2.0 3.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.558 ng m

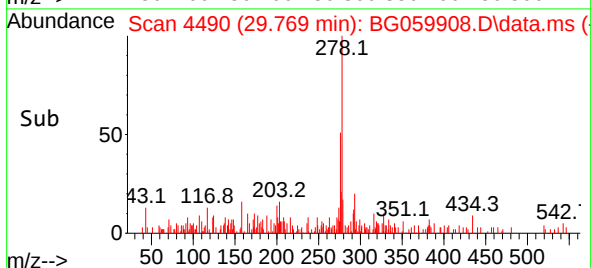
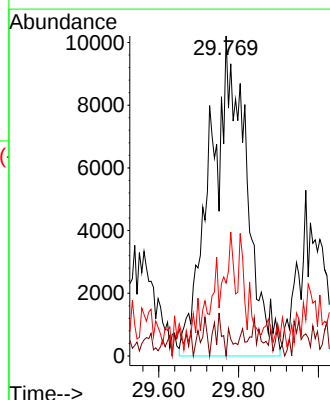
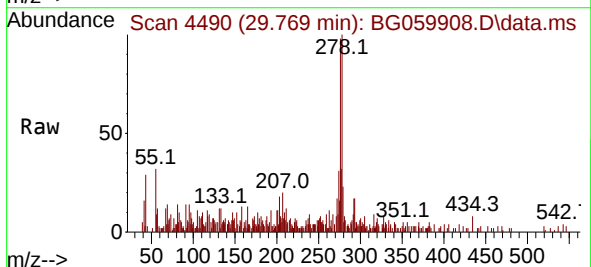
RT: 29.769 min Scan# 4490

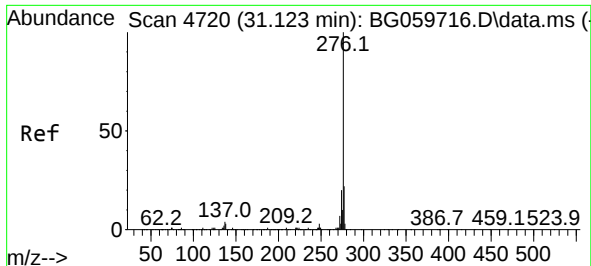
Delta R.T. -0.035 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

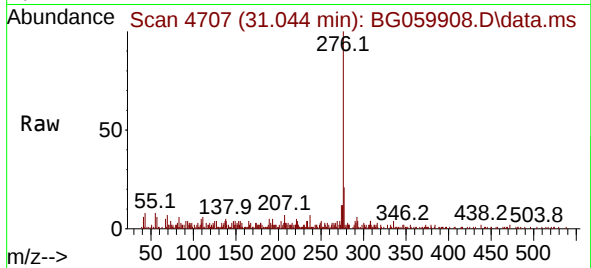
Tgt Ion:278 Resp: 64570
 Ion Ratio Lower Upper
 278 100
 139 0.0 4.6 7.0#
 279 22.8 17.4 26.0





#92
 Benzo(g,h,i)perylene
 Concen: 13.977 ng m
 RT: 31.044 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BG059908.D
 Acq: 27 Nov 2023 19:52

Instrument :
 BNA_G
 ClientSampleId :
 RB21144



Tgt Ion: 276 Resp: 154074
 Ion Ratio Lower Upper
 276 100
 277 20.7 17.3 25.9
 138 4.8 2.6 4.0

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

