

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061078.D
 Acq On : 1 May 2024 16:06
 Operator : MA/JU
 Sample : P2284-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/06/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 04 02:02:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	34130	20.000	ng	-0.01
21) Naphthalene-d8	10.764	136	130762	20.000	ng	# 0.00
39) Acenaphthene-d10	14.641	164	209146	20.000	ng	# 0.05
64) Phenanthrene-d10	17.409	188	215522	20.000	ng	# 0.08
76) Chrysene-d12	21.598	240	168397	20.000	ng	# 0.00
86) Perylene-d12	24.700	264	211600	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	105651	62.955	ng	-0.02
7) Phenol-d6	7.109	99	89701	36.132	ng	-0.02
23) Nitrobenzene-d5	9.107	82	270384	102.503	ng	-0.01
42) 2,4,6-Tribromophenol	16.157	330	206798	49.468	ng	0.08
45) 2-Fluorobiphenyl	13.231	172	615695	43.531	ng	0.02
79) Terphenyl-d14	19.988	244	944295	93.262	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	10.828	128	670679	98.688	ng	# 73
37) 2-Methylnaphthalene	12.479	142	4526545	888.843	ng	98
38) 1-Methylnaphthalene	12.691	142	3406947m	664.526	ng	
46) 1,1'-Biphenyl	13.449	154	342814	25.564	ng	70
52) Acenaphthene	14.730	154	644174	62.611	ng	# 37
58) Fluorene	15.717	166	1107364	73.639	ng	# 66
71) Phenanthrene	17.468	178	4269809	433.281	ng	# 86
72) Anthracene	17.550	178	132561	13.481	ng	# 52
78) Pyrene	19.812	202	1631482m	152.389	ng	
81) Benzo(a)anthracene	21.580	228	31907	2.896	ng	# 1
83) Chrysene	21.639	228	85414	8.273	ng	# 51
85) Di-n-octyl phthalate	22.667	149	39428	5.050	ng	# 70

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

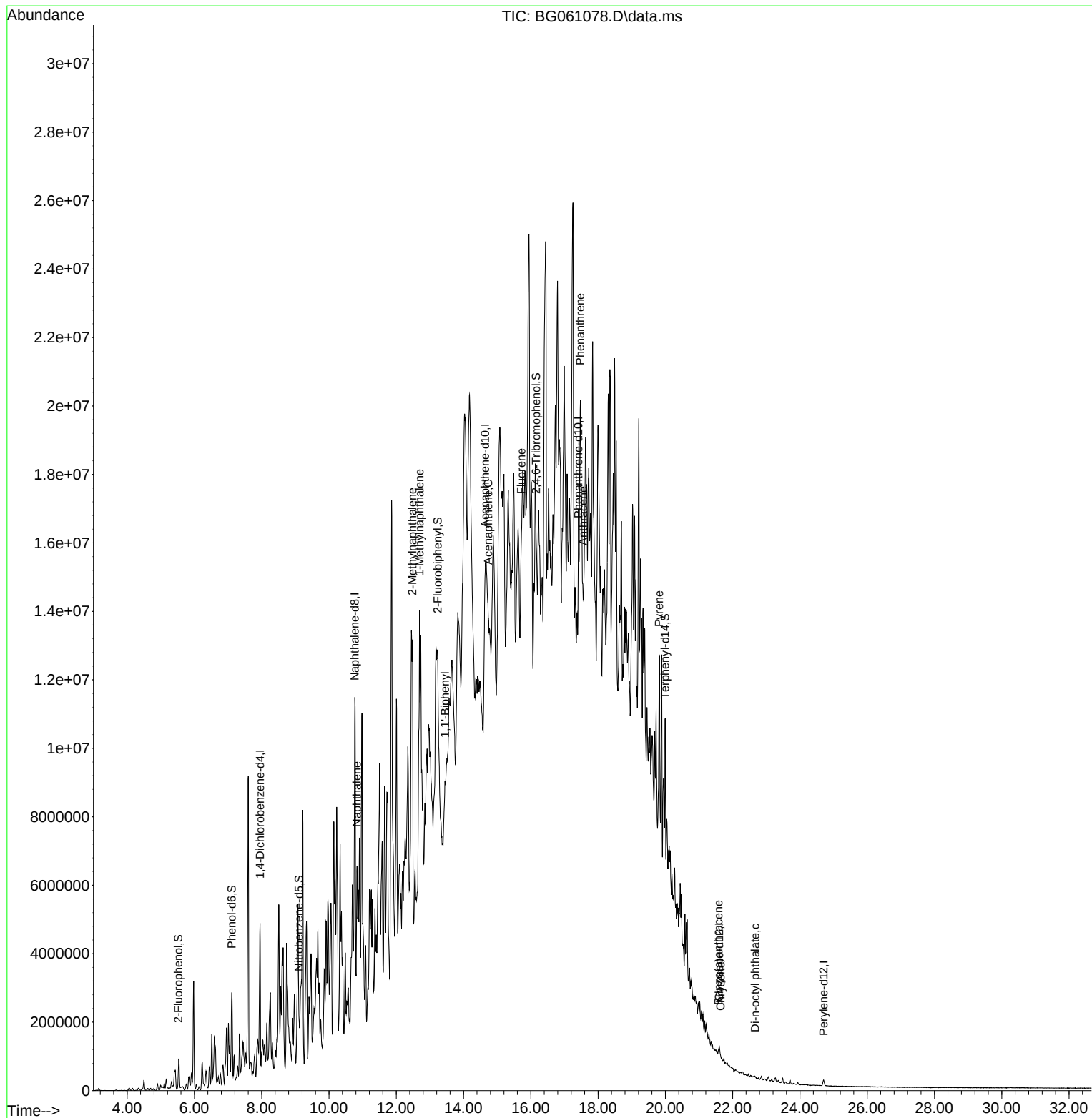
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061078.D
Acq On : 1 May 2024 16:06
Operator : MA/JU
Sample : P2284-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

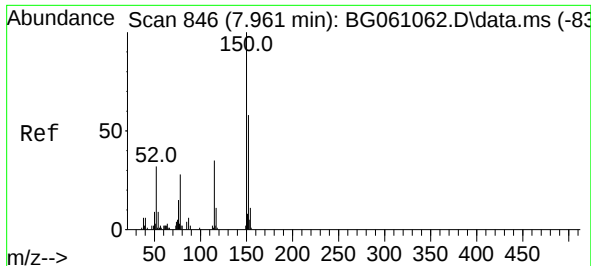
Instrument :
BNA_G
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MW-1

Quant Time: May 04 02:02:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

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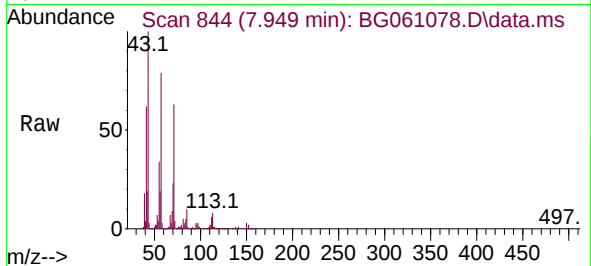
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 846
Delta R.T. -0.012 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

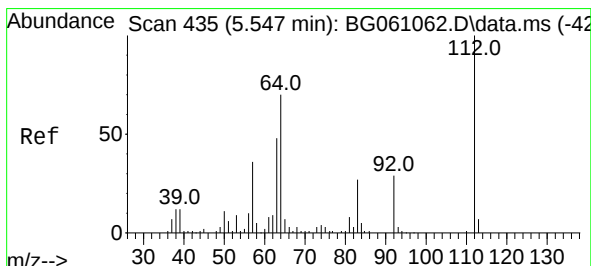
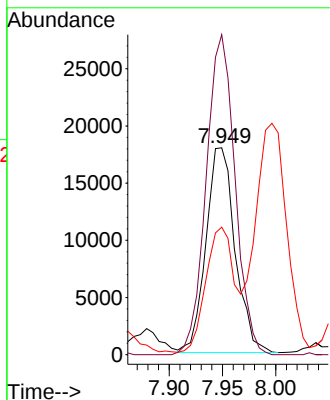
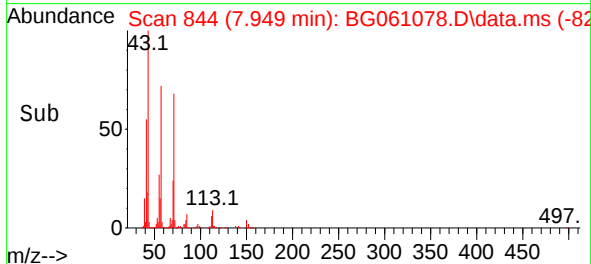
Instrument :
BNA_G
ClientSampleId :
MW-1



Tgt Ion:152 Resp: 34130
Ion Ratio Lower Upper
152 100
150 154.6 138.3 207.5
115 61.6 48.0 72.0

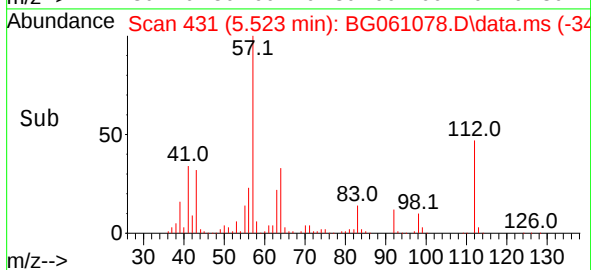
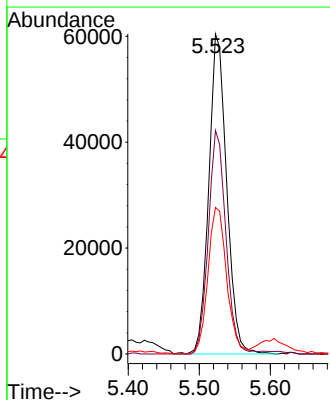
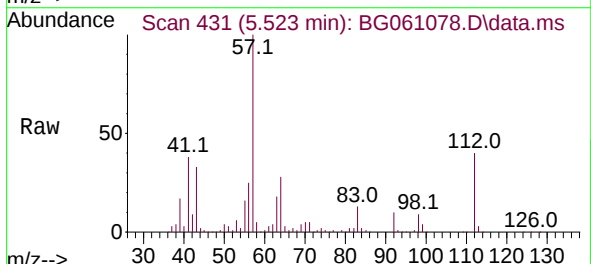
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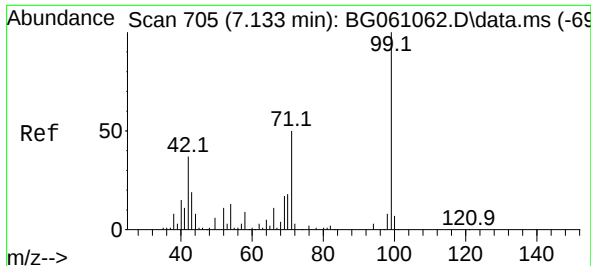
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 62.955 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

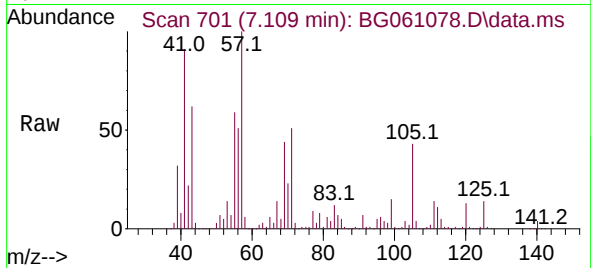
Tgt Ion:112 Resp: 105651
Ion Ratio Lower Upper
112 100
64 69.9 55.7 83.5
63 45.8 38.1 57.1





#7
Phenol-d6
Concen: 36.132 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

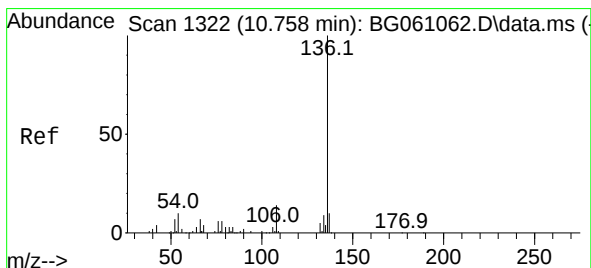
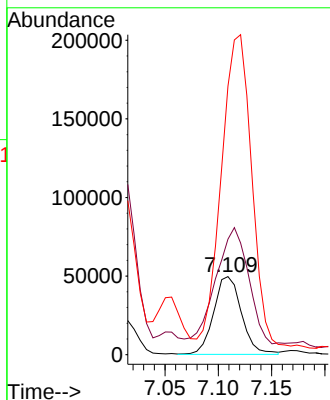
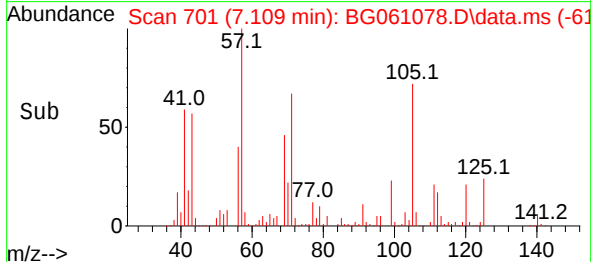
Instrument :
BNA_G
ClientSampleId :
MW-1



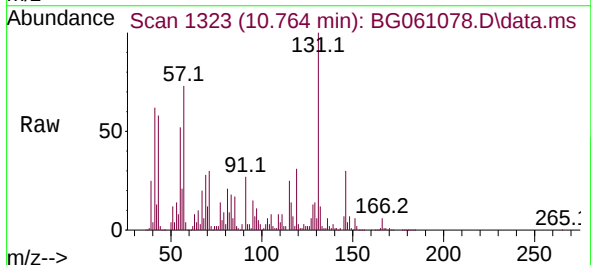
Tgt Ion: 99 Resp: 8970
Ion Ratio Lower Upper
99 100
42 147.9 29.2 43.8
71 343.9 39.7 59.5

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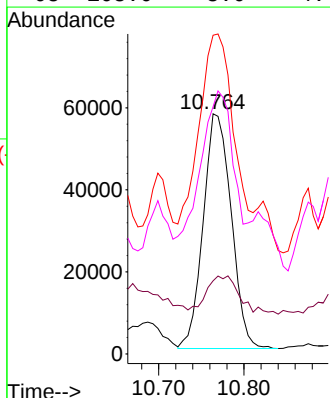
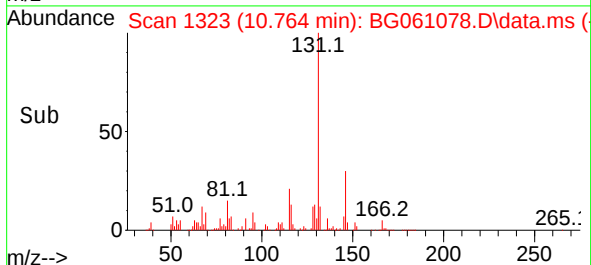
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024

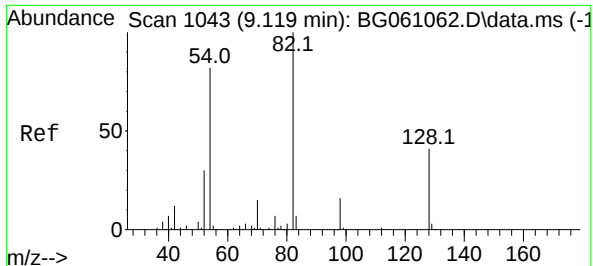


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06



Tgt Ion:136 Resp: 130762
Ion Ratio Lower Upper
136 100
137 30.5 7.8 11.6#
54 132.7 8.1 12.1#
68 103.0 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 102.503 ng

RT: 9.107 min Scan# 1041

Delta R.T. -0.012 min

Lab File: BG061078.D

Acq: 1 May 2024 16:06

Instrument :

BNA_G

ClientSampleId :

MW-1

Tgt Ion: 82 Resp: 270384

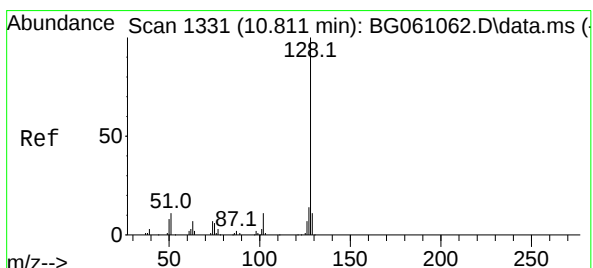
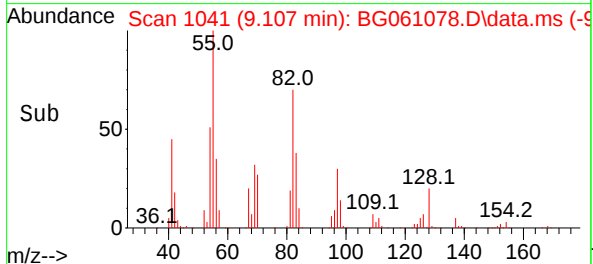
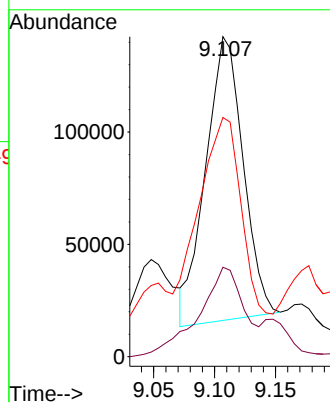
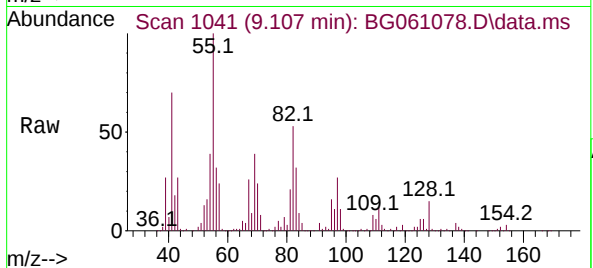
Ion	Ratio	Lower	Upper
82	100		
128	28.0	32.7	49.1#
54	74.7	65.6	98.4#

Manual Integrations

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#31

Naphthalene

Concen: 98.688 ng

RT: 10.828 min Scan# 1334

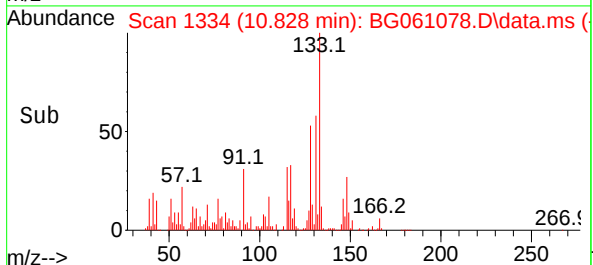
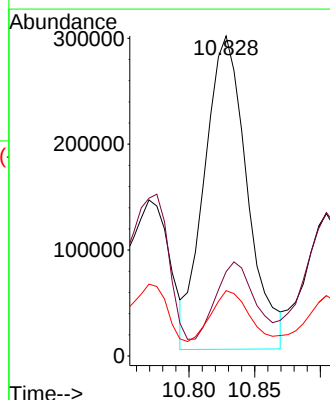
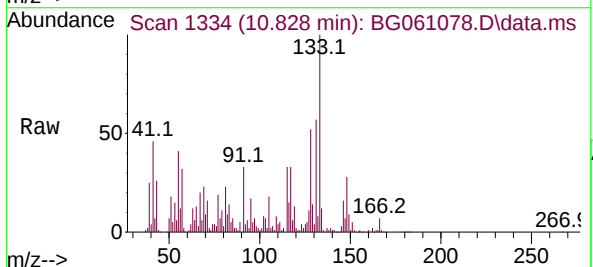
Delta R.T. 0.017 min

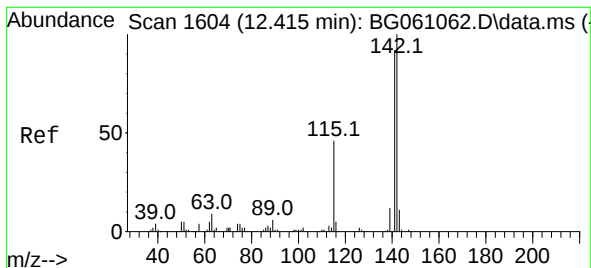
Lab File: BG061078.D

Acq: 1 May 2024 16:06

Tgt Ion:128 Resp: 670679

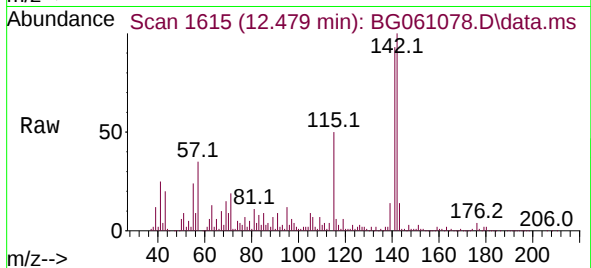
Ion	Ratio	Lower	Upper
128	100		
129	26.4	8.9	13.3#
127	20.4	11.1	16.7#





#37
2-Methylnaphthalene
Concen: 888.843 ng
RT: 12.479 min Scan# 1615
Delta R.T. 0.064 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

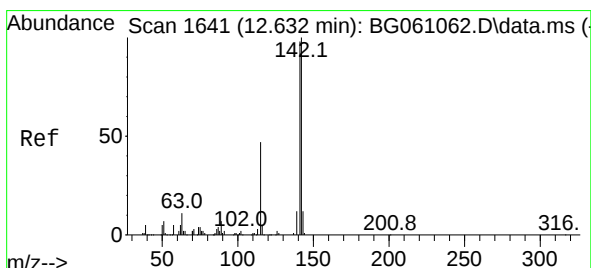
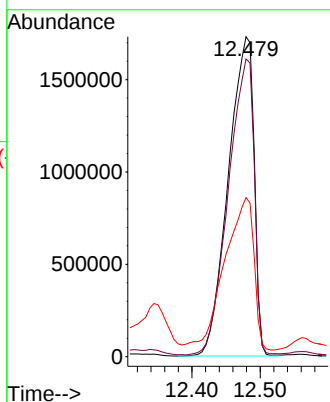
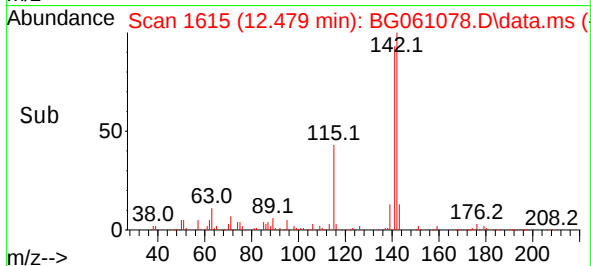
Instrument :
BNA_G
ClientSampleId :
MW-1



Tgt Ion:142 Resp: 452654
Ion Ratio Lower Upper
142 100
141 93.1 73.8 110.8
115 49.7 36.9 55.3

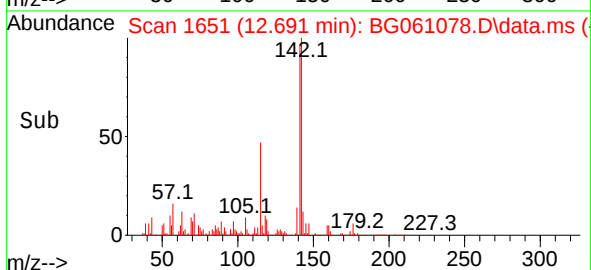
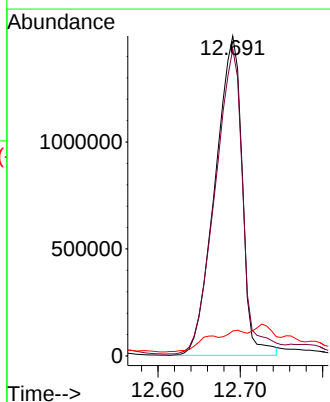
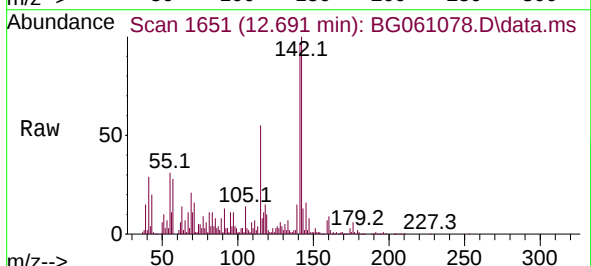
Manual Integrations
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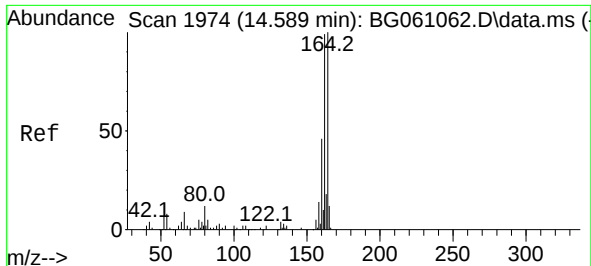
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024



#38
1-Methylnaphthalene
Concen: 664.526 ng m
RT: 12.691 min Scan# 1651
Delta R.T. 0.058 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

Tgt Ion:142 Resp: 3406947
Ion Ratio Lower Upper
142 100
141 95.9 78.4 117.6
116 7.8 4.3 6.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.641 min Scan# 1983

Delta R.T. 0.053 min

Lab File: BG061078.D

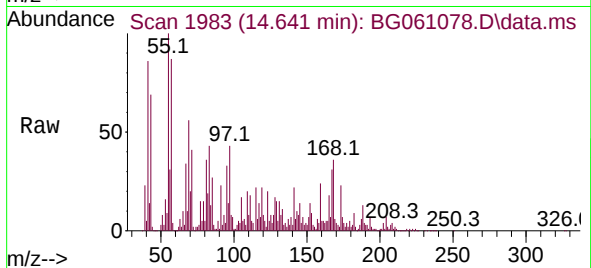
Acq: 1 May 2024 16:06

Instrument :

BNA_G

ClientSampleId :

MW-1



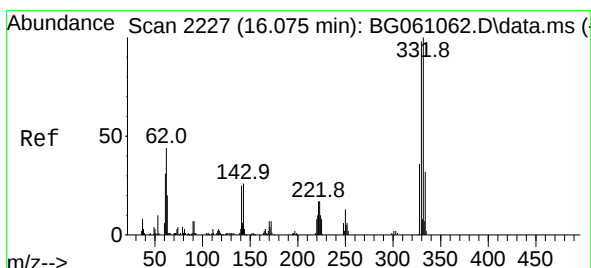
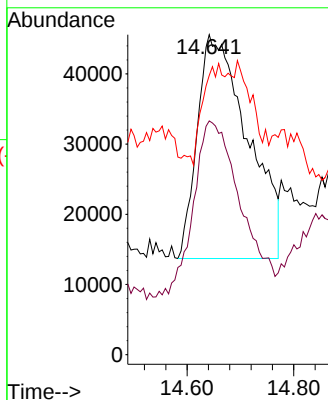
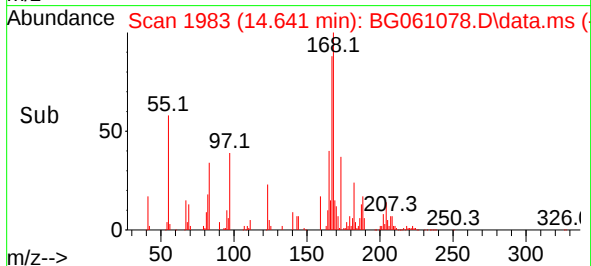
Tgt Ion:	164	Resp:	20914
Ion Ratio	Lower	Upper	
164	100		
162	73.1	79.4	119.2
160	87.2	37.0	55.6

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 05/06/2024



#42

2,4,6-Tribromophenol

Concen: 49.468 ng

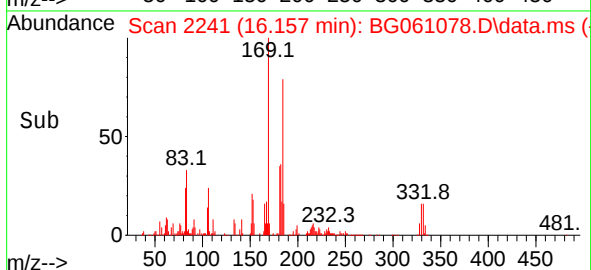
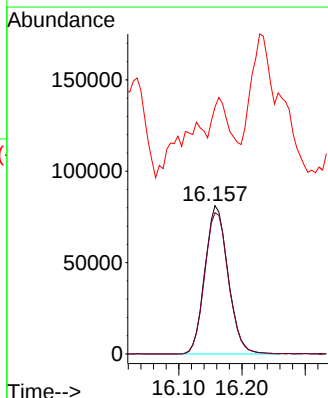
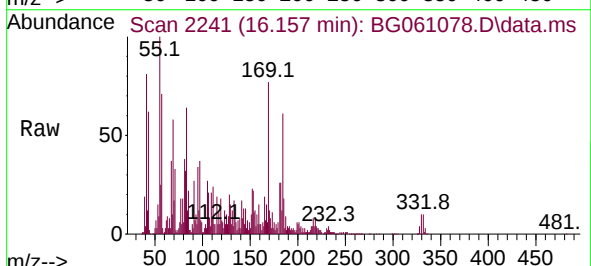
RT: 16.157 min Scan# 2241

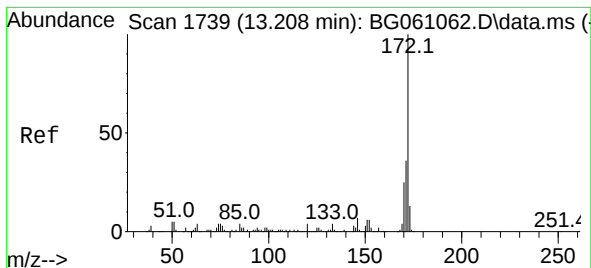
Delta R.T. 0.082 min

Lab File: BG061078.D

Acq: 1 May 2024 16:06

Tgt Ion:	330	Resp:	206798
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.6	117.8
141	41.6	20.5	30.7





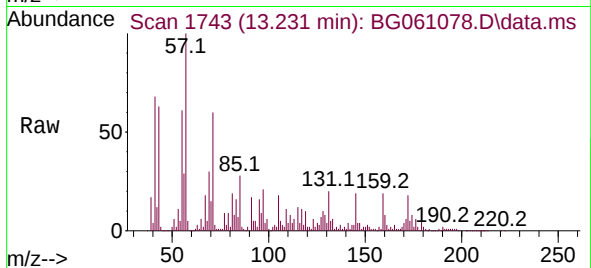
#45
2-Fluorobiphenyl
Concen: 43.531 ng
RT: 13.231 min Scan# 1743
Delta R.T. 0.023 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

Instrument :

BNA_G

ClientSampleId :

MW-1



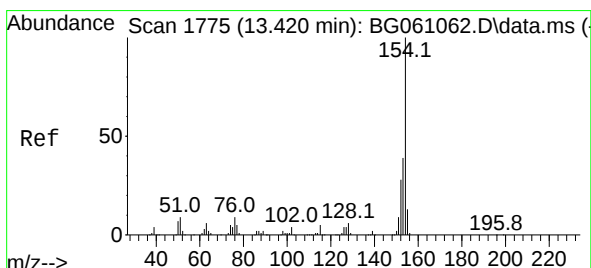
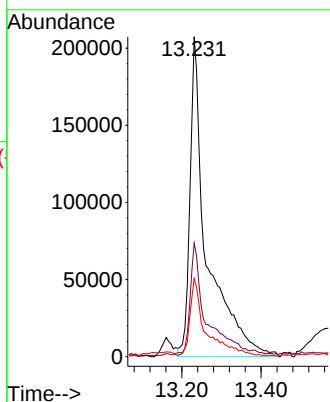
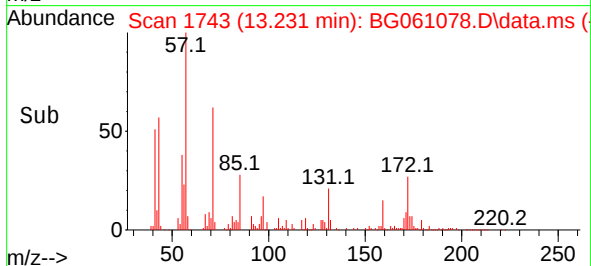
Tgt Ion:172 Resp: 61569
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.6
170 24.4 20.2 30.4

Manual Integrations

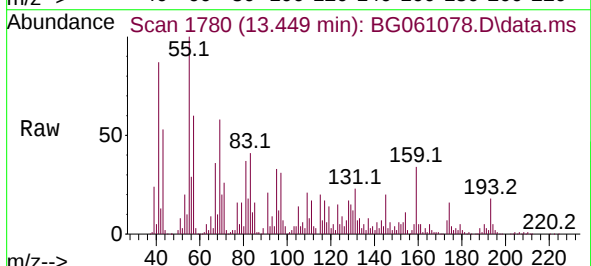
APPROVED

Reviewed By :Yogesh Patel 05/06/2024

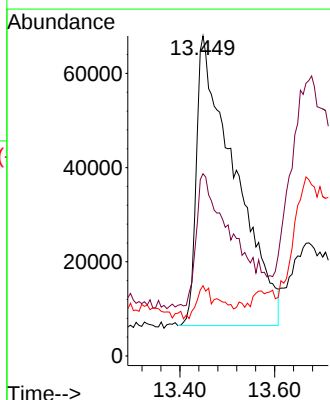
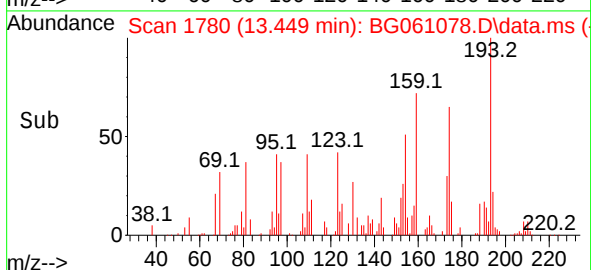
Supervised By :mohammad ahmed 05/06/2024

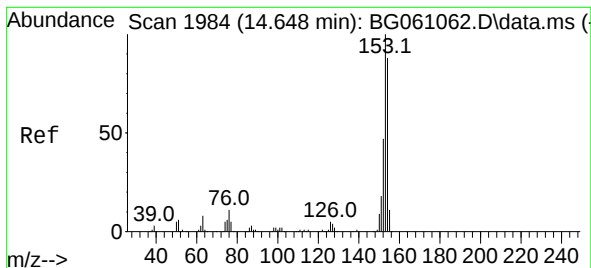


#46
1,1'-Biphenyl
Concen: 25.564 ng
RT: 13.449 min Scan# 1780
Delta R.T. 0.029 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06



Tgt Ion:154 Resp: 342814
Ion Ratio Lower Upper
154 100
153 57.0 19.3 59.3
76 21.9 0.0 28.8





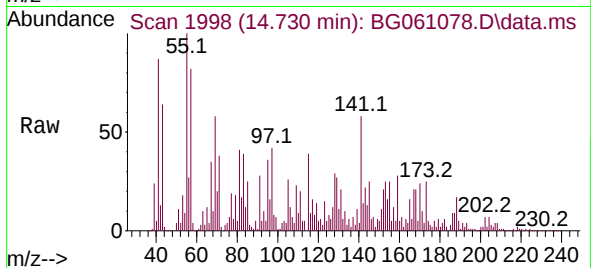
#52
Acenaphthene
Concen: 62.611 ng
RT: 14.730 min Scan# 1998
Delta R.T. 0.082 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

Instrument :

BNA_G

ClientSampleId :

MW-1



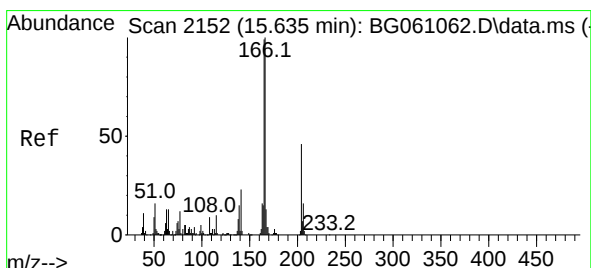
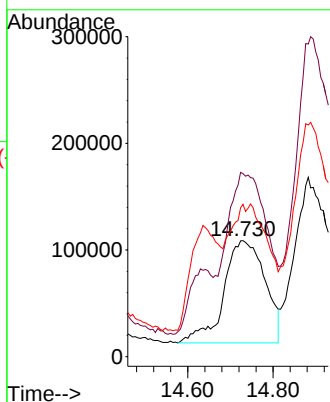
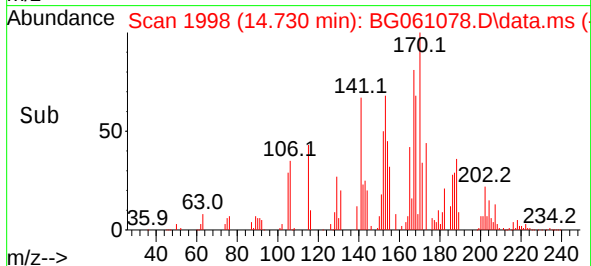
Tgt Ion:154 Resp: 644174
Ion Ratio Lower Upper
154 100
153 157.8 91.0 136.4#
152 131.3 43.1 64.7#

Manual Integrations

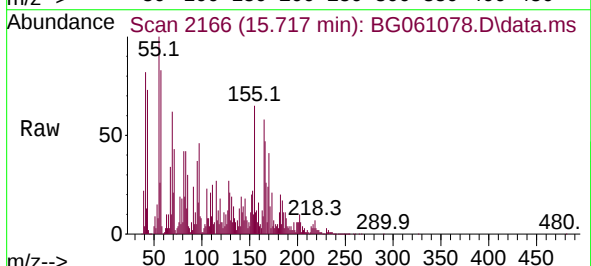
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Reviewed By :Yogesh Patel 05/06/2024

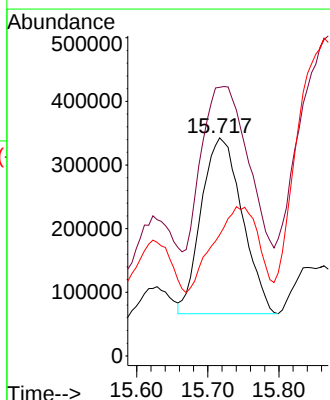
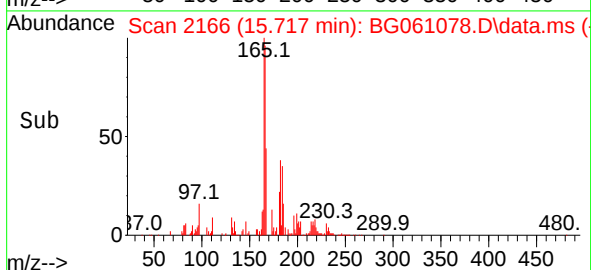
Supervised By :mohammad ahmed 05/06/2024

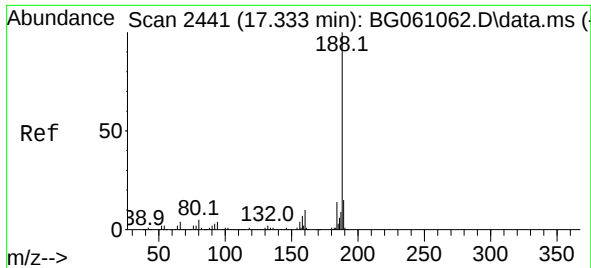


#58
Fluorene
Concen: 73.639 ng
RT: 15.717 min Scan# 2166
Delta R.T. 0.082 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06



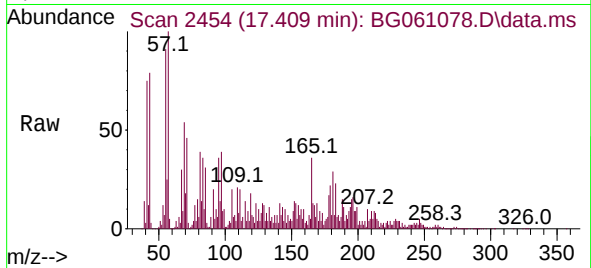
Tgt Ion:166 Resp: 1107364
Ion Ratio Lower Upper
166 100
165 123.2 78.9 118.3#
167 55.5 10.6 15.8#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.409 min Scan# 2441
Delta R.T. 0.076 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

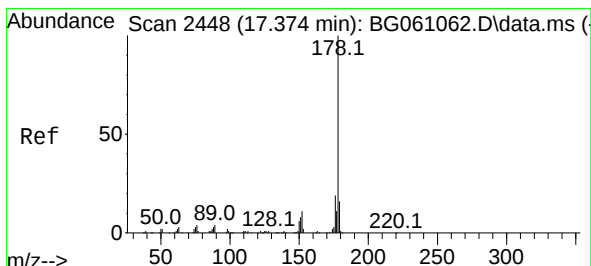
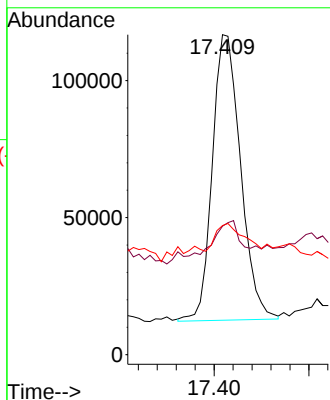
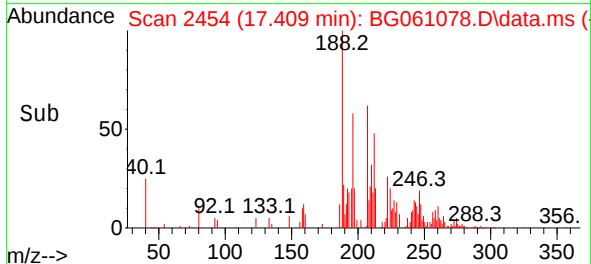
Instrument :
BNA_G
ClientSampleId :
MW-1



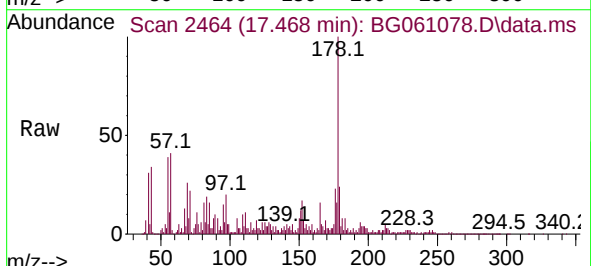
Tgt Ion:188 Resp: 21552
Ion Ratio Lower Upper
188 100
94 40.2 3.6 5.4
80 40.4 4.2 6.2

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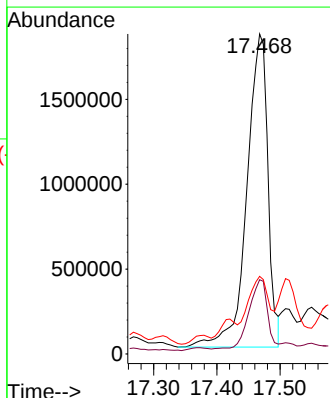
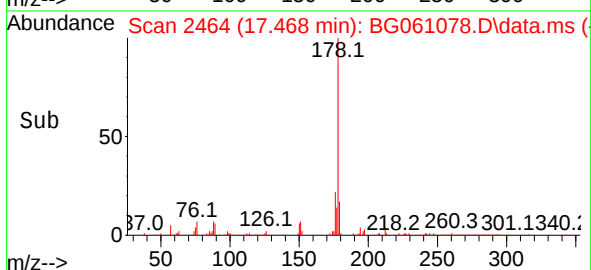
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024

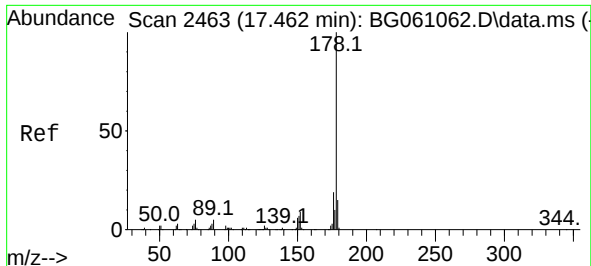


#71
Phenanthrene
Concen: 433.281 ng
RT: 17.468 min Scan# 2464
Delta R.T. 0.094 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06



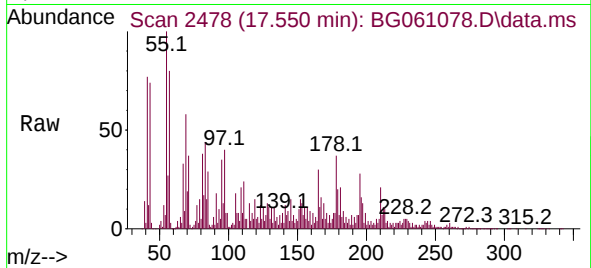
Tgt Ion:178 Resp: 4269809
Ion Ratio Lower Upper
178 100
176 23.2 15.5 23.3
179 24.2 12.6 19.0





#72
 Anthracene
 Concen: 13.481 ng
 RT: 17.550 min Scan# 2463
 Delta R.T. 0.088 min
 Lab File: BG061078.D
 Acq: 1 May 2024 16:06

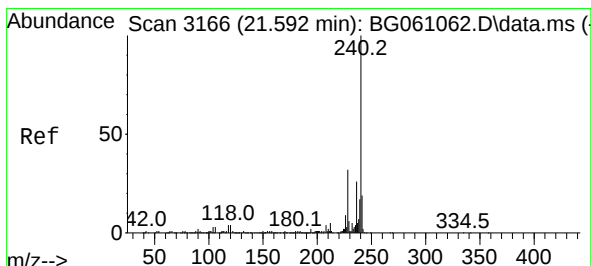
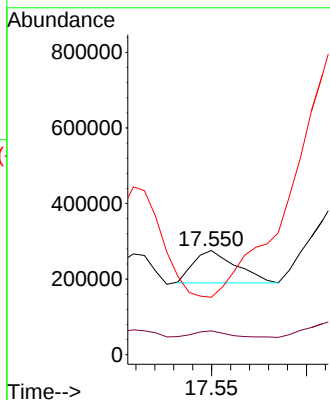
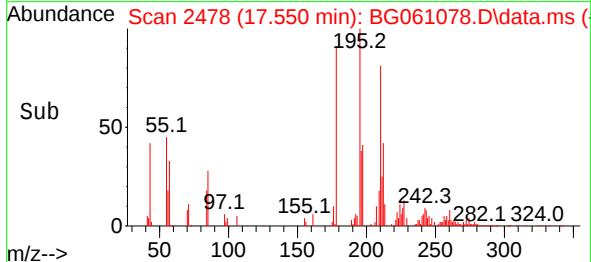
Instrument :
 BNA_G
 ClientSampleId :
 MW-1



Tgt Ion:178 Resp: 132561
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.0 22.6
 179 55.2 12.0 18.0

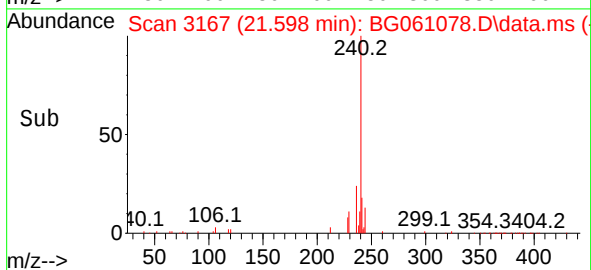
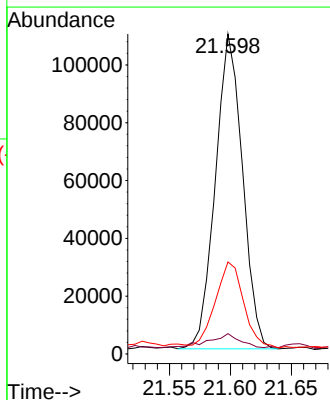
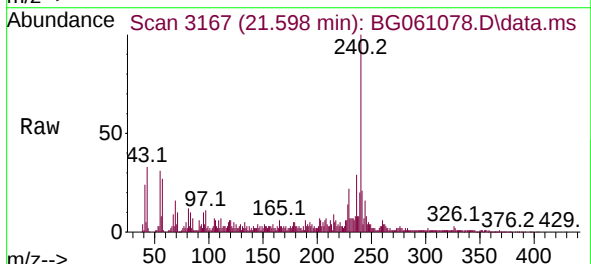
Manual Integrations
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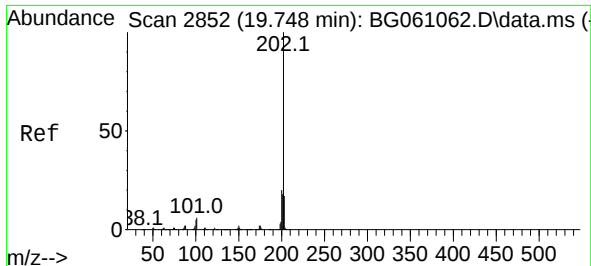
Reviewed By :Yogesh Patel 05/06/2024
 Supervised By :mohammad ahmed 05/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.598 min Scan# 3167
 Delta R.T. 0.006 min
 Lab File: BG061078.D
 Acq: 1 May 2024 16:06

Tgt Ion:240 Resp: 168397
 Ion Ratio Lower Upper
 240 100
 120 6.4 3.2 4.8#
 236 28.8 21.0 31.6





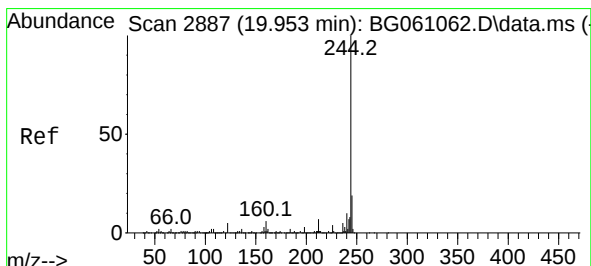
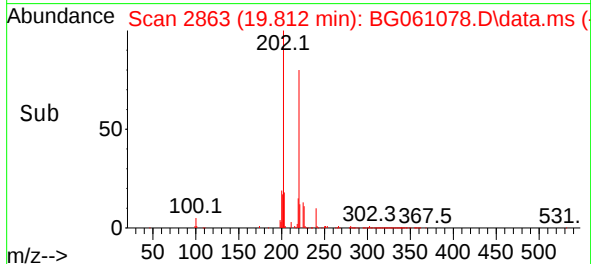
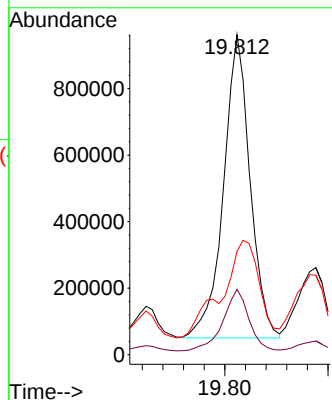
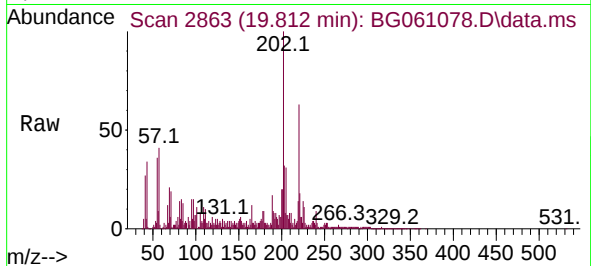
#78
Pyrene
Concen: 152.389 ng m
RT: 19.812 min Scan# 2863
Delta R.T. 0.064 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

Instrument :
BNA_G
ClientSampleId :
MW-1

Tgt Ion:202 Resp: 163148
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.4
203 32.3 13.3 19.9

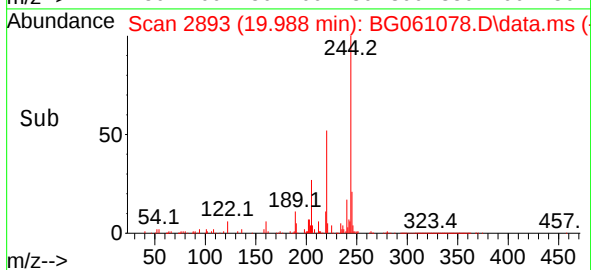
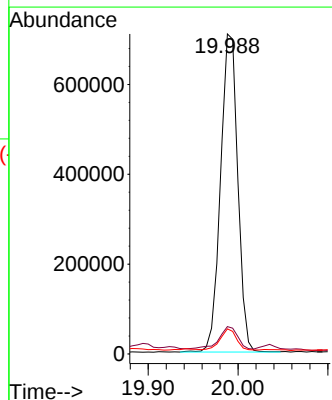
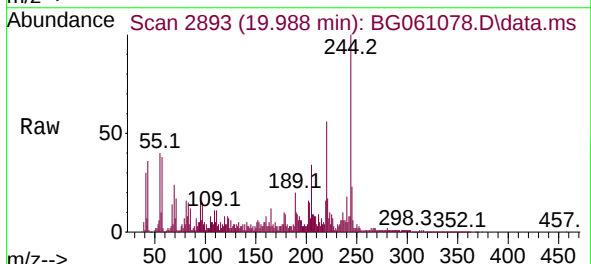
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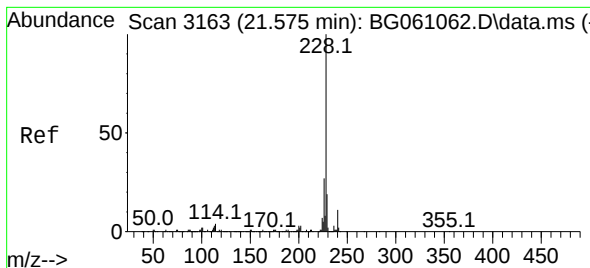
Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024



#79
Terphenyl-d14
Concen: 93.262 ng
RT: 19.988 min Scan# 2893
Delta R.T. 0.035 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

Tgt Ion:244 Resp: 944295
Ion Ratio Lower Upper
244 100
212 8.6 5.7 8.5#
122 7.9 4.2 6.2#





#81

Benzo(a)anthracene

Concen: 2.896 ng

RT: 21.580 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BG061078.D

Acq: 1 May 2024 16:06

Instrument :

BNL_G

ClientSampleId :

MW-1

Tgt Ion:228 Resp: 3190

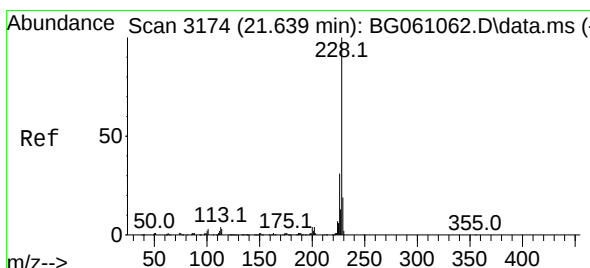
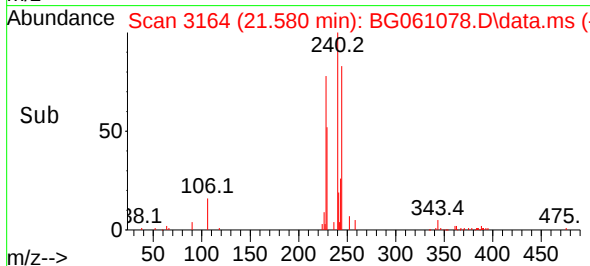
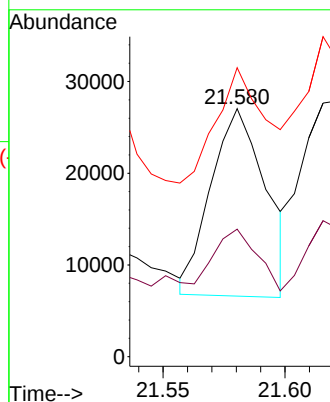
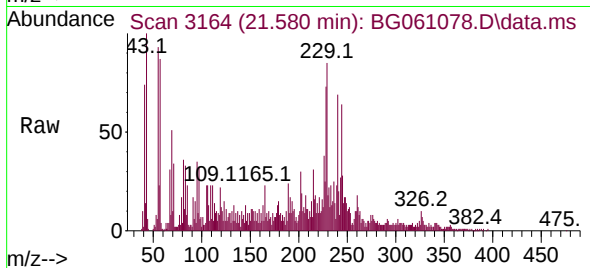
Ion	Ratio	Lower	Upper
228	100		
226	51.4	21.6	32.4
229	116.5	15.0	22.4

Manual Integrations

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Reviewed By :Yogesh Patel 05/06/2024

Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 8.273 ng

RT: 21.639 min Scan# 3174

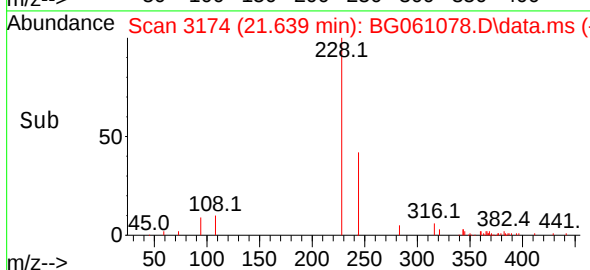
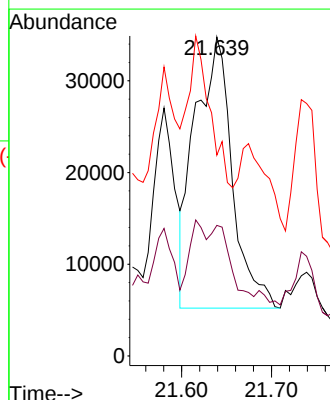
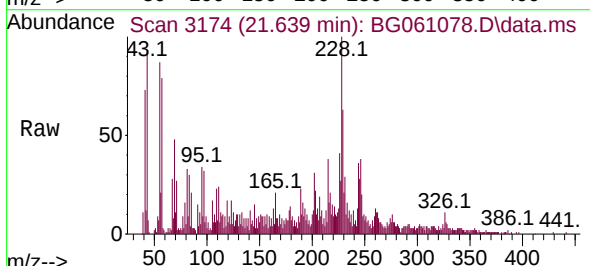
Delta R.T. -0.000 min

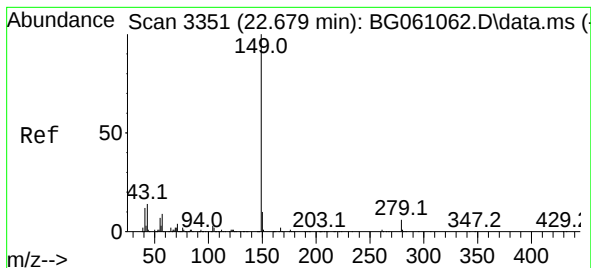
Lab File: BG061078.D

Acq: 1 May 2024 16:06

Tgt Ion:228 Resp: 85414

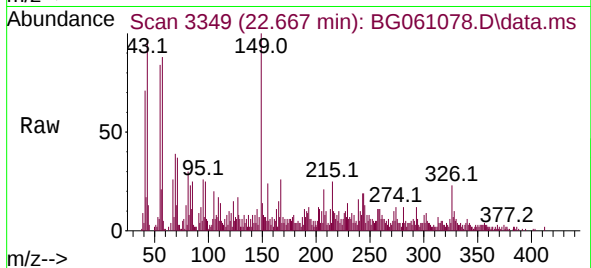
Ion	Ratio	Lower	Upper
228	100		
226	40.9	24.4	36.6
229	62.9	14.8	22.2





#85
Di-n-octyl phthalate
Concen: 5.050 ng
RT: 22.667 min Scan# 3349
Delta R.T. -0.012 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06

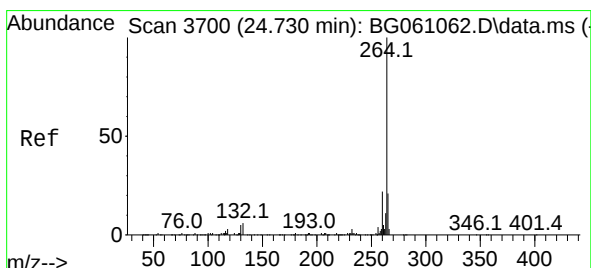
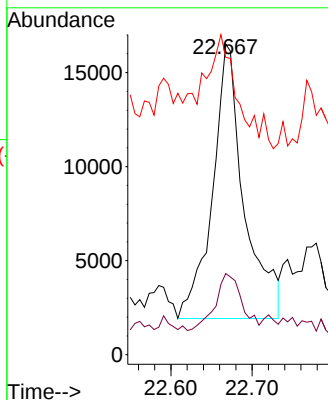
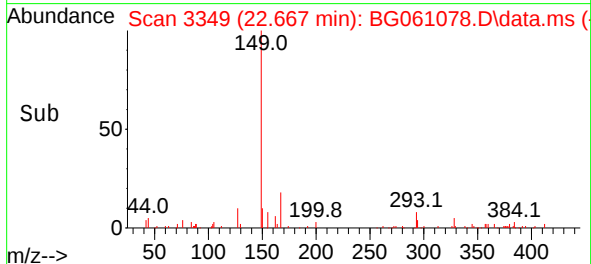
Instrument :
BNA_G
ClientSampleId :
MW-1



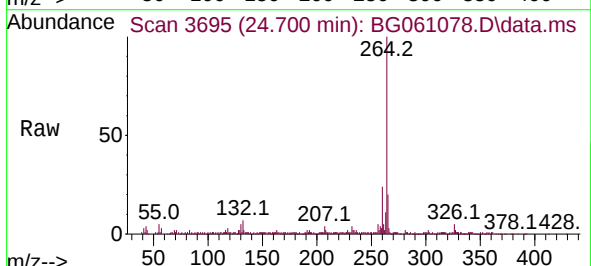
Tgt Ion:149 Resp: 39428
Ion Ratio Lower Upper
149 100
167 17.3 1.4 2.0
43 24.7 10.6 15.8

Manual Integrations
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Reviewed By :Yogesh Patel 05/06/2024
Supervised By :mohammad ahmed 05/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.700 min Scan# 3695
Delta R.T. -0.030 min
Lab File: BG061078.D
Acq: 1 May 2024 16:06



Tgt Ion:264 Resp: 211600
Ion Ratio Lower Upper
264 100
260 23.8 17.7 26.5
265 20.0 16.4 24.6

