

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057524.D
 Acq On : 23 May 2023 18:00
 Operator : CG/JU
 Sample : 02892-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-30

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/24/2023
 Supervised By : mohammad ahmed 05/24/2023

Quant Time: May 24 04:34:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	24195	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	83870	20.000	ng	# 0.00
39) Acenaphthene-d10	14.986	164	58838	20.000	ng	0.01
64) Phenanthrene-d10	17.724	188	116826	20.000	ng	# 0.01
76) Chrysene-d12	22.018	240	123606	20.000	ng	0.00
86) Perylene-d12	25.519	264	136892	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	120567	85.242	ng	0.00
7) Phenol-d6	7.497	99	164070	76.389	ng	0.00
23) Nitrobenzene-d5	9.535	82	111774	55.935	ng	0.00
42) 2,4,6-Tribromophenol	16.473	330	68115	81.590	ng	0.02
45) 2-Fluorobiphenyl	13.600	172	232779	53.283	ng	0.00
79) Terphenyl-d14	20.279	244	404401	53.391	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.244	128	53987	12.040	ng	# 65
37) 2-Methylnaphthalene	12.842	142	718633	203.847	ng	98
38) 1-Methylnaphthalene	13.060	142	632392m	190.317	ng	
52) Acenaphthene	15.051	154	62230	18.881	ng	# 67
58) Fluorene	16.032	166	114394	25.078	ng	# 78
71) Phenanthrene	17.771	178	416731	69.613	ng	# 95
72) Anthracene	17.859	178	39122m	6.369	ng	
75) Fluoranthene	19.751	202	39931	5.363	ng	83
78) Pyrene	20.109	202	74230	8.264	ng	# 77

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

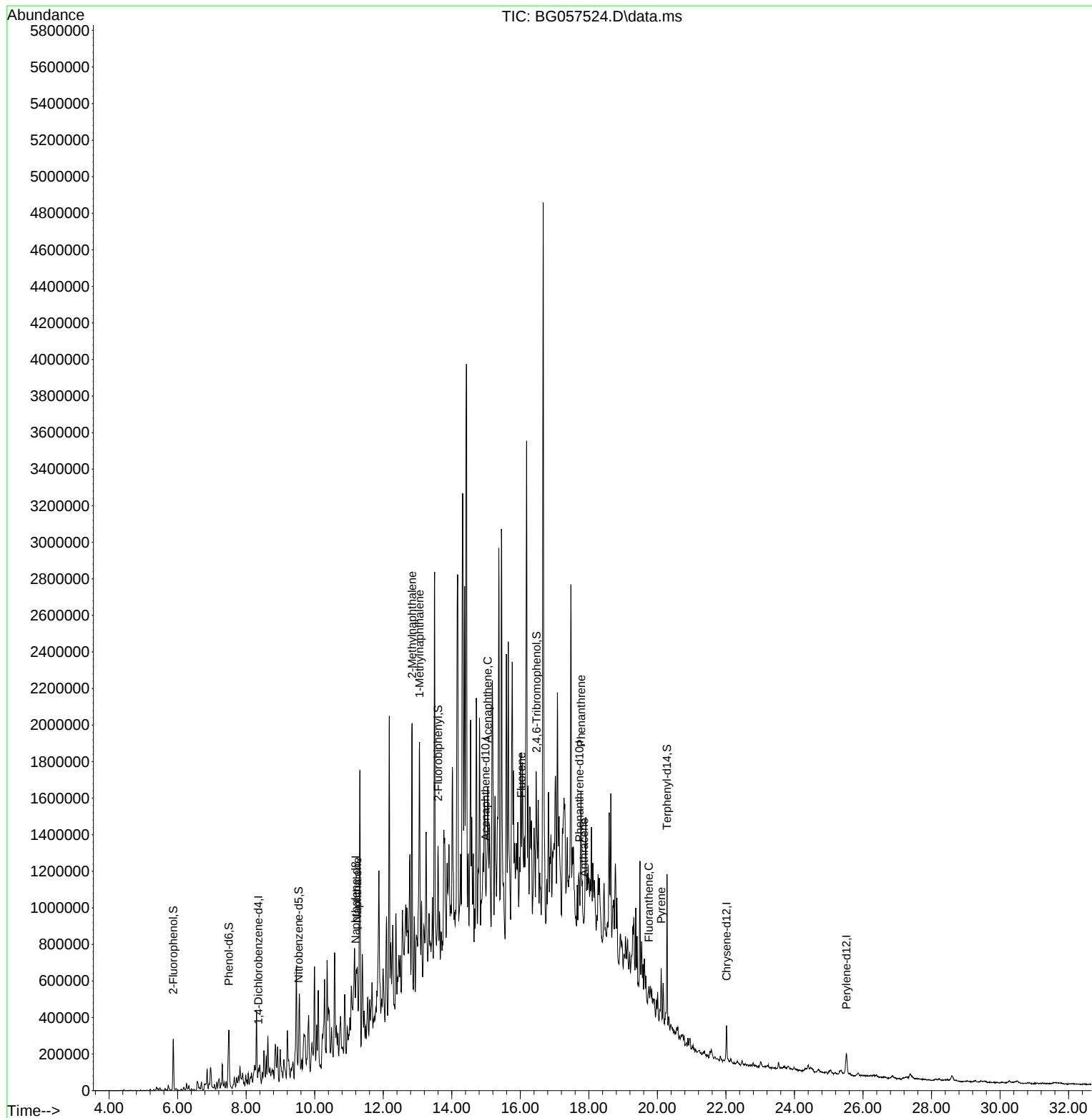
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057524.D
Acq On : 23 May 2023 18:00
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ALS Vial : 14 Sample Multiplier: 1

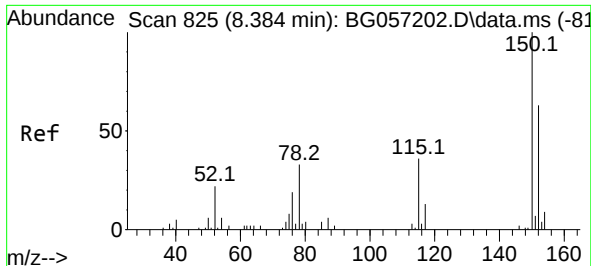
Instrument :
BNA_G
ClientSampleId :
TP-30

Quant Time: May 24 04:34:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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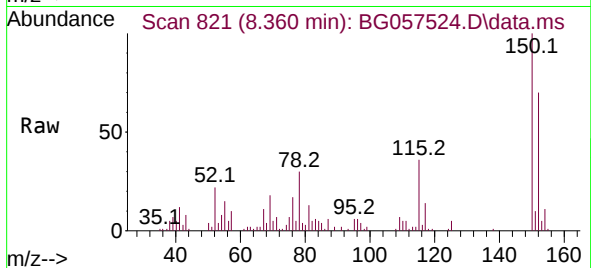
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

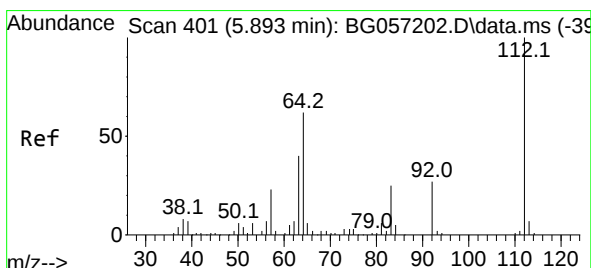
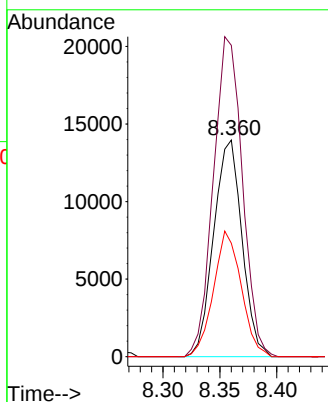
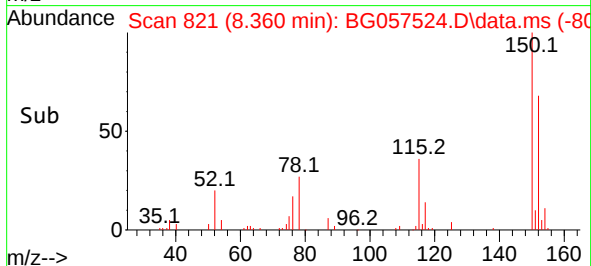
Instrument :
BNA_G
ClientSampleId :
TP-30



Tgt Ion:152 Resp: 2419
Ion Ratio Lower Upper
152 100
150 143.7 126.2 189.4
115 52.4 45.0 67.4

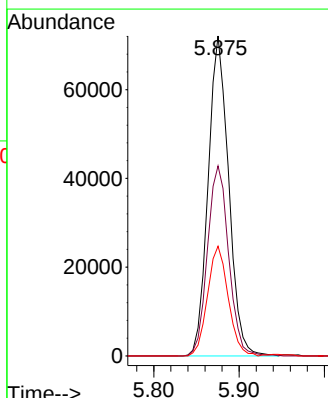
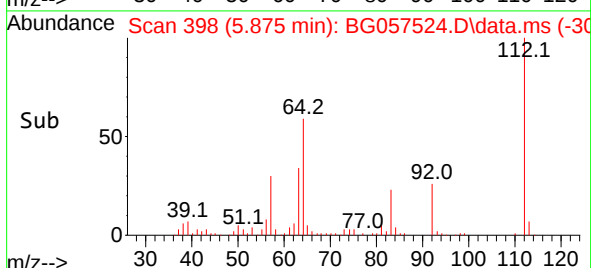
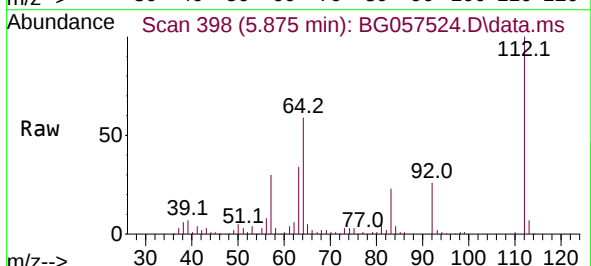
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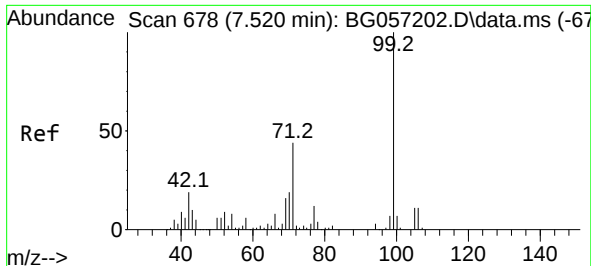
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#5
2-Fluorophenol
Concen: 85.242 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

Tgt Ion:112 Resp: 120567
Ion Ratio Lower Upper
112 100
64 59.4 49.4 74.2
63 34.3 31.6 47.4





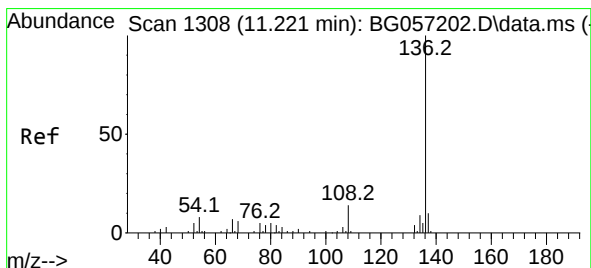
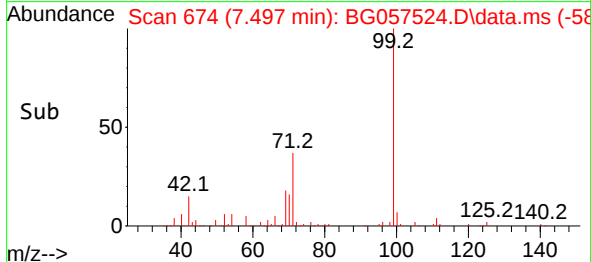
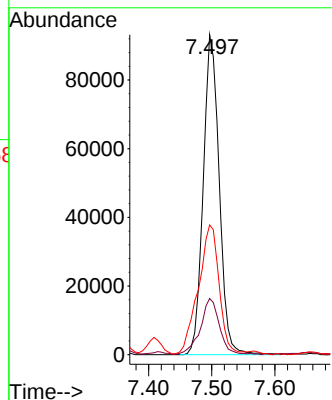
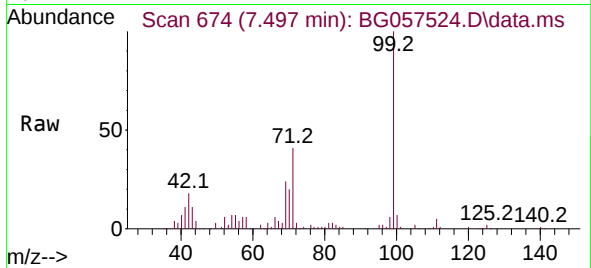
#7
Phenol-d6
Concen: 76.389 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

Instrument :
BNA_G
ClientSampleId :
TP-30

Tgt Ion: 99 Resp: 164070
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 40.5 35.2 52.8

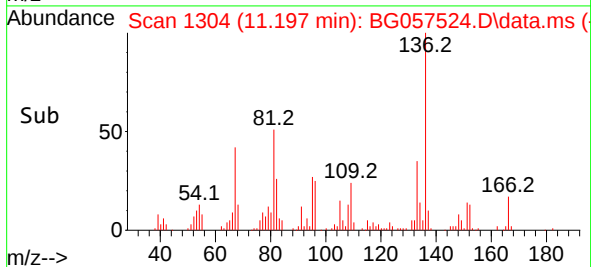
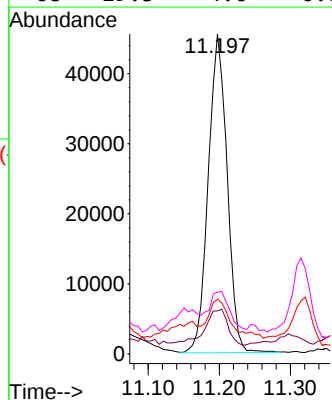
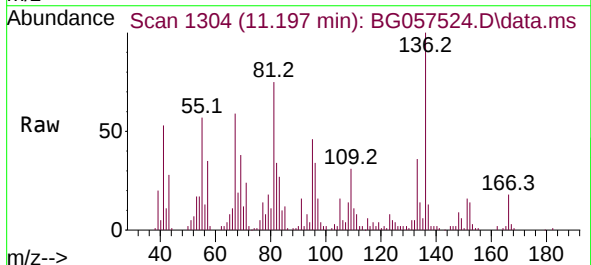
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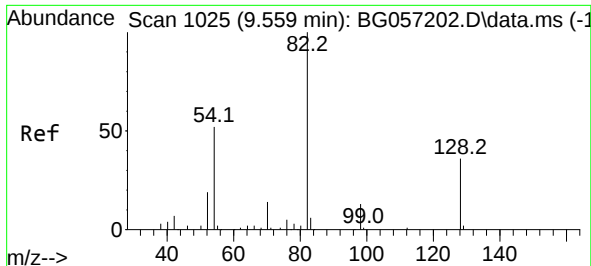
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

Tgt Ion:136 Resp: 83870
Ion Ratio Lower Upper
136 100
137 13.5 8.3 12.5#
54 17.1 6.7 10.1#
68 19.3 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 55.935 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.002 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

Instrument :

BNA_G

ClientSampleId :

TP-30

Tgt Ion: 82 Resp: 111774

Ion Ratio Lower Upper

82 100

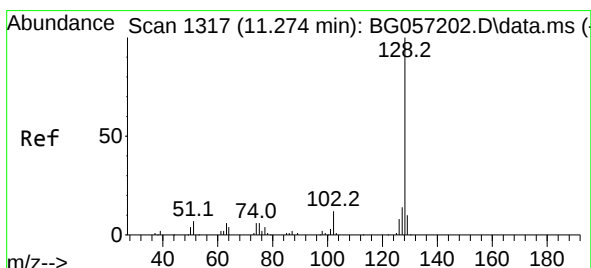
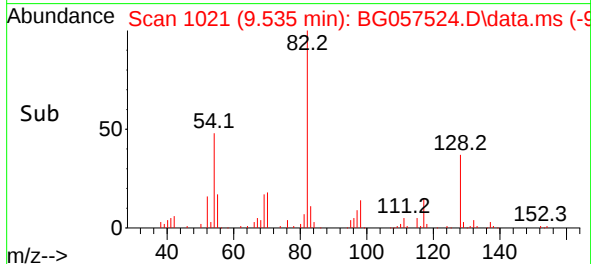
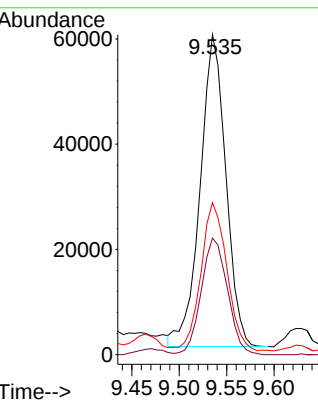
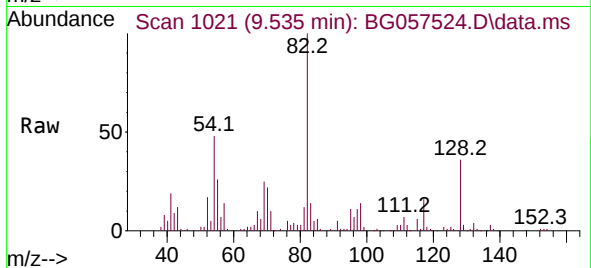
128 36.5 29.0 43.4

54 47.5 41.4 62.0

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Supervised By :mohammad ahmed 05/24/2023



#31

Naphthalene

Concen: 12.040 ng

RT: 11.244 min Scan# 1312

Delta R.T. -0.002 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

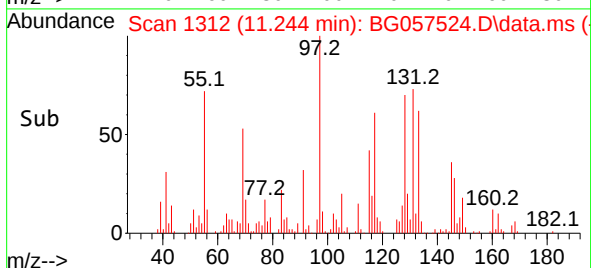
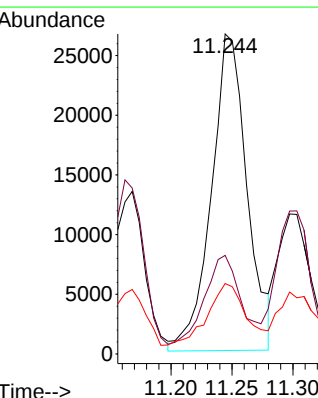
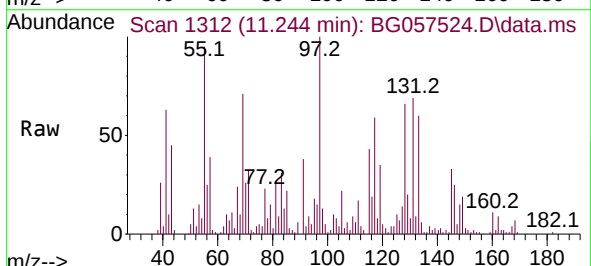
Tgt Ion:128 Resp: 53987

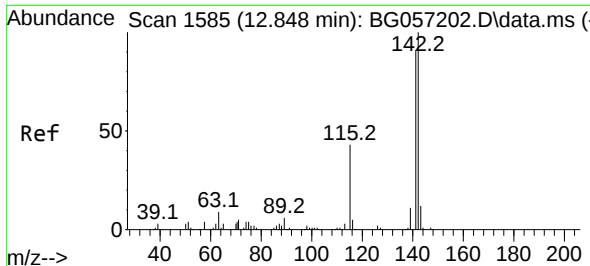
Ion Ratio Lower Upper

128 100

129 30.8 8.3 12.5#

127 22.0 11.1 16.7#





#37

2-Methylnaphthalene

Concen: 203.847 ng

RT: 12.842 min Scan# 1

Delta R.T. 0.016 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

Instrument :

BNA_G

ClientSampleId :

TP-30

Tgt Ion:142 Resp: 71863

Ion Ratio Lower Upper

142 100

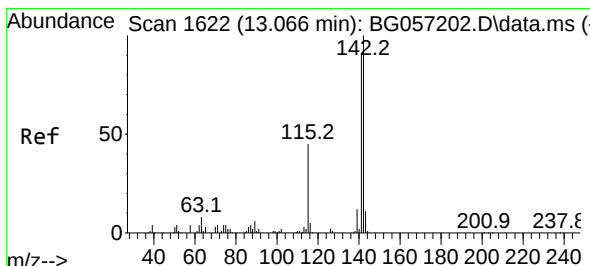
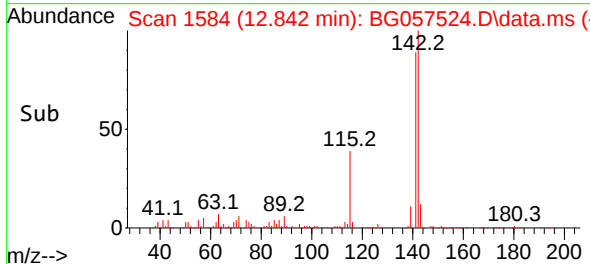
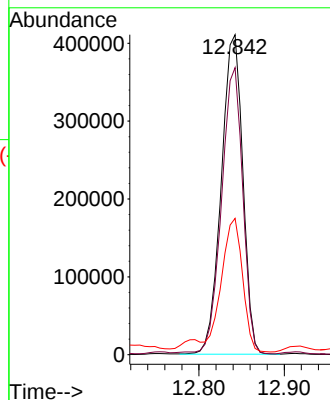
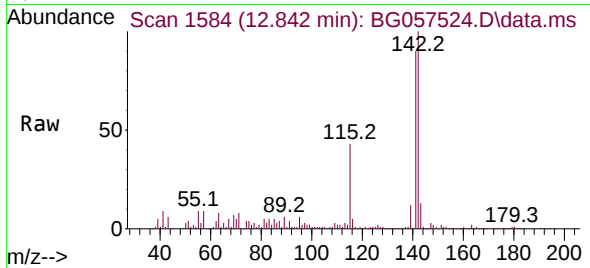
141 89.7 73.1 109.7

115 42.6 34.6 52.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#38

1-Methylnaphthalene

Concen: 190.317 ng m

RT: 13.060 min Scan# 1621

Delta R.T. 0.016 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

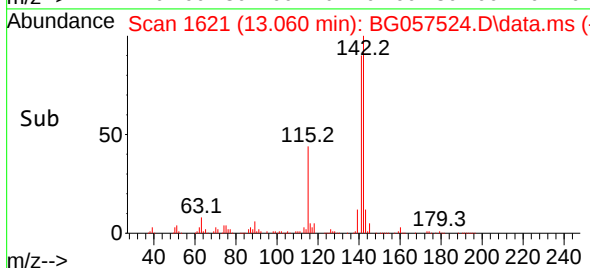
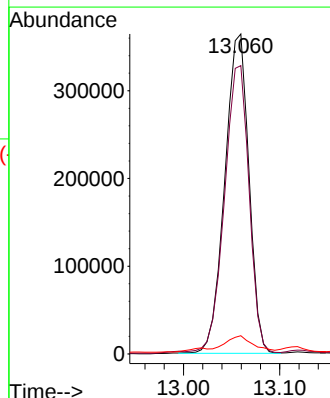
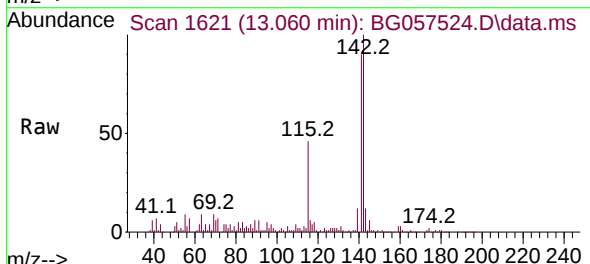
Tgt Ion:142 Resp: 632392

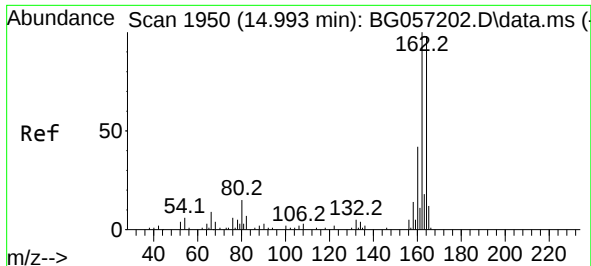
Ion Ratio Lower Upper

142 100

141 90.1 72.5 108.7

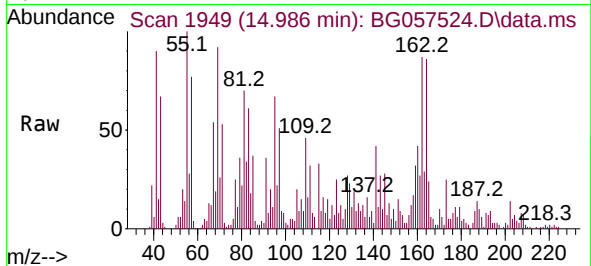
116 5.7 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.986 min Scan# 1950
Delta R.T. 0.010 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

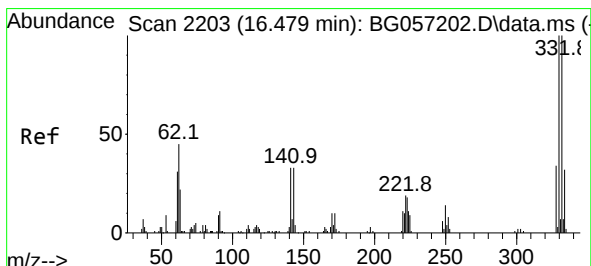
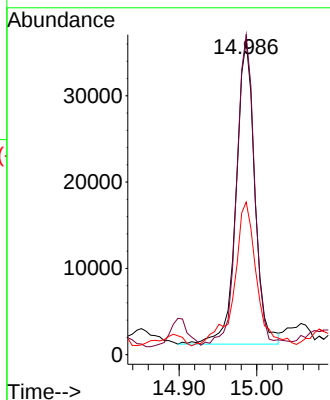
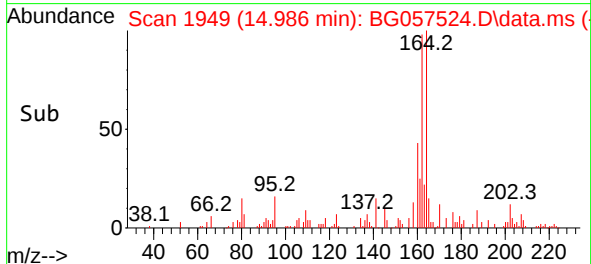
Instrument :
BNA_G
ClientSampleId :
TP-30



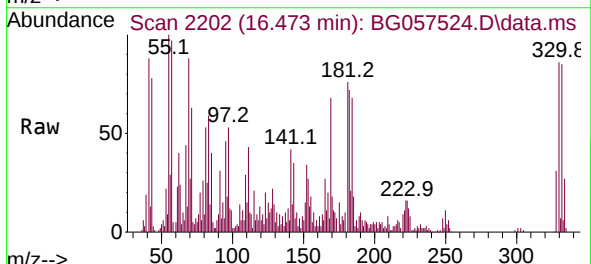
Tgt Ion:164 Resp: 58838
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 48.7 34.6 52.0

Manual Integrations
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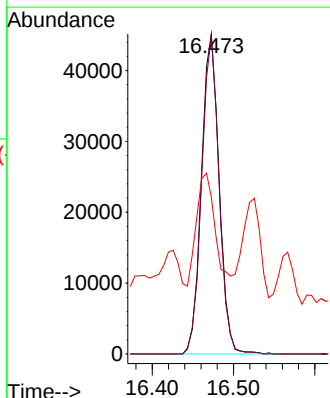
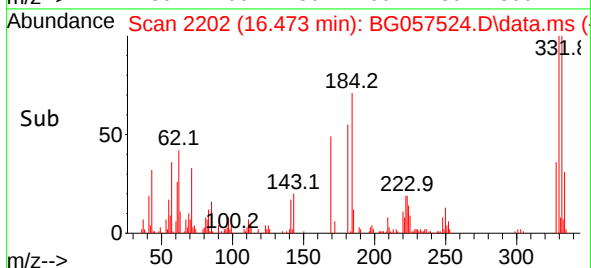
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

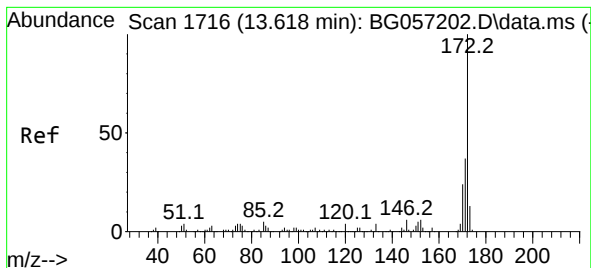


#42
2,4,6-Tribromophenol
Concen: 81.590 ng
RT: 16.473 min Scan# 2202
Delta R.T. 0.016 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00



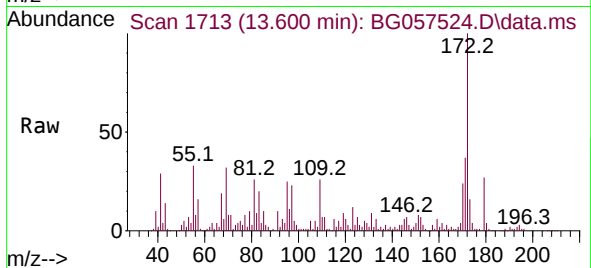
Tgt Ion:330 Resp: 68115
Ion Ratio Lower Upper
330 100
332 97.5 78.2 117.2
141 36.7 27.8 41.8





#45
2-Fluorobiphenyl
Concen: 53.283 ng
RT: 13.600 min Scan# 1716
Delta R.T. -0.002 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

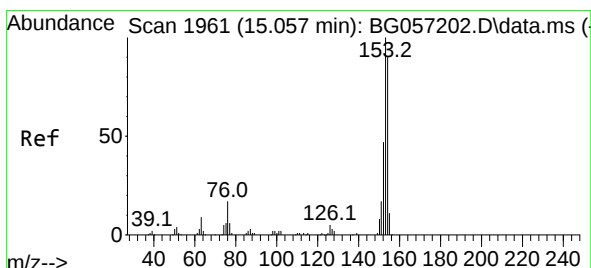
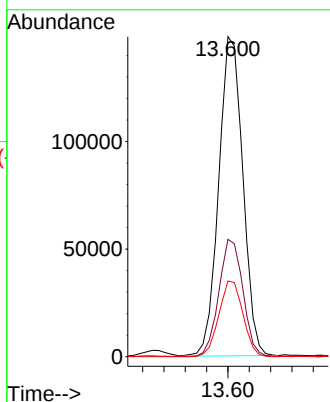
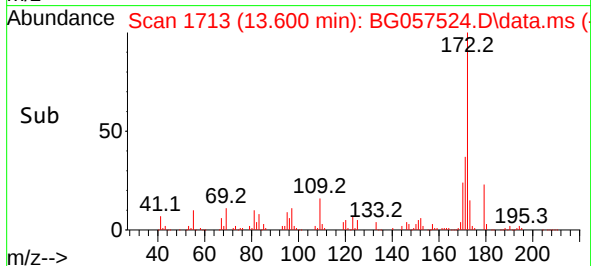
Instrument :
BNA_G
ClientSampleId :
TP-30



Tgt Ion:172 Resp: 232779
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 23.6 19.0 28.6

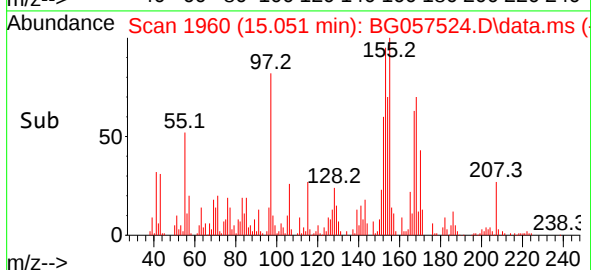
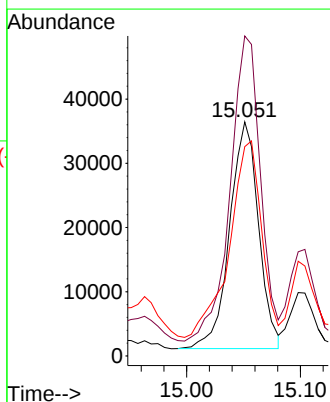
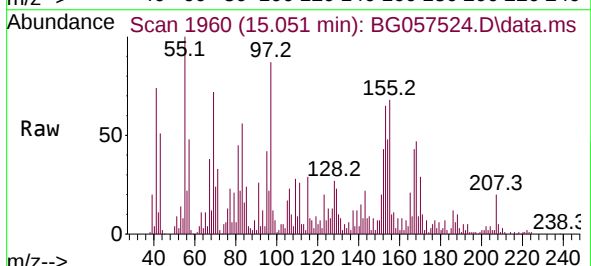
Manual Integrations
APPROVED

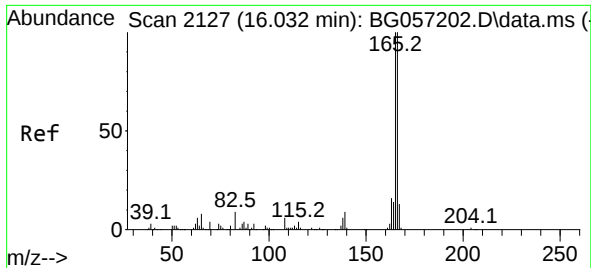
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#52
Acenaphthene
Concen: 18.881 ng
RT: 15.051 min Scan# 1960
Delta R.T. 0.016 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

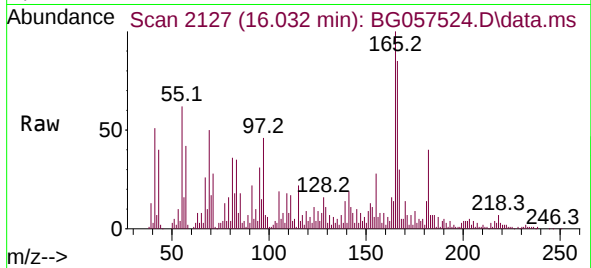
Tgt Ion:154 Resp: 62230
Ion Ratio Lower Upper
154 100
153 136.7 89.3 133.9#
152 89.4 41.7 62.5#





#58
Fluorene
Concen: 25.078 ng
RT: 16.032 min Scan# 2127
Delta R.T. 0.016 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

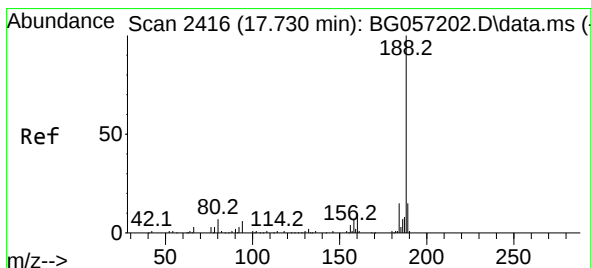
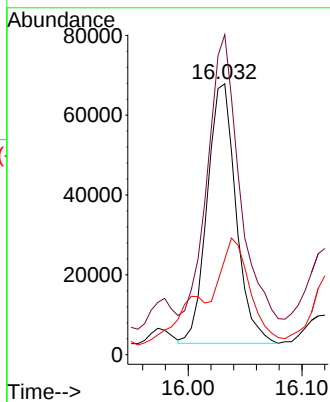
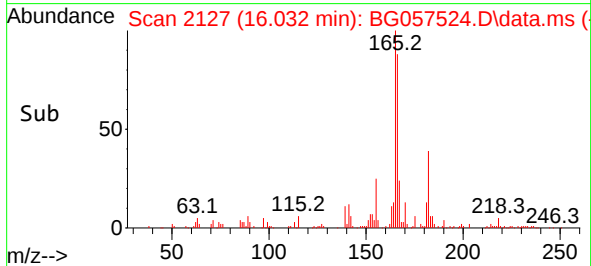
Instrument :
BNA_G
ClientSampleId :
TP-30



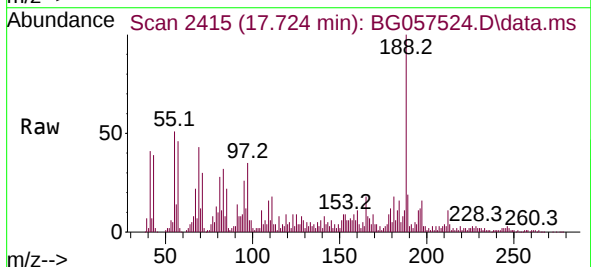
Tgt Ion:166 Resp: 114394
Ion Ratio Lower Upper
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165 118.1 80.1 120.1
167 35.2 10.2 15.2

Manual Integrations
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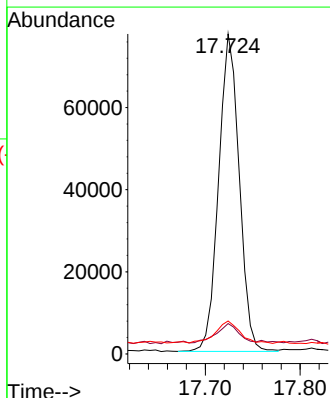
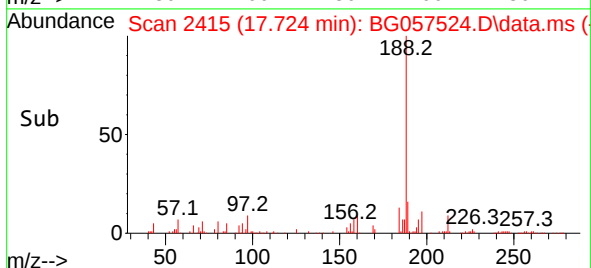
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

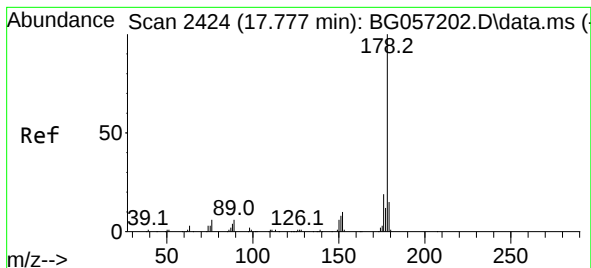


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.724 min Scan# 2415
Delta R.T. 0.010 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00



Tgt Ion:188 Resp: 116826
Ion Ratio Lower Upper
188 100
94 9.5 5.1 7.7#
80 10.3 5.7 8.5#





#71

Phenanthrene

Concen: 69.613 ng

RT: 17.771 min Scan# 2424

Delta R.T. 0.016 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

Instrument :

BNA_G

ClientSampleId :

TP-30

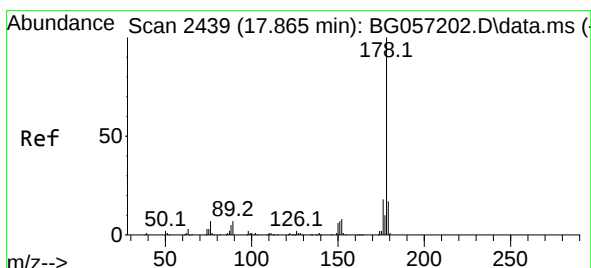
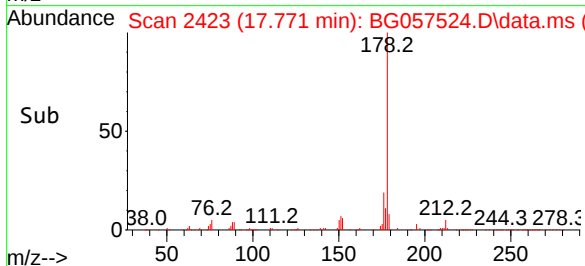
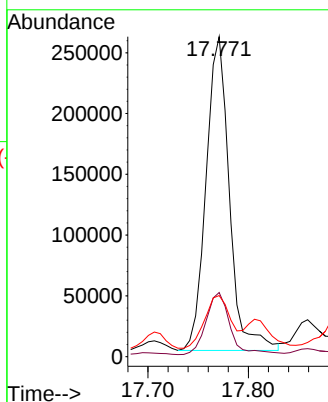
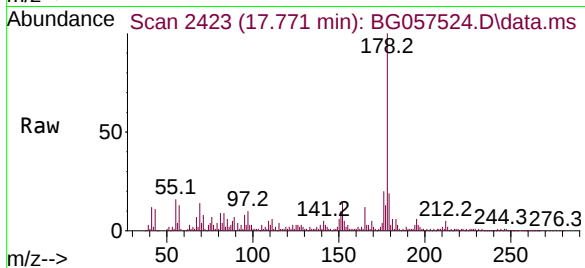
Tgt Ion:178 Resp: 41673

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	19.1	12.3	18.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#72

Anthracene

Concen: 6.369 ng m

RT: 17.859 min Scan# 2438

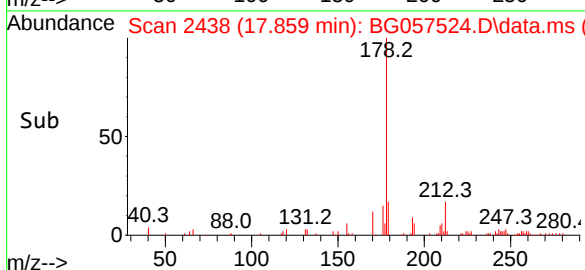
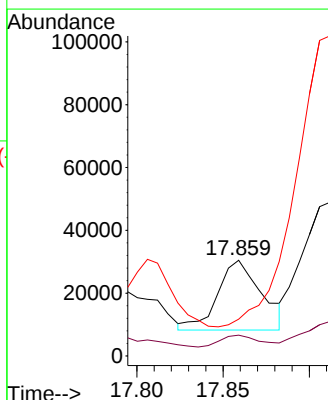
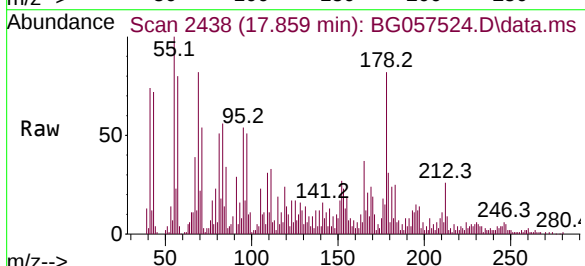
Delta R.T. 0.010 min

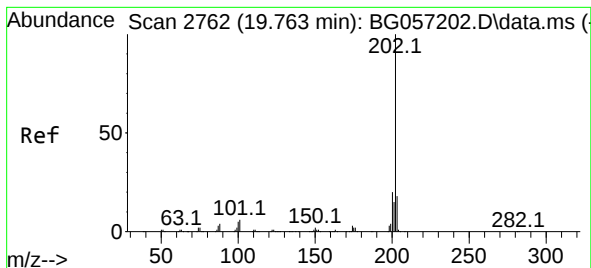
Lab File: BG057524.D

Acq: 23 May 2023 18:00

Tgt Ion:178 Resp: 39122

Ion	Ratio	Lower	Upper
178	100		
176	21.7	14.7	22.1
179	38.5	13.2	19.8





#75

Fluoranthene

Concen: 5.363 ng

RT: 19.751 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

Instrument :

BNA_G

ClientSampleId :

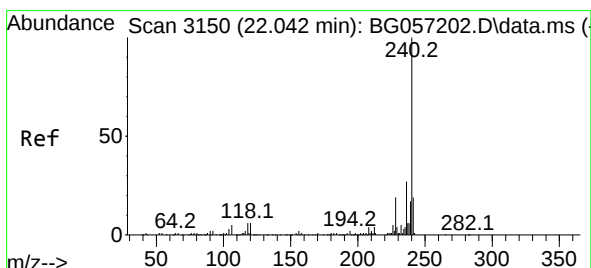
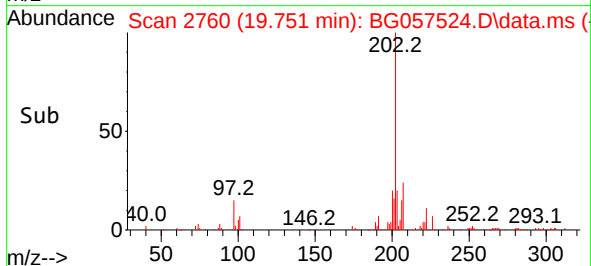
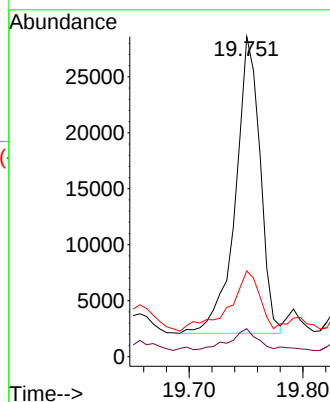
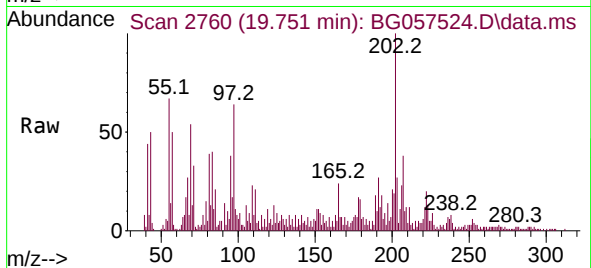
TP-30

Tgt Ion:202	Resp:	3993
Ion Ratio	Lower	Upper
202	100	
101	8.8	0.0 26.2
203	26.8	0.0 37.9

Manual Integrations

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Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#76

Chrysene-d12

Concen: 20.000 ng

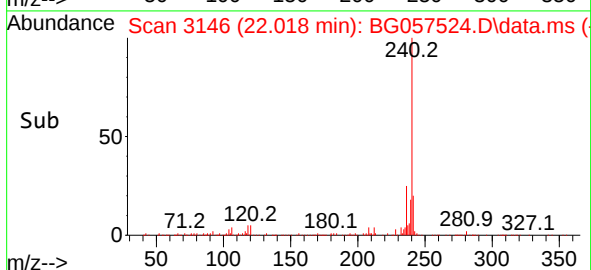
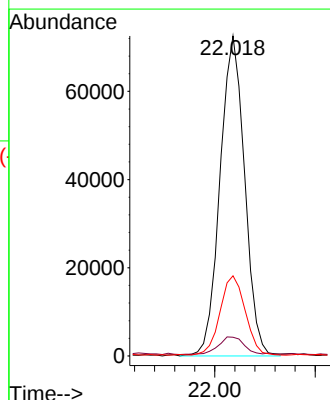
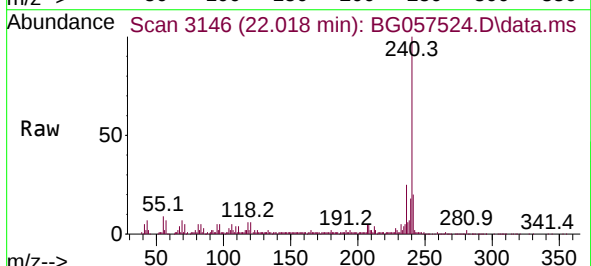
RT: 22.018 min Scan# 3146

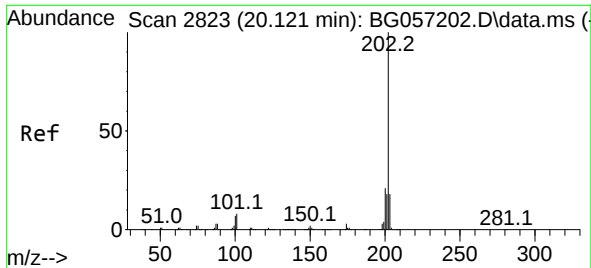
Delta R.T. -0.002 min

Lab File: BG057524.D

Acq: 23 May 2023 18:00

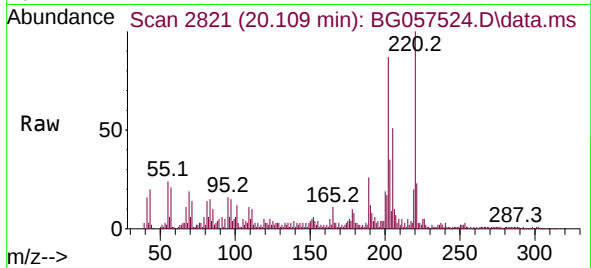
Tgt Ion:240	Resp:	123606
Ion Ratio	Lower	Upper
240	100	
120	5.9	4.9 7.3
236	25.1	21.4 32.2





#78
Pyrene
Concen: 8.264 ng
RT: 20.109 min Scan# 202
Delta R.T. 0.004 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

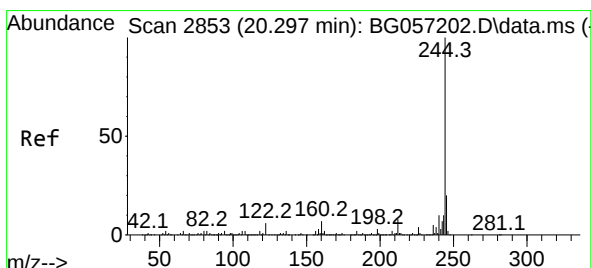
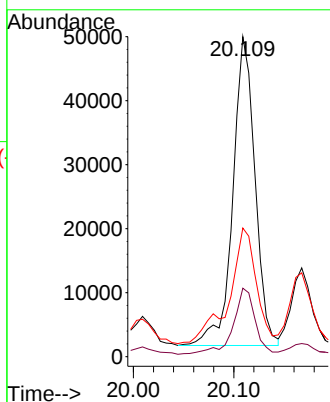
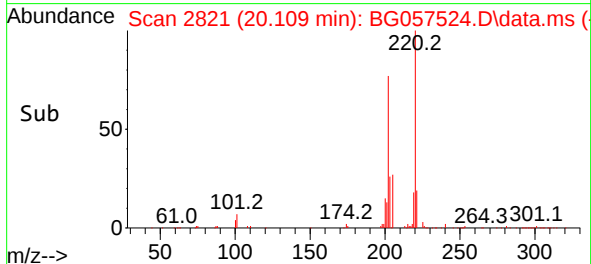
Instrument :
BNA_G
ClientSampleId :
TP-30



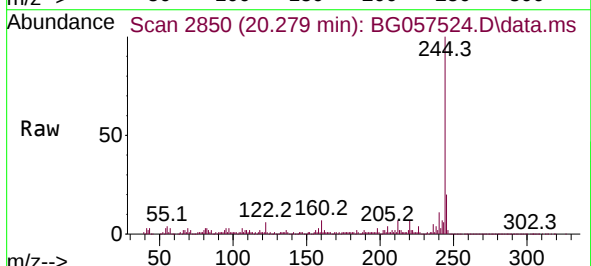
Tgt Ion:202 Resp: 74230
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 40.2 14.2 21.4

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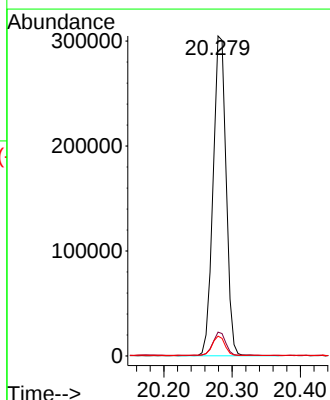
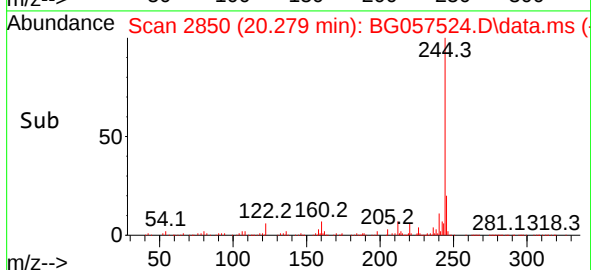
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

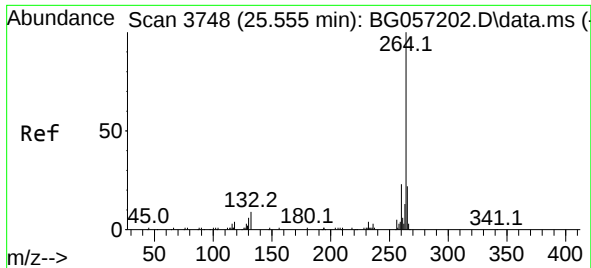


#79
Terphenyl-d14
Concen: 53.391 ng
RT: 20.279 min Scan# 2850
Delta R.T. -0.002 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00



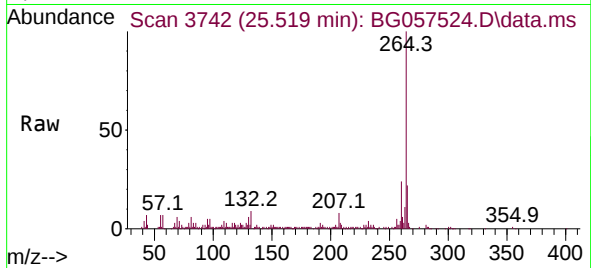
Tgt Ion:244 Resp: 404401
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.2 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.519 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG057524.D
Acq: 23 May 2023 18:00

Instrument :
BNA_G
ClientSampleId :
TP-30



Tgt Ion:264 Resp: 136892
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.1 17.9 26.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

