

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057526.D
 Acq On : 23 May 2023 19:22
 Operator : CG/JU
 Sample : 02873-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-051923

Manual Integrations
 APPROVED

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

Quant Time: May 24 04:35:22 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	8.355	152	26064	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	101441	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	67048	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	141848	20.000	ng	0.00
76) Chrysene-d12	22.019	240	128583	20.000	ng	0.00
86) Perylene-d12	25.520	264	142794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	124514	81.720	ng	0.00
7) Phenol-d6	7.503	99	176153	76.133	ng	0.00
23) Nitrobenzene-d5	9.536	82	115140	47.639	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	72822	76.547	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	276905	55.622	ng	0.00
79) Terphenyl-d14	20.280	244	410734	52.129	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.745	202	29757	3.292	ng	98
78) Pyrene	20.104	202	32890m	3.520	ng	
81) Benzo(a)anthracene	21.995	228	19643	2.144	ng	# 91
83) Chrysene	22.066	228	18898	2.192	ng	# 92
88) Benzo(b)fluoranthene	24.392	252	27052	2.898	ng	# 95
90) Benzo(a)pyrene	25.350	252	18476	2.026	ng	# 79

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

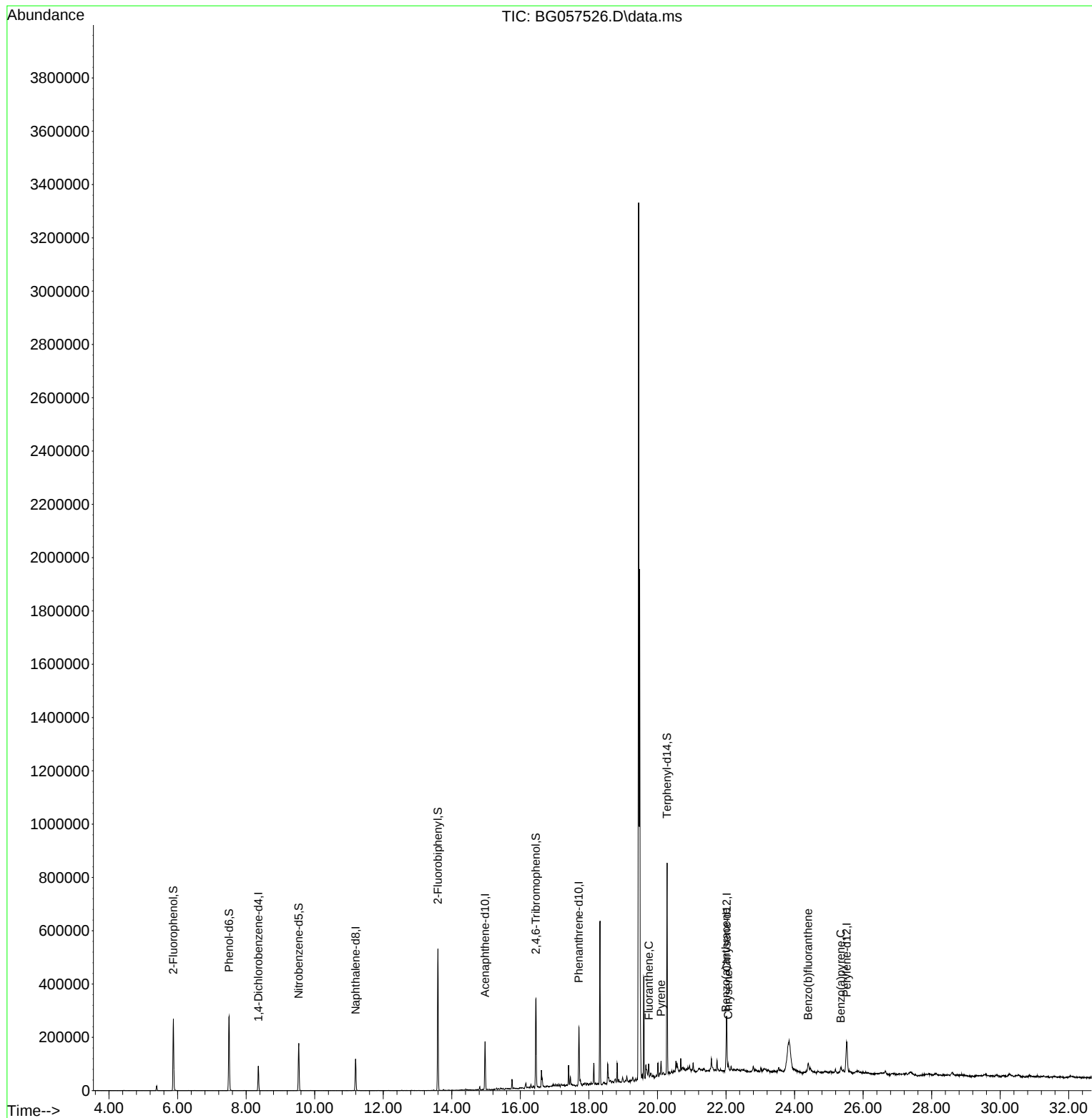
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057526.D
Acq On : 23 May 2023 19:22
Operator : CG/JU
Sample : 02873-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

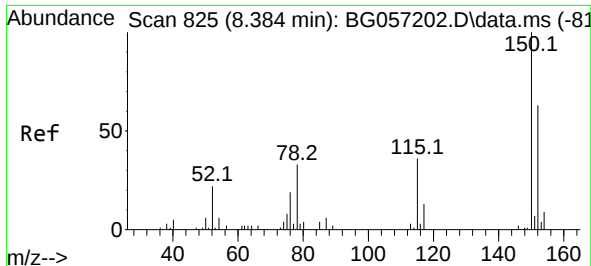
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

Quant Time: May 24 04:35:22 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

Manual Integrations
APPROVED

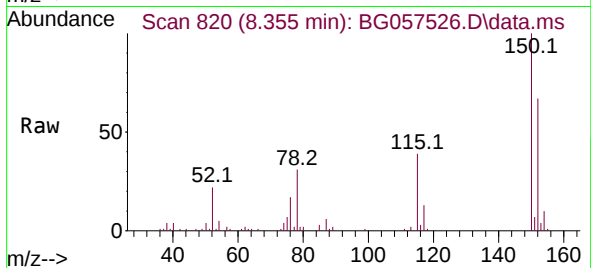
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

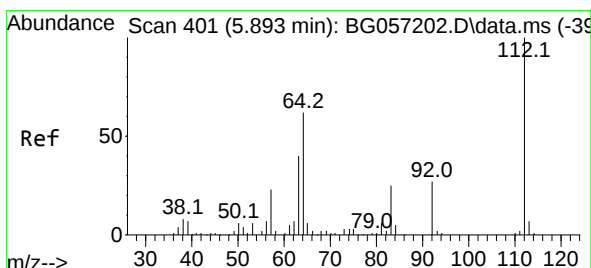
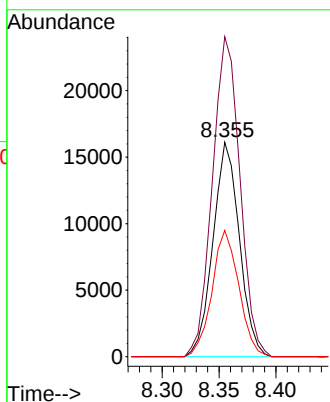
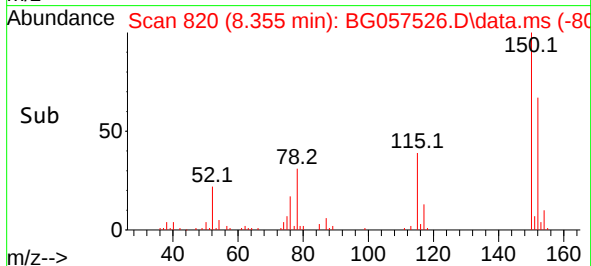
Instrument :
BNA_G
ClientSampleId :
PL-01-051923



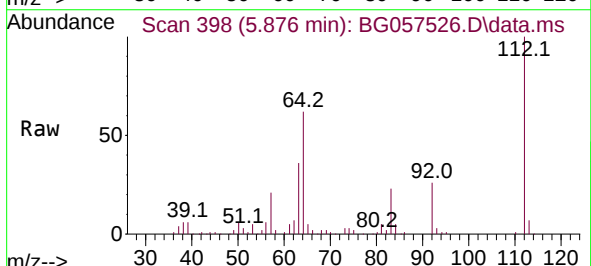
Tgt Ion:152 Resp: 26064
Ion Ratio Lower Upper
152 100
150 149.2 126.2 189.4
115 58.8 45.0 67.4

Manual Integrations
APPROVED

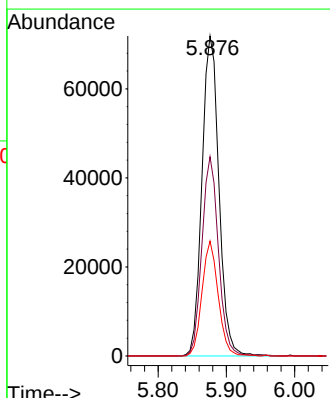
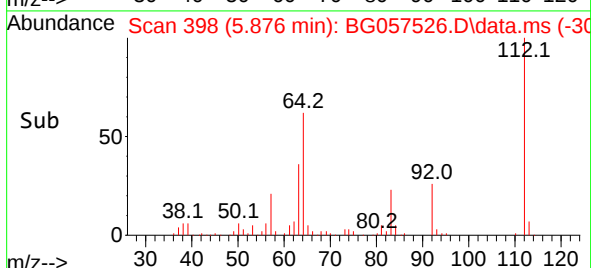
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

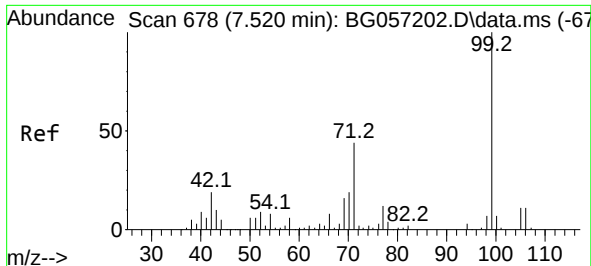


#5
2-Fluorophenol
Concen: 81.720 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22



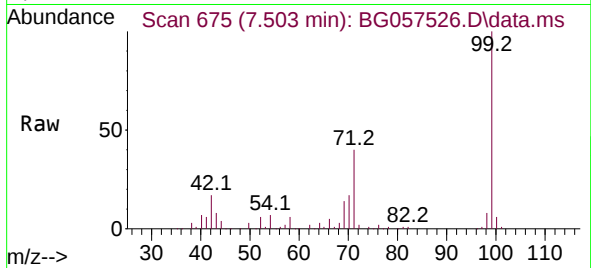
Tgt Ion:112 Resp: 124514
Ion Ratio Lower Upper
112 100
64 62.2 49.4 74.2
63 35.9 31.6 47.4





#7
Phenol-d6
Concen: 76.133 ng
RT: 7.503 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

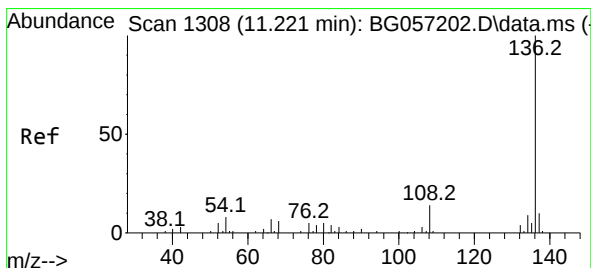
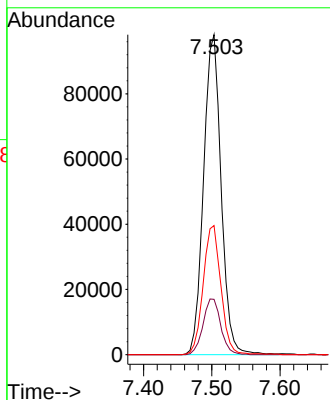
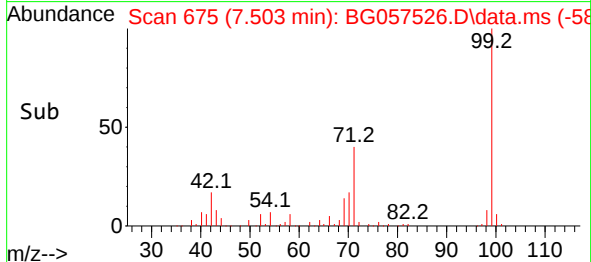
Instrument :
BNA_G
ClientSampleId :
PL-01-051923



Tgt Ion: 99 Resp: 17615
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 40.3 35.2 52.8

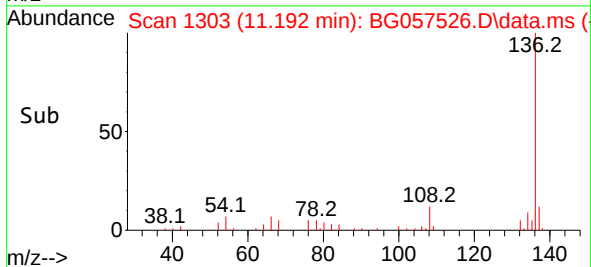
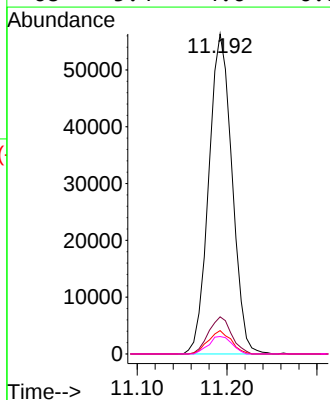
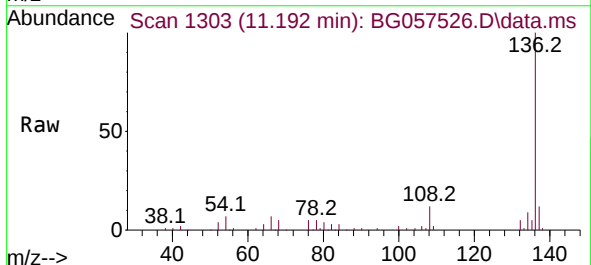
Manual Integrations
APPROVED

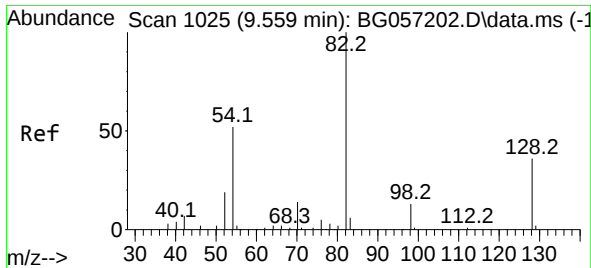
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:136 Resp: 101441
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 7.3 6.7 10.1
68 5.4 4.6 6.8





#23
Nitrobenzene-d5
Concen: 47.639 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

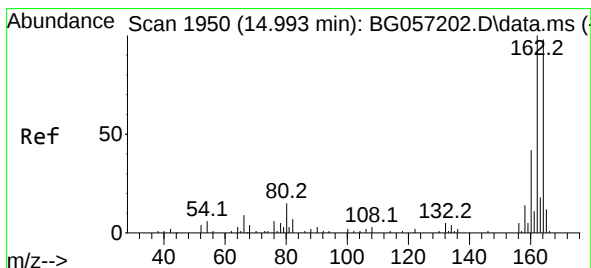
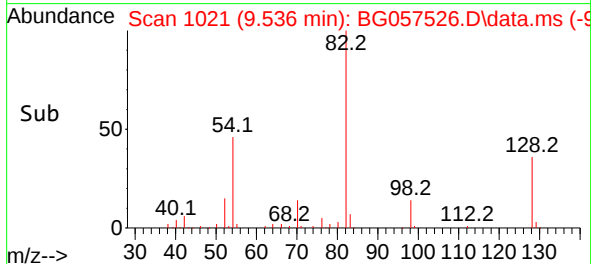
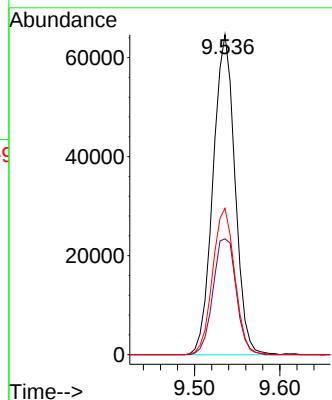
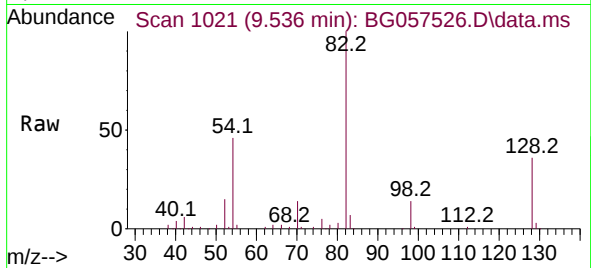
PL-01-051923

Tgt Ion: 82 Resp: 115140
Ion Ratio Lower Upper
82 100
128 36.2 29.0 43.4
54 45.8 41.4 62.0

Manual Integrations

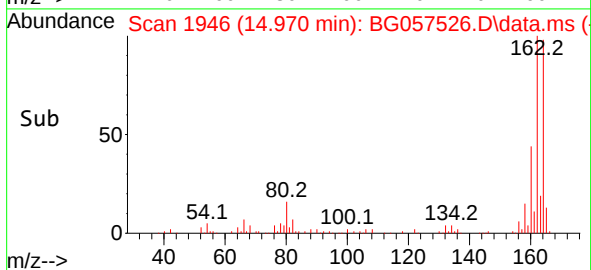
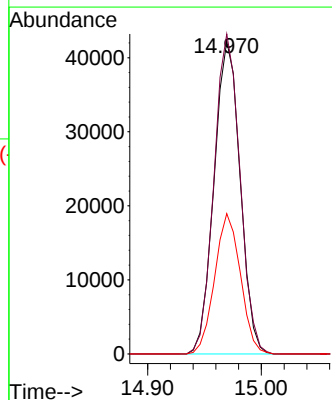
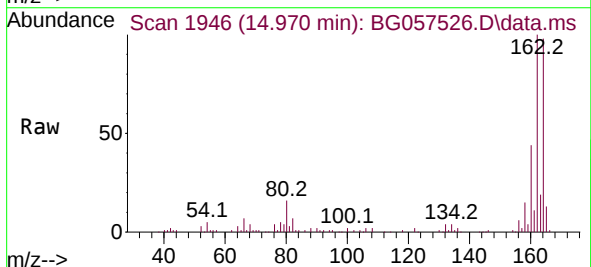
APPROVED

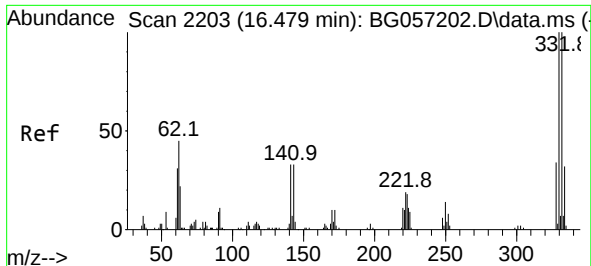
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:164 Resp: 67048
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 44.9 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 76.547 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

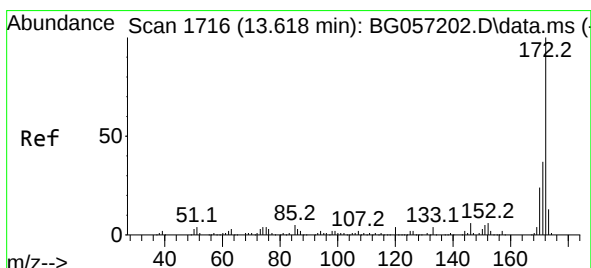
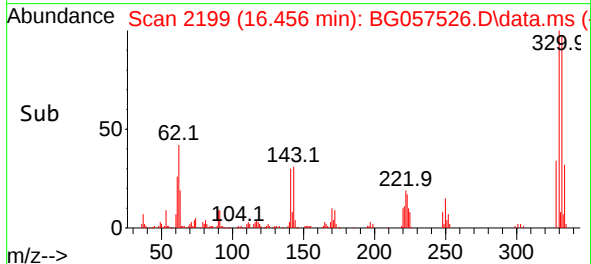
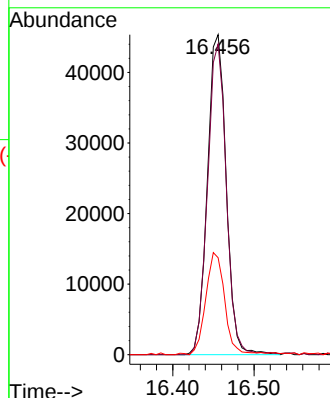
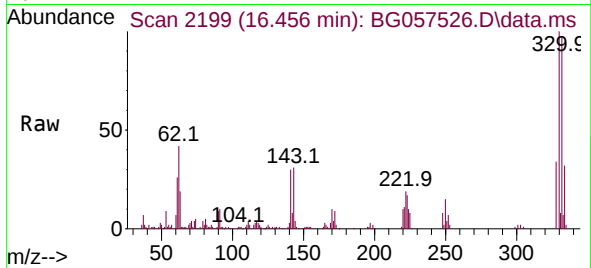
PL-01-051923

Tgt Ion:330 Resp: 7282
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 33.0 27.8 41.8

Manual Integrations

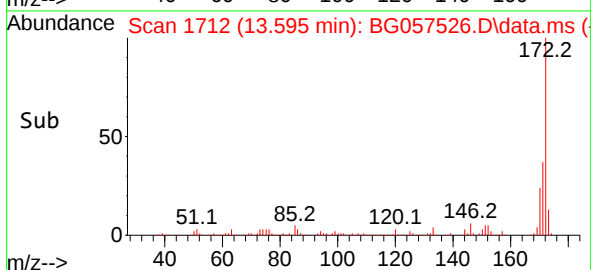
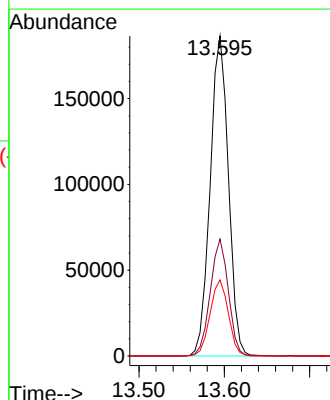
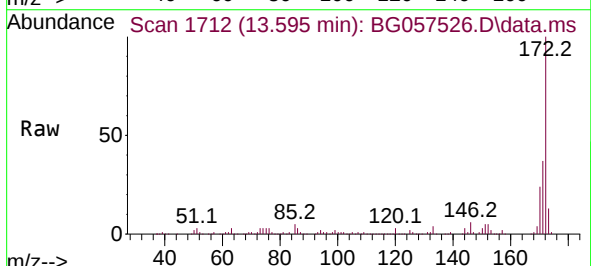
APPROVED

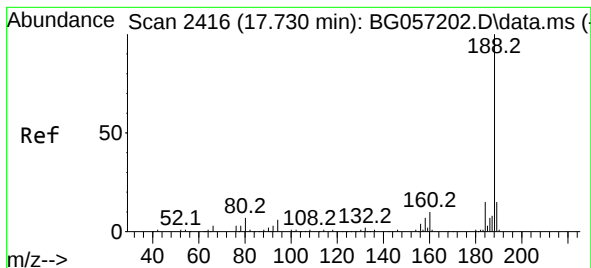
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023



#45
2-Fluorobiphenyl
Concen: 55.622 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:172 Resp: 276905
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 23.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2416

Delta R.T. -0.007 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

PL-01-051923

Tgt Ion:188 Resp: 14184

Ion Ratio Lower Upper

188 100

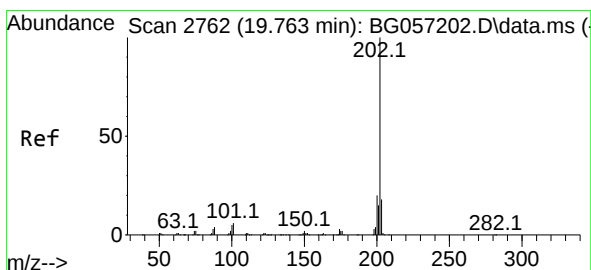
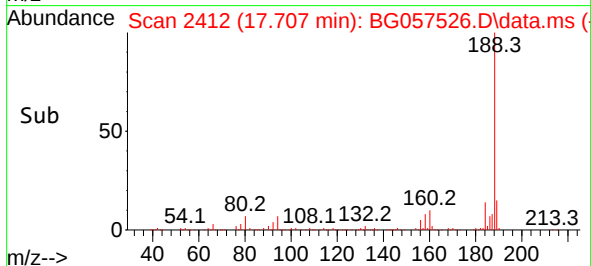
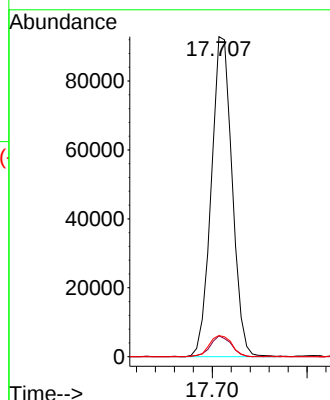
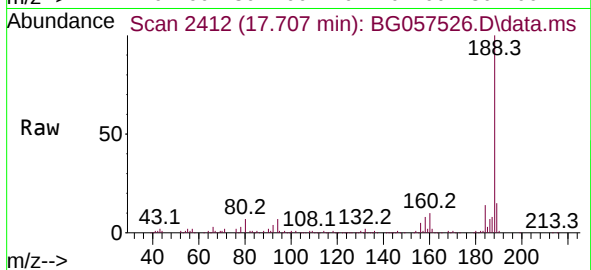
94 6.5 5.1 7.7

80 6.6 5.7 8.5

Manual Integrations

APPROVED

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



#75

Fluoranthene

Concen: 3.292 ng

RT: 19.745 min Scan# 2759

Delta R.T. -0.001 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

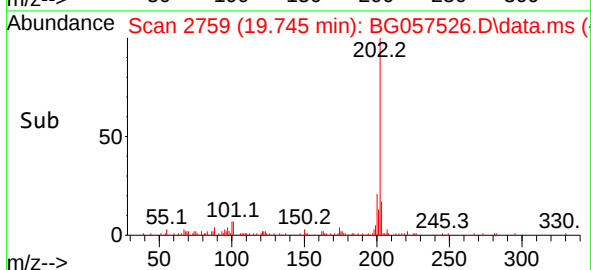
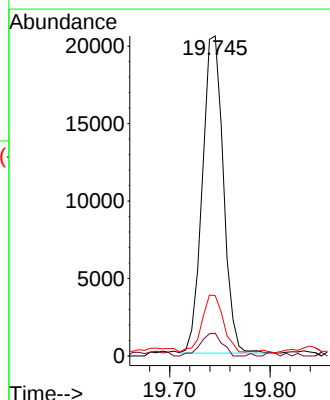
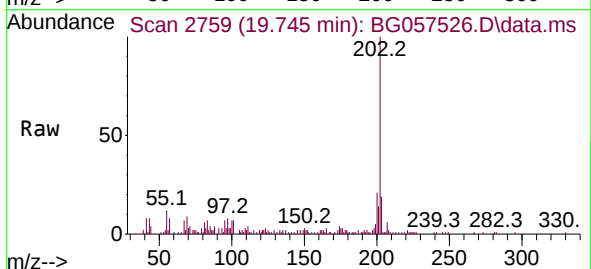
Tgt Ion:202 Resp: 29757

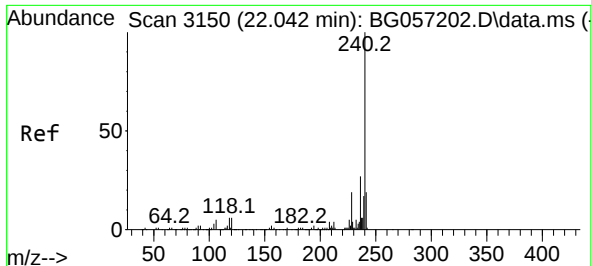
Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.2

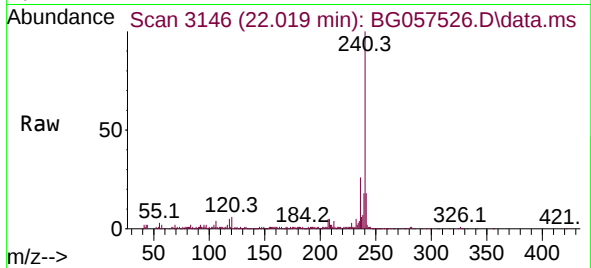
203 18.9 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3150
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

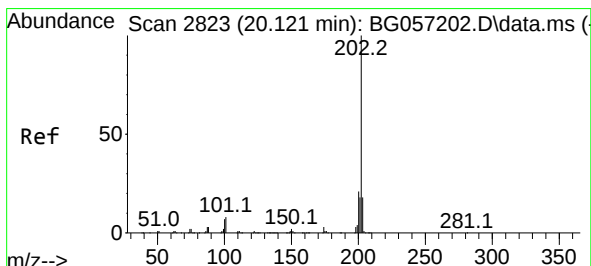
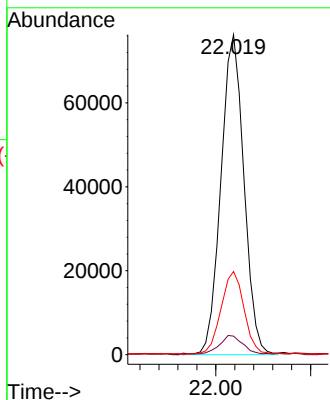
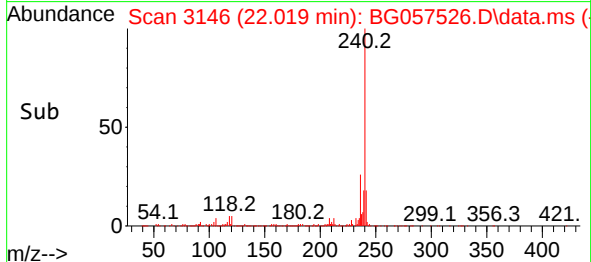
Instrument :
BNA_G
ClientSampleId :
PL-01-051923



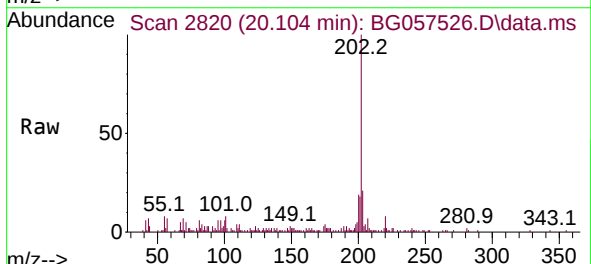
Tgt Ion:240 Resp: 12858
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 26.0 21.4 32.2

Manual Integrations
APPROVED

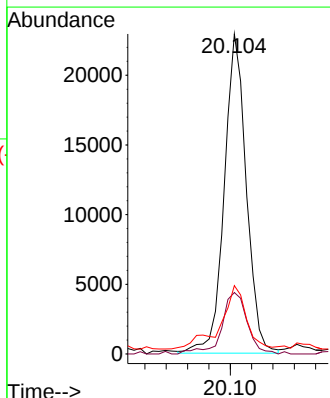
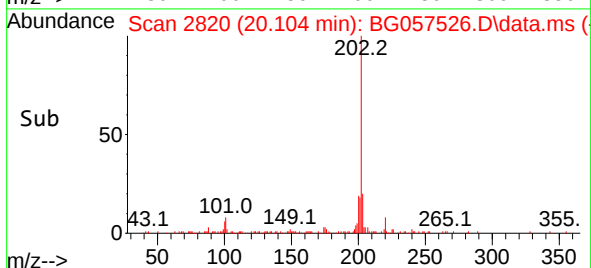
Reviewed By :Christian Giraldo 05/24/2023
Supervised By :mohammad ahmed 05/24/2023

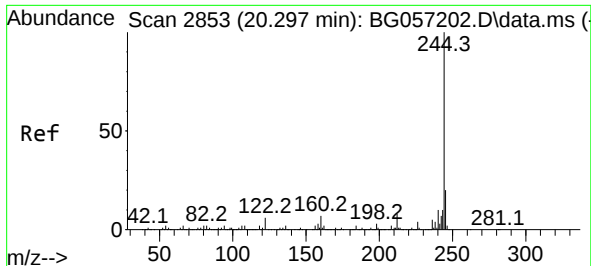


#78
Pyrene
Concen: 3.520 ng m
RT: 20.104 min Scan# 2820
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22



Tgt Ion:202 Resp: 32890
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.4
203 21.4 14.2 21.4#





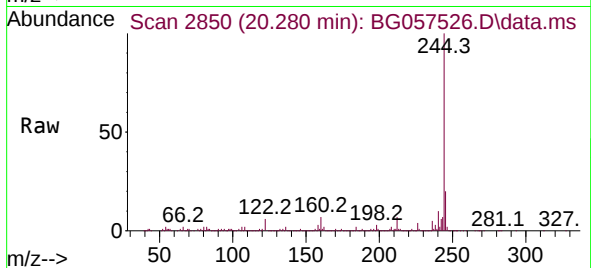
#79
 Terphenyl-d14
 Concen: 52.129 ng
 RT: 20.280 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG057526.D
 Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

PL-01-051923

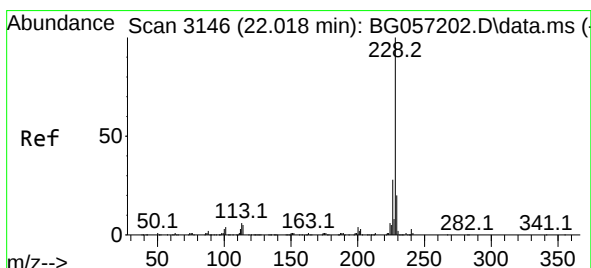
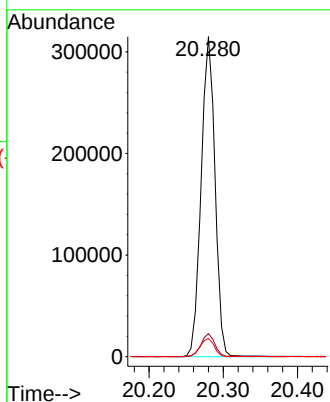
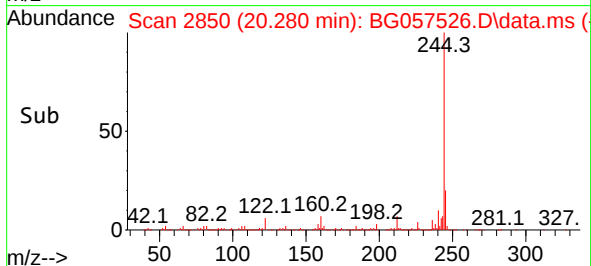


Tgt Ion:244 Resp: 410734
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 5.7 5.1 7.7

Manual Integrations

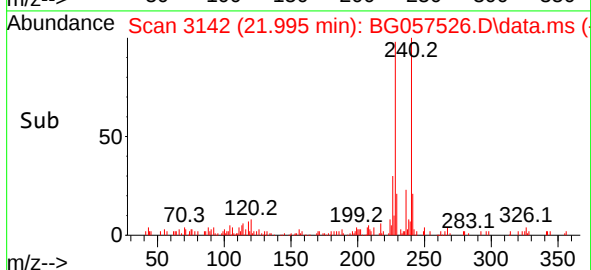
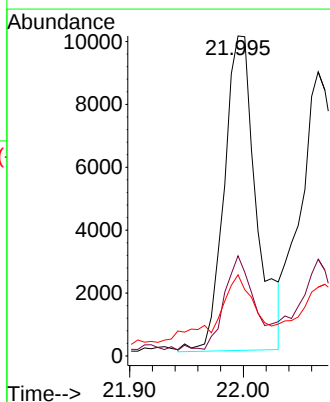
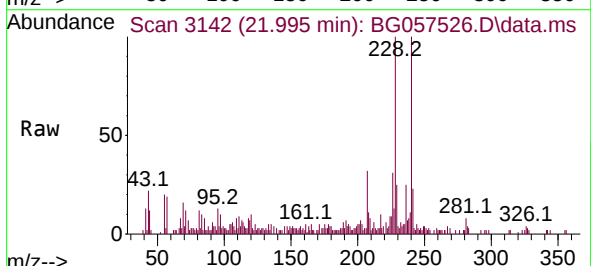
APPROVED

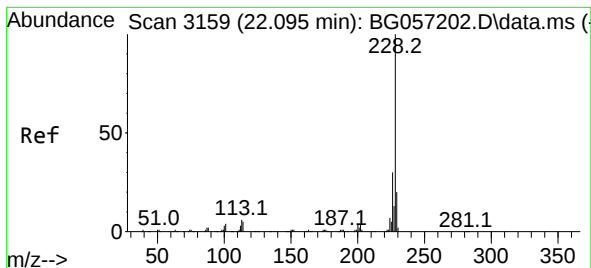
Reviewed By :Christian Giraldo 05/24/2023
 Supervised By :mohammad ahmed 05/24/2023



#81
 Benzo(a)anthracene
 Concen: 2.144 ng
 RT: 21.995 min Scan# 3142
 Delta R.T. -0.001 min
 Lab File: BG057526.D
 Acq: 23 May 2023 19:22

Tgt Ion:228 Resp: 19643
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.0 33.0
 229 25.4 15.8 23.8#





#83

Chrysene

Concen: 2.192 ng

RT: 22.066 min Scan# 3154

Delta R.T. -0.007 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

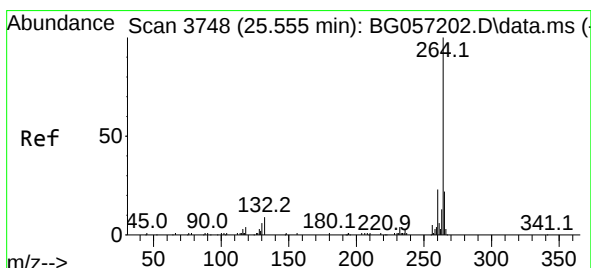
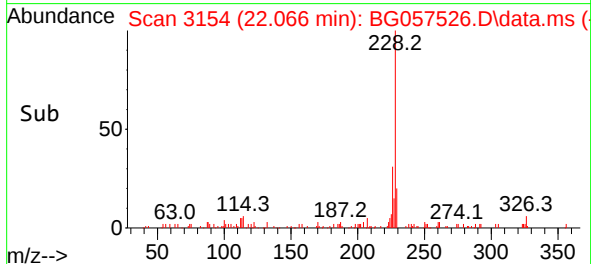
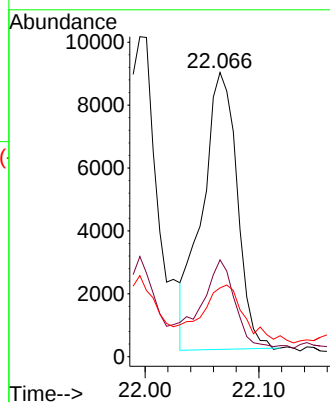
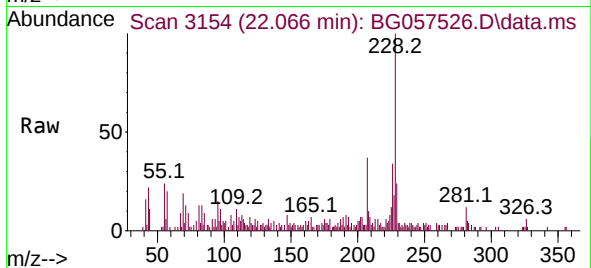
PL-01-051923

Tgt Ion:	228	Resp:	1889
Ion Ratio	Lower	Upper	
228	100		
226	34.1	24.3	36.5
229	24.2	15.9	23.9

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

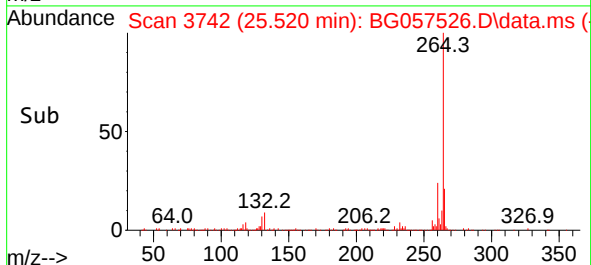
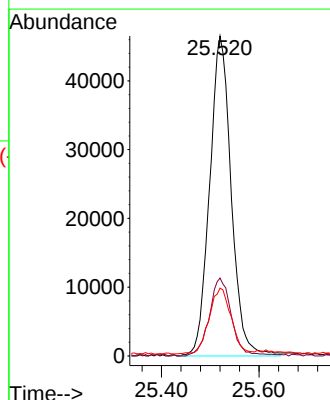
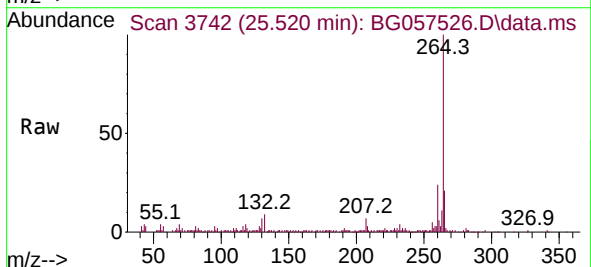
RT: 25.520 min Scan# 3742

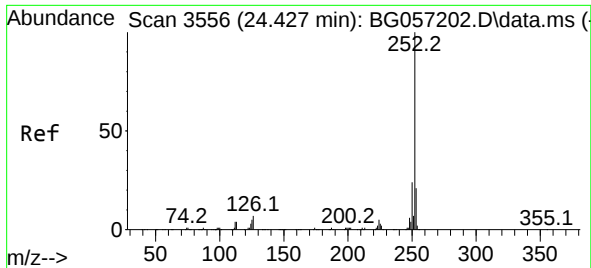
Delta R.T. 0.005 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Tgt Ion:	264	Resp:	142794
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.8	28.2
265	21.2	17.9	26.9





#88
Benzo(b)fluoranthene
Concen: 2.898 ng
RT: 24.392 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

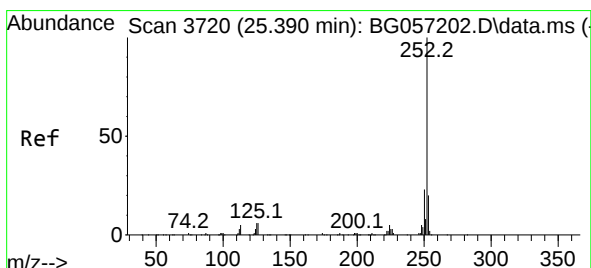
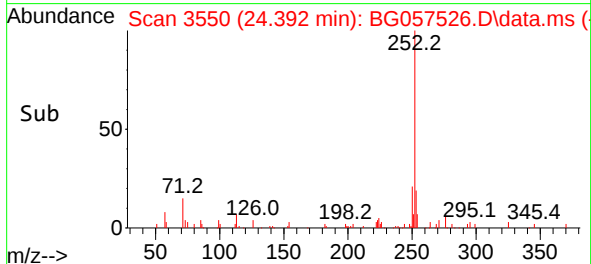
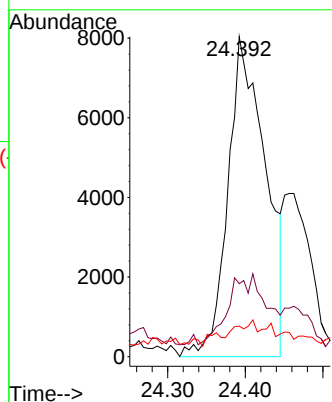
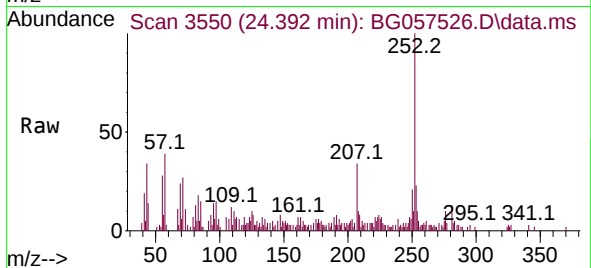
PL-01-051923

Tgt Ion:252 Resp: 27052
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.6 4.2 6.2

Manual Integrations

APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.026 ng
RT: 25.350 min Scan# 3713
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:252 Resp: 18476
Ion Ratio Lower Upper
252 100
253 31.0 16.3 24.5#
125 11.4 5.0 7.4#

