

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057616.D
 Acq On : 30 May 2023 21:37
 Operator : CG/JU
 Sample : 02955-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC22

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/31/2023
 Supervised By : Yogesh Patel 06/01/2023

Quant Time: May 31 03:30:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	27585	20.000	ng	0.00
21) Naphthalene-d8	11.180	136	117871	20.000	ng	0.00
39) Acenaphthene-d10	14.958	164	83049	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	183048	20.000	ng	0.00
76) Chrysene-d12	22.001	240	147385	20.000	ng	0.00
86) Perylene-d12	25.502	264	144584	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.864	112	171446	107.977	ng	0.00
7) Phenol-d6	7.491	99	260130	104.685	ng	0.00
23) Nitrobenzene-d5	9.524	82	171346	67.954	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	117459	88.339	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	419991	72.677	ng	0.00
79) Terphenyl-d14	20.268	244	606211	71.248	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.728	202	58133	4.780	ng	96
78) Pyrene	20.092	202	63173	6.020	ng	96
81) Benzo(a)anthracene	21.983	228	37204	3.639	ng	96
83) Chrysene	22.054	228	36342m	3.761	ng	
88) Benzo(b)fluoranthene	24.386	252	47355m	5.321	ng	
89) Benzo(k)fluoranthene	24.451	252	22180m	2.469	ng	
90) Benzo(a)pyrene	25.326	252	35283	4.065	ng	# 96

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

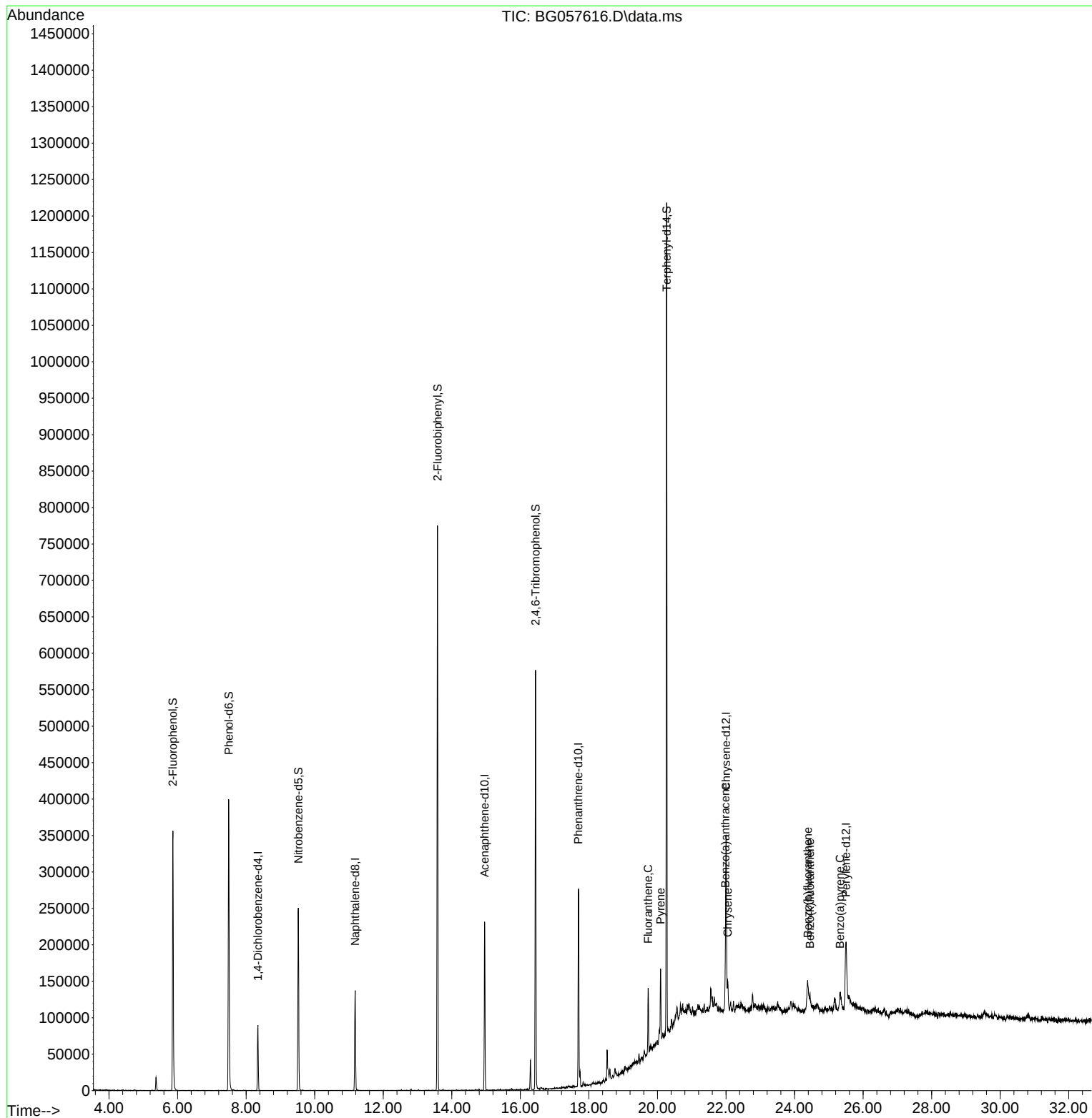
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057616.D
Acq On : 30 May 2023 21:37
Operator : CG/JU
Sample : 02955-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

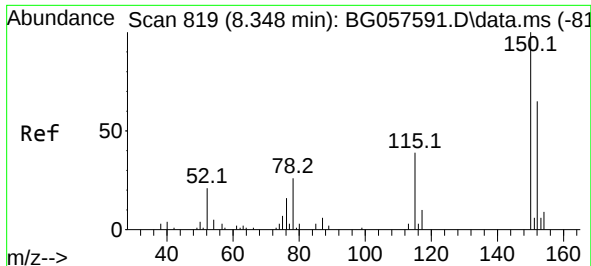
Instrument :
BNA_G
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WC22

Quant Time: May 31 03:30:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
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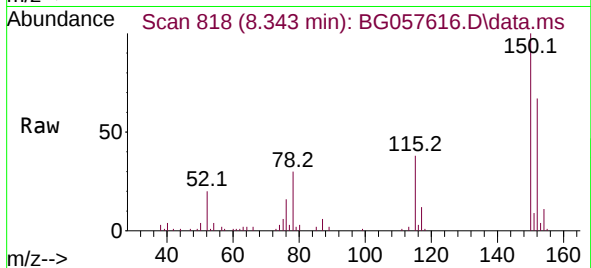
Reviewed By : Christian Giraldo 05/31/2023
Supervised By : Yogesh Patel 06/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 819
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

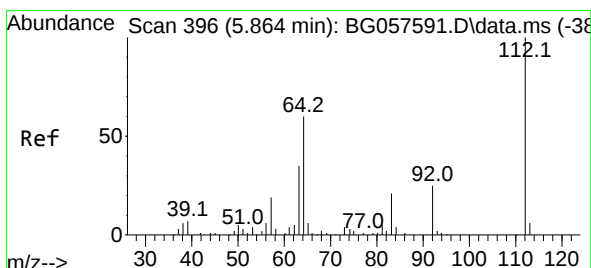
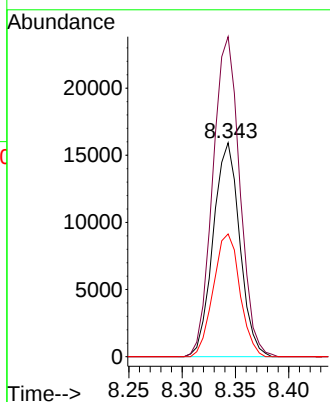
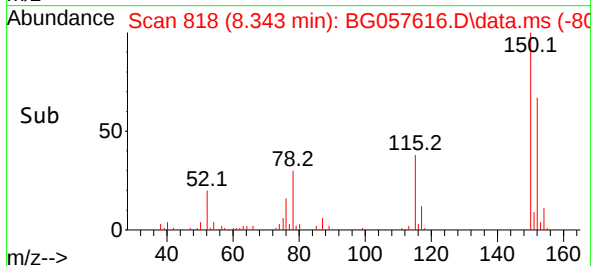
Instrument :
BNA_G
ClientSampleId :
WC22



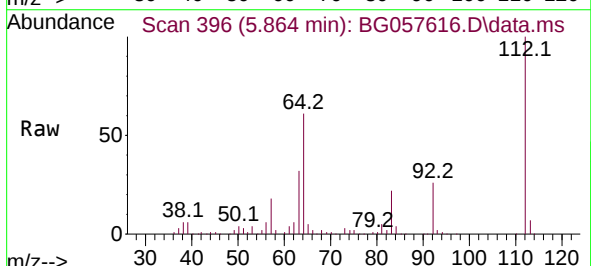
Tgt Ion:152 Resp: 2758
Ion Ratio Lower Upper
152 100
150 149.6 123.0 184.4
115 57.4 47.4 71.2

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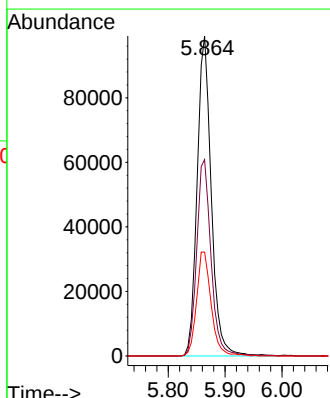
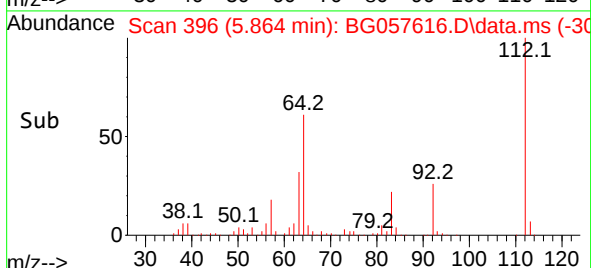
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

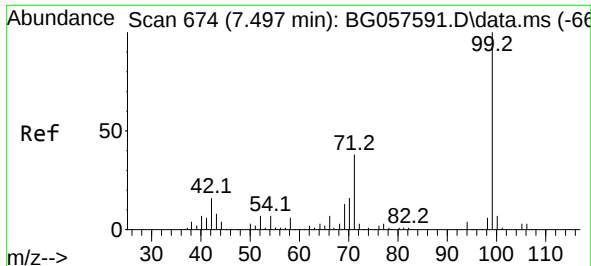


#5
2-Fluorophenol
Concen: 107.977 ng
RT: 5.864 min Scan# 396
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37



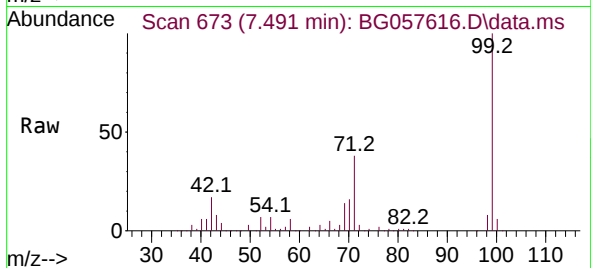
Tgt Ion:112 Resp: 171446
Ion Ratio Lower Upper
112 100
64 61.4 47.8 71.6
63 32.5 27.8 41.8





#7
Phenol-d6
Concen: 104.685 ng
RT: 7.491 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

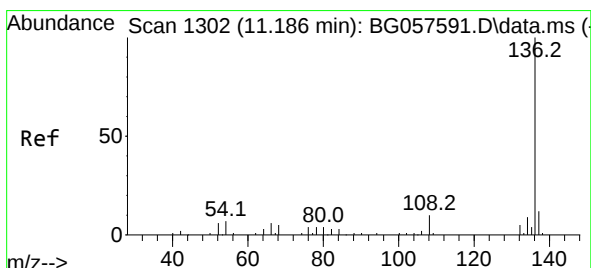
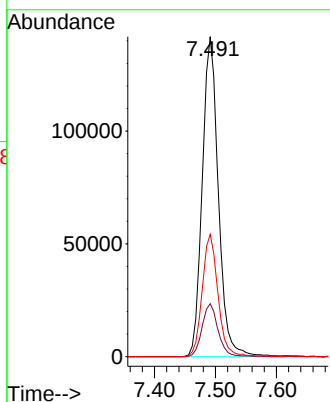
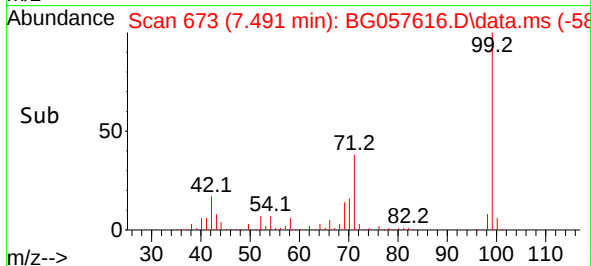
Instrument :
BNA_G
ClientSampleId :
WC22



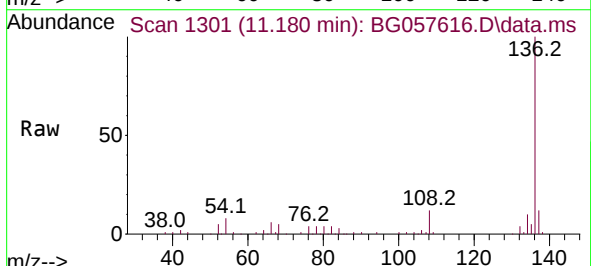
Tgt Ion: 99 Resp: 260130
Ion Ratio Lower Upper
99 100
42 16.5 12.8 19.2
71 38.2 30.3 45.5

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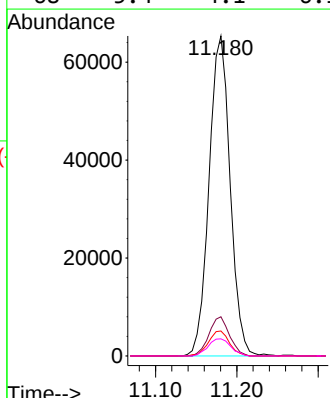
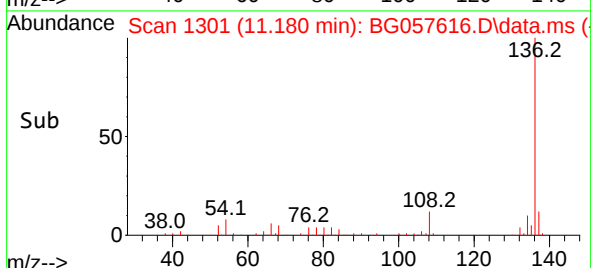
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

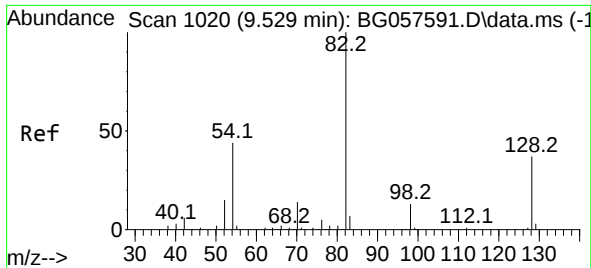


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 1301
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37



Tgt Ion:136 Resp: 117871
Ion Ratio Lower Upper
136 100
137 12.3 9.8 14.8
54 7.8 5.8 8.6
68 5.4 4.1 6.1





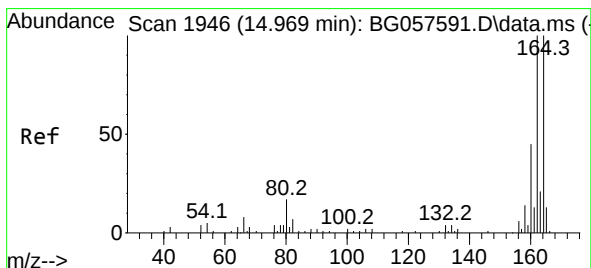
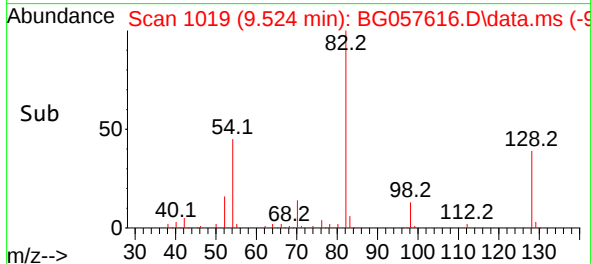
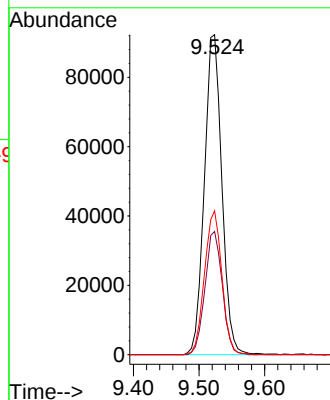
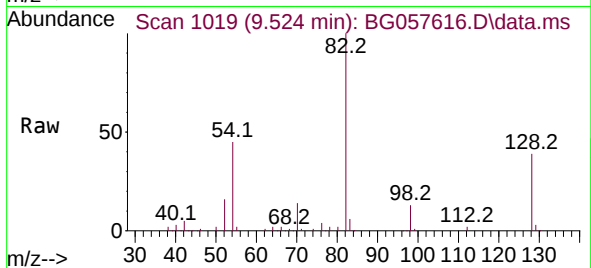
#23
Nitrobenzene-d5
Concen: 67.954 ng
RT: 9.524 min Scan# 1019
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 171340
Ion Ratio Lower Upper
82 100
128 38.5 30.0 45.0
54 45.0 35.2 52.8

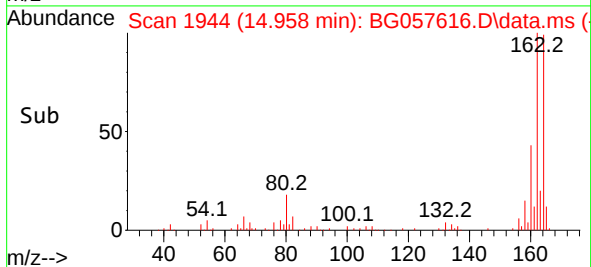
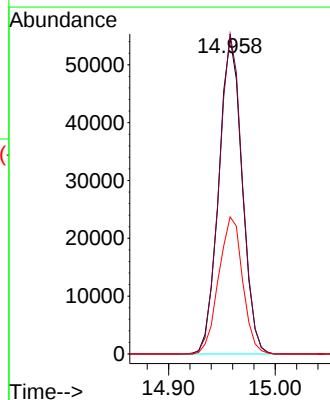
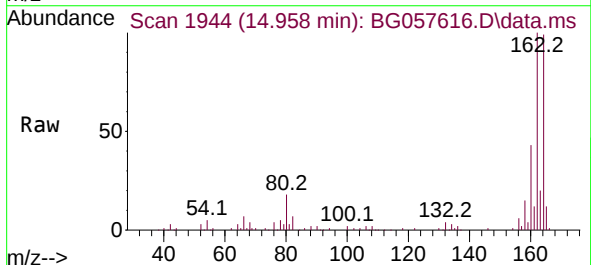
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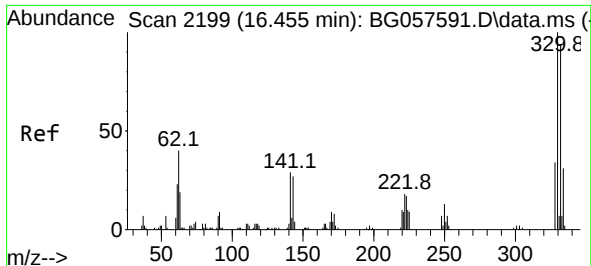
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1944
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

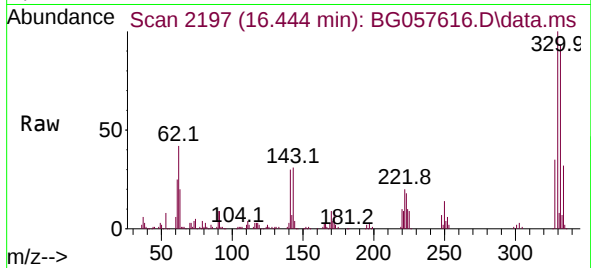
Tgt Ion:164 Resp: 83049
Ion Ratio Lower Upper
164 100
162 101.3 80.1 120.1
160 43.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 88.339 ng
RT: 16.444 min Scan# 2197
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

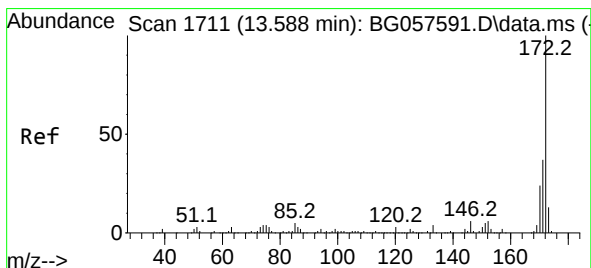
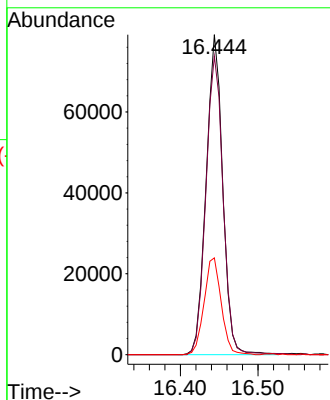
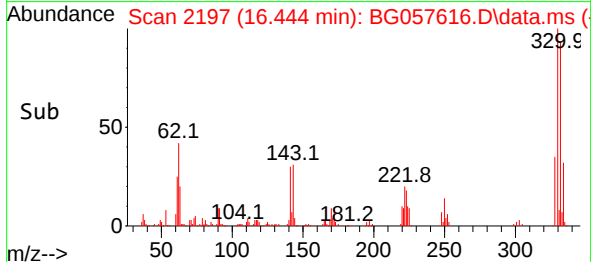
Instrument :
BNA_G
ClientSampleId :
WC22



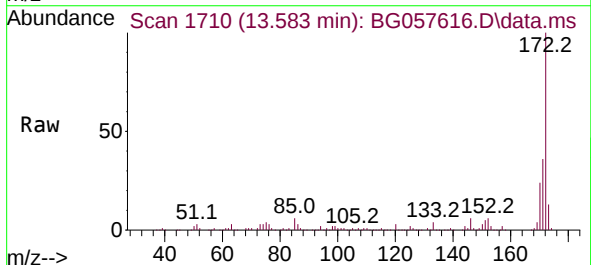
Tgt Ion:330 Resp: 117459
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 31.3 24.6 37.0

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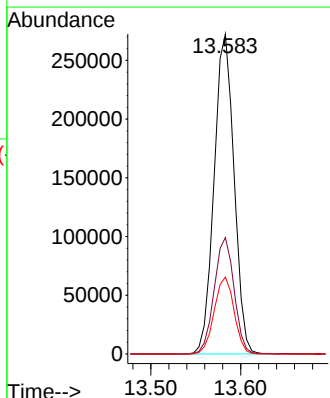
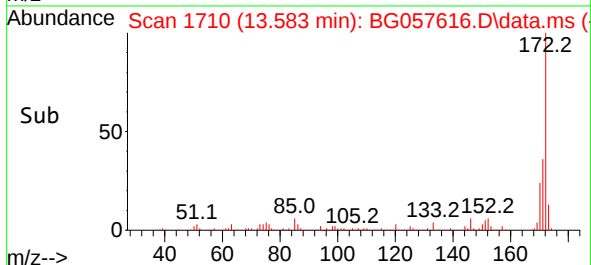
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

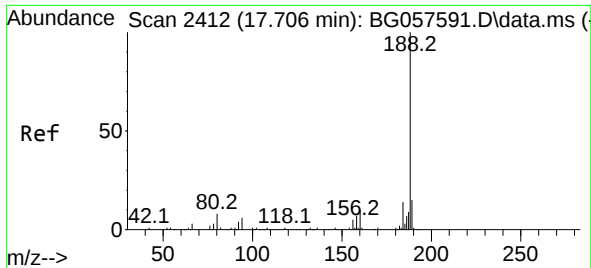


#45
2-Fluorobiphenyl
Concen: 72.677 ng
RT: 13.583 min Scan# 1710
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37



Tgt Ion:172 Resp: 419991
Ion Ratio Lower Upper
172 100
171 36.4 29.2 43.8
170 24.1 19.0 28.4





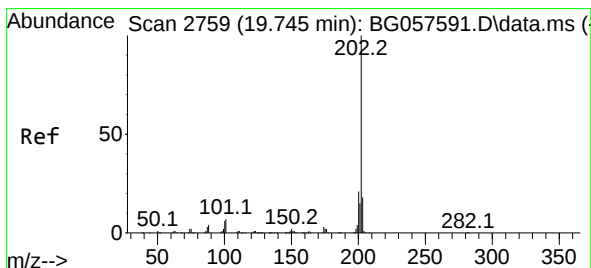
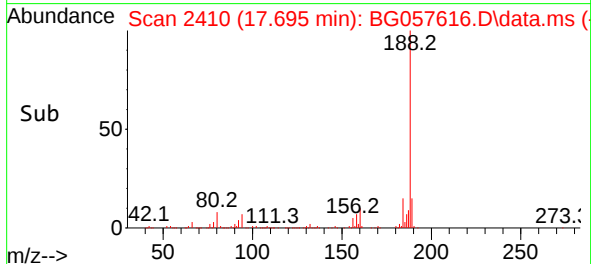
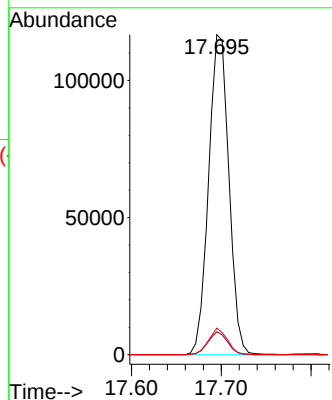
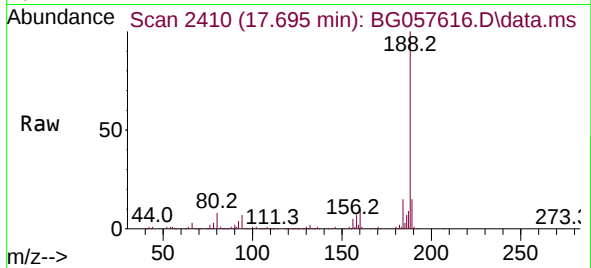
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2412
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Instrument :
BNA_G
ClientSampleId :
WC22

Tgt Ion:188 Resp: 18304
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 8.3 6.7 10.1

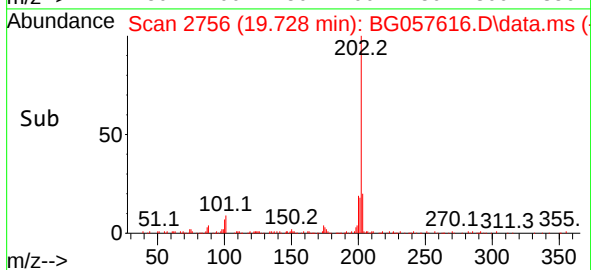
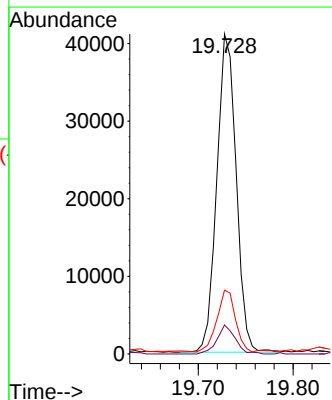
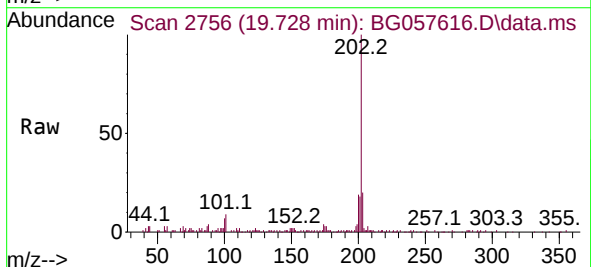
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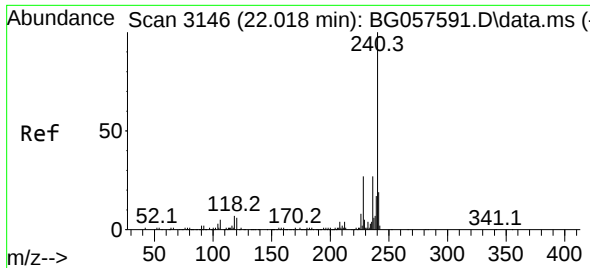
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#75
Fluoranthene
Concen: 4.780 ng
RT: 19.728 min Scan# 2756
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

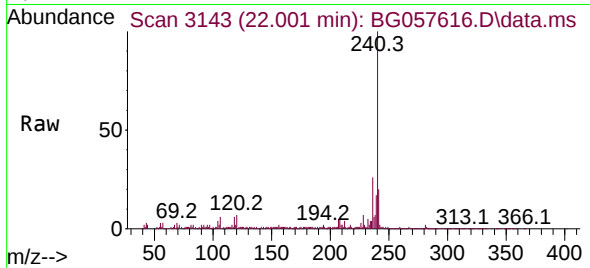
Tgt Ion:202 Resp: 58133
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.5
203 19.9 0.0 38.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.001 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

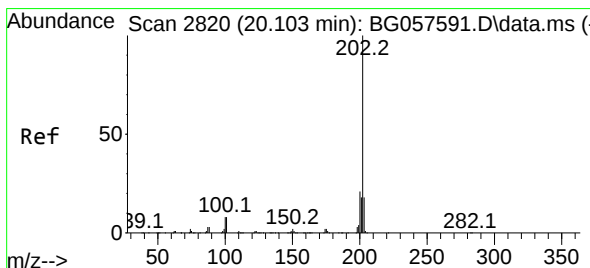
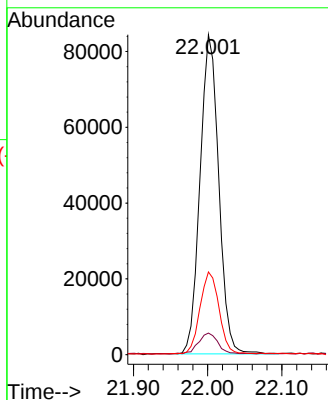
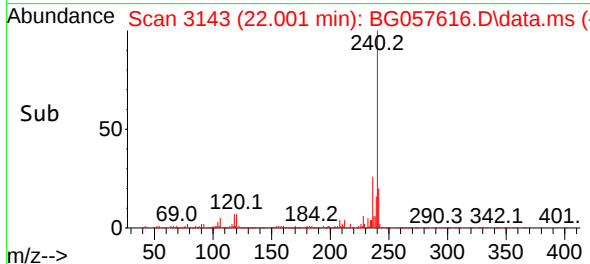
Instrument :
BNA_G
ClientSampleId :
WC22



Tgt Ion:240 Resp: 147385
Ion Ratio Lower Upper
240 100
120 6.8 5.2 7.8
236 25.8 21.4 32.0

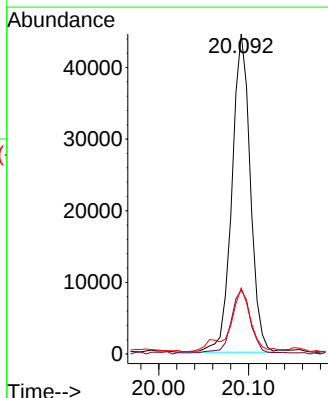
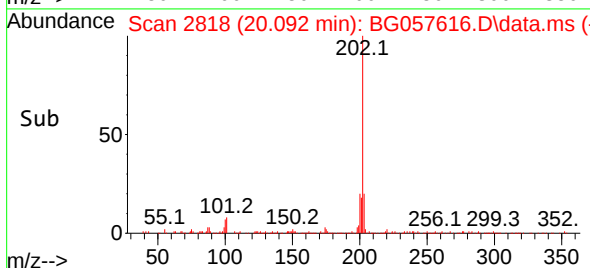
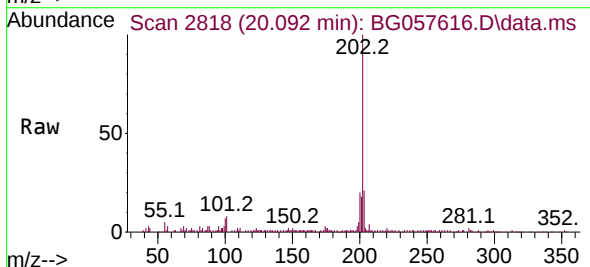
Manual Integrations
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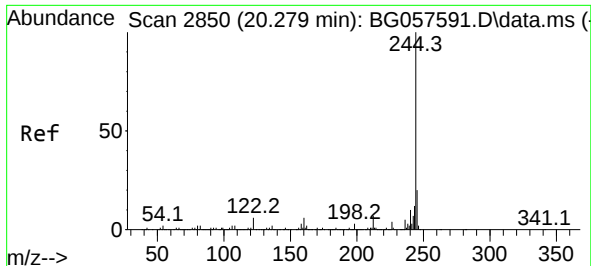
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#78
Pyrene
Concen: 6.020 ng
RT: 20.092 min Scan# 2818
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:202 Resp: 63173
Ion Ratio Lower Upper
202 100
200 20.0 16.8 25.2
203 20.6 14.5 21.7





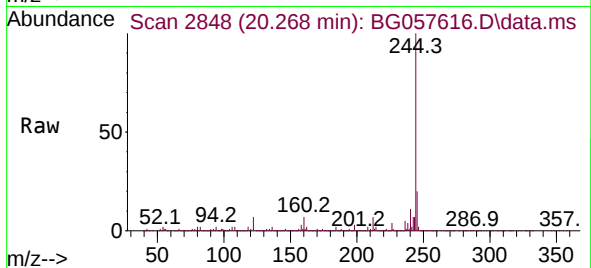
#79
 Terphenyl-d14
 Concen: 71.248 ng
 RT: 20.268 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG057616.D
 Acq: 30 May 2023 21:37

Instrument :

BNA_G

ClientSampleId :

WC22

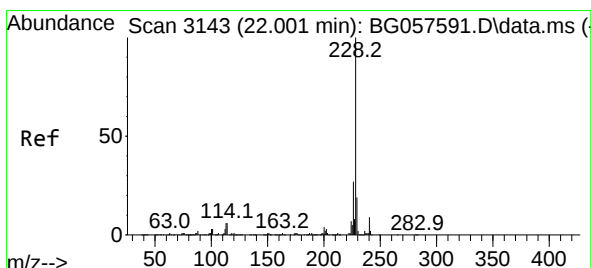
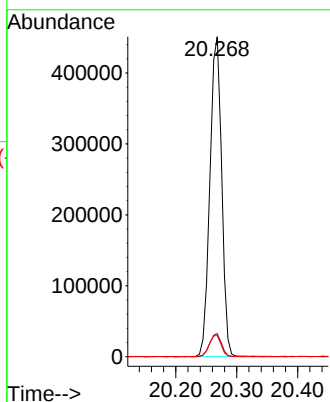
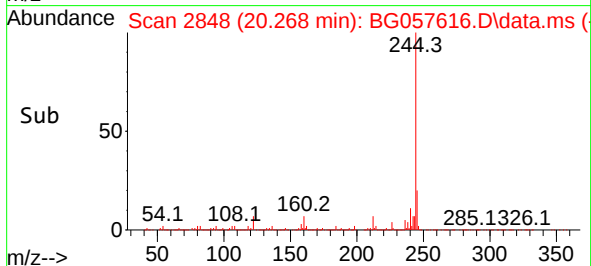


Tgt Ion:244 Resp: 60621
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 6.6 4.8 7.2

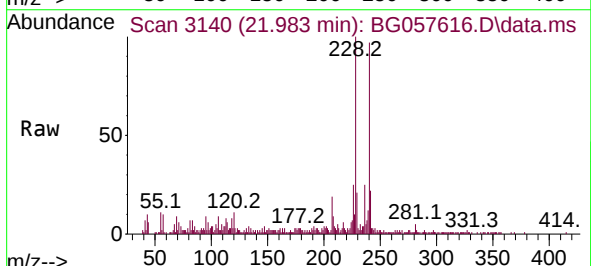
Manual Integrations

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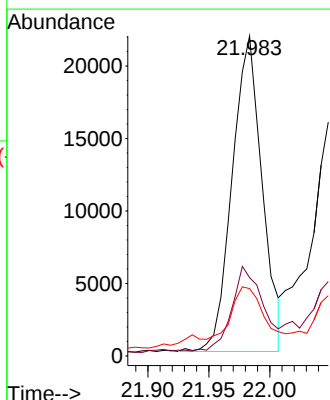
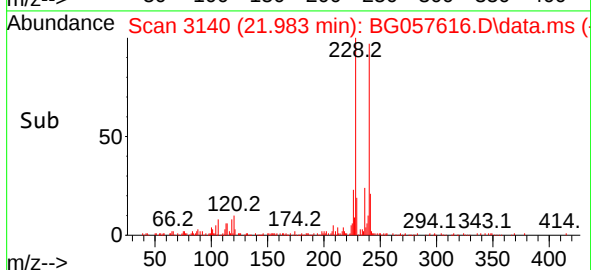
Reviewed By :Christian Giraldo 05/31/2023
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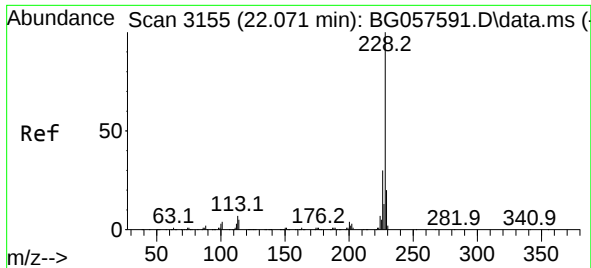


#81
 Benzo(a)anthracene
 Concen: 3.639 ng
 RT: 21.983 min Scan# 3140
 Delta R.T. 0.005 min
 Lab File: BG057616.D
 Acq: 30 May 2023 21:37



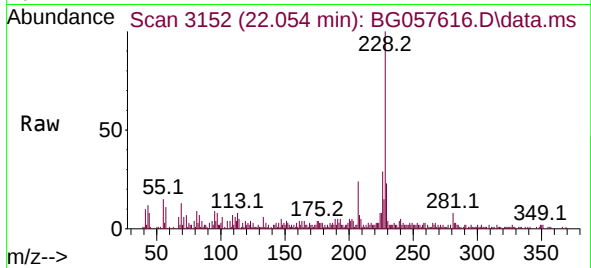
Tgt Ion:228 Resp: 37204
 Ion Ratio Lower Upper
 228 100
 226 24.5 21.4 32.0
 229 21.1 15.4 23.2





#83
Chrysene
Concen: 3.761 ng m
RT: 22.054 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

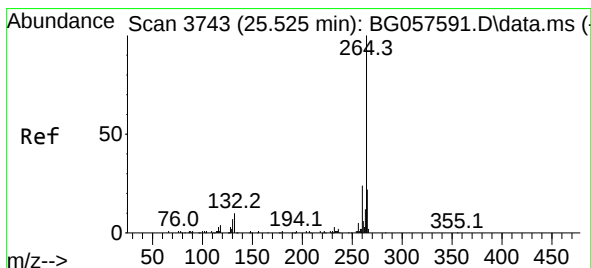
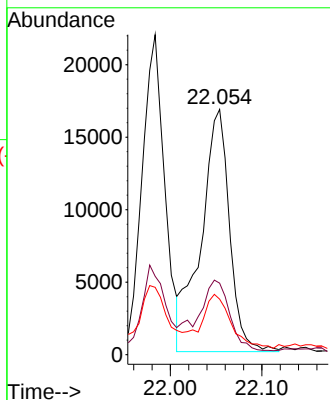
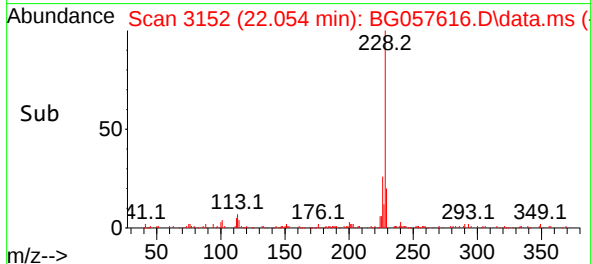
Instrument :
BNA_G
ClientSampleId :
WC22



Tgt Ion:228 Resp: 3634
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 22.6 16.0 24.0

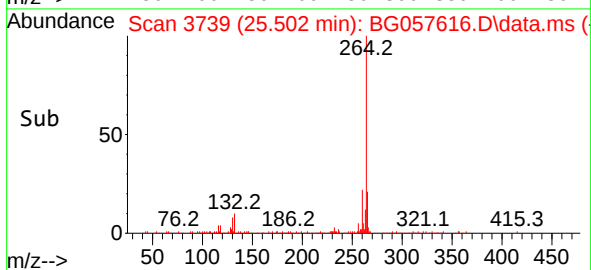
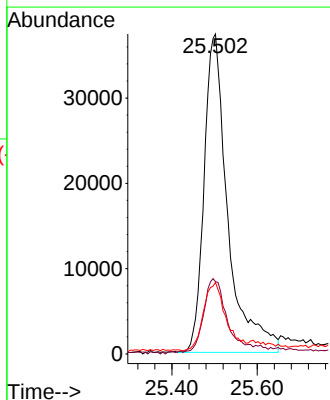
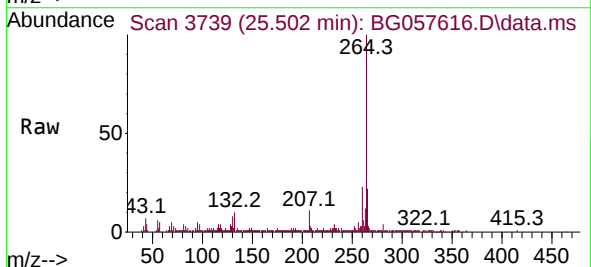
Manual Integrations
APPROVED

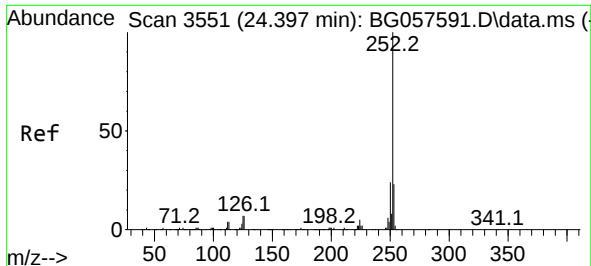
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.502 min Scan# 3739
Delta R.T. 0.011 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

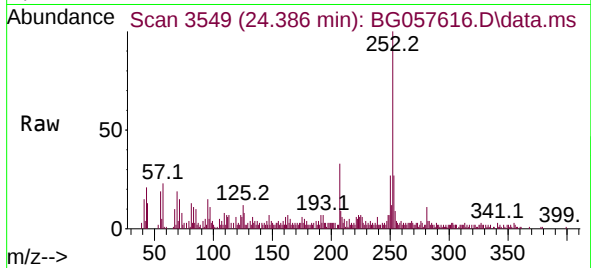
Tgt Ion:264 Resp: 144584
Ion Ratio Lower Upper
264 100
260 22.6 19.1 28.7
265 22.4 17.7 26.5





#88
Benzo(b)fluoranthene
Concen: 5.321 ng m
RT: 24.386 min Scan# 3549
Delta R.T. 0.011 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

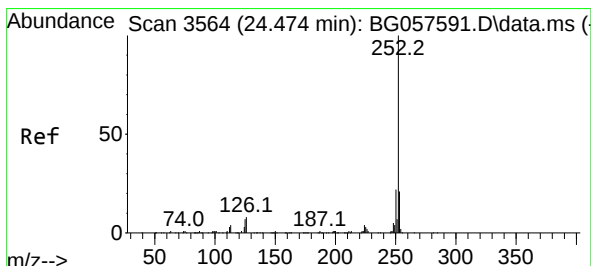
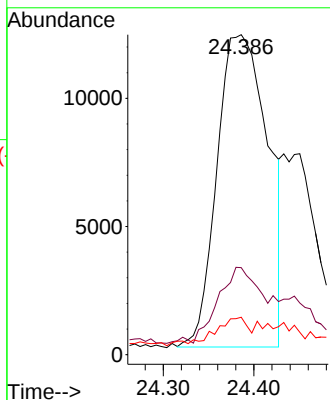
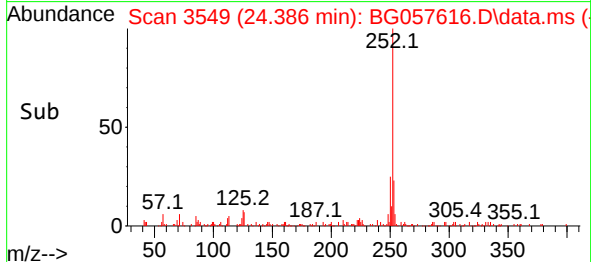
Instrument :
BNA_G
ClientSampleId :
WC22



Tgt Ion:252 Resp: 4735
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 11.7 5.2 7.8

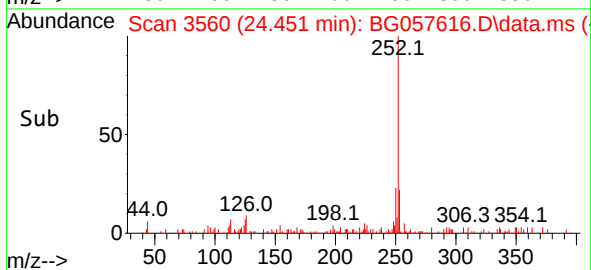
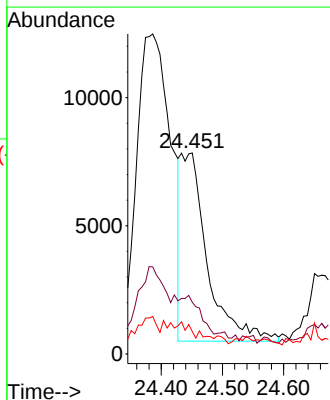
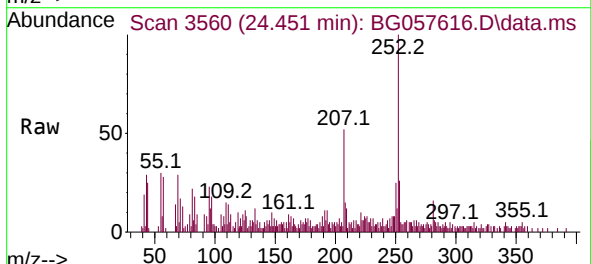
Manual Integrations
APPROVED

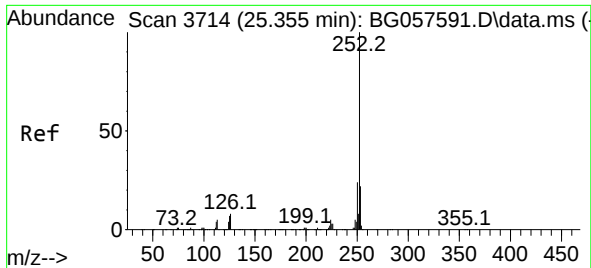
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#89
Benzo(k)fluoranthene
Concen: 2.469 ng m
RT: 24.451 min Scan# 3560
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

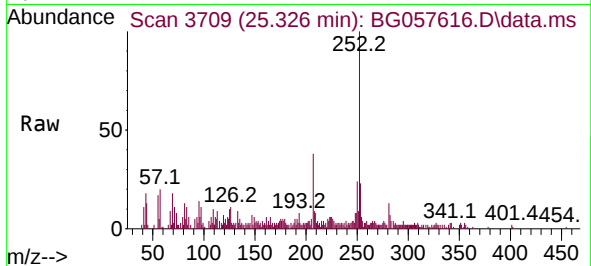
Tgt Ion:252 Resp: 22180
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 11.1 5.1 7.7#





#90
Benzo(a)pyrene
Concen: 4.065 ng
RT: 25.326 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Instrument :
BNA_G
ClientSampleId :
WC22



Tgt Ion:252 Resp: 3528
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 9.9 5.3 7.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

