

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057505.D
 Acq On : 22 May 2023 22:47
 Operator : CG/JU
 Sample : 02871-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-367

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/23/2023
 Supervised By : Jagrut Upadhyay 05/23/2023

Quant Time: May 23 04:08:28 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	22055	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	86494	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	62467	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	144856	20.000	ng	0.00
76) Chrysene-d12	22.013	240	132151	20.000	ng	0.00
86) Perylene-d12	25.515	264	142004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	105769	82.036	ng	0.00
7) Phenol-d6	7.498	99	156972	80.175	ng	0.00
23) Nitrobenzene-d5	9.530	82	99627	48.343	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	71215	80.347	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	253350	54.623	ng	-0.01
79) Terphenyl-d14	20.275	244	435484	53.778	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	15.035	154	12376	3.537	ng	98
55) Dibenzofuran	15.364	168	22003	3.742	ng	95
58) Fluorene	16.010	166	28846	5.956	ng	95
71) Phenanthrene	17.754	178	257293	34.663	ng	100
75) Fluoranthene	19.740	202	270336	29.283	ng	98
78) Pyrene	20.104	202	187676	19.544	ng	99
81) Benzo(a)anthracene	21.996	228	61572	6.540	ng	99
83) Chrysene	22.066	228	62402	7.044	ng	98
87) Indeno(1,2,3-cd)pyrene	29.533	276	27025	2.611	ng	# 97
88) Benzo(b)fluoranthene	24.392	252	62692	6.754	ng	# 98
89) Benzo(k)fluoranthene	24.451	252	24613m	2.609	ng	
90) Benzo(a)pyrene	25.344	252	39916	4.401	ng	# 98
92) Benzo(g,h,i)perylene	30.813	276	25447	3.024	ng	97

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

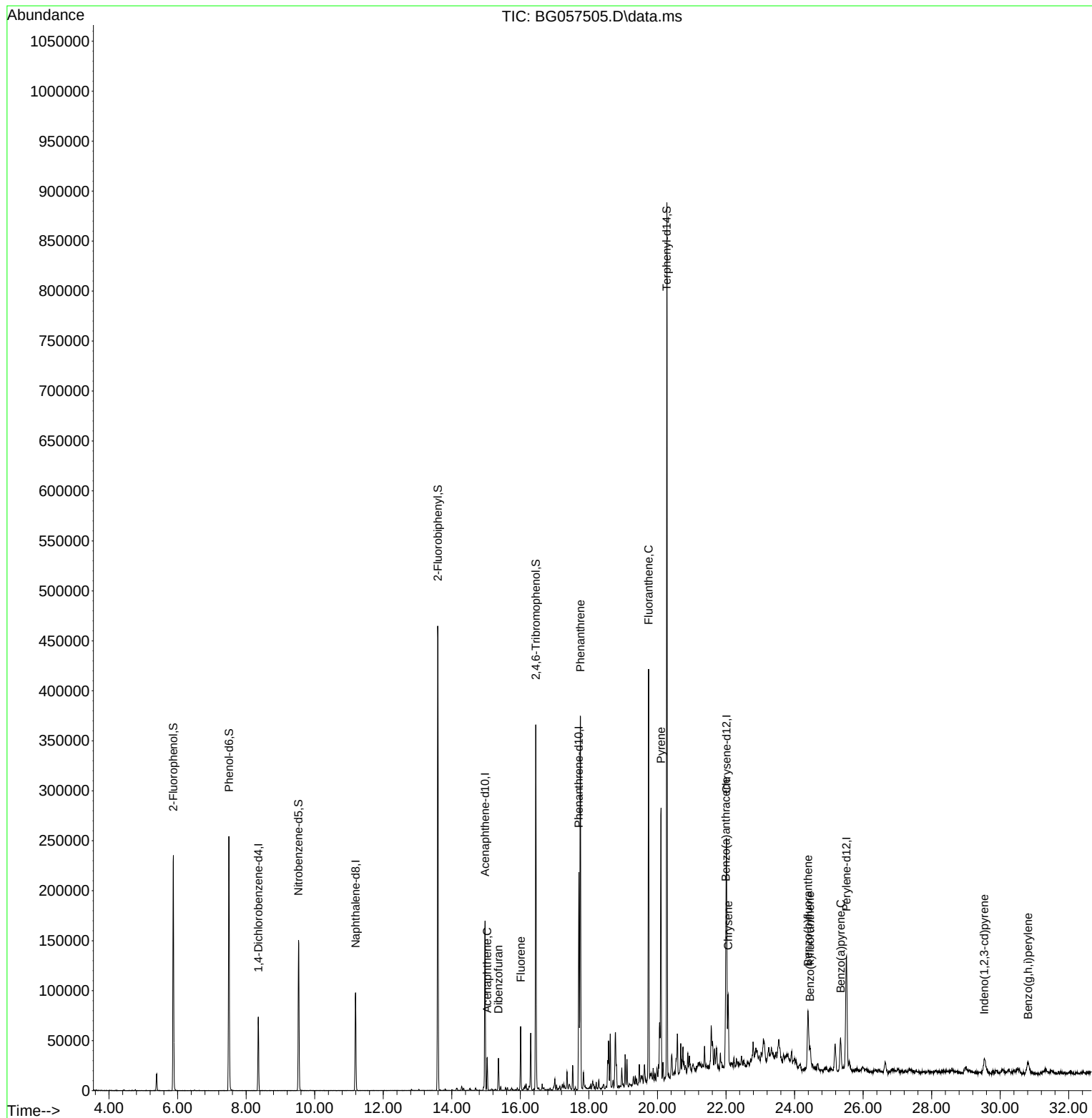
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057505.D
Acq On : 22 May 2023 22:47
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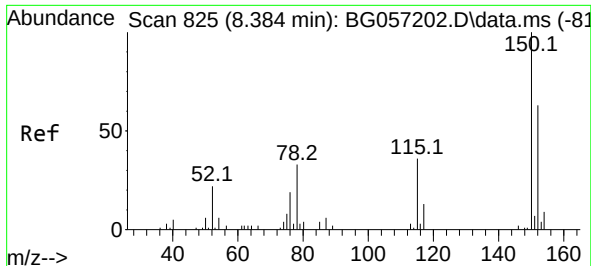
Instrument :
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Quant Time: May 23 04:08:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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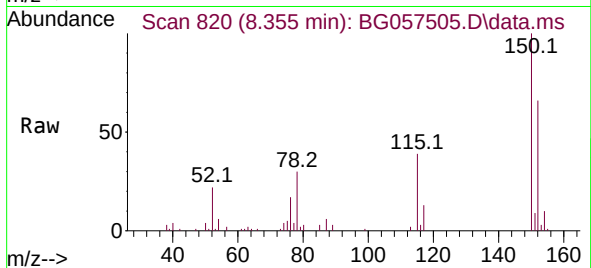
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

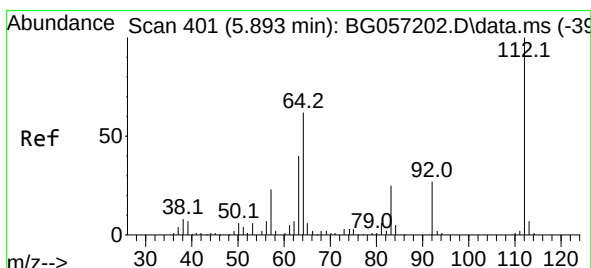
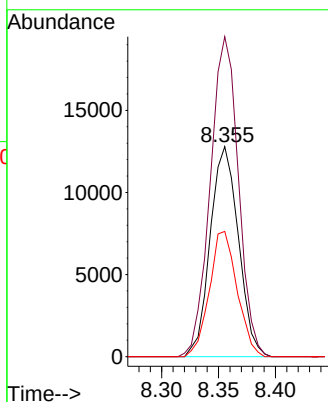
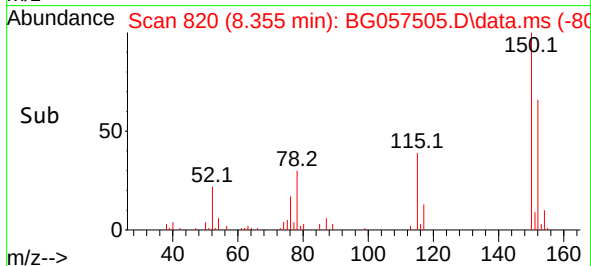
Instrument :
BNA_G
ClientSampleId :
ETGI-367



Tgt Ion:152 Resp: 2205
Ion Ratio Lower Upper
152 100
150 152.3 126.2 189.4
115 59.6 45.0 67.4

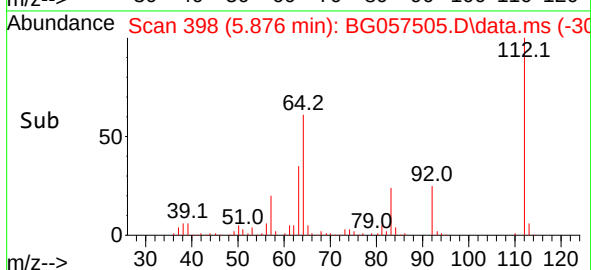
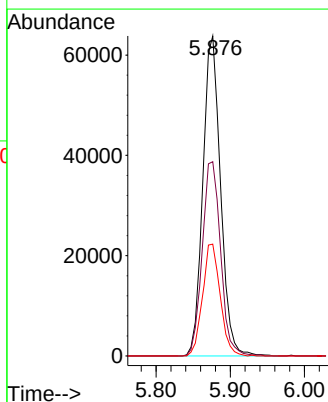
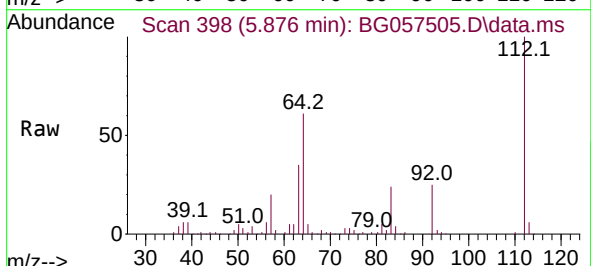
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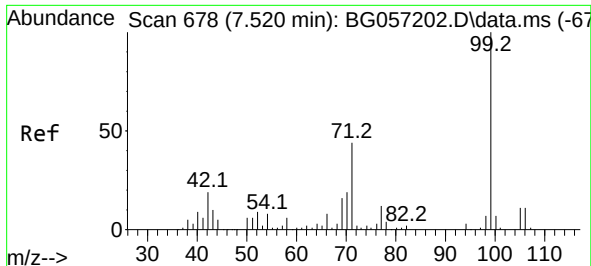
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#5
2-Fluorophenol
Concen: 82.036 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

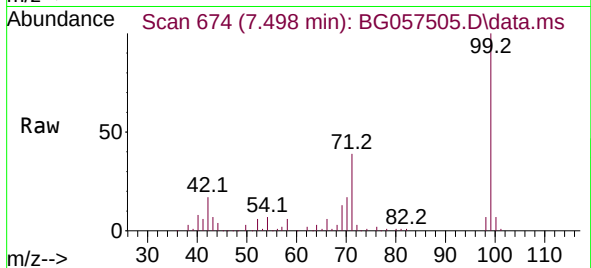
Tgt Ion:112 Resp: 105769
Ion Ratio Lower Upper
112 100
64 60.7 49.4 74.2
63 35.0 31.6 47.4





#7
Phenol-d6
Concen: 80.175 ng
RT: 7.498 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

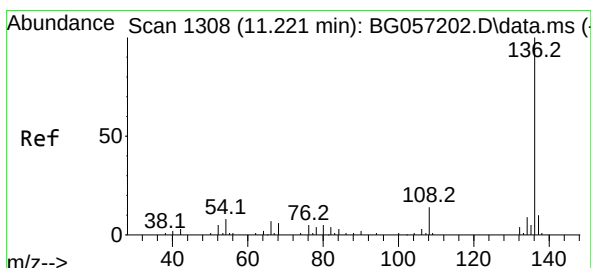
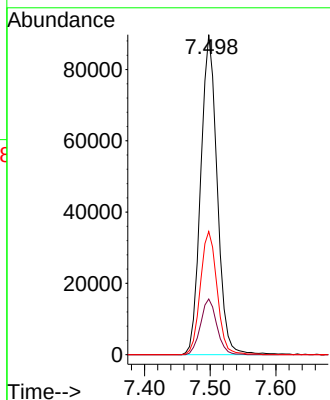
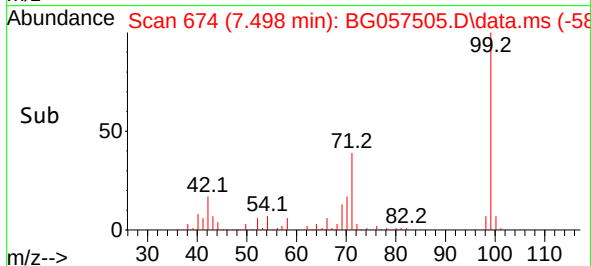
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 156972
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 38.5 35.2 52.8

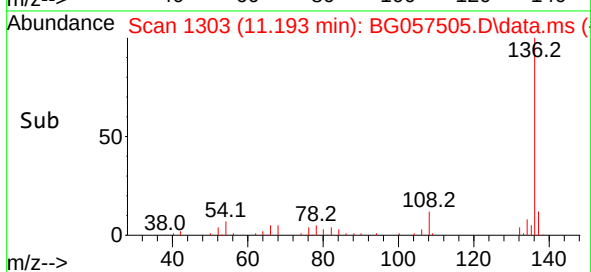
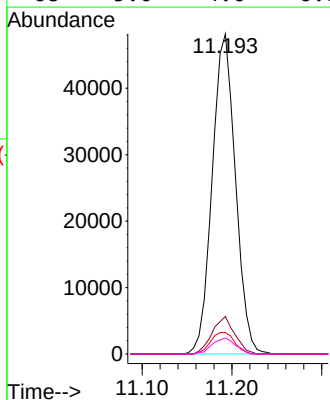
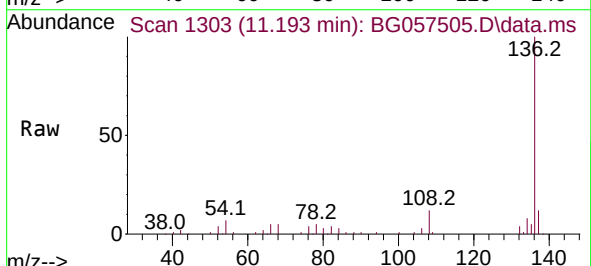
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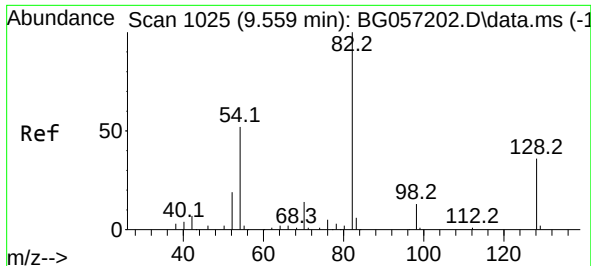
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

Tgt Ion:136 Resp: 86494
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 6.7 6.7 10.1#
68 5.0 4.6 6.8





#23
Nitrobenzene-d5
Concen: 48.343 ng
RT: 9.530 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

Instrument :

BNA_G

ClientSampleId :

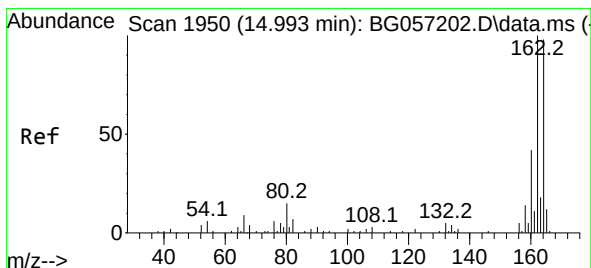
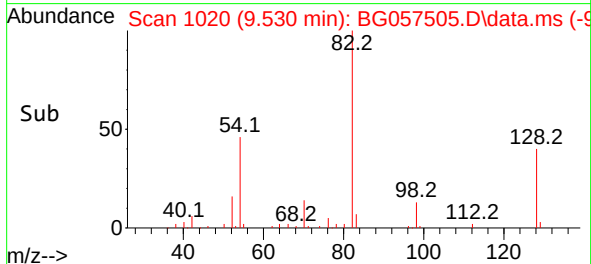
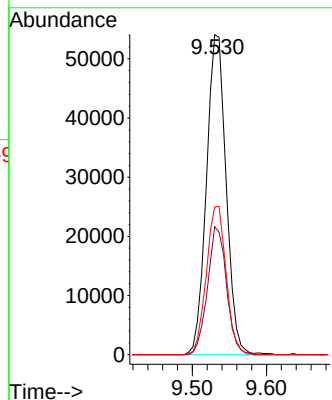
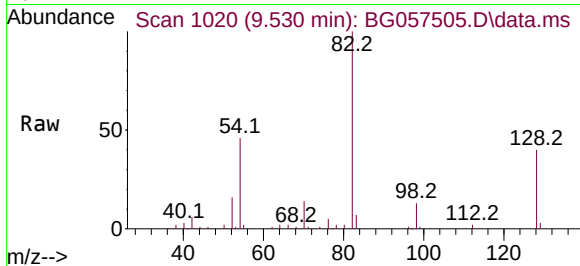
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Tgt Ion: 82 Resp: 9962
Ion Ratio Lower Upper
82 100
128 40.0 29.0 43.4
54 46.2 41.4 62.0

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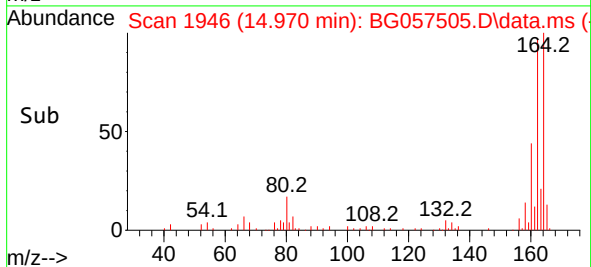
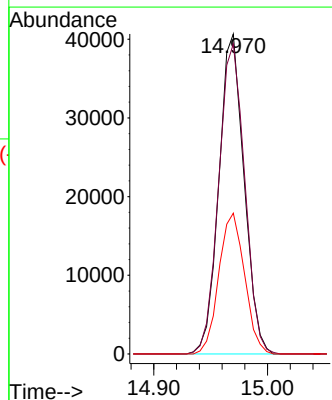
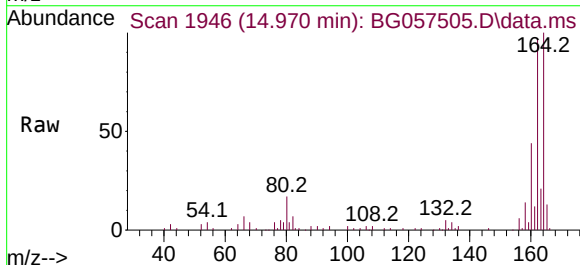
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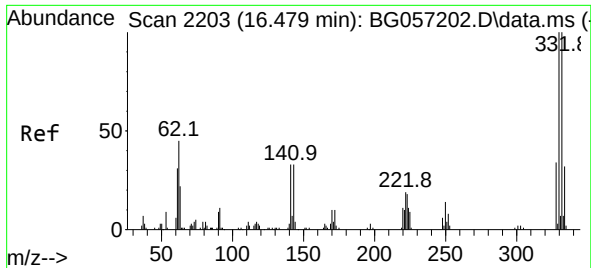
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

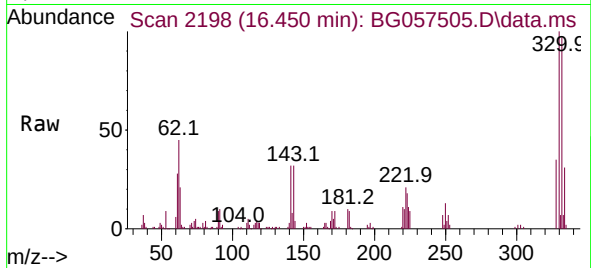
Tgt Ion:164 Resp: 62467
Ion Ratio Lower Upper
164 100
162 96.9 81.8 122.6
160 44.0 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 80.347 ng
RT: 16.450 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

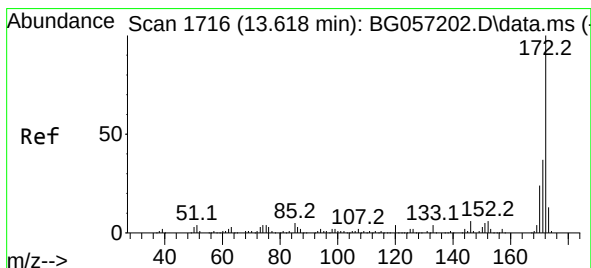
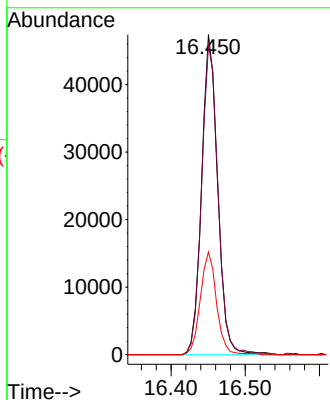
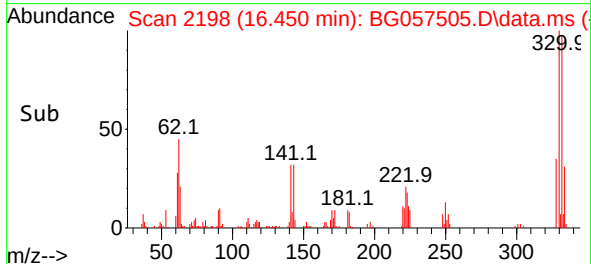
Instrument :
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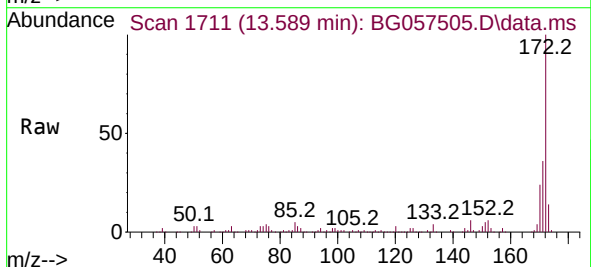
Tgt Ion:330 Resp: 71215
Ion Ratio Lower Upper
330 100
332 98.9 78.2 117.2
141 32.4 27.8 41.8

Manual Integrations
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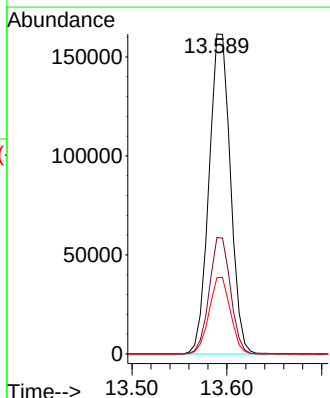
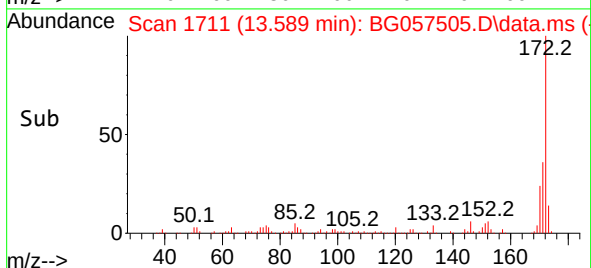
Reviewed By :Christian Giraldo 05/23/2023
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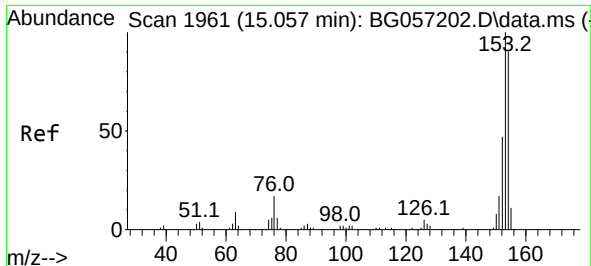


#45
2-Fluorobiphenyl
Concen: 54.623 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47



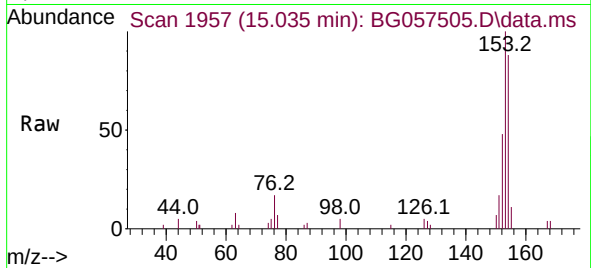
Tgt Ion:172 Resp: 253350
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.9 19.0 28.6





#52
Acenaphthene
Concen: 3.537 ng
RT: 15.035 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

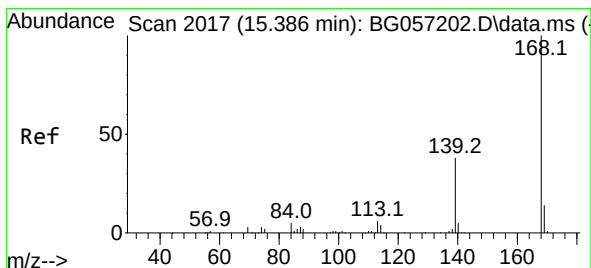
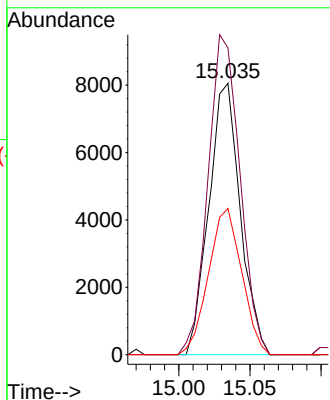
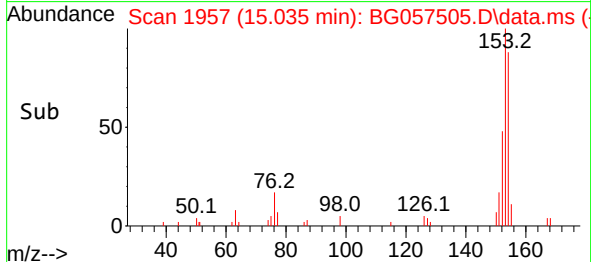
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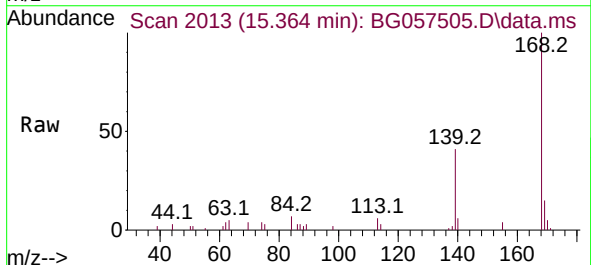
Tgt Ion:154 Resp: 12370
Ion Ratio Lower Upper
154 100
153 113.0 89.3 133.9
152 53.9 41.7 62.5

Manual Integrations
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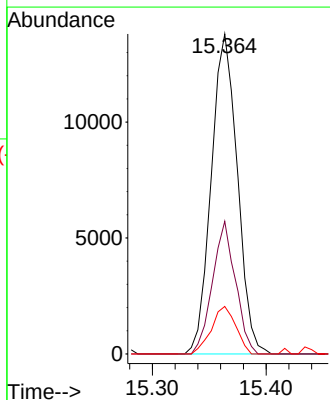
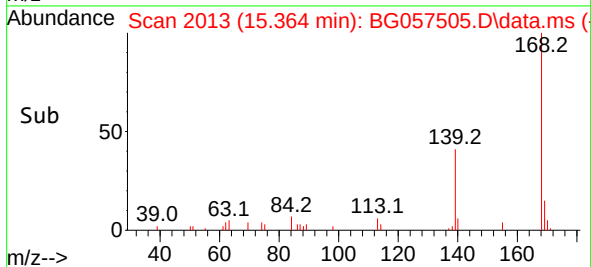
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

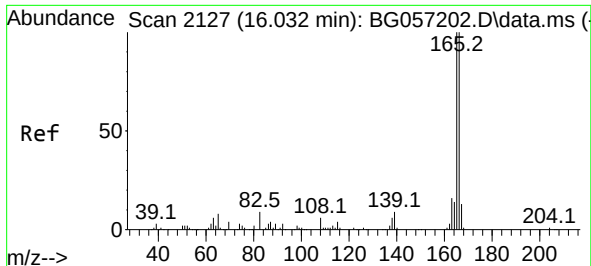


#55
Dibenzofuran
Concen: 3.742 ng
RT: 15.364 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47



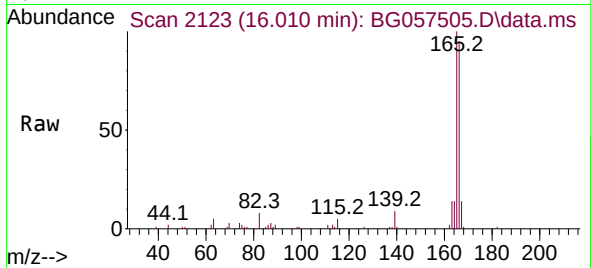
Tgt Ion:168 Resp: 22003
Ion Ratio Lower Upper
168 100
139 41.5 30.7 46.1
169 14.8 10.9 16.3





#58
Fluorene
Concen: 5.956 ng
RT: 16.010 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

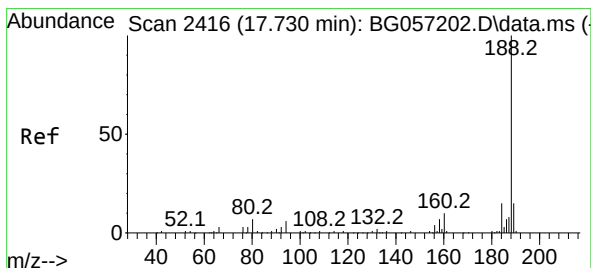
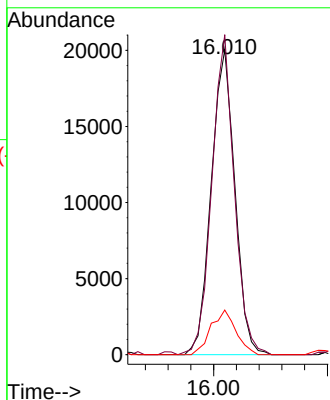
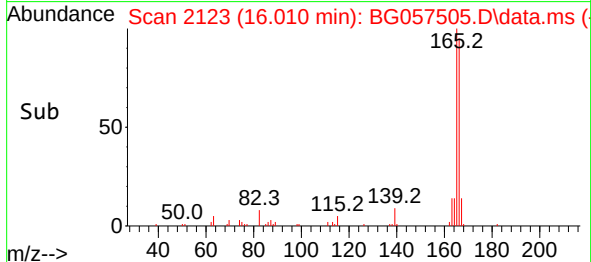
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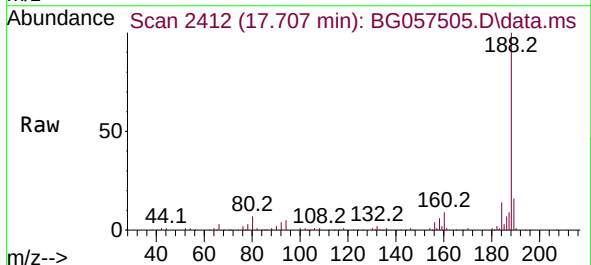
Tgt Ion:166 Resp: 28840
Ion Ratio Lower Upper
166 100
165 104.9 80.1 120.1
167 14.6 10.2 15.2

Manual Integrations
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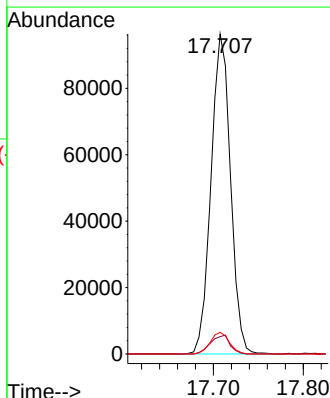
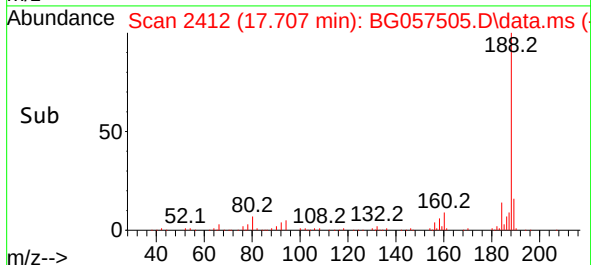
Reviewed By :Christian Giraldo 05/23/2023
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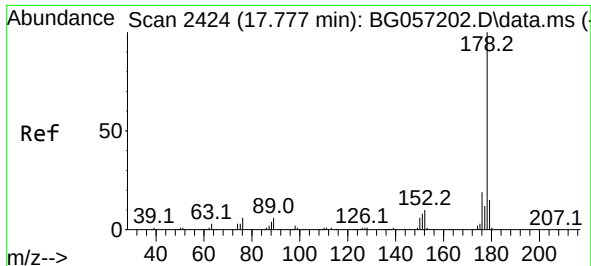


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47



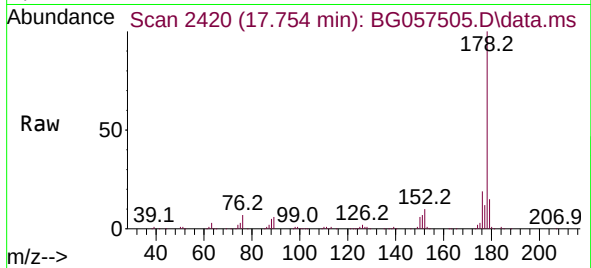
Tgt Ion:188 Resp: 144856
Ion Ratio Lower Upper
188 100
94 5.4 5.1 7.7
80 6.7 5.7 8.5





#71
Phenanthrene
Concen: 34.663 ng
RT: 17.754 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

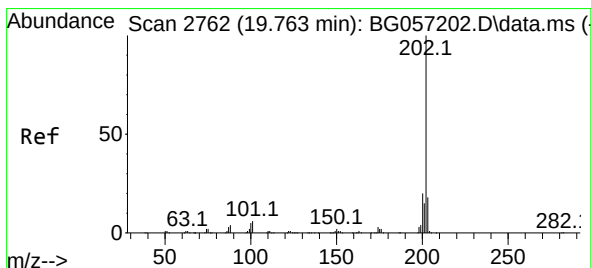
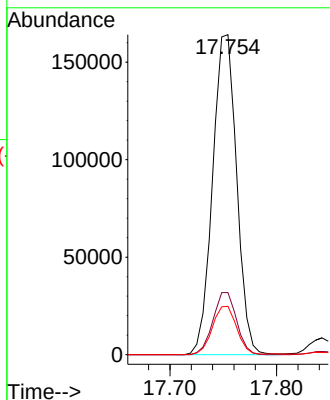
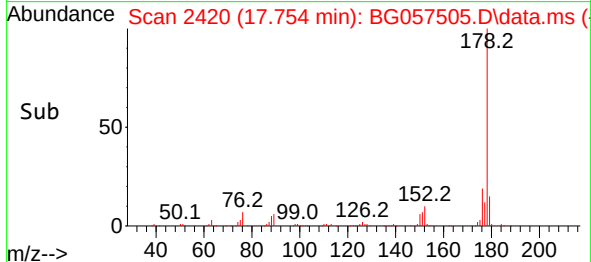
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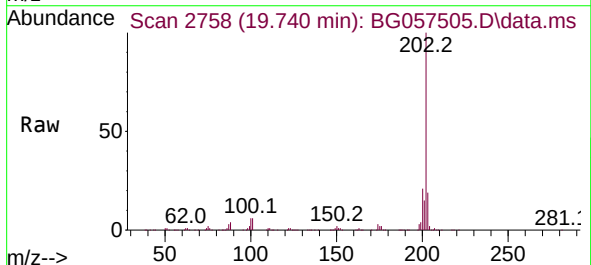
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Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.1 12.3 18.5

Manual Integrations
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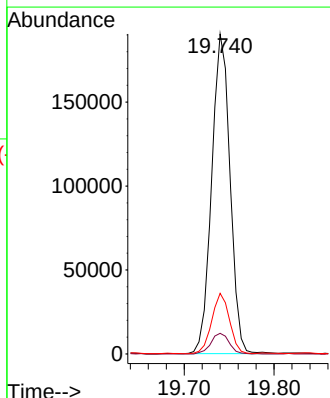
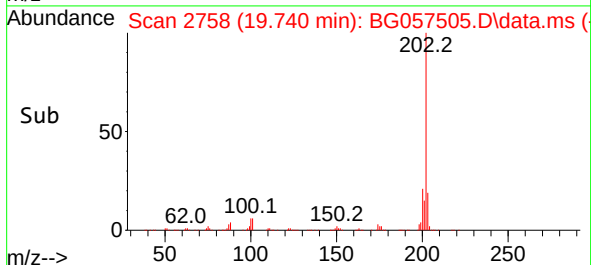
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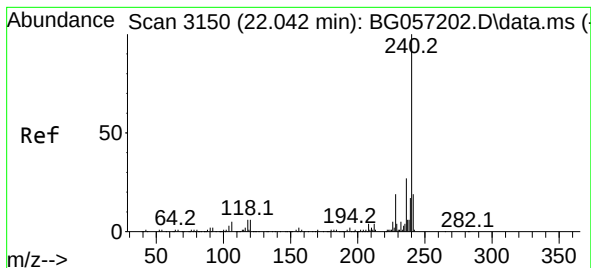


#75
Fluoranthene
Concen: 29.283 ng
RT: 19.740 min Scan# 2758
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47



Tgt Ion:202 Resp: 270336
Ion Ratio Lower Upper
202 100
101 6.5 0.0 26.2
203 19.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG057505.D

Acq: 22 May 2023 22:47

Instrument :

BNA_G

ClientSampleId :

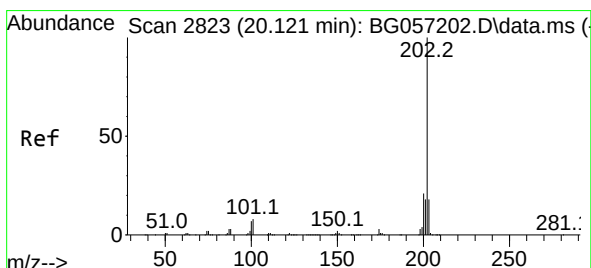
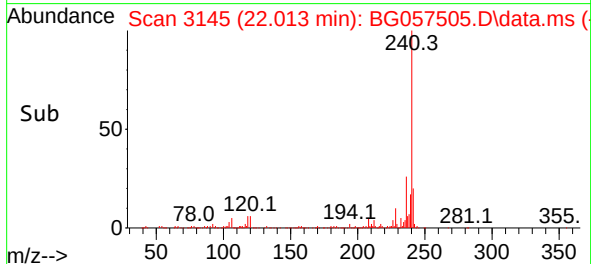
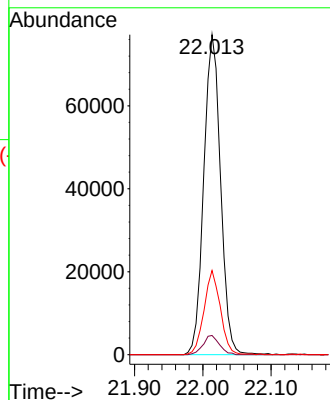
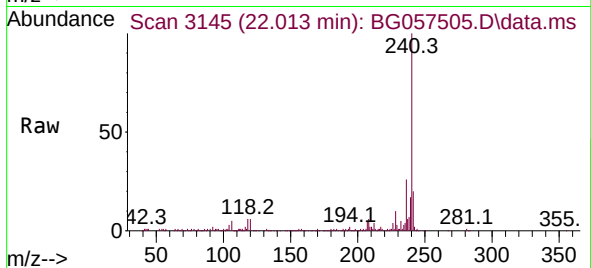
ETGI-367

Tgt Ion:240 Resp: 13215
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.9 7.3
 236 26.3 21.4 32.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023



#78

Pyrene

Concen: 19.544 ng

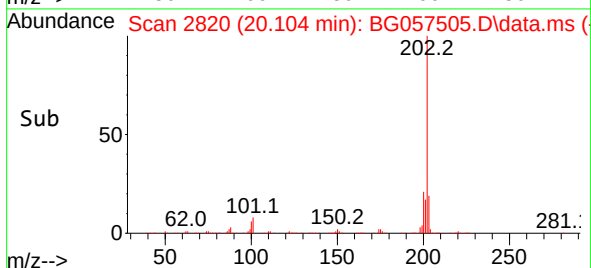
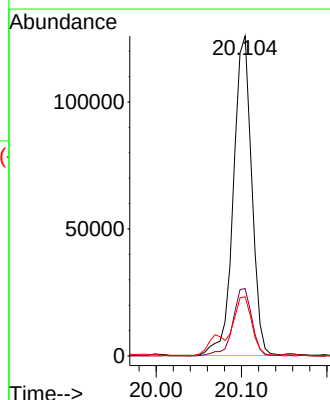
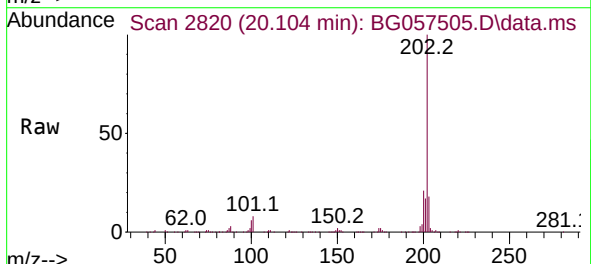
RT: 20.104 min Scan# 2820

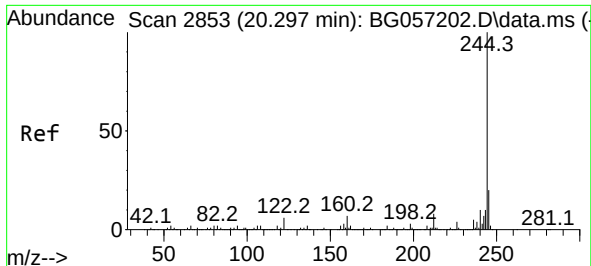
Delta R.T. -0.000 min

Lab File: BG057505.D

Acq: 22 May 2023 22:47

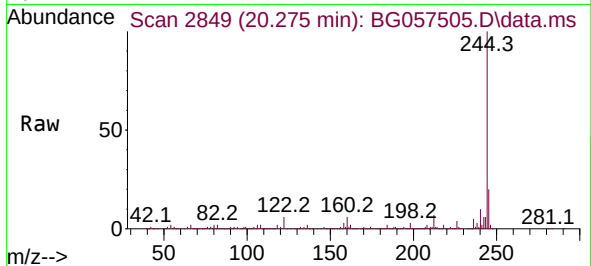
Tgt Ion:202 Resp: 187676
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.5 14.2 21.4





#79
 Terphenyl-d14
 Concen: 53.778 ng
 RT: 20.275 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057505.D
 Acq: 22 May 2023 22:47

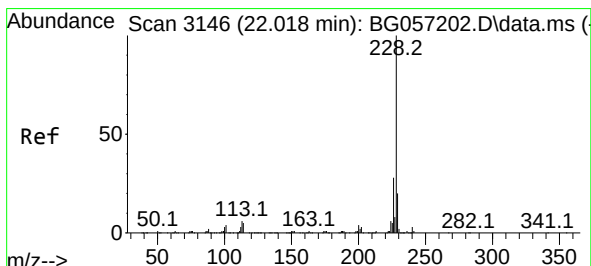
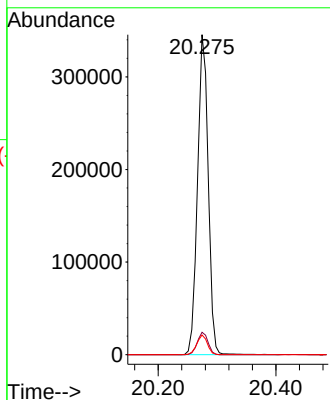
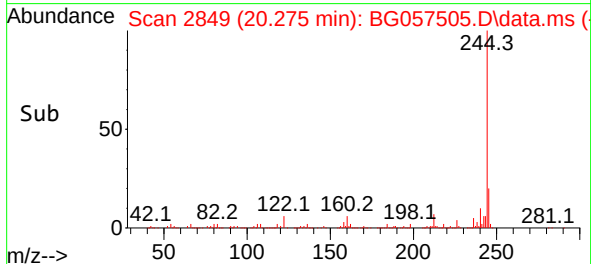
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-367



Tgt Ion:244 Resp: 435484
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.1 5.1 7.7

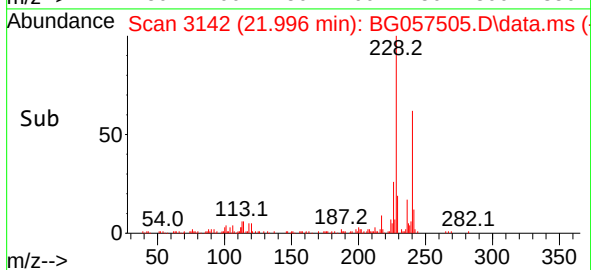
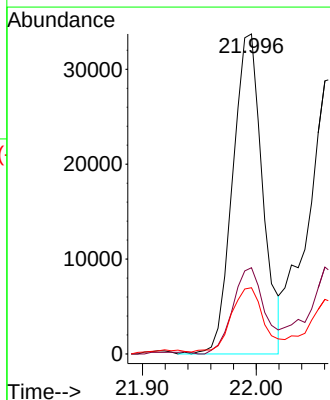
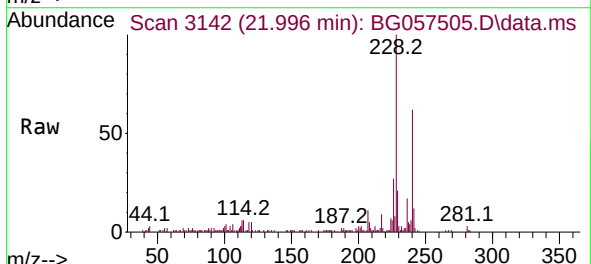
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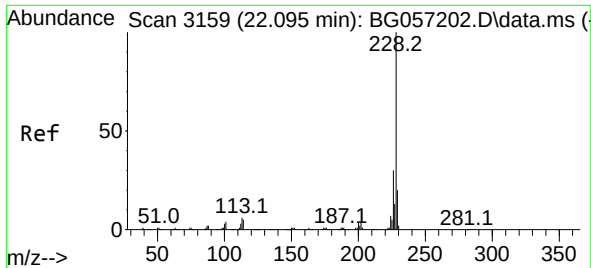
Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023



#81
 Benzo(a)anthracene
 Concen: 6.540 ng
 RT: 21.996 min Scan# 3142
 Delta R.T. -0.000 min
 Lab File: BG057505.D
 Acq: 22 May 2023 22:47

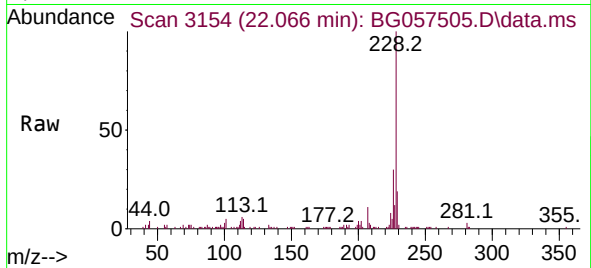
Tgt Ion:228 Resp: 61572
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.0 33.0
 229 20.7 15.8 23.8





#83
Chrysene
Concen: 7.044 ng
RT: 22.066 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

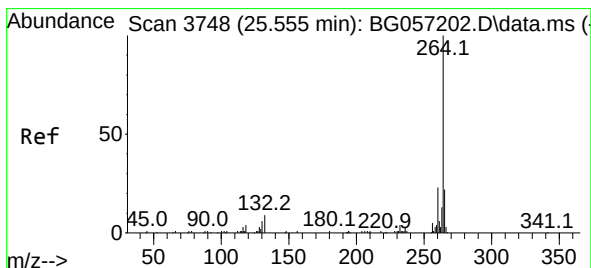
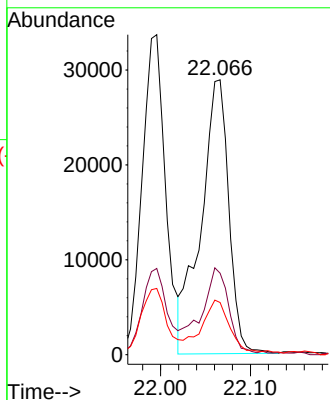
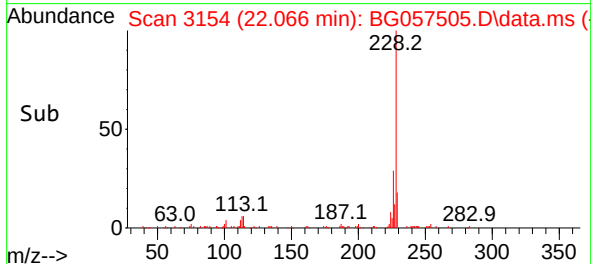
Instrument :
BNA_G
ClientSampleId :
ETGI-367



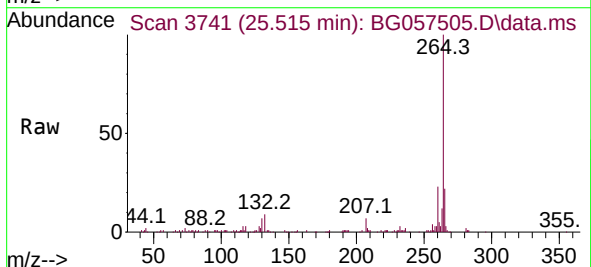
Tgt Ion:228 Resp: 62400
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 19.0 15.9 23.9

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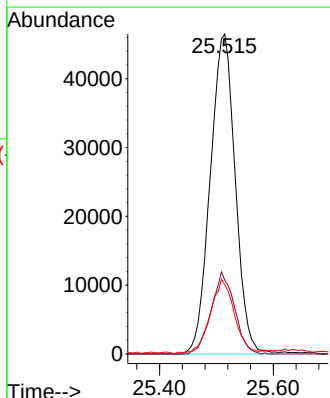
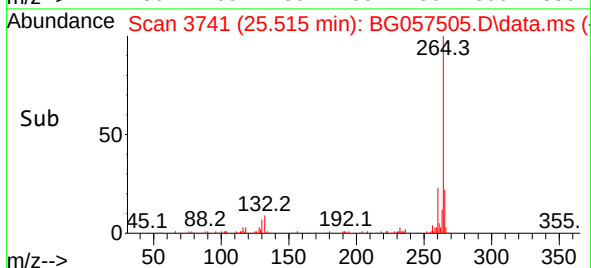
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

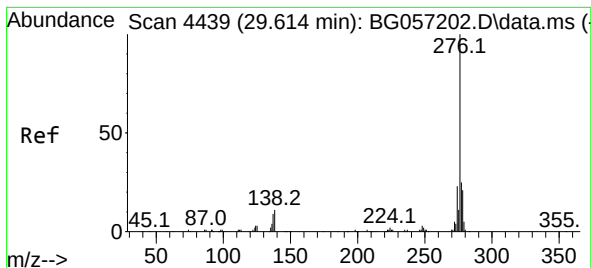


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.515 min Scan# 3741
Delta R.T. -0.000 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47



Tgt Ion:264 Resp: 142004
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 21.7 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.611 ng

RT: 29.533 min Scan# 4439

Delta R.T. -0.030 min

Lab File: BG057505.D

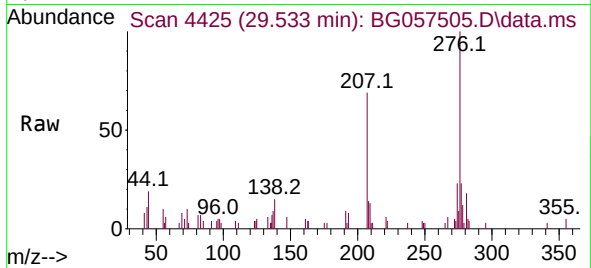
Acq: 22 May 2023 22:47

Instrument :

BNA_G

ClientSampleId :

ETGI-367



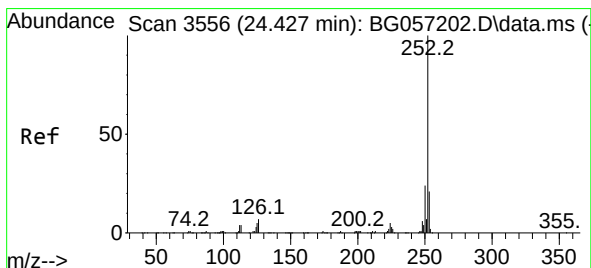
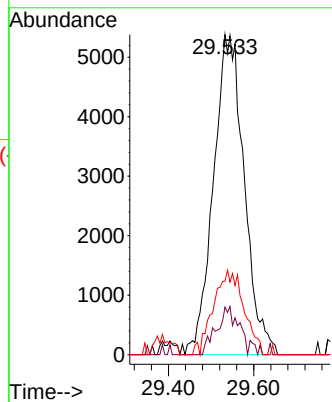
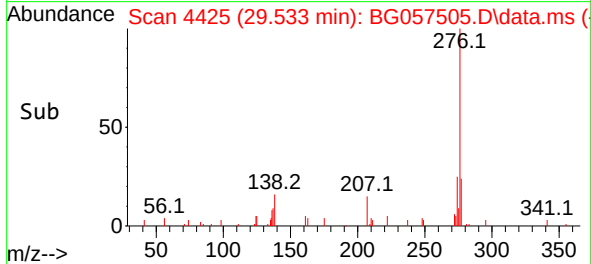
Tgt Ion:	276	Resp:	2702
Ion Ratio	Lower	Upper	
276	100		
138	10.7	5.4	8.0
277	26.1	20.6	30.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/23/2023

Supervised By :Jagrut Upadhyay 05/23/2023



#88

Benzo(b)fluoranthene

Concen: 6.754 ng

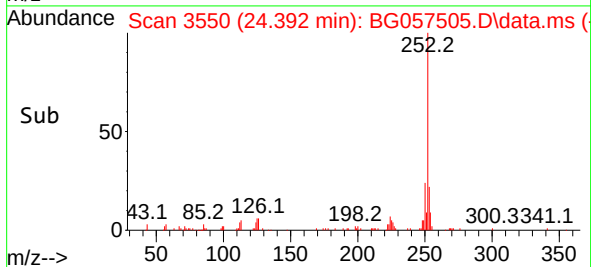
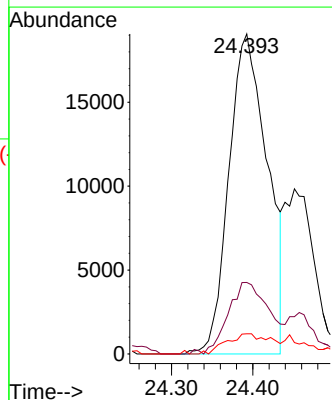
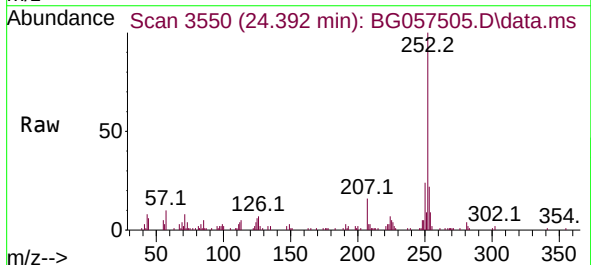
RT: 24.392 min Scan# 3550

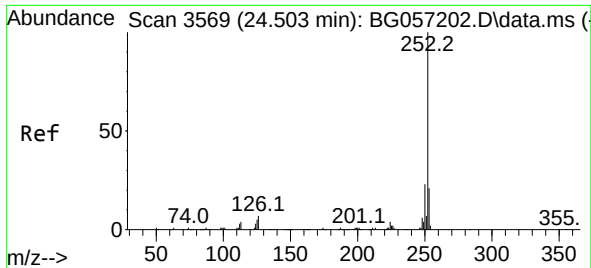
Delta R.T. -0.000 min

Lab File: BG057505.D

Acq: 22 May 2023 22:47

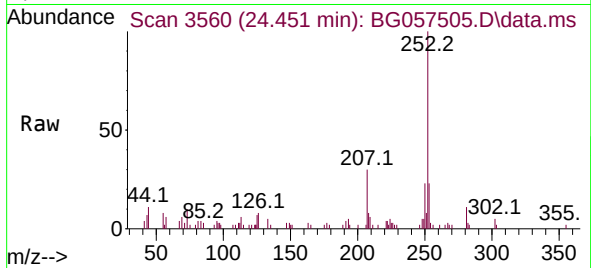
Tgt Ion:	252	Resp:	62692
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	6.3	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 2.609 ng m
RT: 24.451 min Scan# 3569
Delta R.T. -0.018 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

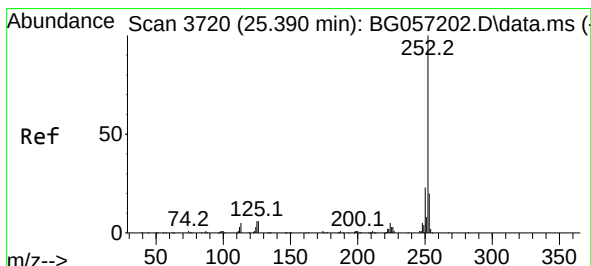
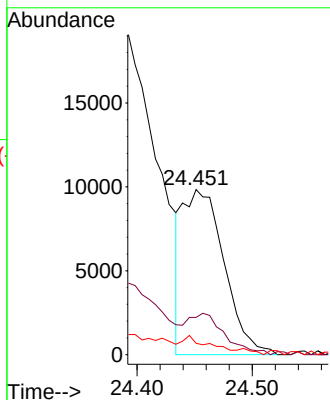
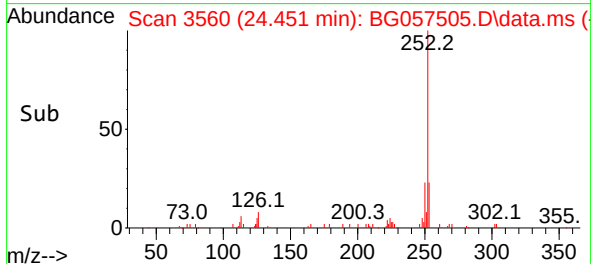
Instrument :
BNA_G
ClientSampleId :
ETGI-367



Tgt Ion:252 Resp: 2461
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 6.8 4.1 6.1

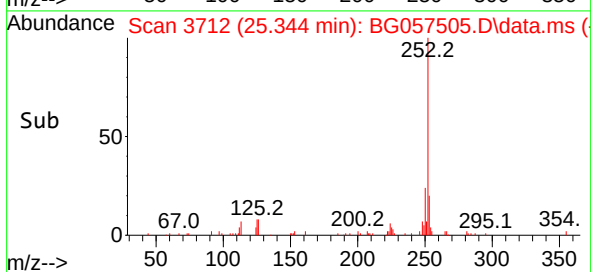
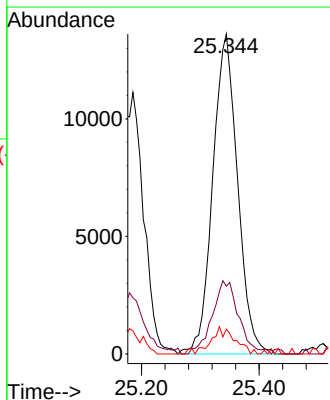
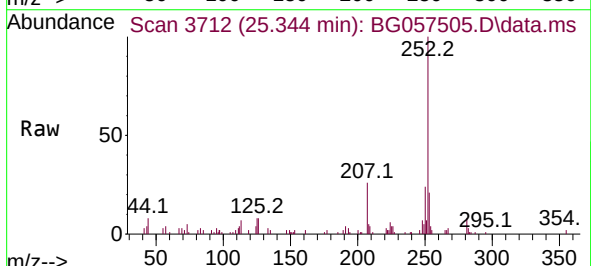
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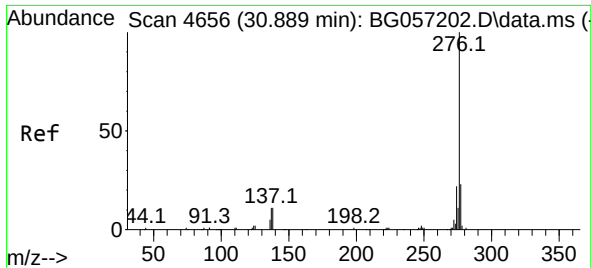
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#90
Benzo(a)pyrene
Concen: 4.401 ng
RT: 25.344 min Scan# 3712
Delta R.T. -0.012 min
Lab File: BG057505.D
Acq: 22 May 2023 22:47

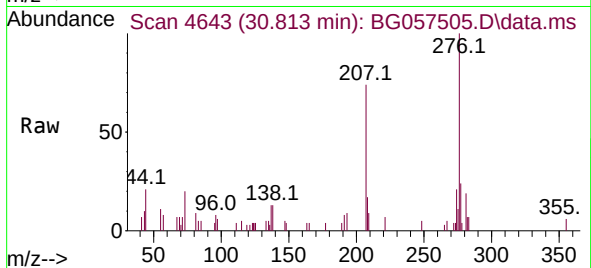
Tgt Ion:252 Resp: 39916
Ion Ratio Lower Upper
252 100
253 21.2 16.3 24.5
125 7.8 5.0 7.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.024 ng
 RT: 30.813 min Scan# 4643
 Delta R.T. -0.024 min
 Lab File: BG057505.D
 Acq: 22 May 2023 22:47

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-367



Tgt Ion:	276	Resp:	2544
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.4	27.6
138	12.5	9.0	13.4

Manual Integrations
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Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023

