

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042823\
 Data File : BG057241.D
 Acq On : 29 Apr 2023 7:54
 Operator : CG/JU
 Sample : 02417-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8W8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/01/2023
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: May 01 00:47:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 28 23:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	14344	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	58362	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.986	164	47740	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	112905	20.000	ng/u1	0.00
79) Chrysene-d12	22.036	240	101238	20.000	ng/u1	0.00
88) Perylene-d12	25.543	264	107018	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	575	1.764	ng/uL	0.00
4) Pyridine-d5	4.119	84	1699m	1.653	ng/u1	0.02
7) Phenol-d5	7.514	99	16887	12.449	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	10358	12.982	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	12122	13.560	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	12579	12.201	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	6766	14.558	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	7846	14.465	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.827	165	15059	14.390	ng/u1	0.00
31) 4-Chloroaniline-d4	11.344	131	7204	5.194	ng/u1	0.00
46) Dimethylphthalate-d6	14.370	166	55044	14.551	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	61856	14.549	ng/u1	0.00
54) 4-Nitrophenol-d4	15.180	143	5742	10.428	ng/u1	0.01
60) Fluorene-d10	15.973	176	51266	14.548	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.085	200	8429	12.600	ng/u1	0.00
73) Anthracene-d10	17.824	188	80746	15.668	ng/u1	0.00
81) Pyrene-d10	20.091	212	99190	16.507	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.302	264	89810	16.472	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.555	94	27781m	20.319	ng/u1	
16) Acetophenone	9.194	105	7274	4.100	ng/u1#	70
30) Naphthalene	11.268	128	26948	8.410	ng/u1	99
36) 2-Methylnaphthalene	12.836	142	8147	3.467	ng/u1	99
37) 1-Methylnaphthalene	13.060	142	5739	2.429	ng/u1#	87
52) Acenaphthene	15.051	153	9831	3.194	ng/u1	96
56) Dibenzofuran	15.380	168	11256	2.532	ng/u1	94
61) Fluorene	16.026	166	12387	3.295	ng/u1	96
72) Phenanthrene	17.771	178	201511	34.273	ng/u1	99
74) Anthracene	17.859	178	47345	8.016	ng/u1	98
77) Carbazole	18.123	167	21432	4.342	ng/u1	98
80) Fluoranthene	19.762	202	311361	43.619	ng/u1	96
82) Pyrene	20.121	202	269164	37.248	ng/u1#	97
85) Benzo(a)anthracene	22.012	228	143091	19.985	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.860	149	8228	2.445	ng/u1	92
87) Chrysene	22.089	228	130125	19.263	ng/u1	96
90) Benzo(b)fluoranthene	24.427	252	175191	23.640	ng/u1	96
91) Benzo(k)fluoranthene	24.485	252	57958m	8.039	ng/u1	
93) Benzo(a)pyrene	25.384	252	130269m	20.361	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.590	276	89449m	11.184	ng/u1	
95) Dibenzo(a,h)anthracene	29.625	278	22753	3.431	ng/u1#	85
96) Benzo(g,h,i)perylene	30.871	276	76247m	11.780	ng/u1	

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

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

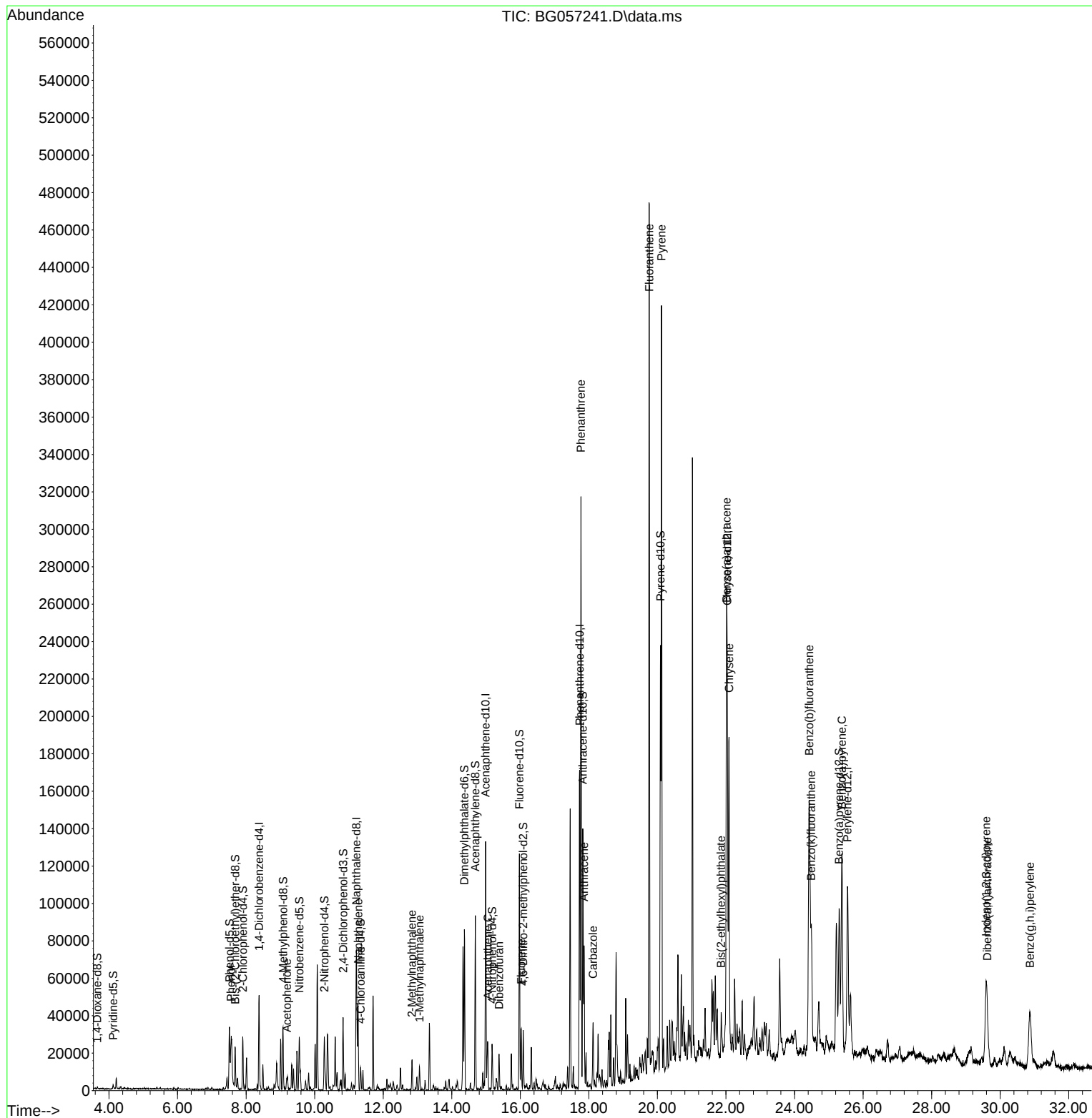
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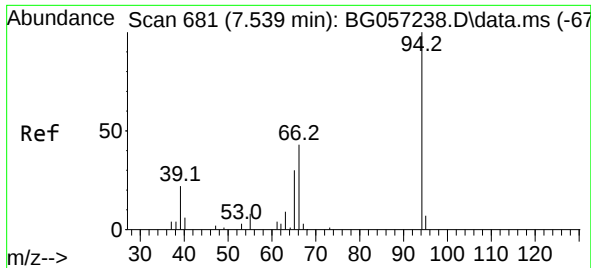
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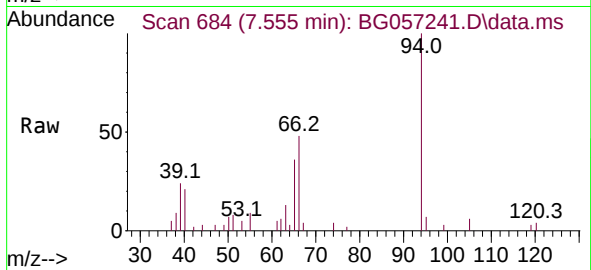
Reviewed By : Christian Giraldo 05/01/2023
 Supervised By : Jagrut Upadhyay 05/01/2023





#8
Phenol
Concen: 20.319 ng/ul m
RT: 7.555 min Scan# 681
Delta R.T. 0.018 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

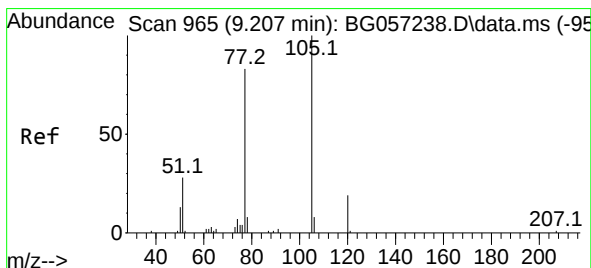
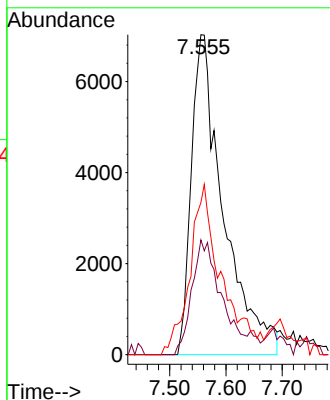
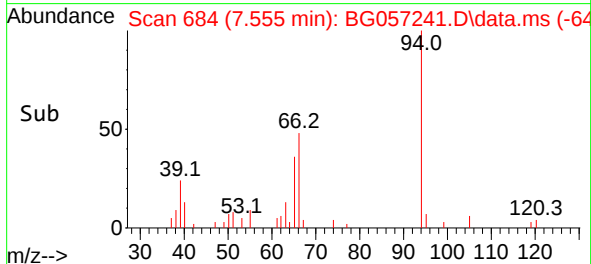
Instrument :
BNA_G
ClientSampleId :
EW8W8



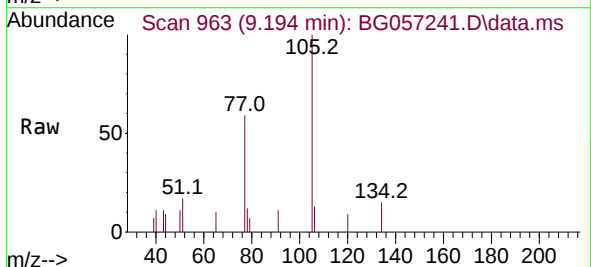
Tgt Ion: 94 Resp: 2778
Ion Ratio Lower Upper
94 100
65 35.8 25.5 38.3
66 47.5 36.9 55.3

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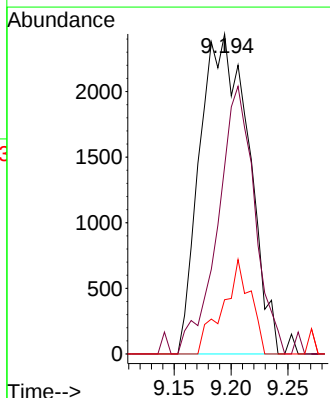
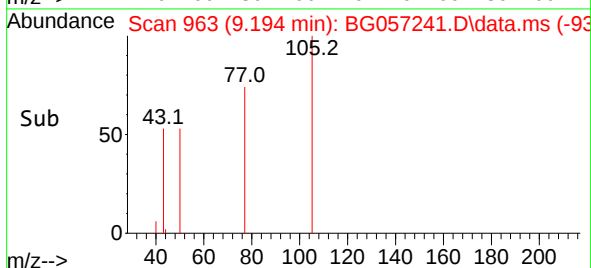
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

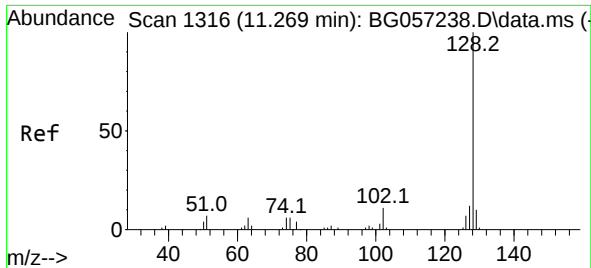


#16
Acetophenone
Concen: 4.100 ng/ul
RT: 9.194 min Scan# 963
Delta R.T. -0.012 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54



Tgt Ion:105 Resp: 7274
Ion Ratio Lower Upper
105 100
77 58.5 70.6 105.8#
51 16.9 24.5 36.7#





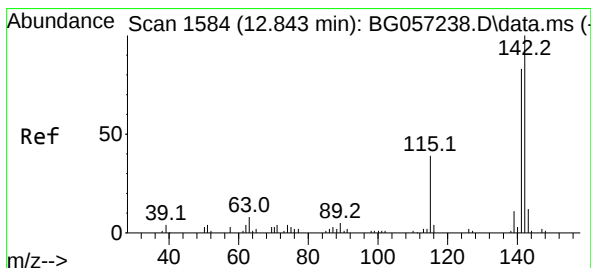
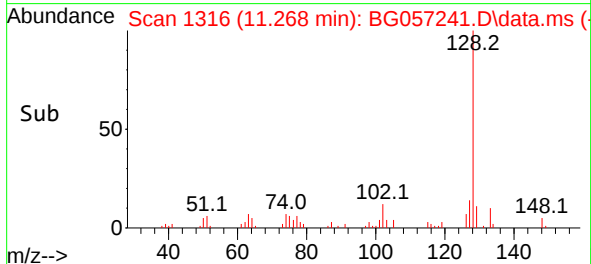
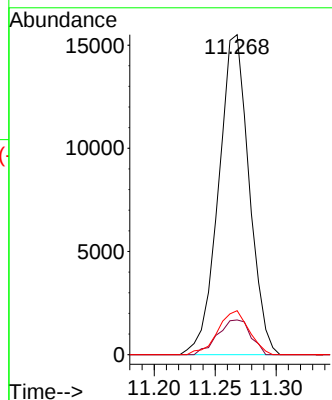
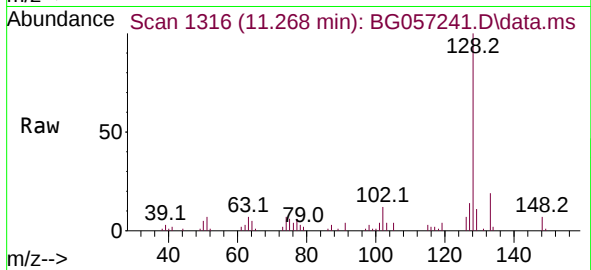
#30
Naphthalene
Concen: 8.410 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Instrument :
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ClientSampleId :
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Tgt Ion:128 Resp: 26948
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.7 11.4 17.0

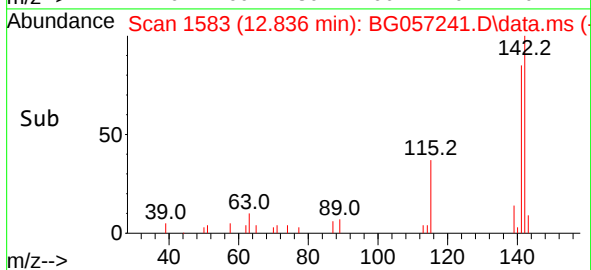
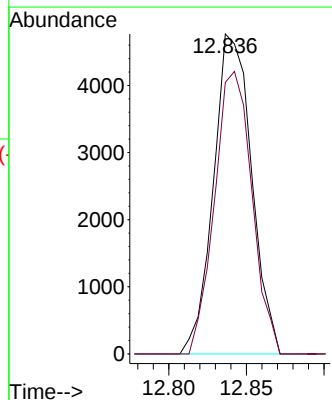
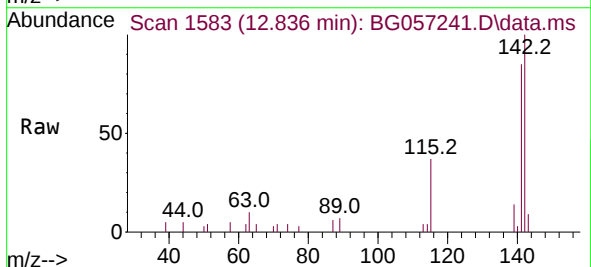
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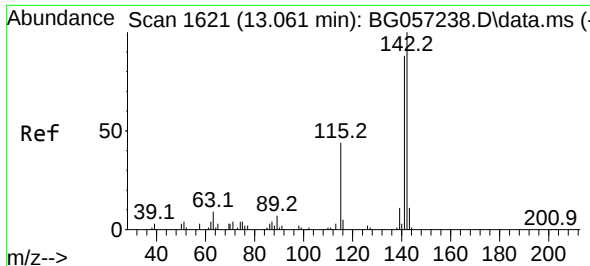
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#36
2-Methylnaphthalene
Concen: 3.467 ng/ul
RT: 12.836 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:142 Resp: 8147
Ion Ratio Lower Upper
142 100
141 84.8 68.7 103.1





#37

1-Methylnaphthalene

Concen: 2.429 ng/ul

RT: 13.060 min Scan# 1621

Delta R.T. 0.000 min

Lab File: BG057241.D

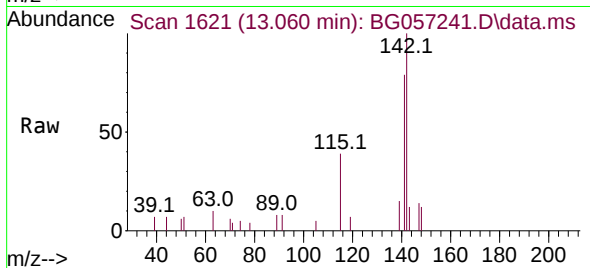
Acq: 29 Apr 2023 7:54

Instrument :

BNA_G

ClientSampleId :

EW8W8



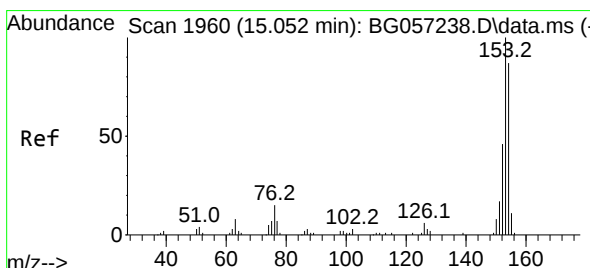
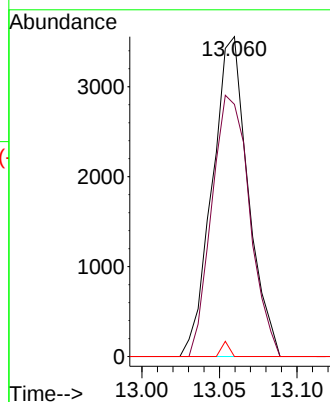
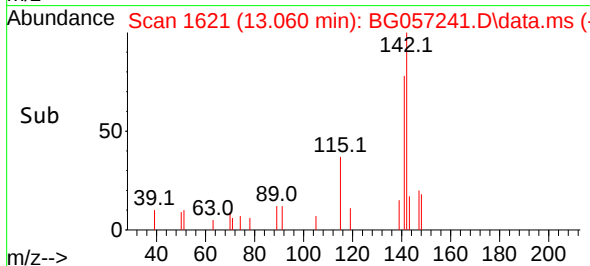
Tgt Ion:	142	Resp:	5739
Ion Ratio	Lower	Upper	
142	100		
141	78.8	72.9	109.3
116	0.0	3.2	4.8

Manual Integrations

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#52

Acenaphthene

Concen: 3.194 ng/ul

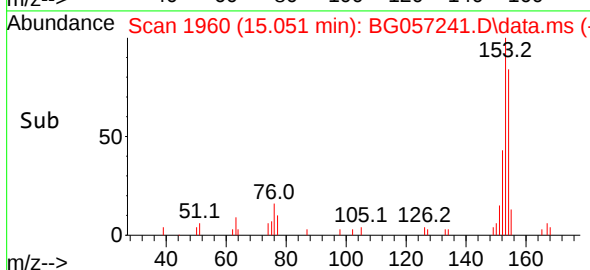
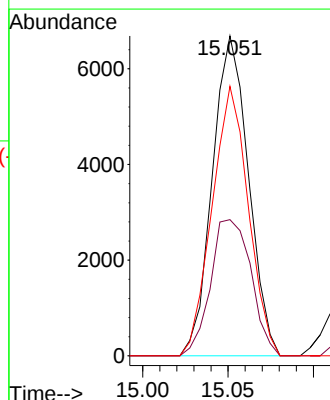
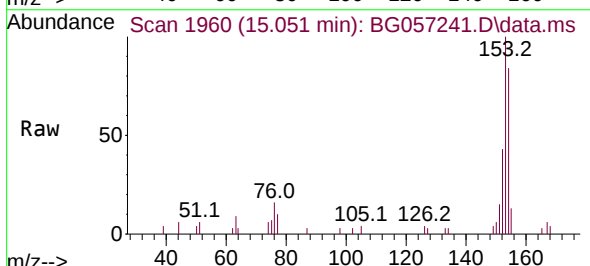
RT: 15.051 min Scan# 1960

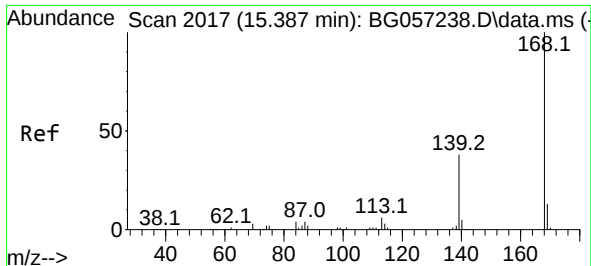
Delta R.T. 0.000 min

Lab File: BG057241.D

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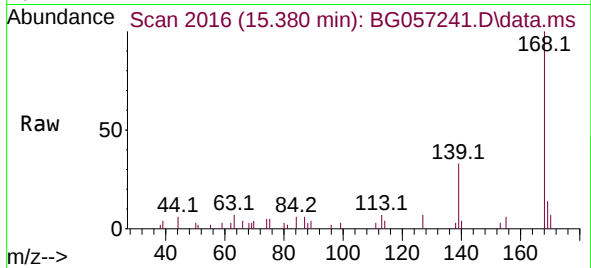
Tgt Ion:	153	Resp:	9831
Ion Ratio	Lower	Upper	
153	100		
152	42.6	36.5	54.7
154	84.2	70.6	106.0





#56
Dibenzenofuran
Concen: 2.532 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

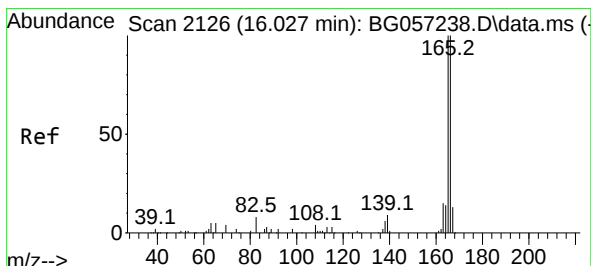
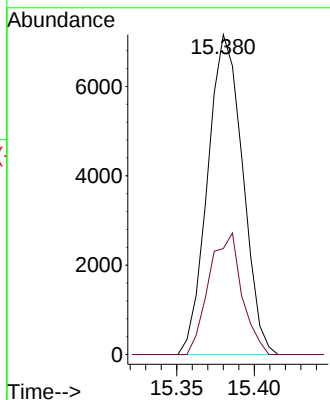
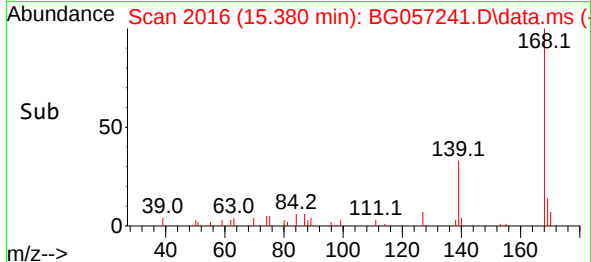
Instrument :
BNA_G
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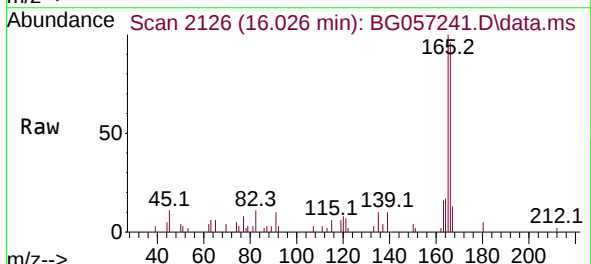
Tgt Ion:168 Resp: 11256
Ion Ratio Lower Upper
168 100
139 33.1 29.6 44.4

Manual Integrations
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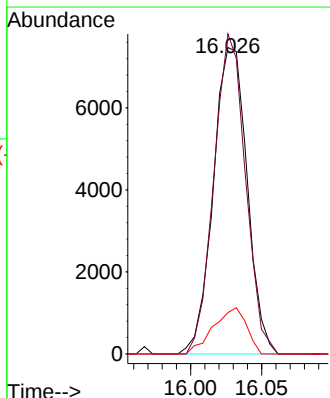
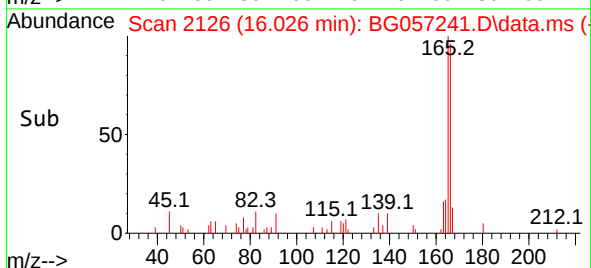
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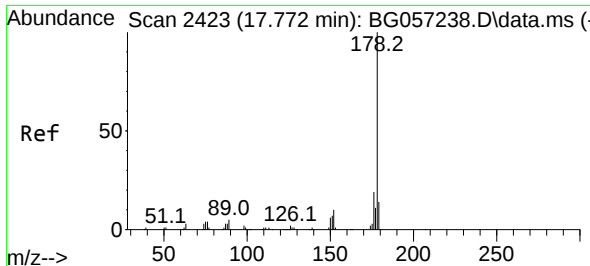


#61
Fluorene
Concen: 3.295 ng/ul
RT: 16.026 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54



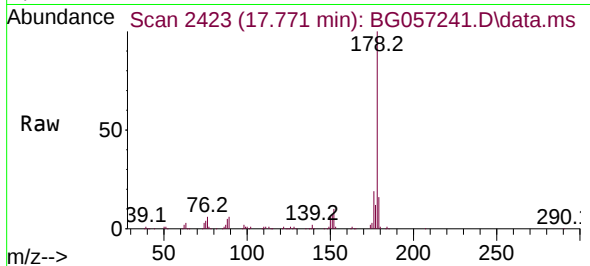
Tgt Ion:166 Resp: 12387
Ion Ratio Lower Upper
166 100
165 104.4 80.1 120.1
167 13.5 10.2 15.4





#72
Phenanthrene
Concen: 34.273 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

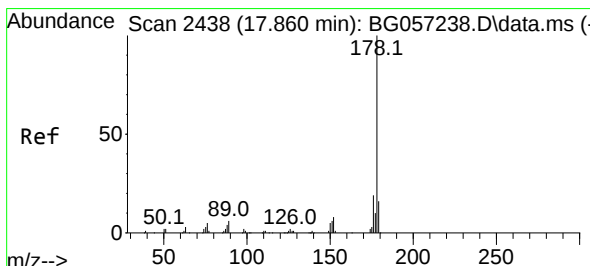
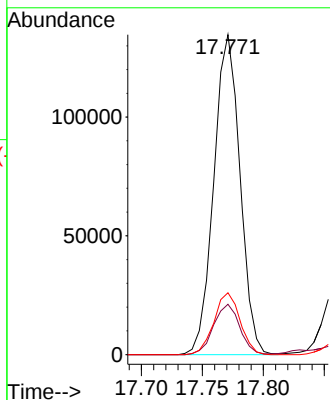
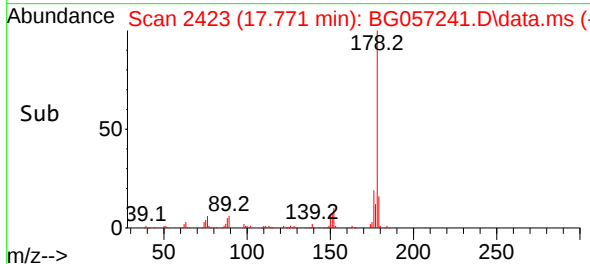
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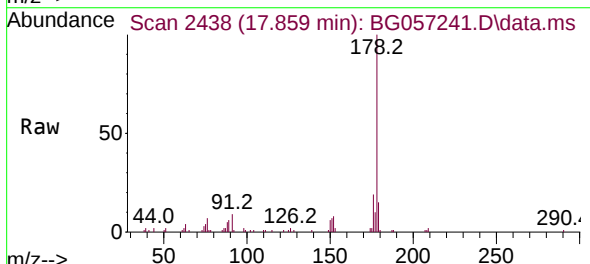
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Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 19.3 15.4 23.0

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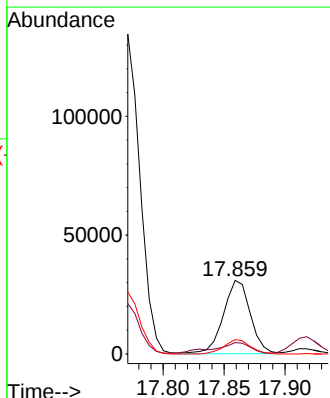
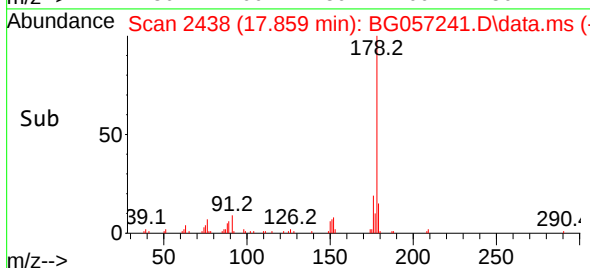
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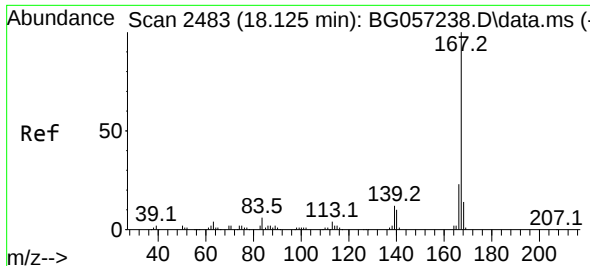


#74
Anthracene
Concen: 8.016 ng/ul
RT: 17.859 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54



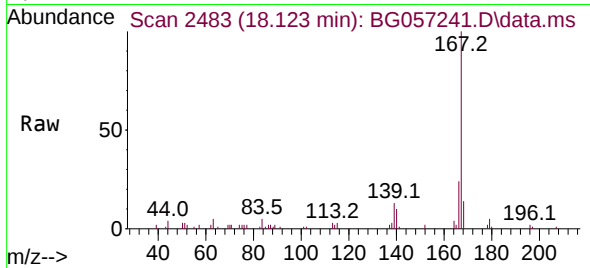
Tgt Ion:178 Resp: 47345
Ion Ratio Lower Upper
178 100
179 15.2 12.5 18.7
176 19.5 14.7 22.1





#77
 Carbazole
 Concen: 4.342 ng/ul
 RT: 18.123 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

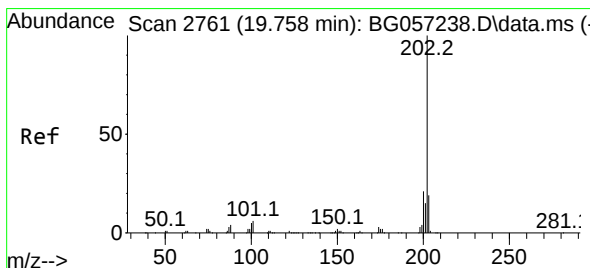
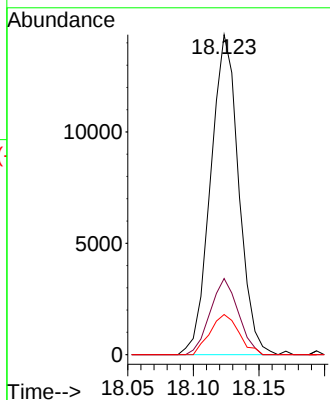
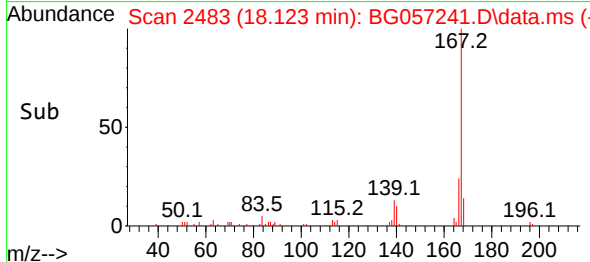
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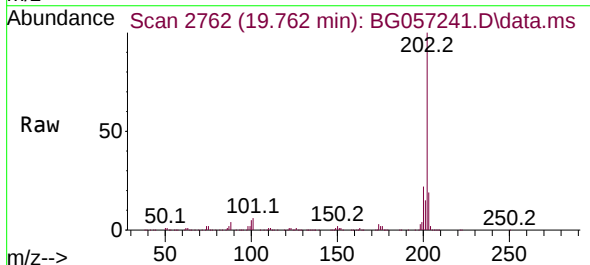
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Ion Ratio	Lower	Upper	
167	100		
166	23.8	18.0	27.0
139	12.5	10.3	15.5

Manual Integrations
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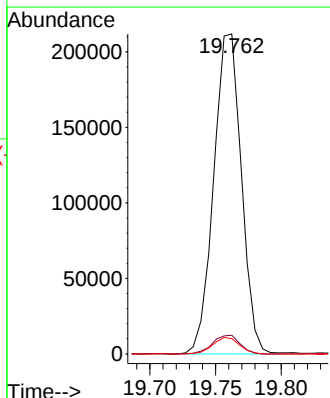
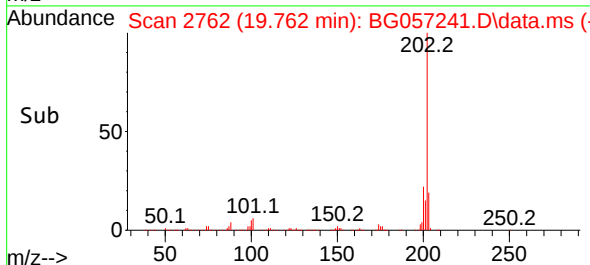
Reviewed By :Christian Giraldo 05/01/2023
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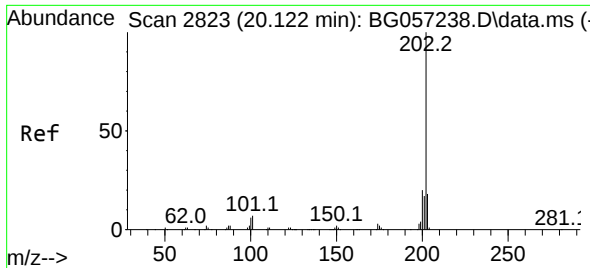


#80
 Fluoranthene
 Concen: 43.619 ng/ul
 RT: 19.762 min Scan# 2762
 Delta R.T. 0.006 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54



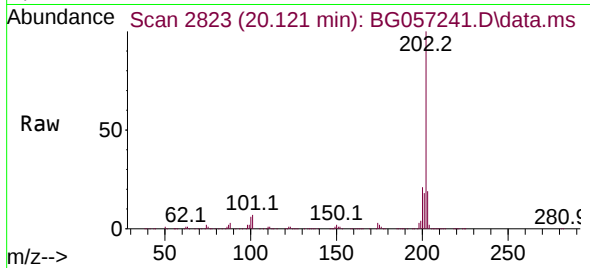
Tgt Ion:	202	Resp:	311361
Ion Ratio	Lower	Upper	
202	100		
101	5.8	5.8	8.6
100	4.8	4.6	7.0





#82
 Pyrene
 Concen: 37.248 ng/ul
 RT: 20.121 min Scan# 2823
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

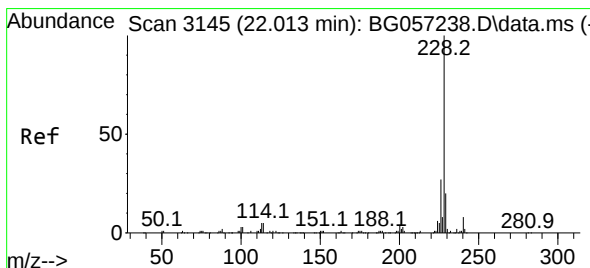
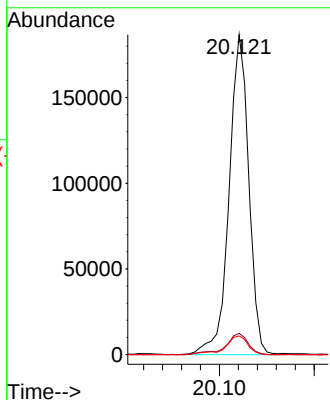
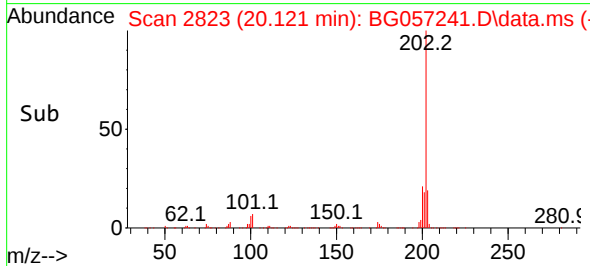
Instrument :
 BNA_G
 ClientSampleId :
 EW8W8



Tgt Ion:202 Resp: 269164
 Ion Ratio Lower Upper
 202 100
 101 6.6 5.7 8.5
 100 5.8 6.0 9.0

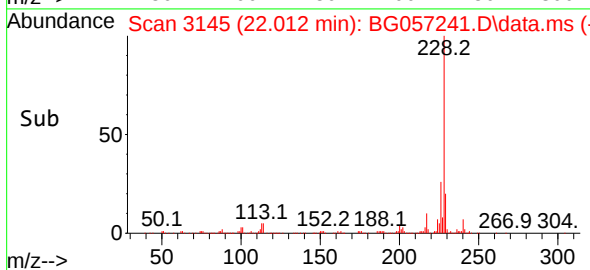
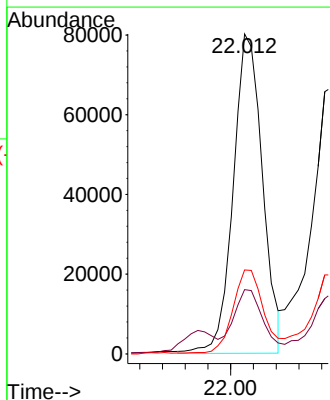
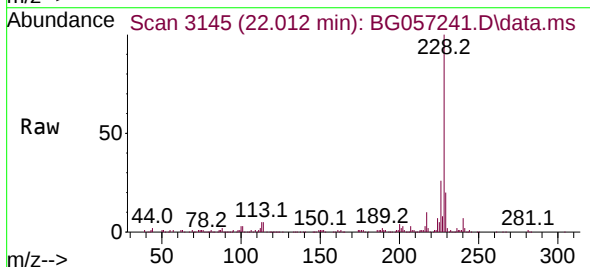
Manual Integrations
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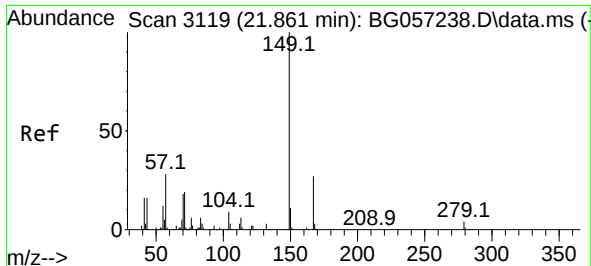
Reviewed By :Christian Giraldo 05/01/2023
 Supervised By :Jagrut Upadhyay 05/01/2023



#85
 Benzo(a)anthracene
 Concen: 19.985 ng/ul
 RT: 22.012 min Scan# 3145
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

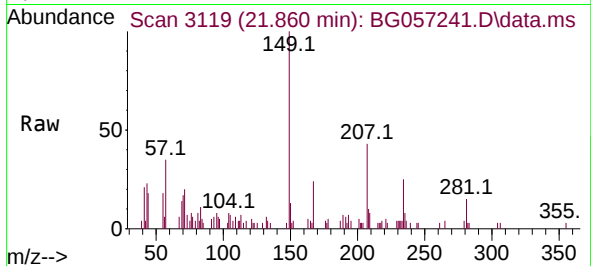
Tgt Ion:228 Resp: 143091
 Ion Ratio Lower Upper
 228 100
 229 20.1 15.8 23.6
 226 26.2 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.445 ng/ul
RT: 21.860 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

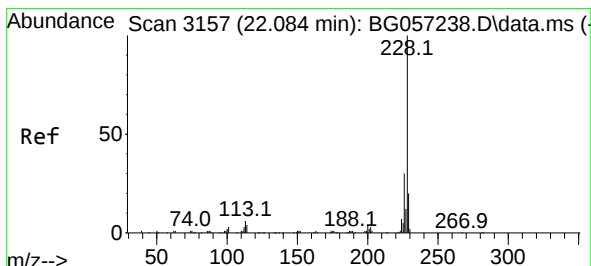
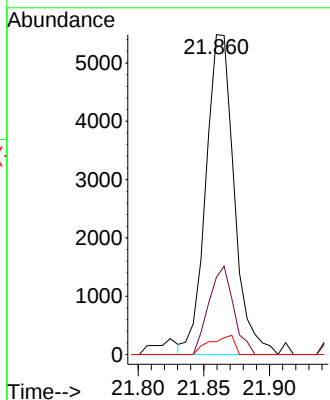
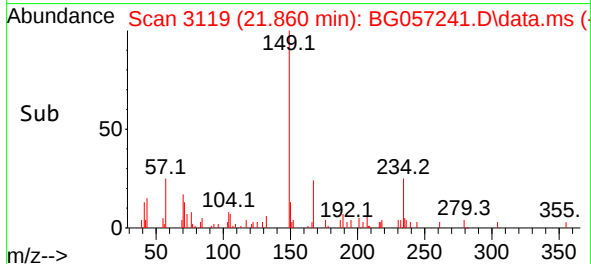
Instrument :
BNA_G
ClientSampleId :
EW8W8



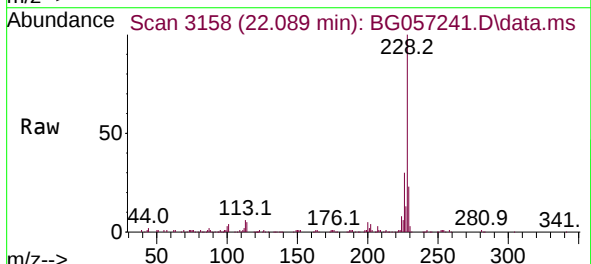
Tgt Ion:149 Resp: 8228
Ion Ratio Lower Upper
149 100
167 24.2 23.0 34.6
279 4.0 3.6 5.4

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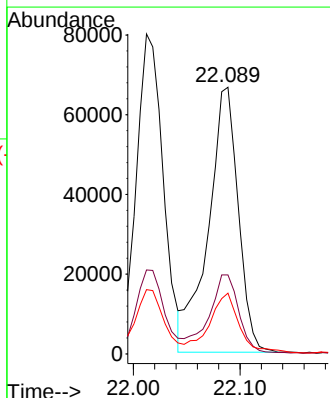
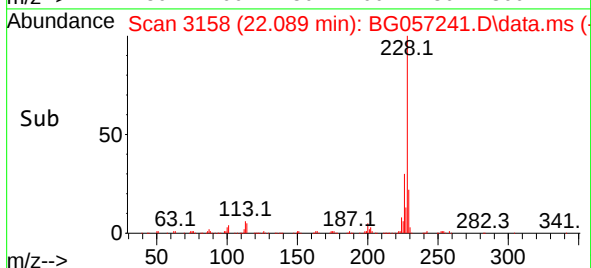
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

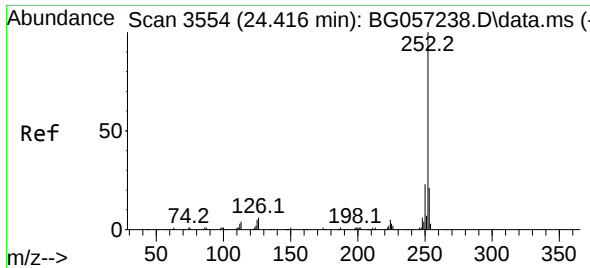


#87
Chrysene
Concen: 19.263 ng/ul
RT: 22.089 min Scan# 3158
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54



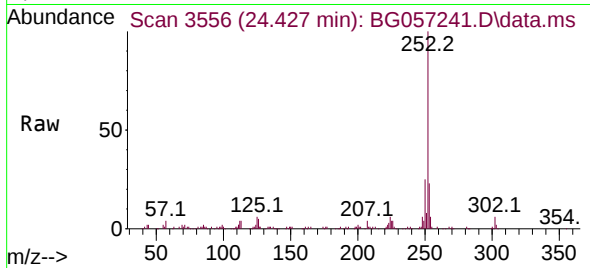
Tgt Ion:228 Resp: 130125
Ion Ratio Lower Upper
228 100
226 29.6 22.8 34.2
229 22.8 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 23.640 ng/ul
RT: 24.427 min Scan# 3555
Delta R.T. 0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

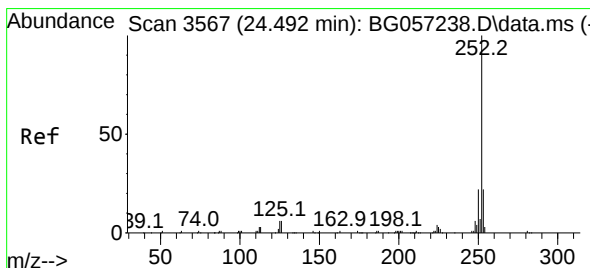
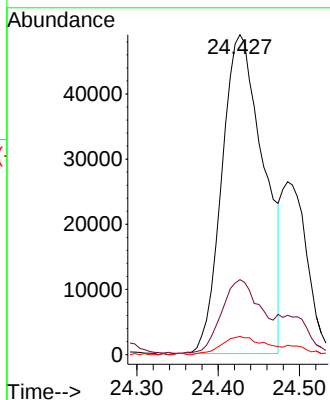
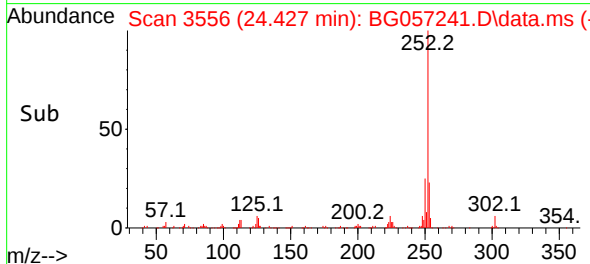
Instrument :
BNA_G
ClientSampleId :
EW8W8



Tgt Ion:252 Resp: 175191
Ion Ratio Lower Upper
252 100
253 23.5 16.7 25.1
125 5.7 4.8 7.2

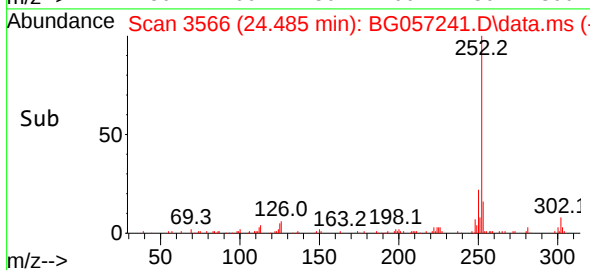
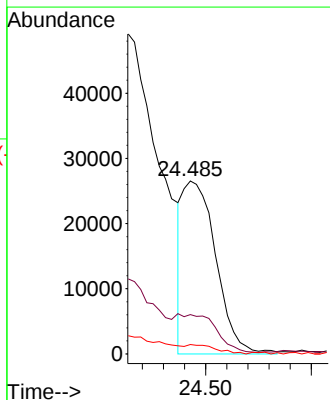
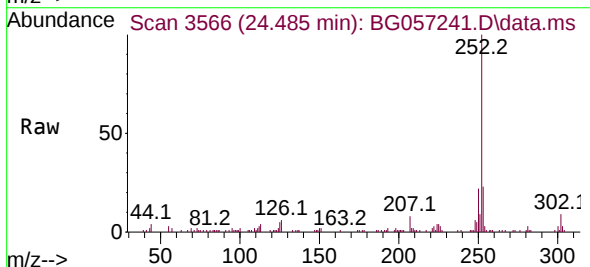
Manual Integrations
APPROVED

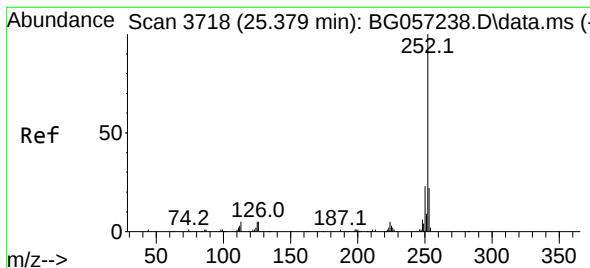
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#91
Benzo(k)fluoranthene
Concen: 8.039 ng/ul m
RT: 24.485 min Scan# 3566
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:252 Resp: 57958
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 5.4 4.5 6.7





#93

Benzo(a)pyrene

Concen: 20.361 ng/ul m

RT: 25.384 min Scan# 3718

Delta R.T. 0.006 min

Lab File: BG057241.D

Acq: 29 Apr 2023 7:54

Instrument :

BNA_G

ClientSampleId :

EW8W8

Tgt Ion:252 Resp: 130269

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

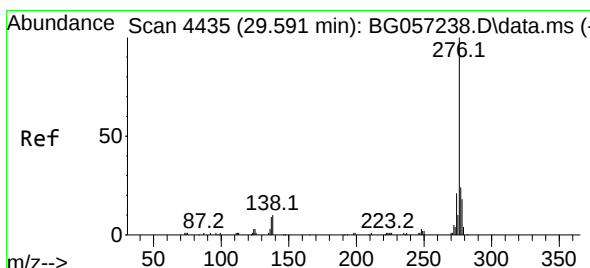
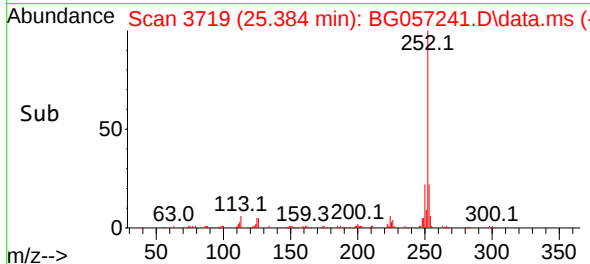
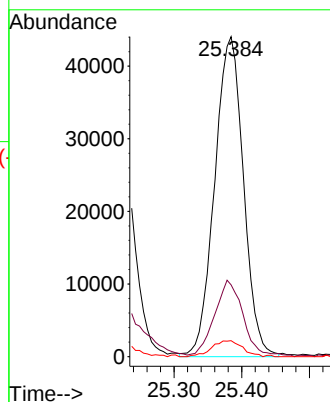
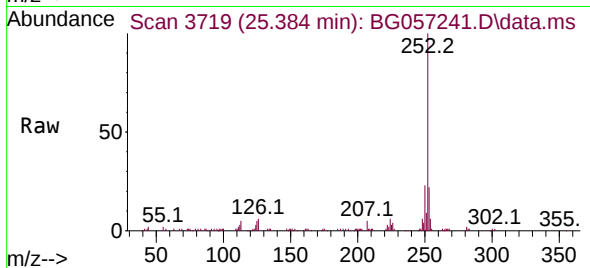
125 5.0 5.1 7.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/01/2023

Supervised By :Jagrut Upadhyay 05/01/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.184 ng/ul m

RT: 29.590 min Scan# 4435

Delta R.T. 0.000 min

Lab File: BG057241.D

Acq: 29 Apr 2023 7:54

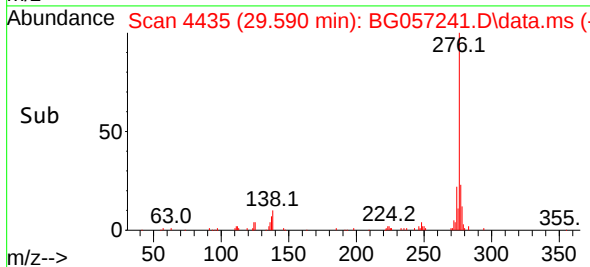
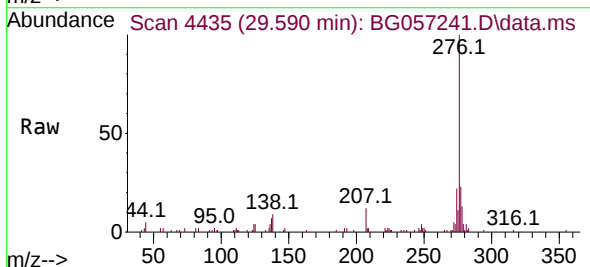
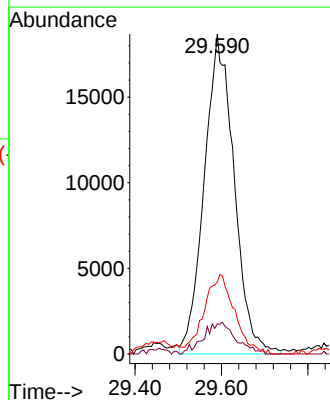
Tgt Ion:276 Resp: 89449

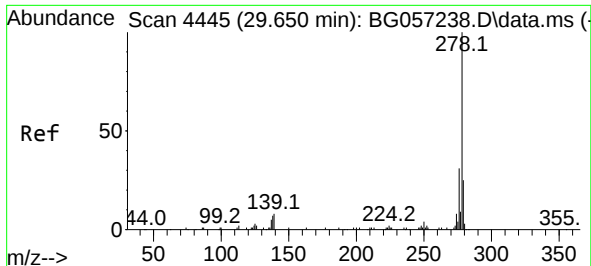
Ion Ratio Lower Upper

276 100

138 9.4 9.4 14.2#

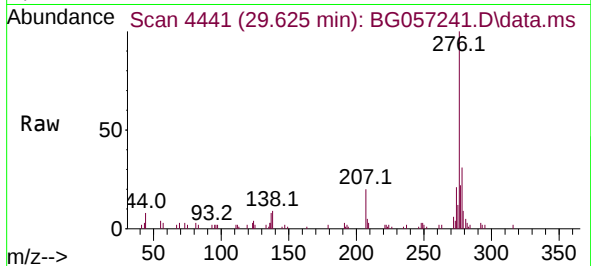
277 22.5 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 3.431 ng/ul
RT: 29.625 min Scan# 4441
Delta R.T. -0.035 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

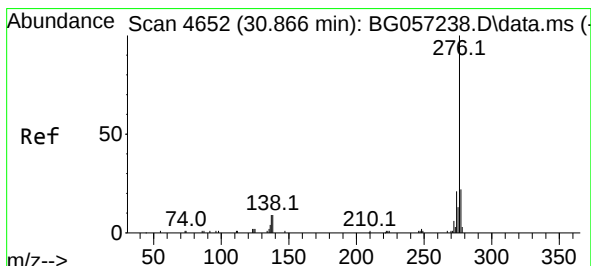
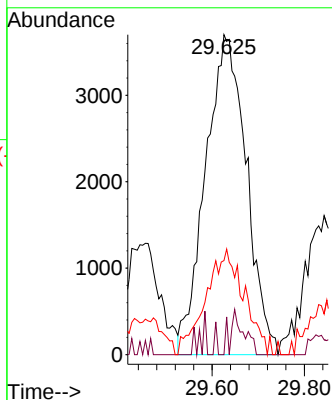
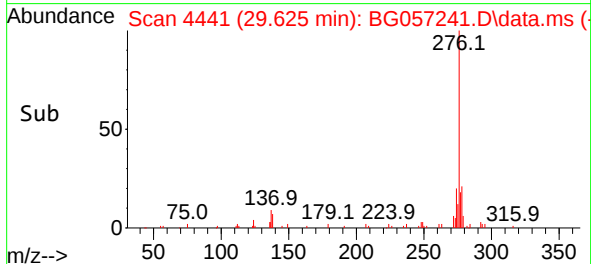
Instrument :
BNA_G
ClientSampleId :
EW8W8



Tgt Ion:278 Resp: 22753
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.6
279 29.4 18.3 27.5

Manual Integrations
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Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#96
Benzo(g,h,i)perylene
Concen: 11.780 ng/ul m
RT: 30.871 min Scan# 4653
Delta R.T. 0.012 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:276 Resp: 76247
Ion Ratio Lower Upper
276 100
138 9.9 8.7 13.1
277 25.4 18.4 27.6

