

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042823\
 Data File : BG057240.D
 Acq On : 29 Apr 2023 7:13
 Operator : CG/JU
 Sample : 02417-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y2

Quant Time: May 01 00:39:14 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	12790	20.000	ng/u1	0.00
20) Naphthalene-d8	11.217	136	54527	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.988	164	43476	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.725	188	104804	20.000	ng/u1	0.00
79) Chrysene-d12	22.037	240	98919	20.000	ng/u1	# 0.00
88) Perylene-d12	25.544	264	104364	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	471m	1.621	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.516	99	18224	15.067	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	10945	15.385	ng/u1	0.00
11) 2-Chlorophenol-d4	7.903	132	12734	15.976	ng/u1	0.00
15) 4-Methylphenol-d8	9.078	113	11898	12.942	ng/u1	0.00
21) Nitrobenzene-d5	9.554	128	6935	15.971	ng/u1	0.00
24) 2-Nitrophenol-d4	10.282	143	7722	15.238	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.829	165	15737	16.096	ng/u1	0.00
31) 4-Chloroaniline-d4	11.340	131	10122	7.811	ng/u1	0.00
46) Dimethylphthalate-d6	14.371	166	57411	16.665	ng/u1	0.00
49) Acenaphthylene-d8	14.688	160	64304	16.608	ng/u1	0.00
54) 4-Nitrophenol-d4	15.176	143	6055	12.075	ng/u1	0.00
60) Fluorene-d10	15.975	176	54236	16.900	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.086	200	8789	14.154	ng/u1	0.00
73) Anthracene-d10	17.825	188	88412	18.482	ng/u1	0.00
81) Pyrene-d10	20.093	212	108289	18.443	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.303	264	100436	18.889	ng/u1	0.00
Target Compounds					Qvalue	
8) Phenol	7.563	94	13127m	10.768	ng/u1	
16) Acetophenone	9.207	105	10115	6.394	ng/u1	98
30) Naphthalene	11.263	128	4411	1.473	ng/u1#	93
36) 2-Methylnaphthalene	12.844	142	3170	1.444	ng/u1	95
37) 1-Methylnaphthalene	13.055	142	2612	1.183	ng/u1#	91
52) Acenaphthene	15.052	153	5768	2.058	ng/u1#	92
56) Dibenzofuran	15.381	168	7791	1.925	ng/u1	95
61) Fluorene	16.028	166	12466	3.642	ng/u1	93
72) Phenanthrene	17.772	178	214690	39.337	ng/u1	99
74) Anthracene	17.860	178	42811	7.809	ng/u1	99
77) Carbazole	18.125	167	16863	3.681	ng/u1	99
80) Fluoranthene	19.758	202	349248	50.074	ng/u1	98
82) Pyrene	20.122	202	297436	42.125	ng/u1	97
85) Benzo(a)anthracene	22.014	228	178517	25.517	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.867	149	5436	1.653	ng/u1#	98
87) Chrysene	22.084	228	163863	24.826	ng/u1	96
90) Benzo(b)fluoranthene	24.428	252	198311	27.440	ng/u1#	97
91) Benzo(k)fluoranthene	24.493	252	80833m	11.496	ng/u1	
93) Benzo(a)pyrene	25.380	252	147361m	23.618	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.603	276	91656	11.752	ng/u1	98
95) Dibenzo(a,h)anthracene	29.627	278	29694m	4.591	ng/u1	
96) Benzo(g,h,i)perylene	30.866	276	80615m	12.771	ng/u1	

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

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

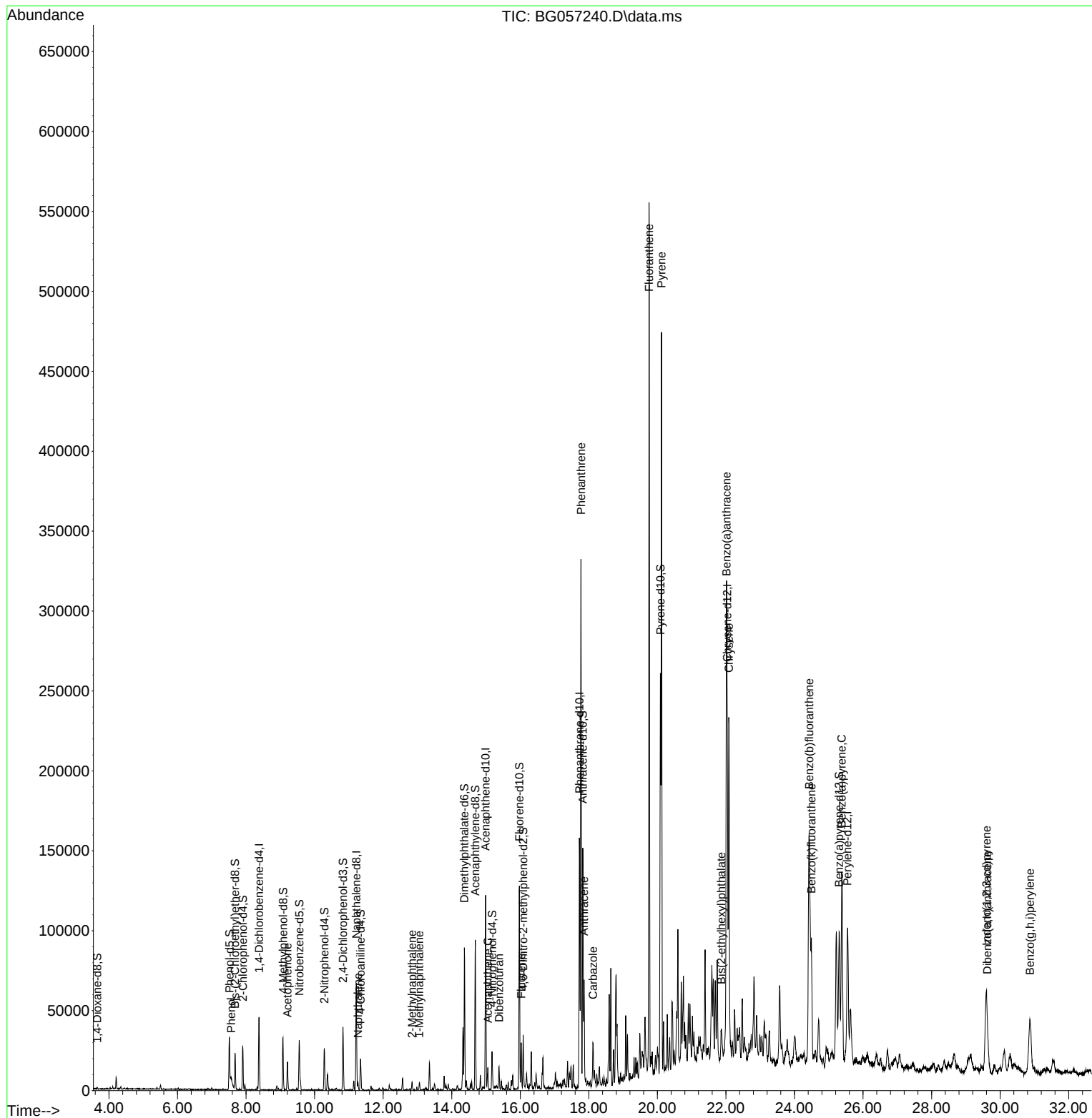
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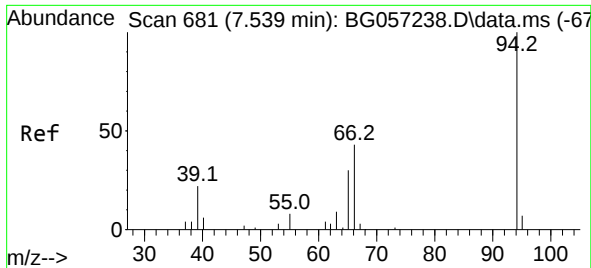
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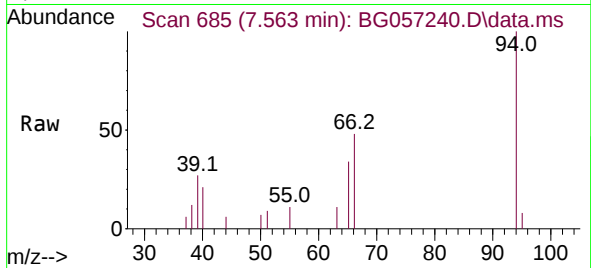
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#8
Phenol
Concen: 10.768 ng/ul m
RT: 7.563 min Scan# 681
Delta R.T. 0.025 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

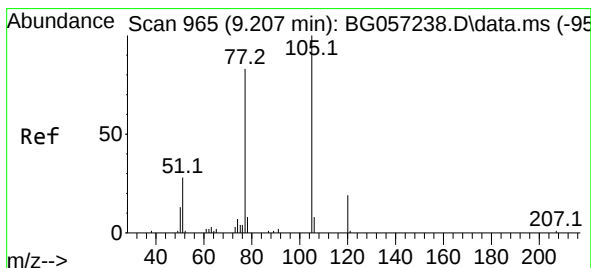
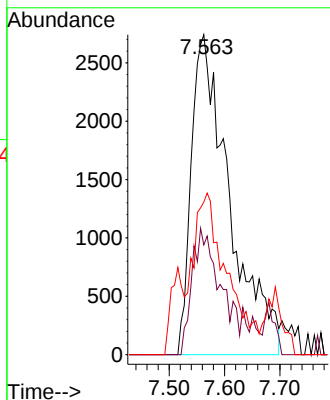
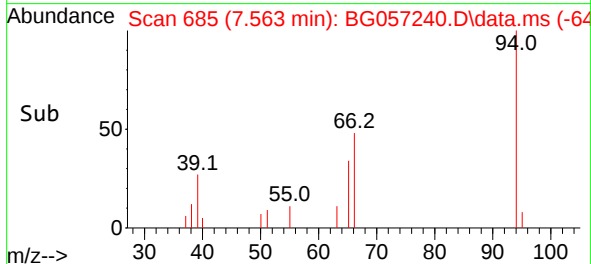
Instrument :
BNA_G
ClientSampleId :
EW8Y2



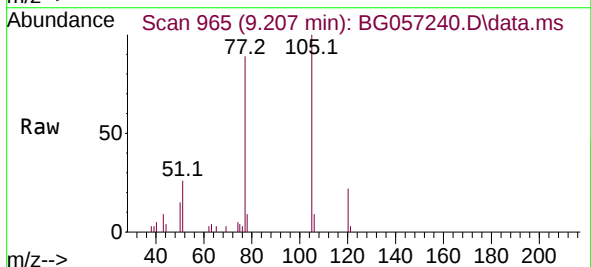
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Ion Ratio Lower Upper
94 100
65 34.3 25.5 38.3
66 47.7 36.9 55.3

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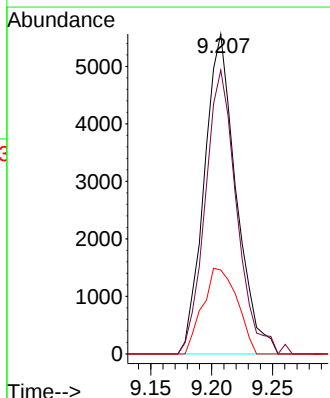
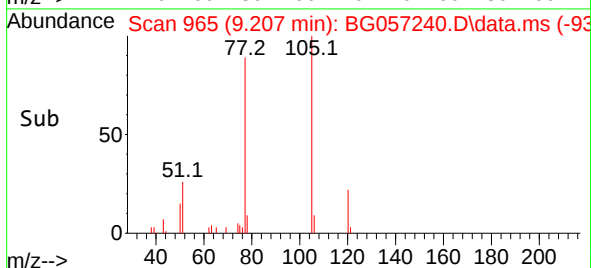
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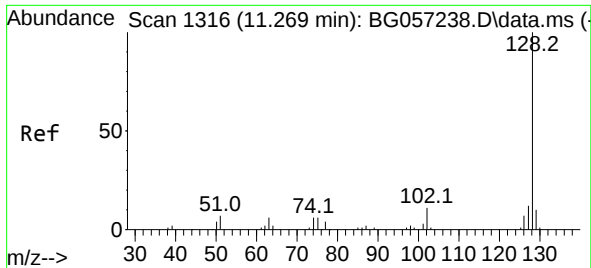


#16
Acetophenone
Concen: 6.394 ng/ul
RT: 9.207 min Scan# 965
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13



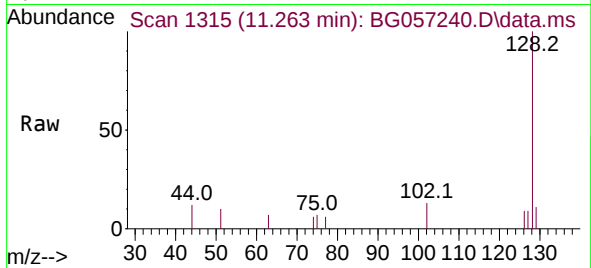
Tgt Ion:105 Resp: 10115
Ion Ratio Lower Upper
105 100
77 88.7 70.6 105.8
51 26.2 24.5 36.7





#30
Naphthalene
Concen: 1.473 ng/ul
RT: 11.263 min Scan# 1315
Delta R.T. -0.004 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

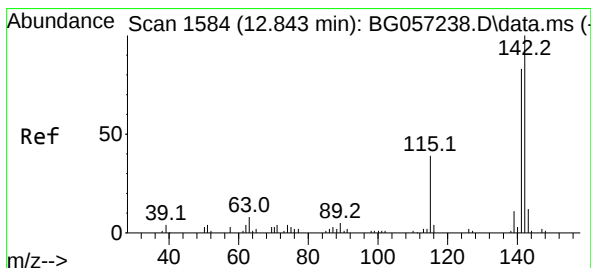
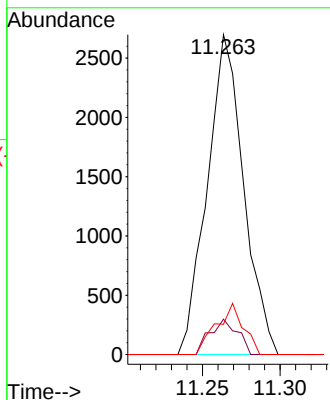
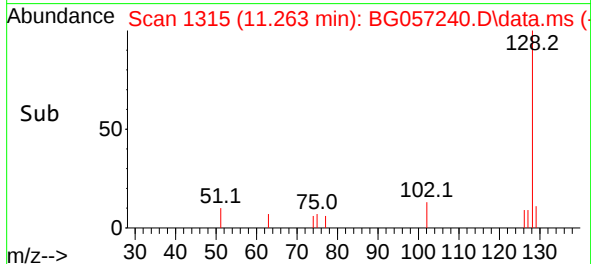
Instrument :
BNA_G
ClientSampleId :
EW8Y2



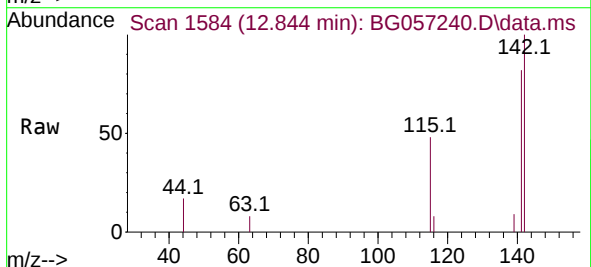
Tgt Ion:128 Resp: 441
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 9.5 11.4 17.0

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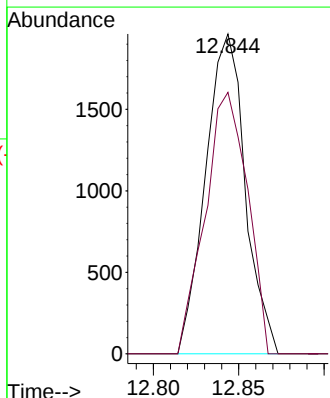
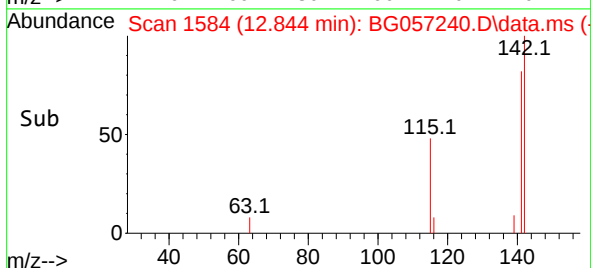
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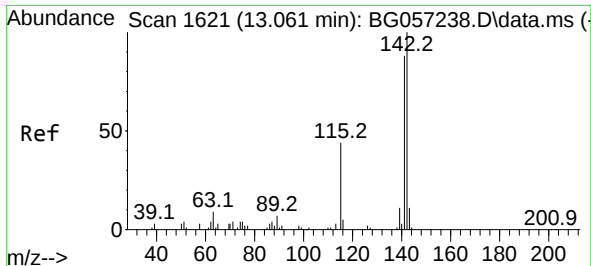


#36
2-Methylnaphthalene
Concen: 1.444 ng/ul
RT: 12.844 min Scan# 1584
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13



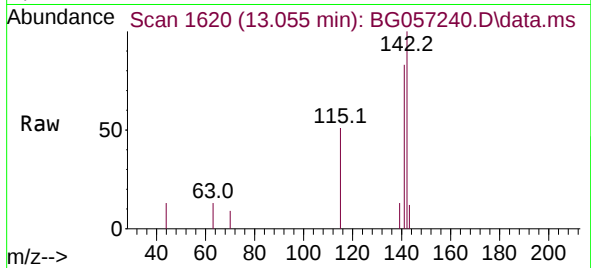
Tgt Ion:142 Resp: 3170
Ion Ratio Lower Upper
142 100
141 81.7 68.7 103.1





#37
1-Methylnaphthalene
Concen: 1.183 ng/ul
RT: 13.055 min Scan# 1620
Delta R.T. -0.004 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

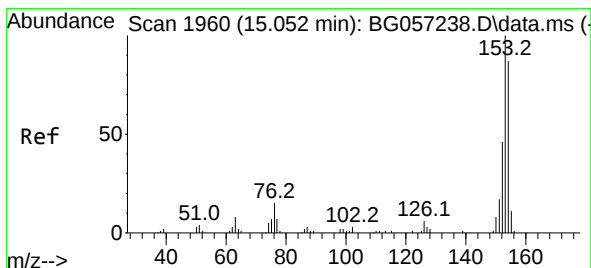
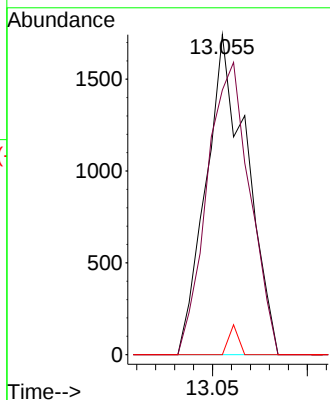
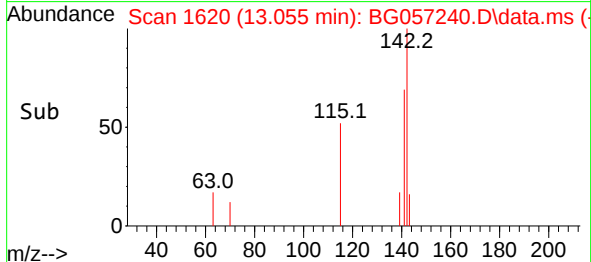
Instrument :
BNA_G
ClientSampleId :
EW8Y2



Tgt Ion:142 Resp: 2612
Ion Ratio Lower Upper
142 100
141 82.7 72.9 109.3
116 0.0 3.2 4.8

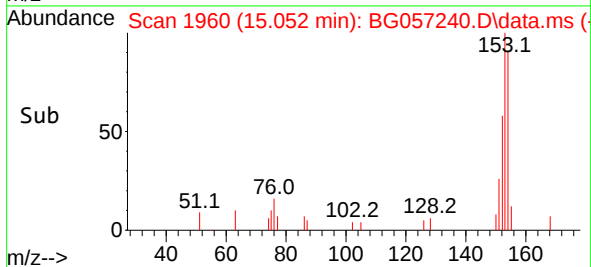
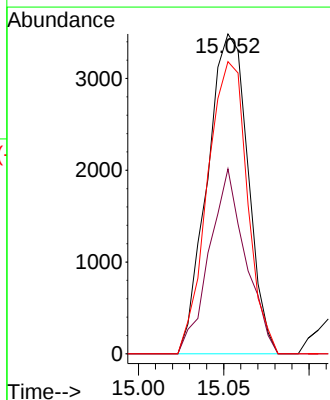
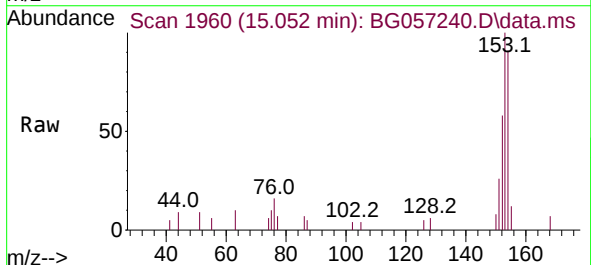
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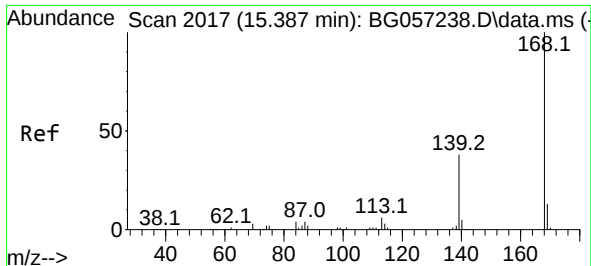
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#52
Acenaphthene
Concen: 2.058 ng/ul
RT: 15.052 min Scan# 1960
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

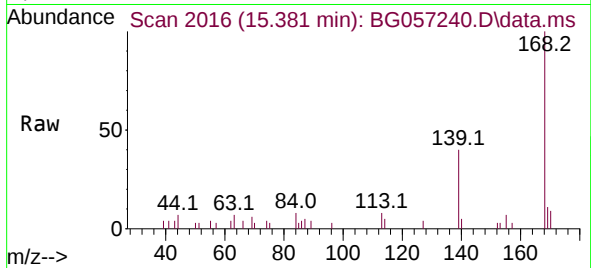
Tgt Ion:153 Resp: 5768
Ion Ratio Lower Upper
153 100
152 57.8 36.5 54.7#
154 91.3 70.6 106.0





#56
Dibenzofuran
Concen: 1.925 ng/ul
RT: 15.381 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

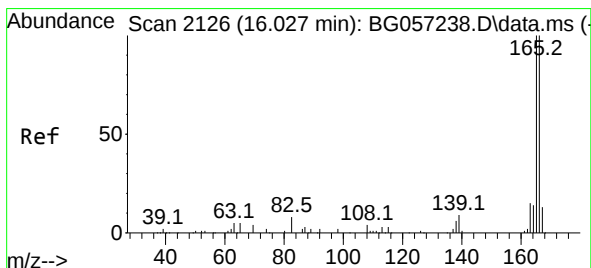
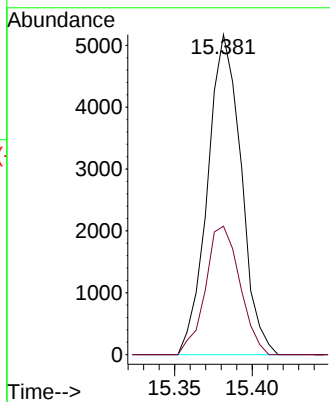
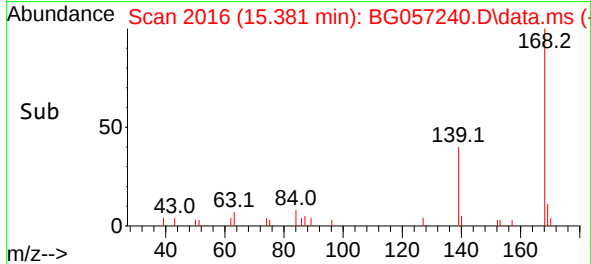
Instrument :
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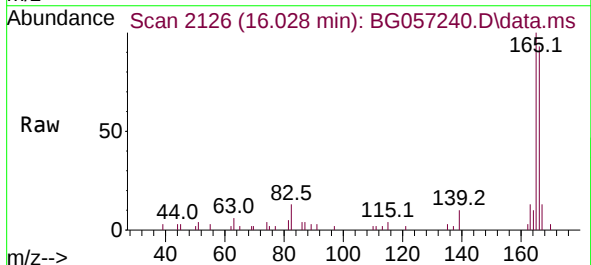
Tgt Ion:168 Resp: 7791
Ion Ratio Lower Upper
168 100
139 40.1 29.6 44.4

Manual Integrations
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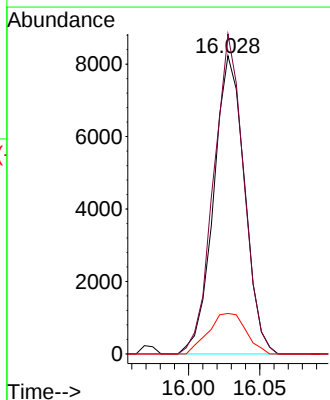
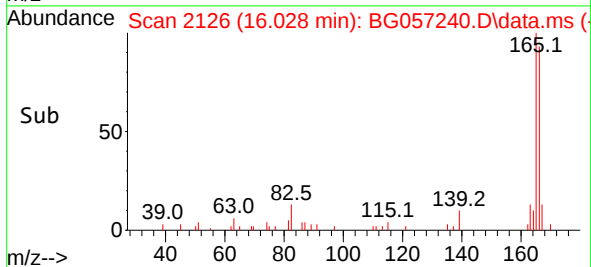
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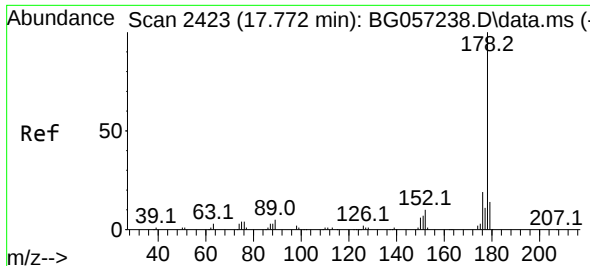


#61
Fluorene
Concen: 3.642 ng/ul
RT: 16.028 min Scan# 2126
Delta R.T. -0.004 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13



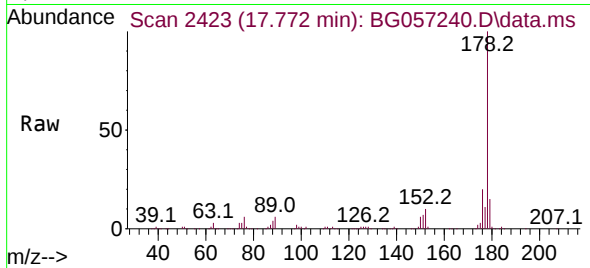
Tgt Ion:166 Resp: 12466
Ion Ratio Lower Upper
166 100
165 107.3 80.1 120.1
167 13.6 10.2 15.4





#72
Phenanthrene
Concen: 39.337 ng/ul
RT: 17.772 min Scan# 2423
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

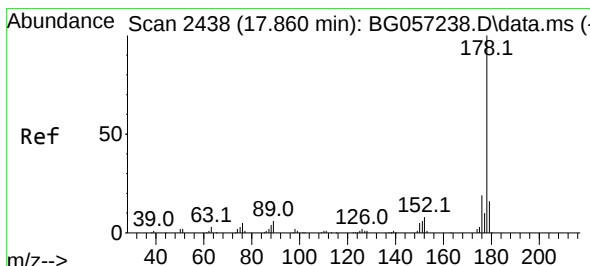
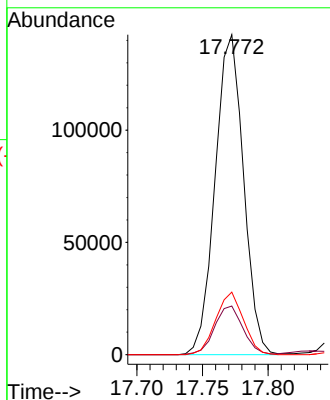
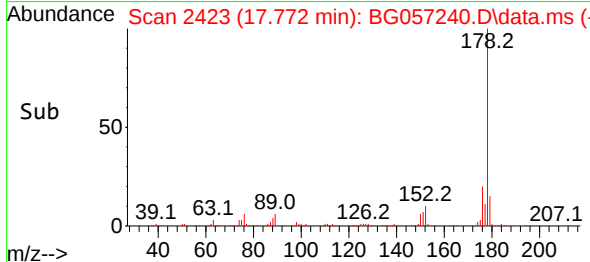
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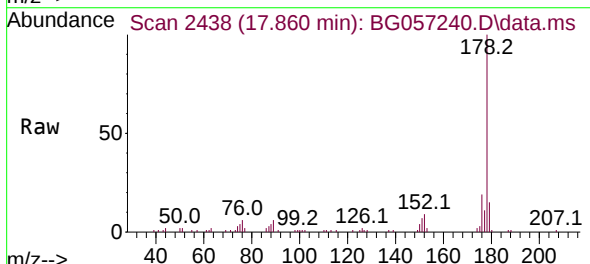
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Ion Ratio Lower Upper
178 100
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176 19.5 15.4 23.0

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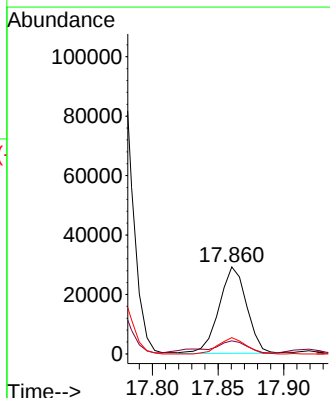
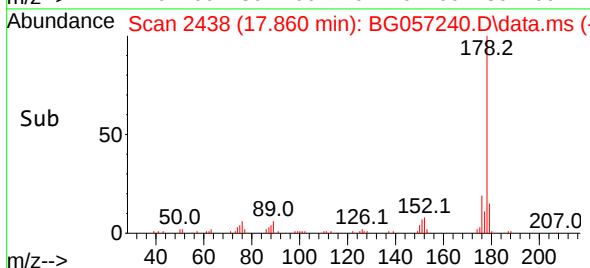
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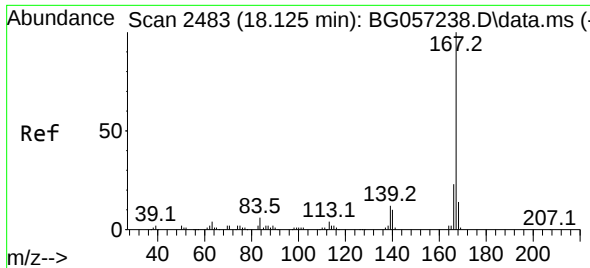


#74
Anthracene
Concen: 7.809 ng/ul
RT: 17.860 min Scan# 2438
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13



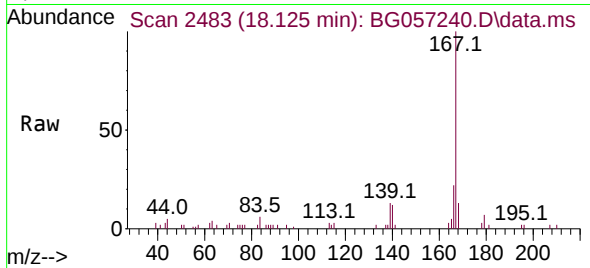
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Ion Ratio Lower Upper
178 100
179 15.1 12.5 18.7
176 18.8 14.7 22.1





#77
 Carbazole
 Concen: 3.681 ng/ul
 RT: 18.125 min Scan# 2483
 Delta R.T. 0.001 min
 Lab File: BG057240.D
 Acq: 29 Apr 2023 7:13

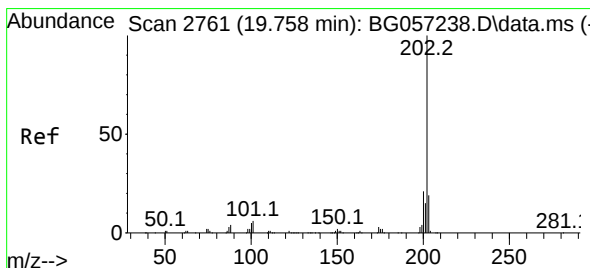
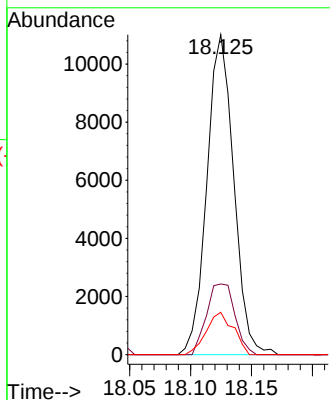
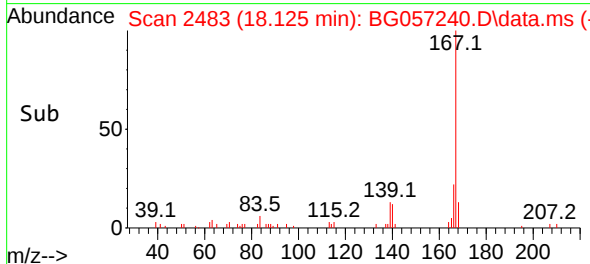
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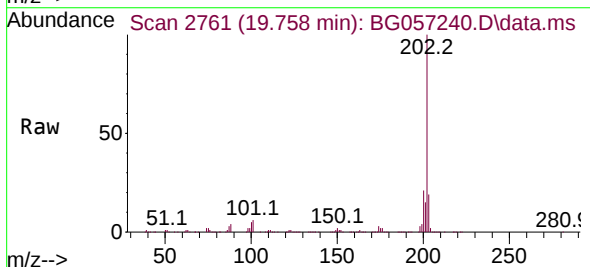
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 Ion Ratio Lower Upper
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 139 13.2 10.3 15.5

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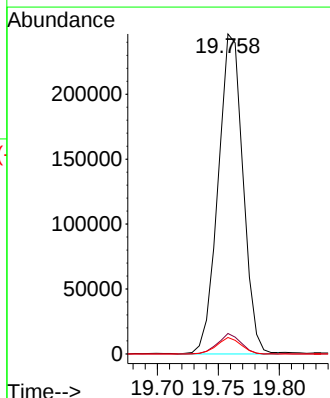
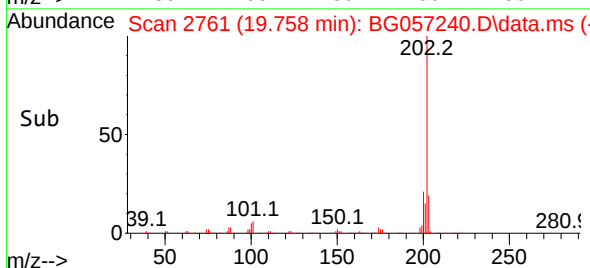
Reviewed By :Christian Giraldo 05/01/2023
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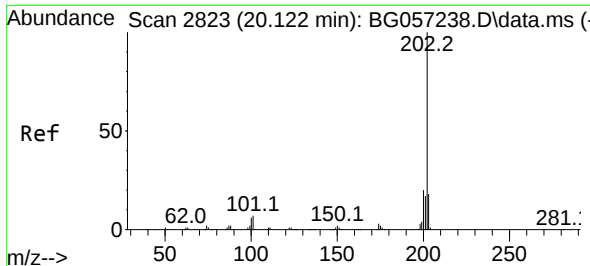


#80
 Fluoranthene
 Concen: 50.074 ng/ul
 RT: 19.758 min Scan# 2761
 Delta R.T. 0.001 min
 Lab File: BG057240.D
 Acq: 29 Apr 2023 7:13



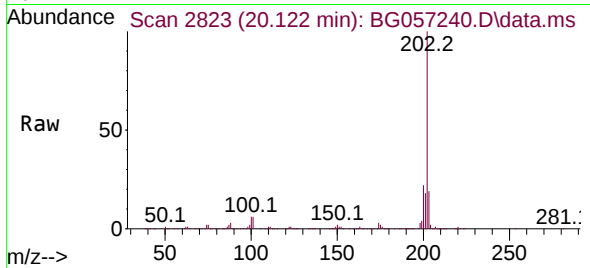
Tgt Ion:202 Resp: 349248
 Ion Ratio Lower Upper
 202 100
 101 6.4 5.8 8.6
 100 5.1 4.6 7.0





#82
 Pyrene
 Concen: 42.125 ng/ul
 RT: 20.122 min Scan# 2823
 Delta R.T. 0.001 min
 Lab File: BG057240.D
 Acq: 29 Apr 2023 7:13

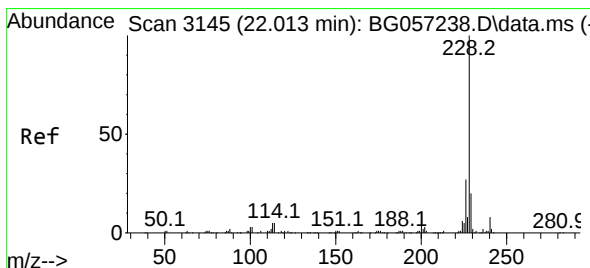
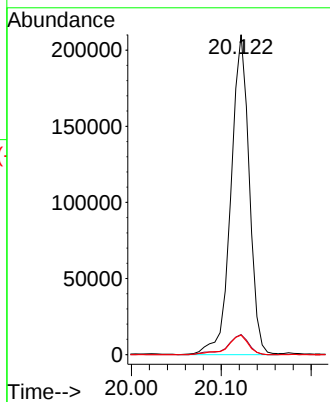
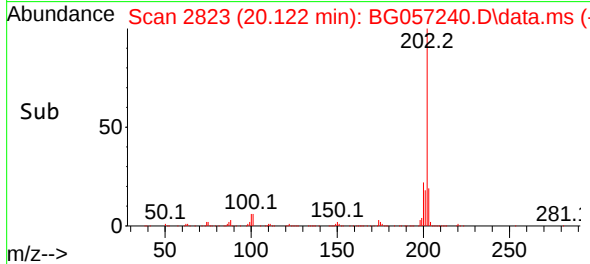
Instrument :
 BNA_G
 ClientSampleId :
 EW8Y2



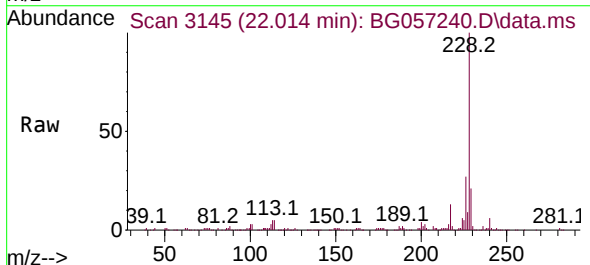
Tgt Ion:202 Resp: 297436
 Ion Ratio Lower Upper
 202 100
 101 6.3 5.7 8.5
 100 6.1 6.0 9.0

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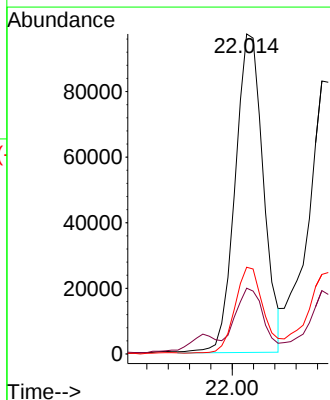
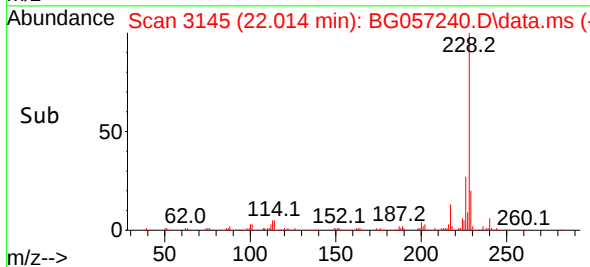
Reviewed By :Christian Giraldo 05/01/2023
 Supervised By :Jagrut Upadhyay 05/01/2023

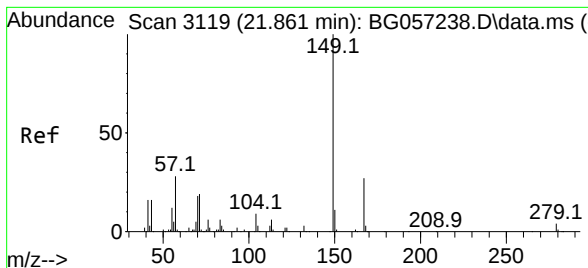


#85
 Benzo(a)anthracene
 Concen: 25.517 ng/ul
 RT: 22.014 min Scan# 3145
 Delta R.T. 0.001 min
 Lab File: BG057240.D
 Acq: 29 Apr 2023 7:13



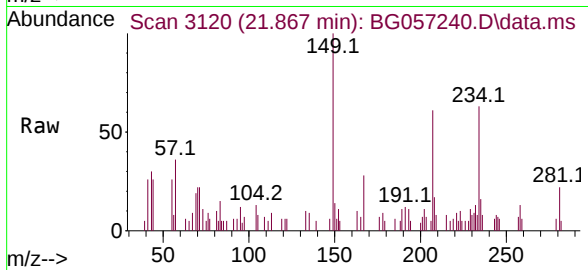
Tgt Ion:228 Resp: 178517
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.8 23.6
 226 27.1 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.653 ng/ul
RT: 21.867 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

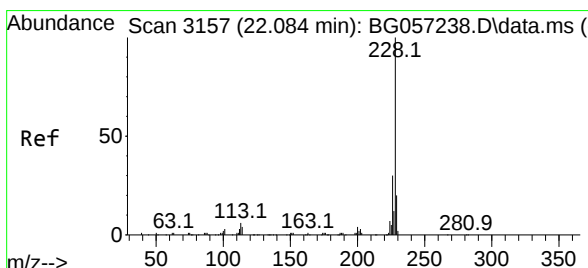
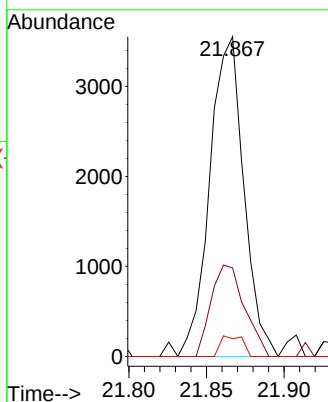
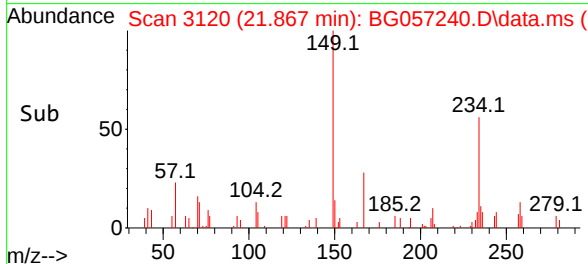
Instrument :
BNA_G
ClientSampleId :
EW8Y2



Tgt Ion:149 Resp: 5436
Ion Ratio Lower Upper
149 100
167 27.7 23.0 34.6
279 5.6 3.6 5.4

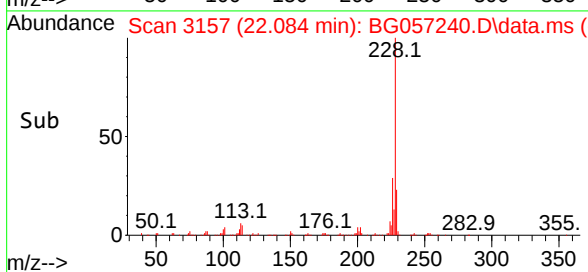
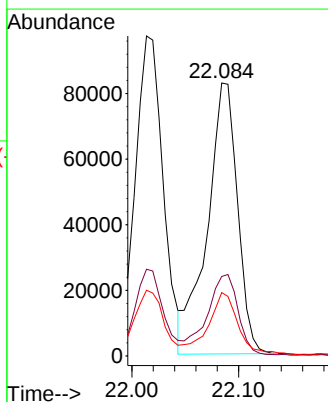
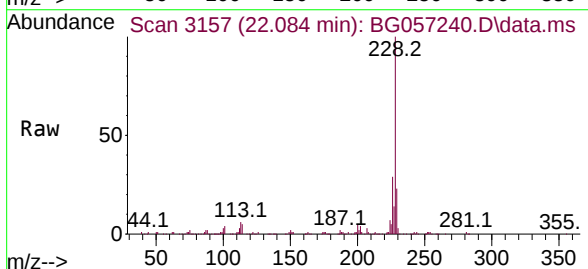
Manual Integrations
APPROVED

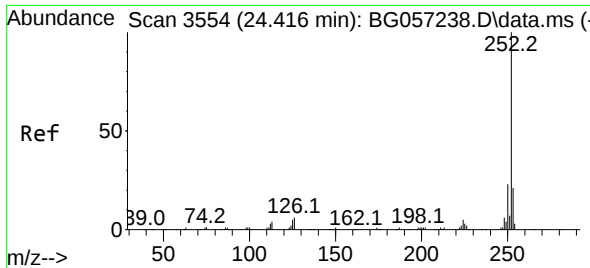
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#87
Chrysene
Concen: 24.826 ng/ul
RT: 22.084 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

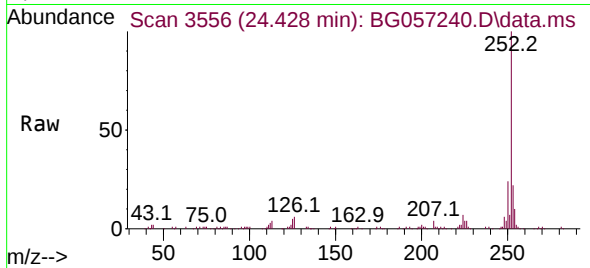
Tgt Ion:228 Resp: 163863
Ion Ratio Lower Upper
228 100
226 29.1 22.8 34.2
229 23.2 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 27.440 ng/ul
RT: 24.428 min Scan# 3556
Delta R.T. 0.007 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

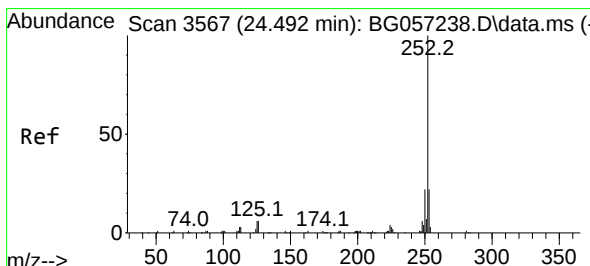
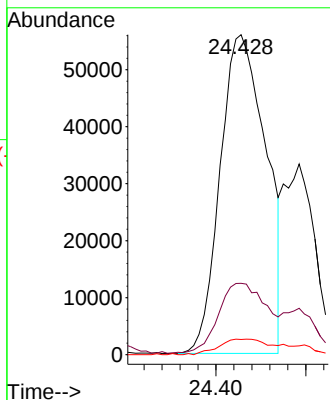
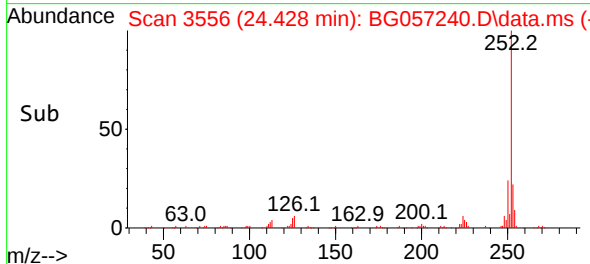
Instrument :
BNA_G
ClientSampleId :
EW8Y2



Tgt Ion:252 Resp: 19831
Ion Ratio Lower Upper
252 100
253 22.3 16.7 25.1
125 4.7 4.8 7.2

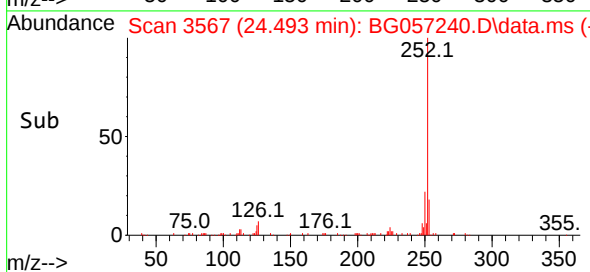
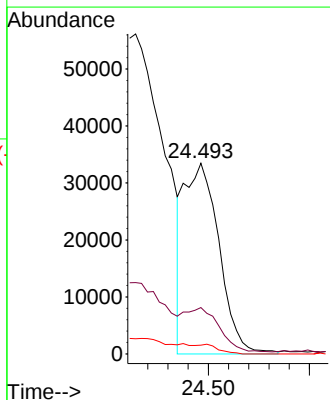
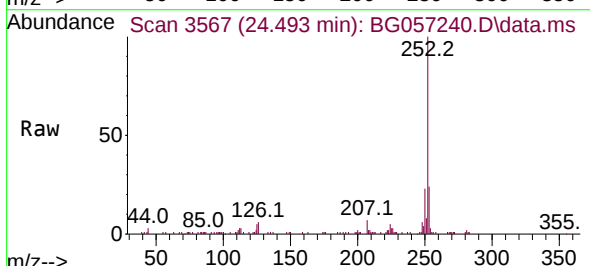
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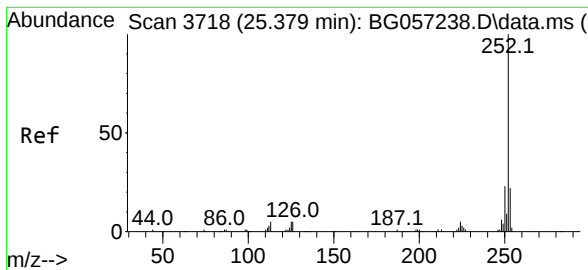
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#91
Benzo(k)fluoranthene
Concen: 11.496 ng/ul m
RT: 24.493 min Scan# 3567
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

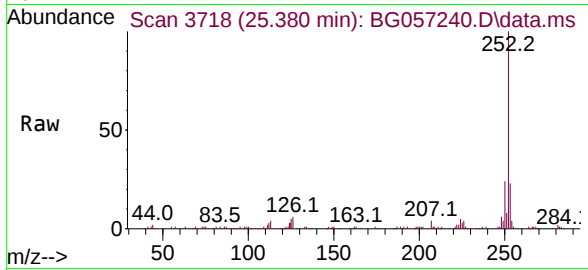
Tgt Ion:252 Resp: 80833
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 4.6 4.5 6.7





#93
Benzo(a)pyrene
Concen: 23.618 ng/ul m
RT: 25.380 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

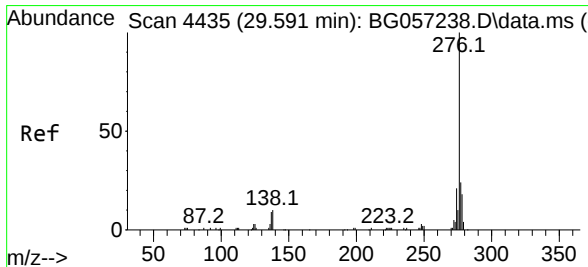
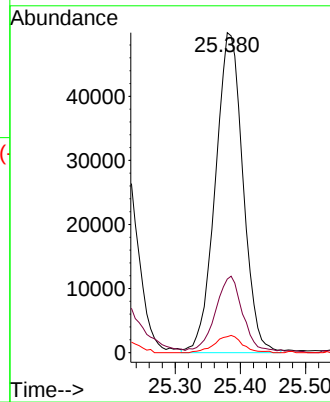
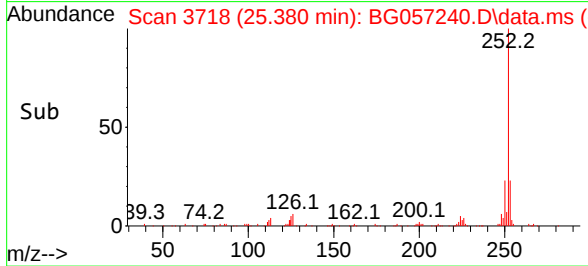
Instrument :
BNA_G
ClientSampleId :
EW8Y2



Tgt Ion:252 Resp: 147363
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 5.0 5.1 7.7

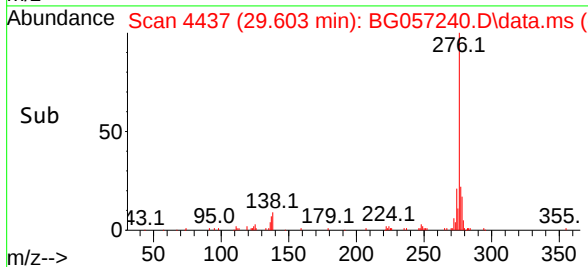
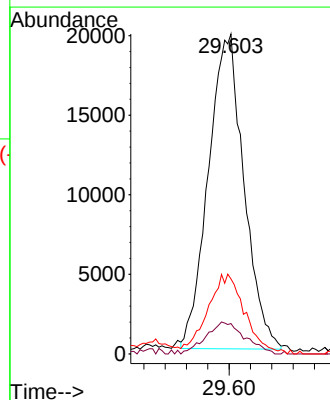
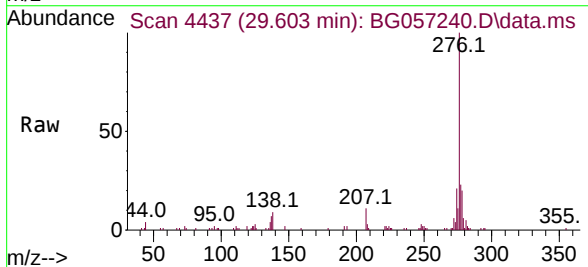
Manual Integrations
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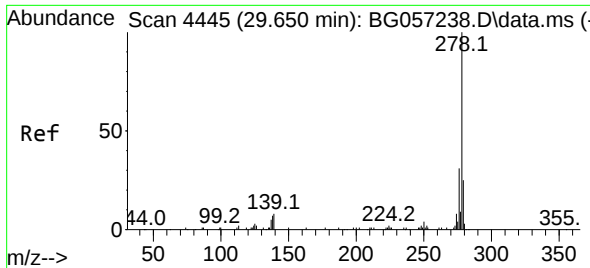
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 11.752 ng/ul
RT: 29.603 min Scan# 4437
Delta R.T. 0.013 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

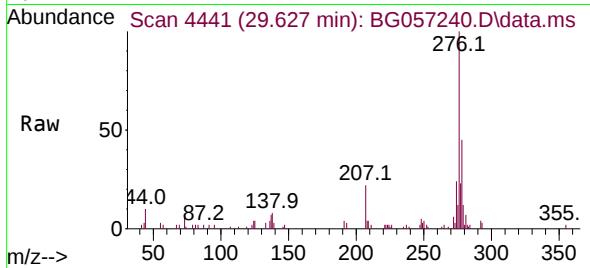
Tgt Ion:276 Resp: 91656
Ion Ratio Lower Upper
276 100
138 9.5 9.4 14.2
277 23.4 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 4.591 ng/ul m
RT: 29.627 min Scan# 4441
Delta R.T. -0.034 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13

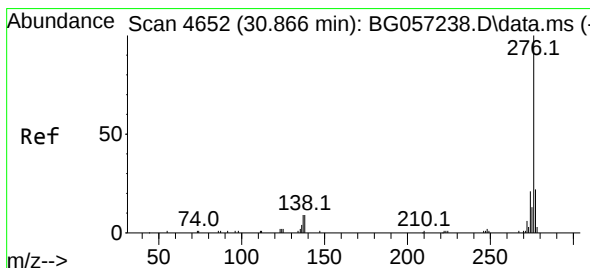
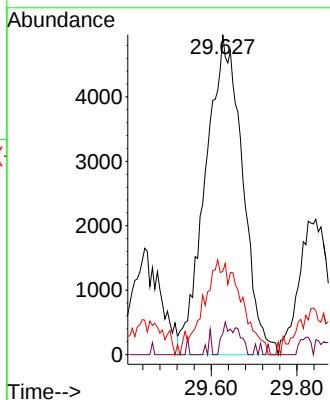
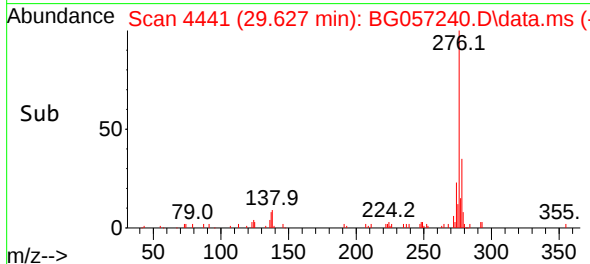
Instrument :
BNA_G
ClientSampleId :
EW8Y2



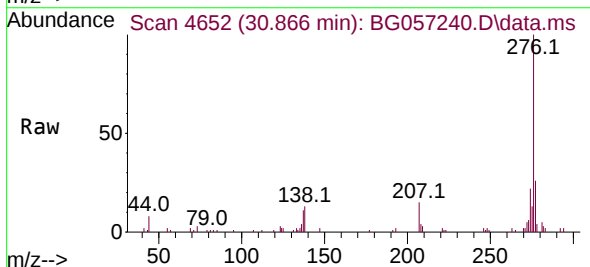
Tgt Ion:278 Resp: 29694
Ion Ratio Lower Upper
278 100
139 6.6 5.8 8.6
279 26.0 18.3 27.5

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: 12.771 ng/ul m
RT: 30.866 min Scan# 4652
Delta R.T. 0.007 min
Lab File: BG057240.D
Acq: 29 Apr 2023 7:13



Tgt Ion:276 Resp: 80615
Ion Ratio Lower Upper
276 100
138 12.8 8.7 13.1
277 26.2 18.4 27.6

