

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057284.D
 Acq On : 3 May 2023 13:09
 Operator : CG/JU
 Sample : 02419-33
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW928

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:43:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	16261	20.000	ng/u1	0.00
20) Naphthalene-d8	11.216	136	64627	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.987	164	48005	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	109895	20.000	ng/u1	0.00
79) Chrysene-d12	22.048	240	95412	20.000	ng/u1	# 0.00
88) Perylene-d12	25.573	264	101379	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	756	2.046	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.515	99	17692	11.505	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	10992	12.153	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	13689	13.508	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	13234	11.323	ng/u1	0.00
21) Nitrobenzene-d5	9.547	128	7438	14.452	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	8809	14.666	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	15269	13.176	ng/u1	0.00
31) 4-Chloroaniline-d4	11.339	131	11015	7.172	ng/u1	0.00
46) Dimethylphthalate-d6	14.370	166	56649	14.893	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	65570	15.337	ng/u1	0.00
54) 4-Nitrophenol-d4	15.192	143	2181m	3.939	ng/u1	0.01
60) Fluorene-d10	15.974	176	51116	14.425	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	3058m	4.697	ng/u1	0.00
73) Anthracene-d10	17.830	188	79076	15.764	ng/u1	0.00
81) Pyrene-d10	20.098	212	89381	15.782	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.332	264	83847	16.234	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.556	94	2715m	1.752	ng/u1	
16) Acetophenone	9.206	105	9632	4.789	ng/u1	98
30) Naphthalene	11.262	128	7655	2.157	ng/u1#	95
36) 2-Methylnaphthalene	12.843	142	4719	1.813	ng/u1	99
37) 1-Methylnaphthalene	13.060	142	3885	1.485	ng/u1#	88
50) Acenaphthylene	14.717	152	6546m	1.507	ng/u1	
52) Acenaphthene	15.052	153	7357	2.377	ng/u1	97
56) Dibenzofuran	15.380	168	13406	2.999	ng/u1	94
61) Fluorene	16.027	166	12571	3.326	ng/u1#	96
72) Phenanthrene	17.771	178	218449	38.172	ng/u1	98
74) Anthracene	17.865	178	54411	9.465	ng/u1	99
77) Carbazole	18.130	167	11173	2.326	ng/u1	96
80) Fluoranthene	19.763	202	385953	57.370	ng/u1	96
82) Pyrene	20.127	202	339696	49.879	ng/u1#	97
83) Butylbenzylphthalate	20.973	149	4019	1.843	ng/u1#	87
85) Benzo(a)anthracene	22.024	228	212441	31.482	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.872	149	30958	9.760	ng/u1	99
87) Chrysene	22.095	228	191470m	30.075	ng/u1	
90) Benzo(b)fluoranthene	24.451	252	247506	35.255	ng/u1	95
91) Benzo(k)fluoranthene	24.509	252	90881m	13.306	ng/u1	
93) Benzo(a)pyrene	25.408	252	192629m	31.782	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.644	276	122416	16.158	ng/u1#	97
95) Dibenzo(a,h)anthracene	29.667	278	36181m	5.759	ng/u1	
96) Benzo(g,h,i)perylene	30.907	276	112558m	18.357	ng/u1	

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

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

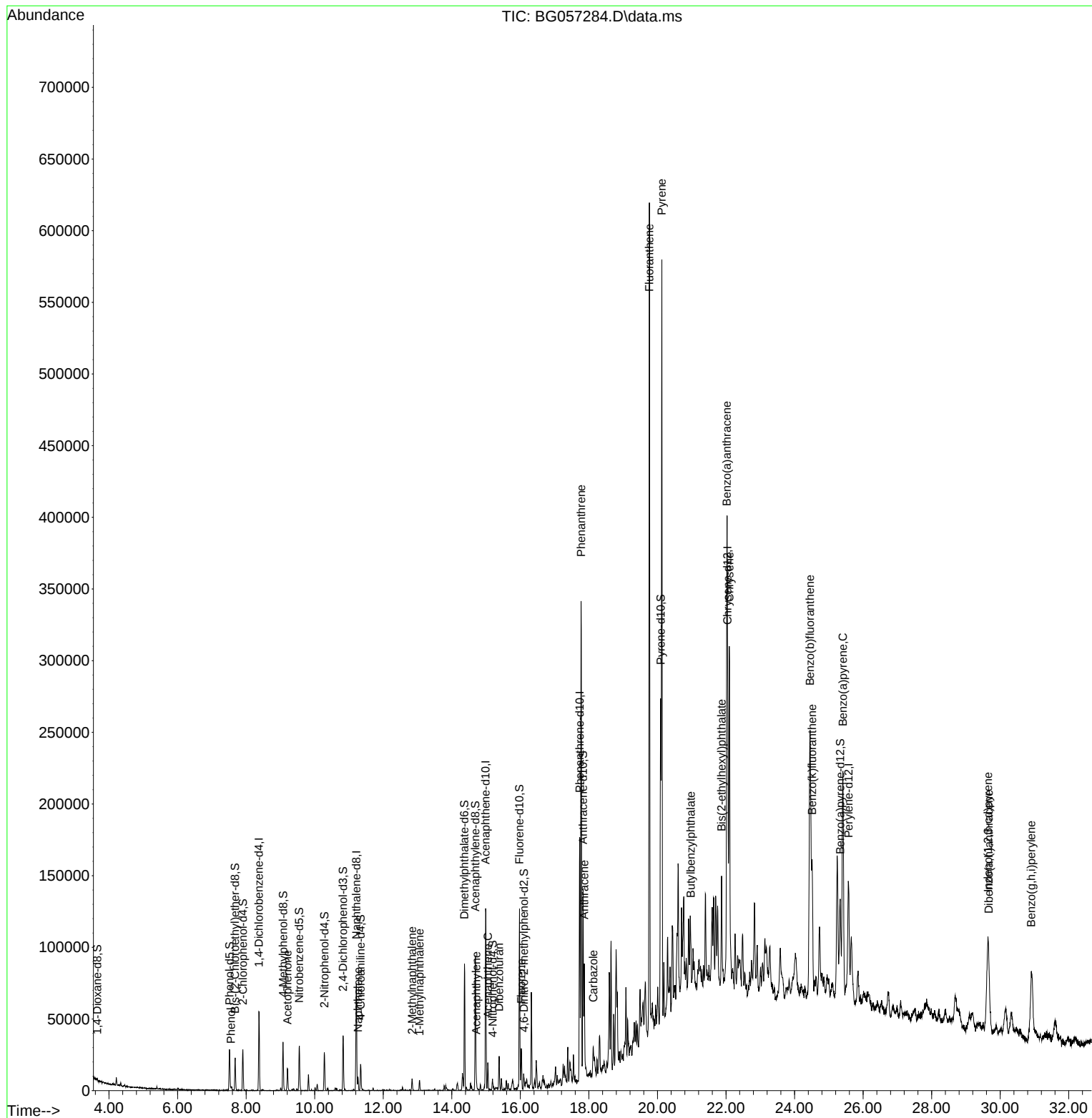
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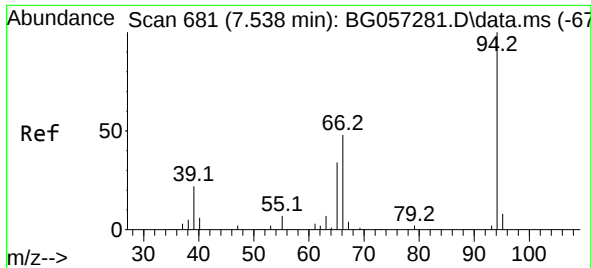
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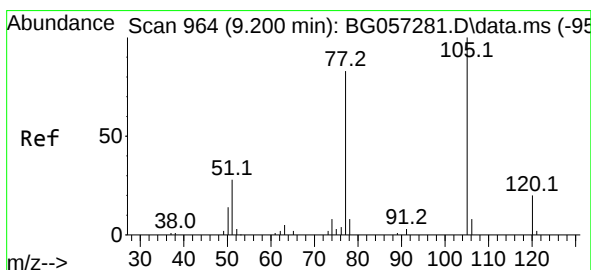
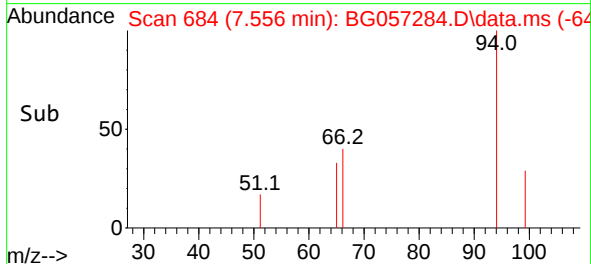
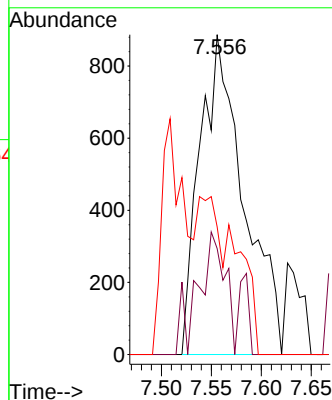
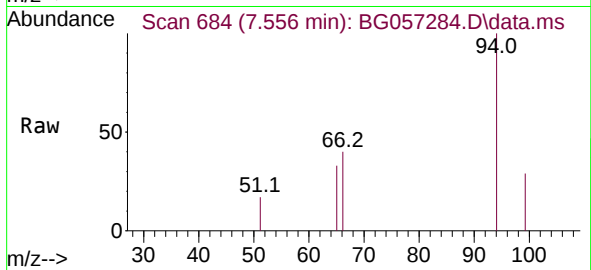
#8
Phenol
Concen: 1.752 ng/ul m
RT: 7.556 min Scan# 681
Delta R.T. 0.015 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
65 33.1 25.5 38.3
66 39.9 36.9 55.3

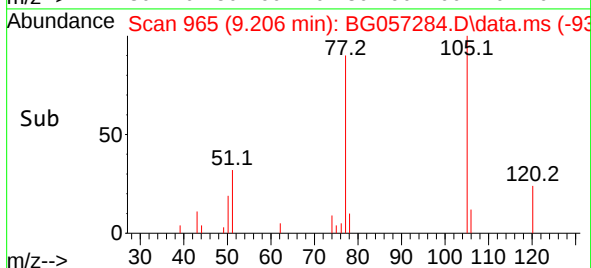
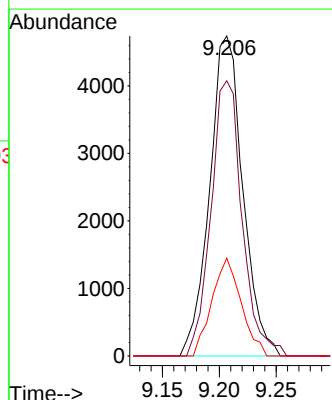
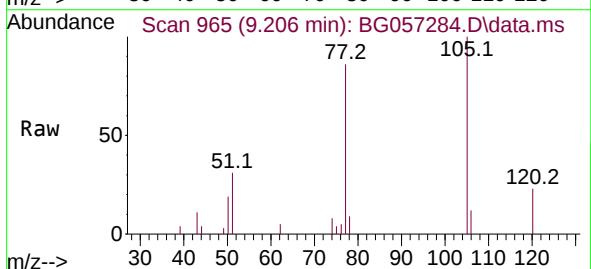
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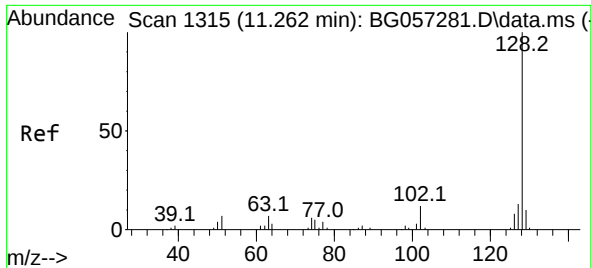
Reviewed By :Christian Giraldo 05/04/2023
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#16
Acetophenone
Concen: 4.789 ng/ul
RT: 9.206 min Scan# 965
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

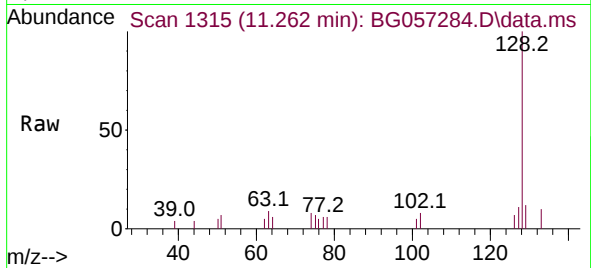
Tgt Ion:105 Resp: 9632
Ion Ratio Lower Upper
105 100
77 86.0 70.6 105.8
51 30.5 24.5 36.7





#30
Naphthalene
Concen: 2.157 ng/ul
RT: 11.262 min Scan# 1315
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

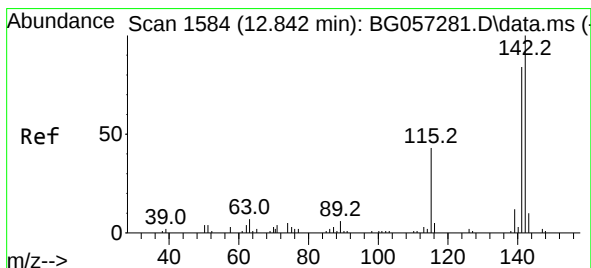
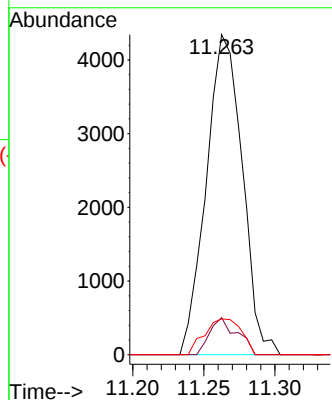
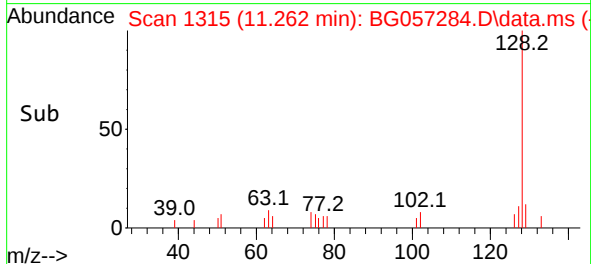
Instrument :
BNA_G
ClientSampleId :
EW928



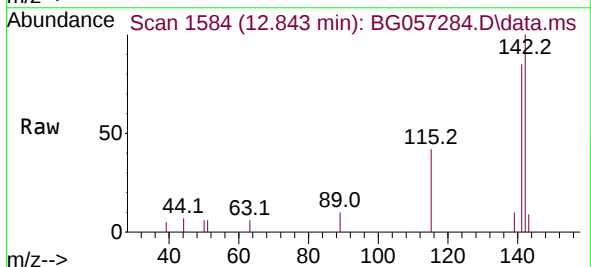
Tgt Ion:128 Resp: 7658
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 11.2 11.4 17.0

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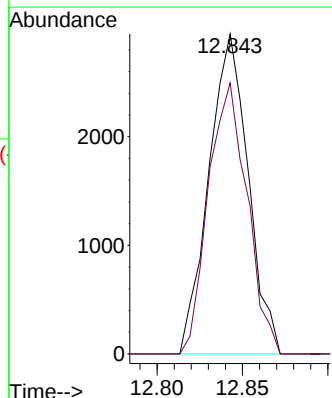
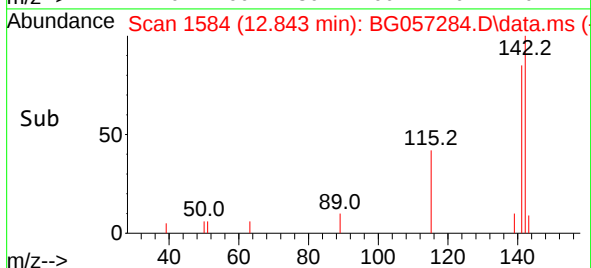
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

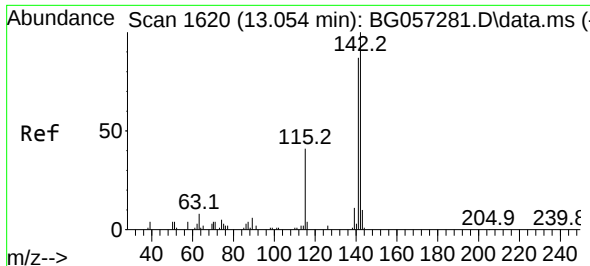


#36
2-Methylnaphthalene
Concen: 1.813 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09



Tgt Ion:142 Resp: 4719
Ion Ratio Lower Upper
142 100
141 84.7 68.7 103.1





#37

1-Methylnaphthalene

Concen: 1.485 ng/ul

RT: 13.060 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

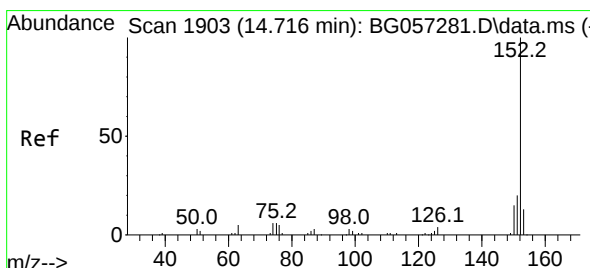
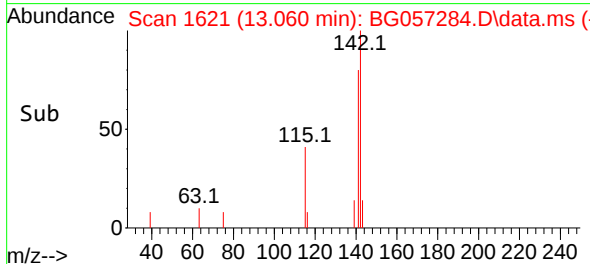
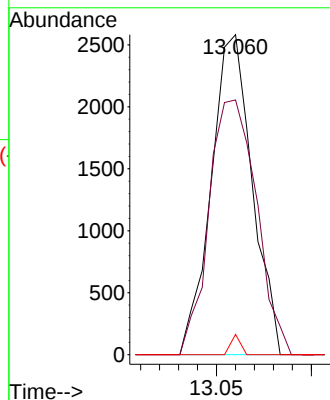
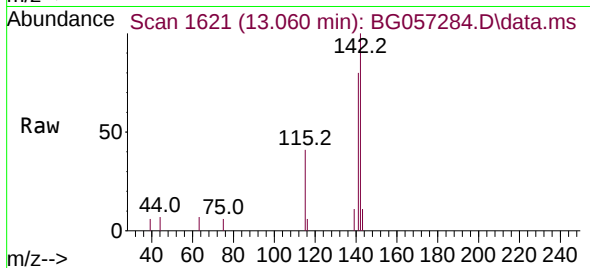
Tgt Ion:	142	Resp:	388
Ion	Ratio	Lower	Upper
142	100		
141	79.6	72.9	109.3
116	6.4	3.2	4.8

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#50

Acenaphthylene

Concen: 1.507 ng/ul m

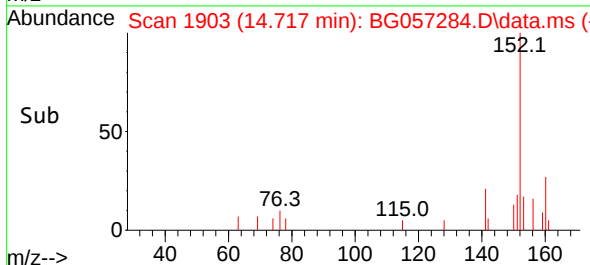
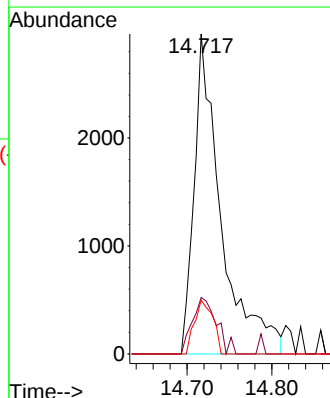
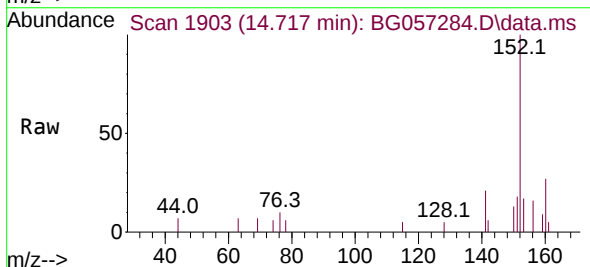
RT: 14.717 min Scan# 1903

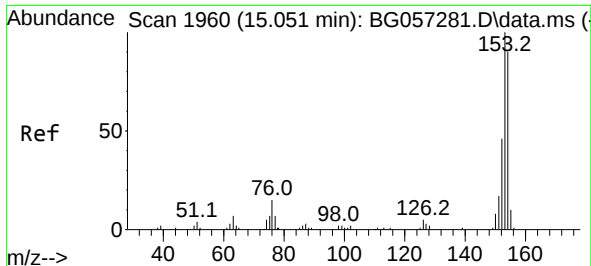
Delta R.T. -0.009 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

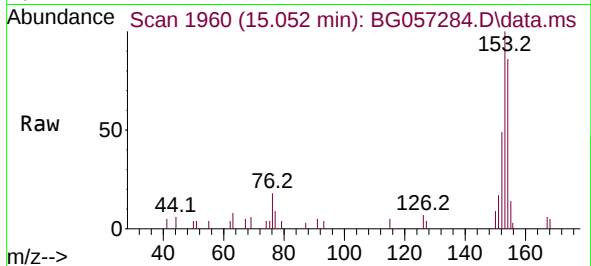
Tgt Ion:	152	Resp:	6546
Ion	Ratio	Lower	Upper
152	100		
151	17.6	16.3	24.5
153	16.8	10.1	15.1





#52
Acenaphthene
Concen: 2.377 ng/ul
RT: 15.052 min Scan# 1960
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

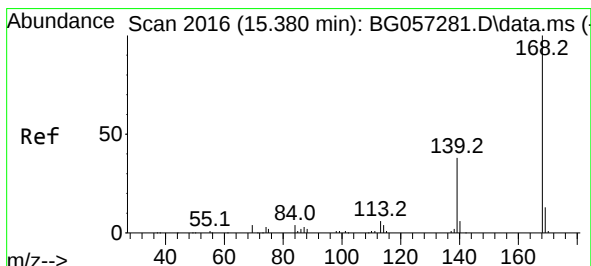
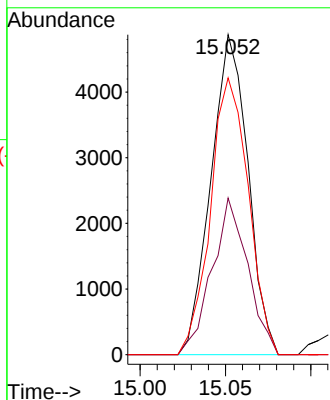
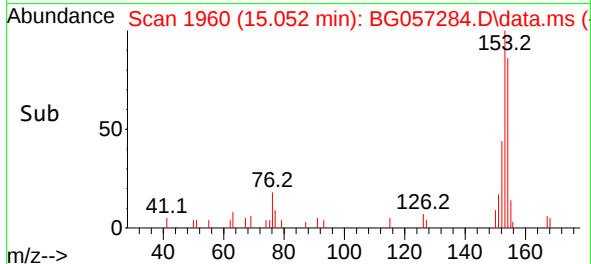
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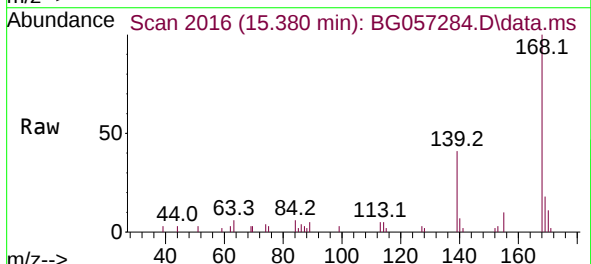
Tgt Ion:153 Resp: 735
Ion Ratio Lower Upper
153 100
152 49.0 36.5 54.7
154 86.5 70.6 106.0

Manual Integrations
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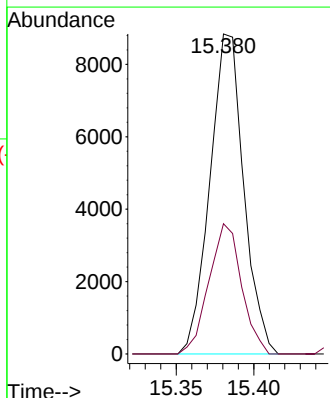
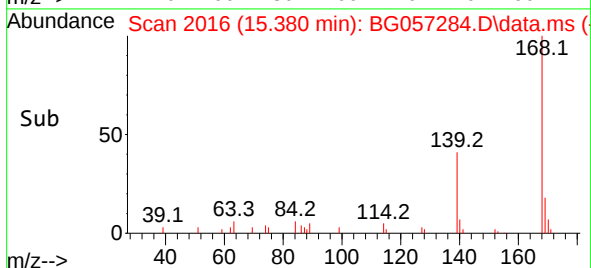
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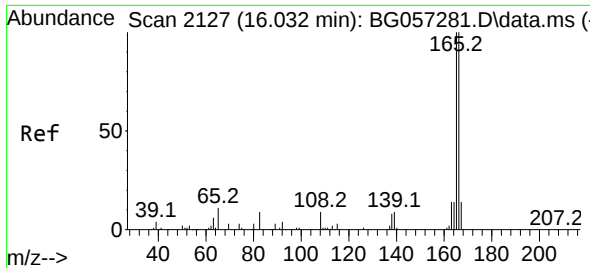


#56
Dibenzofuran
Concen: 2.999 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09



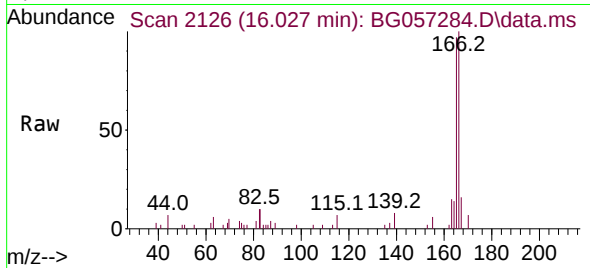
Tgt Ion:168 Resp: 13406
Ion Ratio Lower Upper
168 100
139 40.7 29.6 44.4





#61
Fluorene
Concen: 3.326 ng/ul
RT: 16.027 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

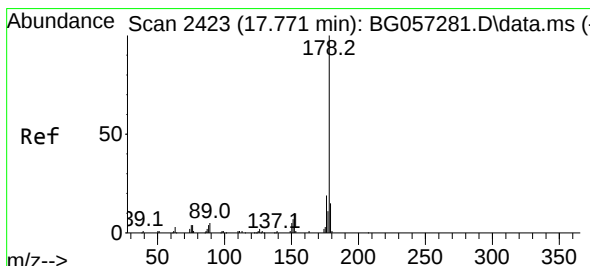
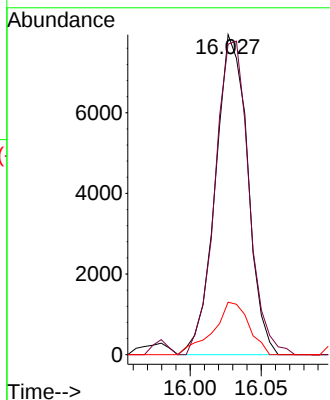
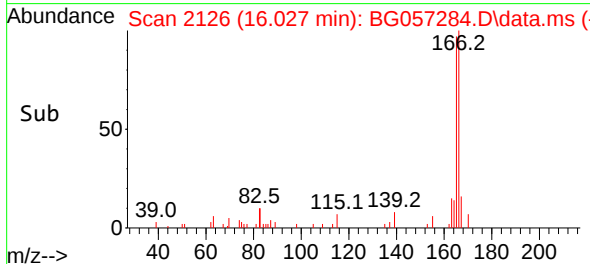
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Tgt Ion:166 Resp: 1257
Ion Ratio Lower Upper
166 100
165 97.0 80.1 120.1
167 16.4 10.2 15.4

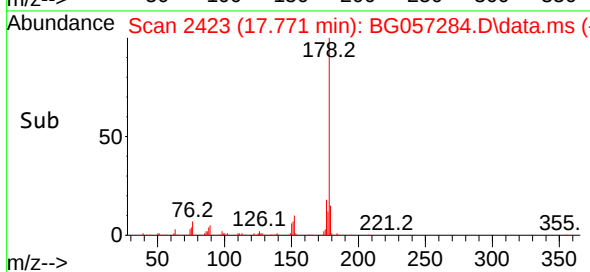
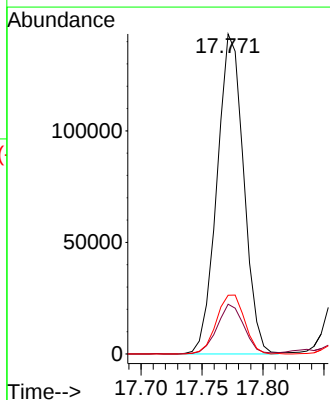
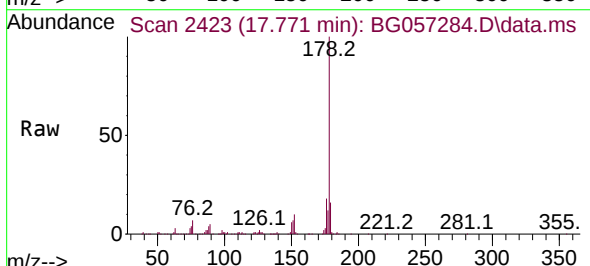
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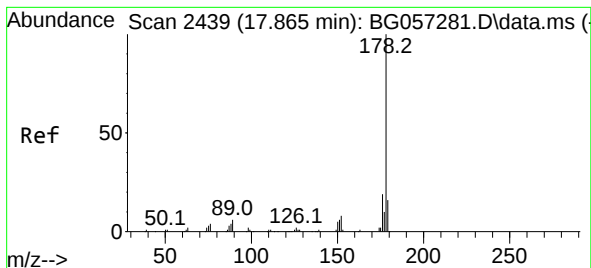
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#72
Phenanthrene
Concen: 38.172 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:178 Resp: 218449
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.8
176 18.4 15.4 23.0





#74

Anthracene

Concen: 9.465 ng/ul

RT: 17.865 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

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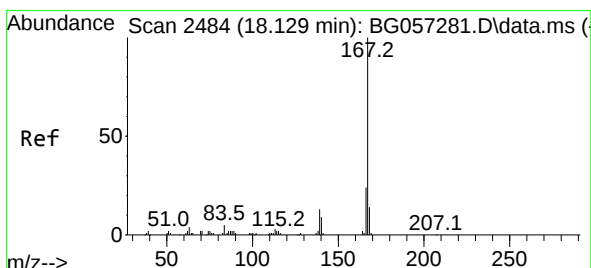
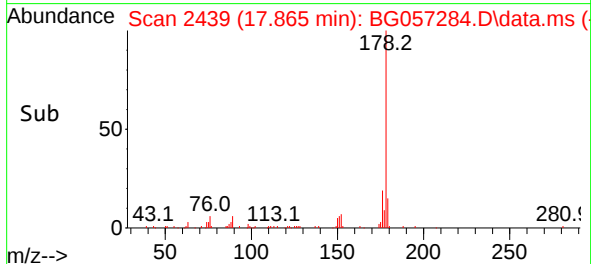
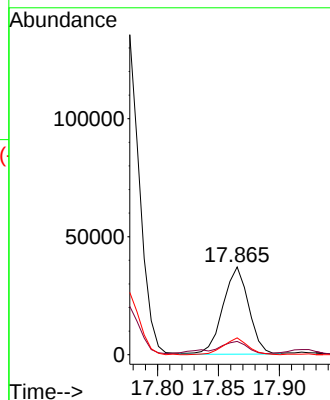
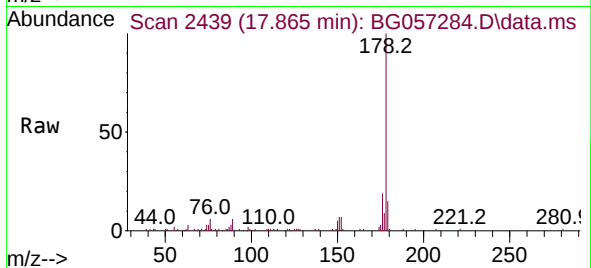
Tgt Ion:178	Resp:	5441
Ion Ratio	Lower	Upper
178	100	
179	15.2	12.5 18.7
176	19.2	14.7 22.1

Manual Integrations

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#77

Carbazole

Concen: 2.326 ng/ul

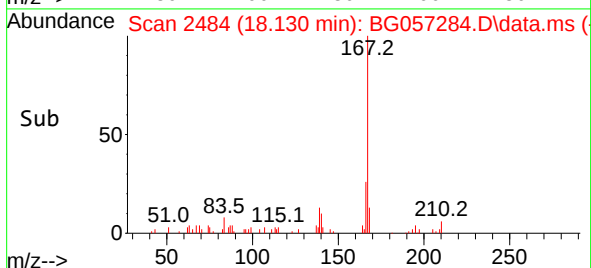
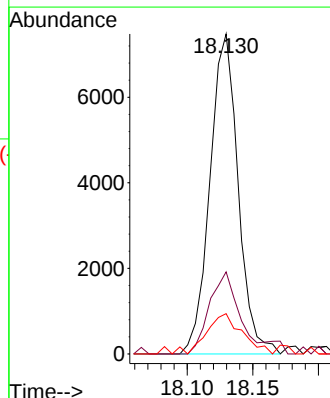
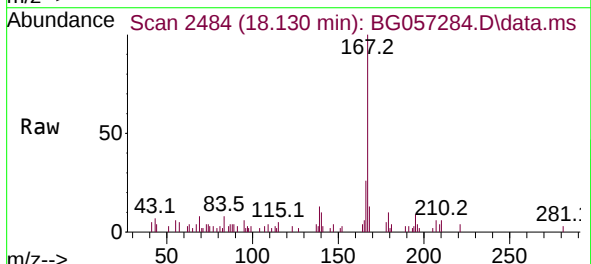
RT: 18.130 min Scan# 2484

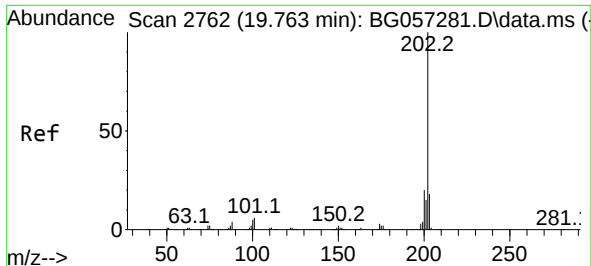
Delta R.T. -0.003 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

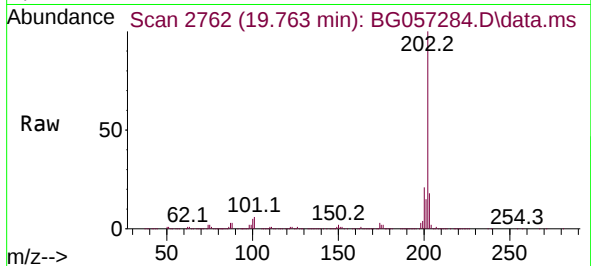
Tgt Ion:167	Resp:	11173
Ion Ratio	Lower	Upper
167	100	
166	25.6	18.0 27.0
139	12.6	10.3 15.5





#80
Fluoranthene
Concen: 57.370 ng/u1
RT: 19.763 min Scan# 2762
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

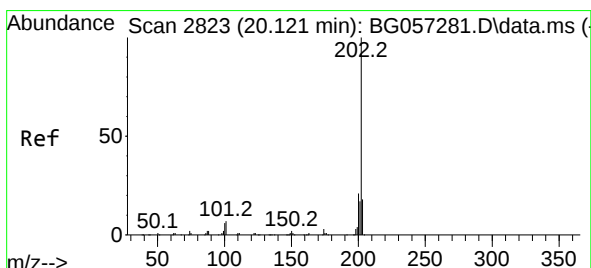
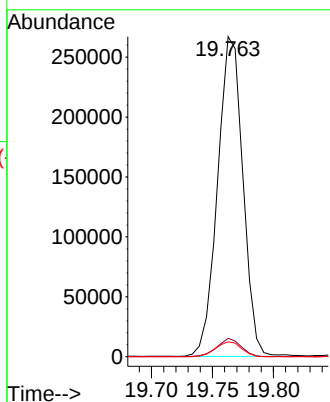
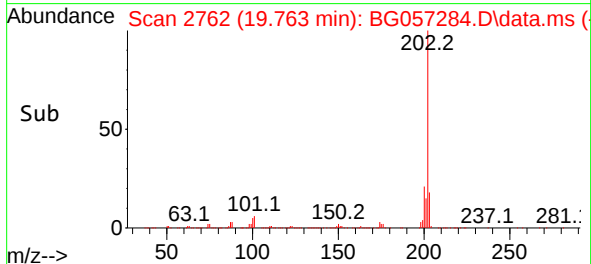
Instrument :
BNA_G
ClientSampleId :
EW928



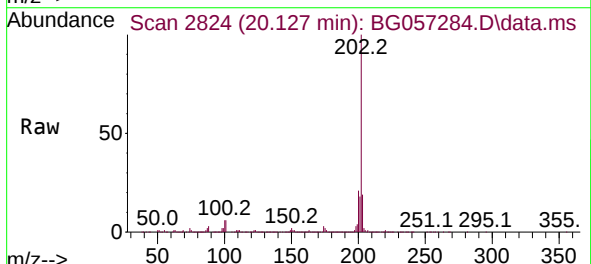
Tgt Ion:202 Resp: 38595
Ion Ratio Lower Upper
202 100
101 5.8 5.8 8.6
100 4.7 4.6 7.0

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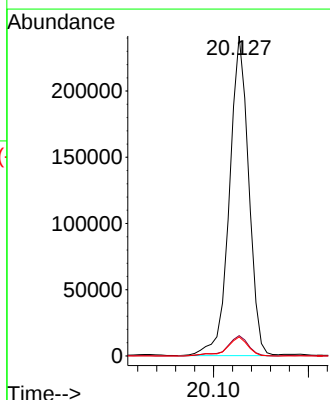
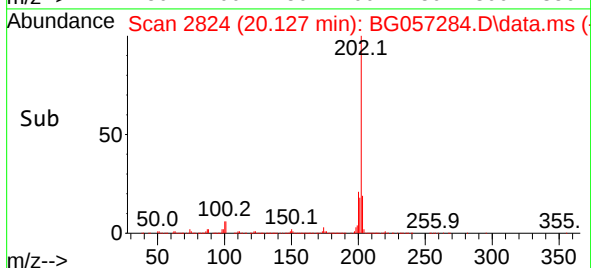
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

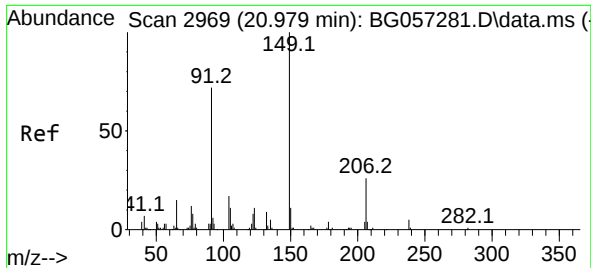


#82
Pyrene
Concen: 49.879 ng/u1
RT: 20.127 min Scan# 2824
Delta R.T. 0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09



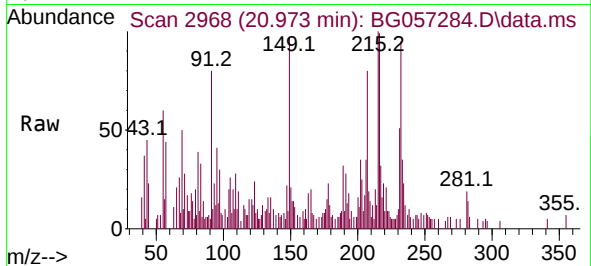
Tgt Ion:202 Resp: 339696
Ion Ratio Lower Upper
202 100
101 6.3 5.7 8.5
100 5.9 6.0 9.0#





#83
Butylbenzylphthalate
Concen: 1.843 ng/ul
RT: 20.973 min Scan# 2968
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

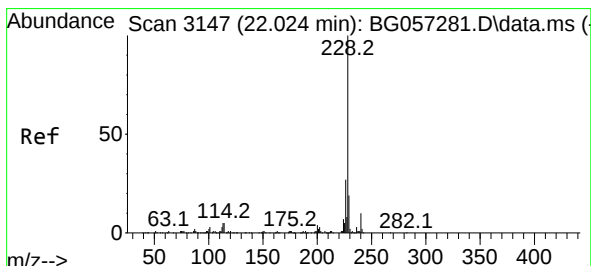
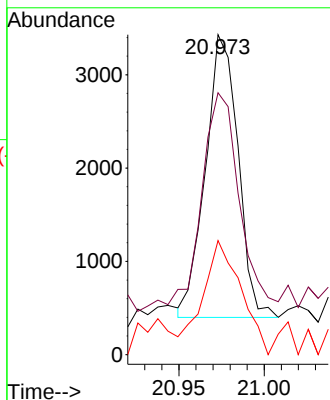
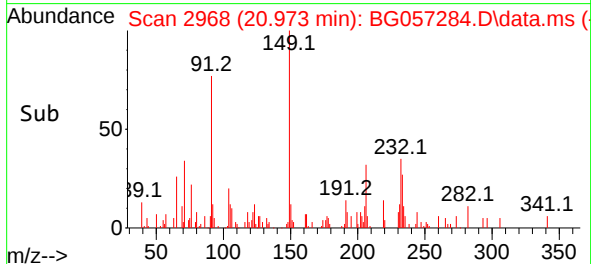
Instrument :
BNA_G
ClientSampleId :
EW928



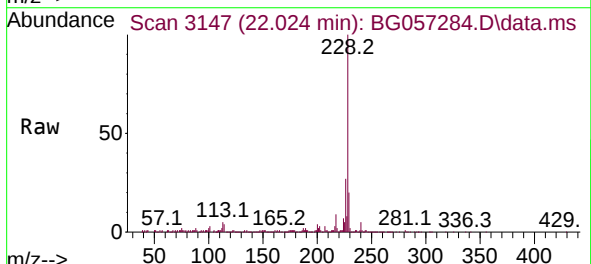
Tgt Ion:149 Resp: 4019
Ion Ratio Lower Upper
149 100
91 81.9 58.6 87.8
206 35.6 19.8 29.8

Manual Integrations
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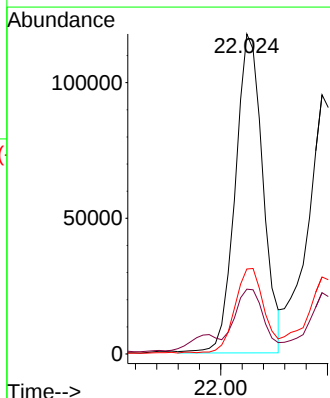
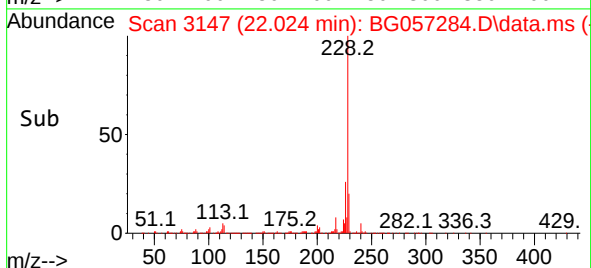
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

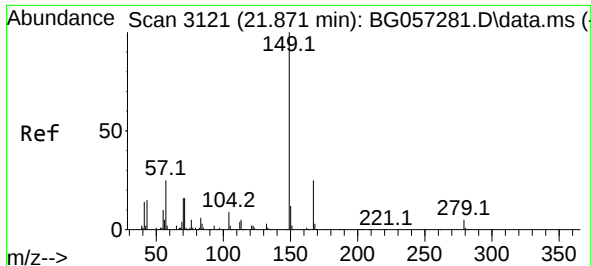


#85
Benzo(a)anthracene
Concen: 31.482 ng/ul
RT: 22.024 min Scan# 3147
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09



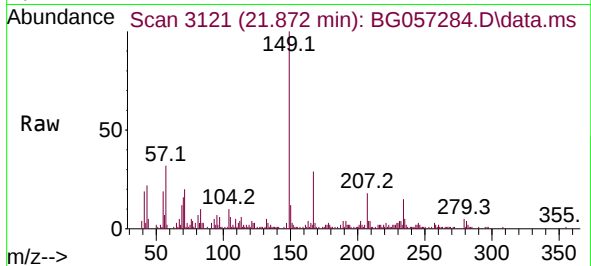
Tgt Ion:228 Resp: 212441
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 26.6 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 9.760 ng/ul
RT: 21.872 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

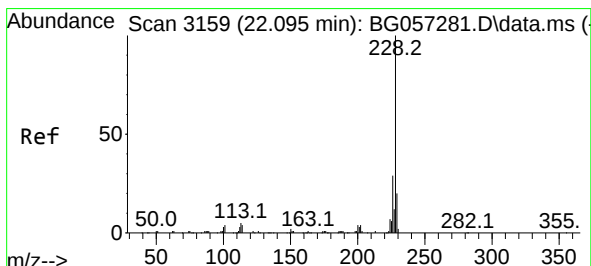
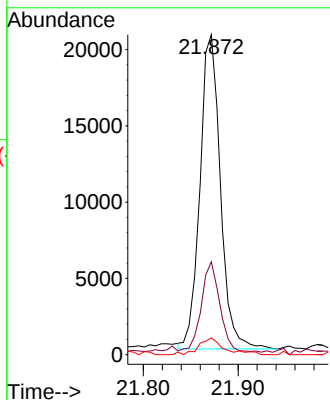
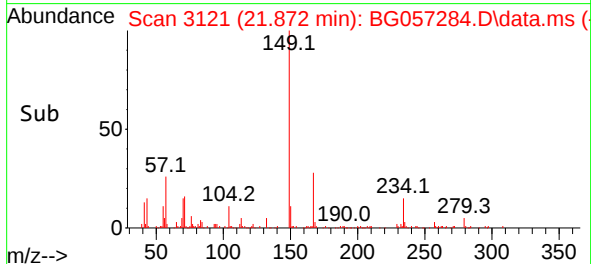
Instrument :
BNA_G
ClientSampleId :
EW928



Tgt Ion:149 Resp: 30958
Ion Ratio Lower Upper
149 100
167 29.1 23.0 34.6
279 5.2 3.6 5.4

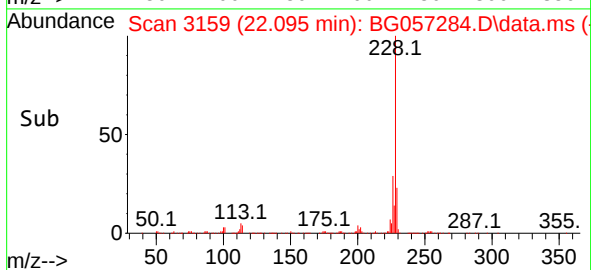
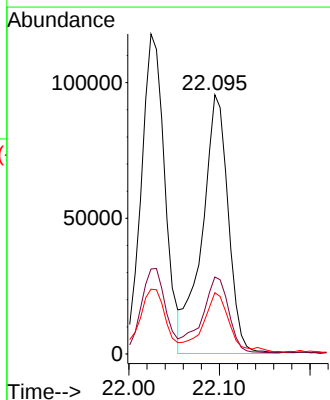
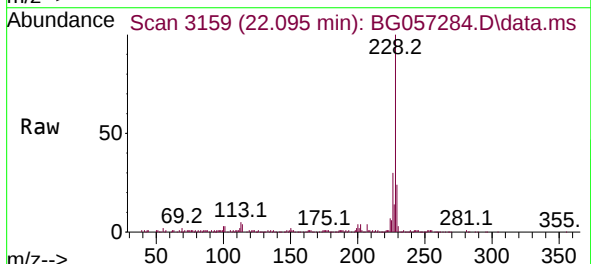
Manual Integrations
APPROVED

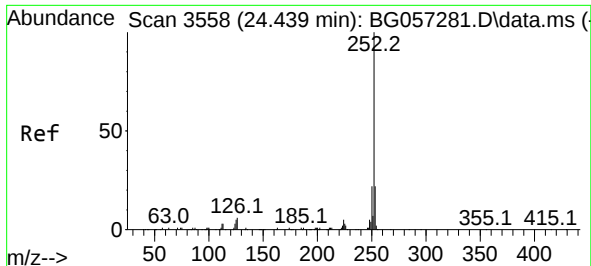
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#87
Chrysene
Concen: 30.075 ng/ul m
RT: 22.095 min Scan# 3159
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

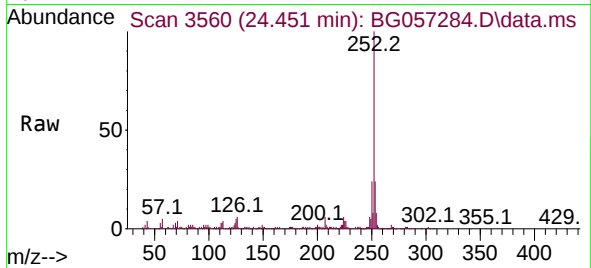
Tgt Ion:228 Resp: 191470
Ion Ratio Lower Upper
228 100
226 29.7 22.8 34.2
229 23.7 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 35.255 ng/ul
RT: 24.451 min Scan# 3560
Delta R.T. 0.015 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

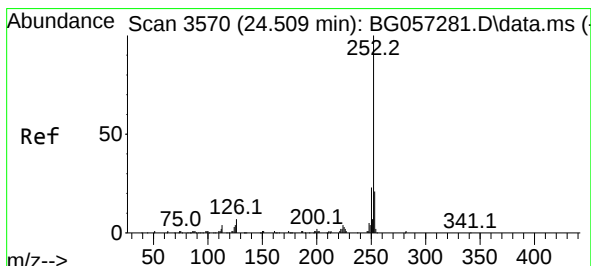
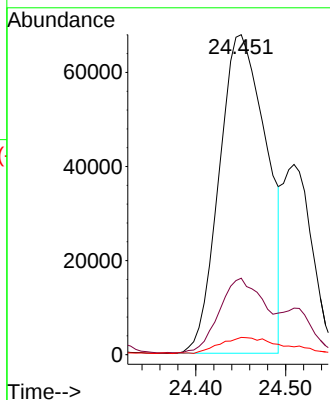
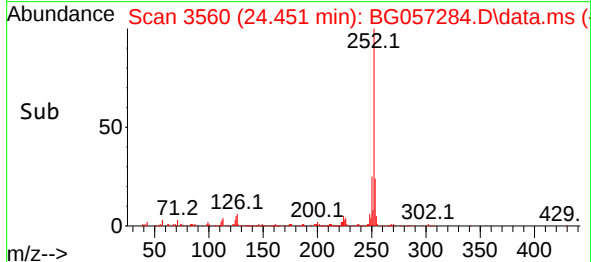
Instrument :
BNA_G
ClientSampleId :
EW928



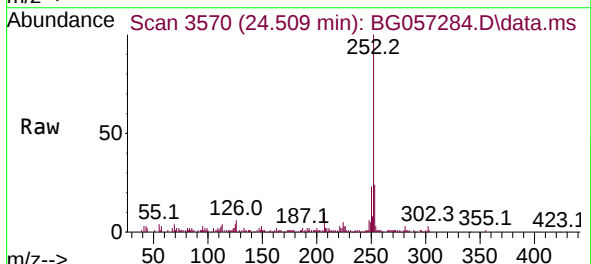
Tgt Ion:252 Resp: 247500
Ion Ratio Lower Upper
252 100
253 23.9 16.7 25.1
125 5.4 4.8 7.2

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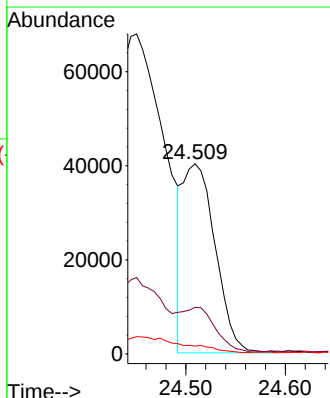
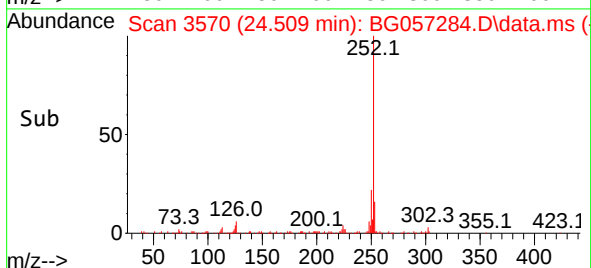
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

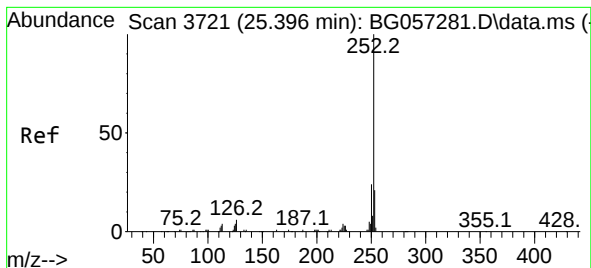


#91
Benzo(k)fluoranthene
Concen: 13.306 ng/ul m
RT: 24.509 min Scan# 3570
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09



Tgt Ion:252 Resp: 90881
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 4.1 4.5 6.7#





#93

Benzo(a)pyrene

Concen: 31.782 ng/ul m

RT: 25.408 min Scan# 3

Delta R.T. 0.009 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

Tgt Ion:252 Resp: 192629

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

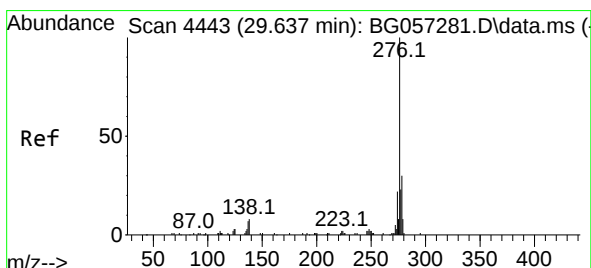
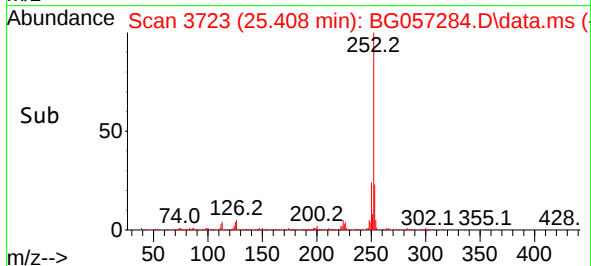
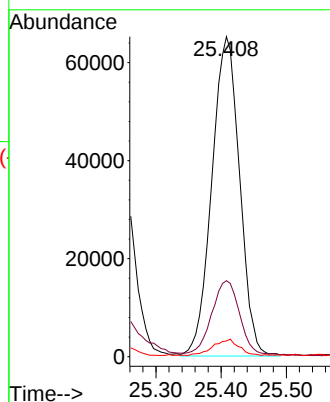
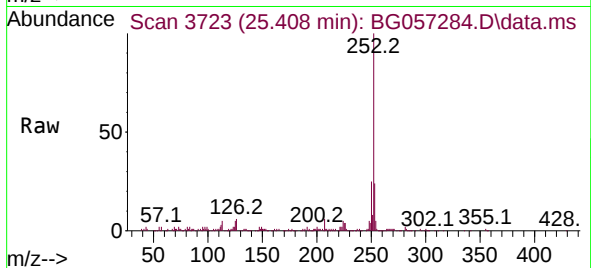
125 4.9 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.158 ng/ul

RT: 29.644 min Scan# 4444

Delta R.T. 0.021 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

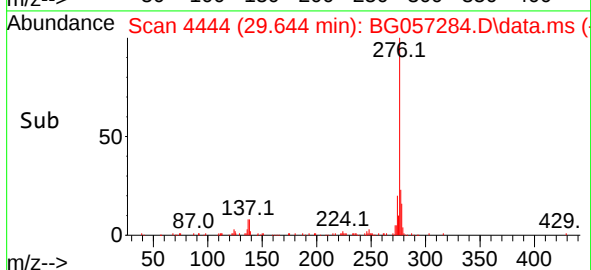
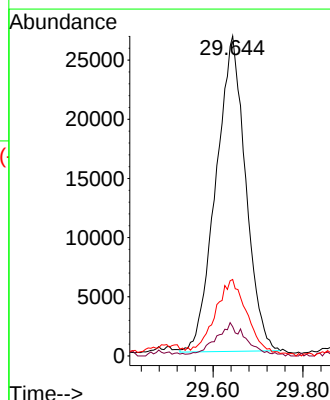
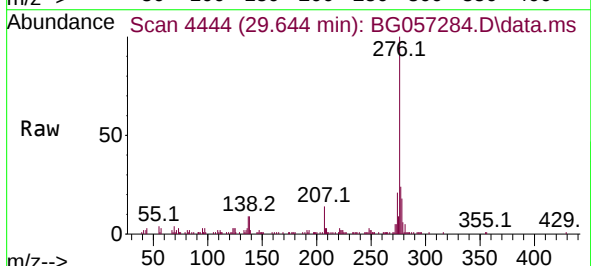
Tgt Ion:276 Resp: 122416

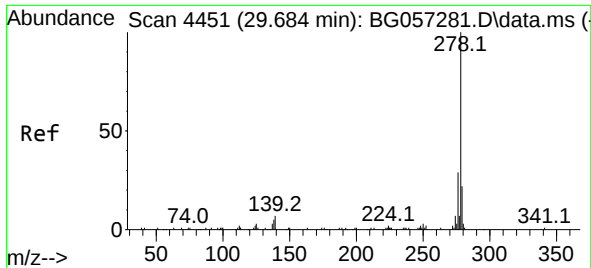
Ion Ratio Lower Upper

276 100

138 9.1 9.4 14.2#

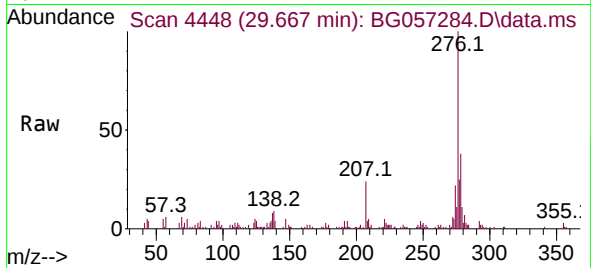
277 23.9 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 5.759 ng/ul m
RT: 29.667 min Scan# 4451
Delta R.T. -0.026 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

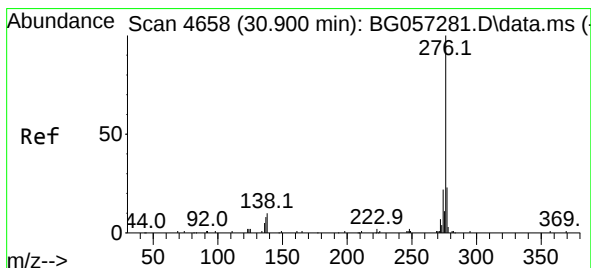
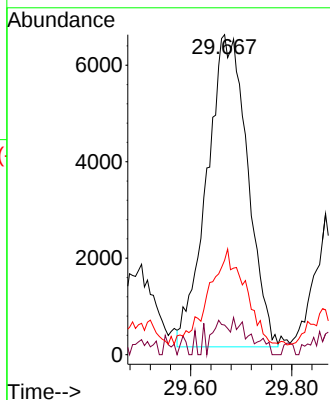
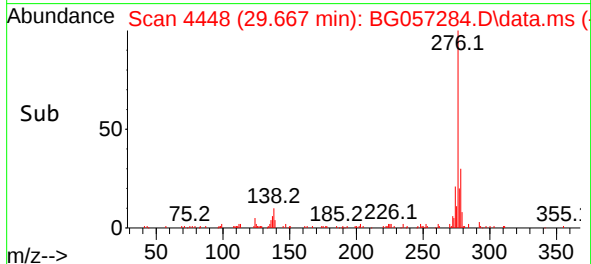
Instrument :
BNA_G
ClientSampleId :
EW928



Tgt Ion:278 Resp: 3618
Ion Ratio Lower Upper
278 100
139 9.2 5.8 8.6
279 29.5 18.3 27.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#96
Benzo(g,h,i)perylene
Concen: 18.357 ng/ul m
RT: 30.907 min Scan# 4659
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:276 Resp: 112558
Ion Ratio Lower Upper
276 100
138 9.5 8.7 13.1
277 23.7 18.4 27.6

