

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057291.D
 Acq On : 3 May 2023 17:57
 Operator : CG/JU
 Sample : 02419-26
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW923

Manual Integrations
 APPROVED

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

Quant Time: May 04 03:34:21 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	8.378	152	13096	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	57392	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.993	164	45695	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	100144	20.000	ng/u1	0.00
79) Chrysene-d12	22.071	240	81570	20.000	ng/u1	# 0.02
88) Perylene-d12	25.608	264	91745	20.000	ng/u1	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.649	96	394	1.324	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.520	99	14461	11.676	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	7722	10.601	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	10576	12.958	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	11469	12.184	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	5302	11.601	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	6456	12.104	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.834	165	13973	13.578	ng/u1	0.00
31) 4-Chloroaniline-d4	11.345	131	7616	5.584	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	49734	13.736	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	57290	14.078	ng/u1	0.00
54) 4-Nitrophenol-d4	15.192	143	3976m	7.544	ng/u1	0.01
60) Fluorene-d10	15.980	176	44508	13.195	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.109	200	1689	2.847	ng/u1	0.01
73) Anthracene-d10	17.836	188	67544	14.776	ng/u1	0.00
81) Pyrene-d10	20.109	212	74193	15.324	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.367	264	68674	14.692	ng/u1	0.04
Target Compounds						
					Qvalue	
16) Acetophenone	9.206	105	4836	2.986	ng/u1#	88
30) Naphthalene	11.268	128	5838	1.853	ng/u1	98
36) 2-Methylnaphthalene	12.849	142	3277	1.418	ng/u1	92
37) 1-Methylnaphthalene	13.060	142	3889	1.674	ng/u1#	88
50) Acenaphthylene	14.728	152	9520m	2.302	ng/u1	
52) Acenaphthene	15.057	153	17163	5.825	ng/u1	99
56) Dibenzofuran	15.386	168	16047	3.771	ng/u1	93
61) Fluorene	16.038	166	29236	8.126	ng/u1	95
72) Phenanthrene	17.783	178	679348	130.267	ng/u1	99
74) Anthracene	17.871	178	162694	31.057	ng/u1	99
77) Carbazole	18.136	167	36628	8.367	ng/u1	99
80) Fluoranthene	19.786	202	1971175	342.728	ng/u1	97
82) Pyrene	20.150	202	1700532	292.069	ng/u1#	96
83) Butylbenzylphthalate	20.990	149	319144	171.161	ng/u1	99
85) Benzo(a)anthracene	22.054	228	1124693	194.953	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.889	149	824890	304.176	ng/u1	99
87) Chrysene	22.124	228	1098317	201.789	ng/u1	93
90) Benzo(b)fluoranthene	24.503	252	1446400	227.662	ng/u1#	96
91) Benzo(k)fluoranthene	24.562	252	488159	78.978	ng/u1#	97
93) Benzo(a)pyrene	25.467	252	938841m	171.168	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.726	276	538353m	78.519	ng/u1	
95) Dibenzo(a,h)anthracene	29.755	278	139016	24.452	ng/u1	93
96) Benzo(g,h,i)perylene	31.018	276	421977m	76.047	ng/u1	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

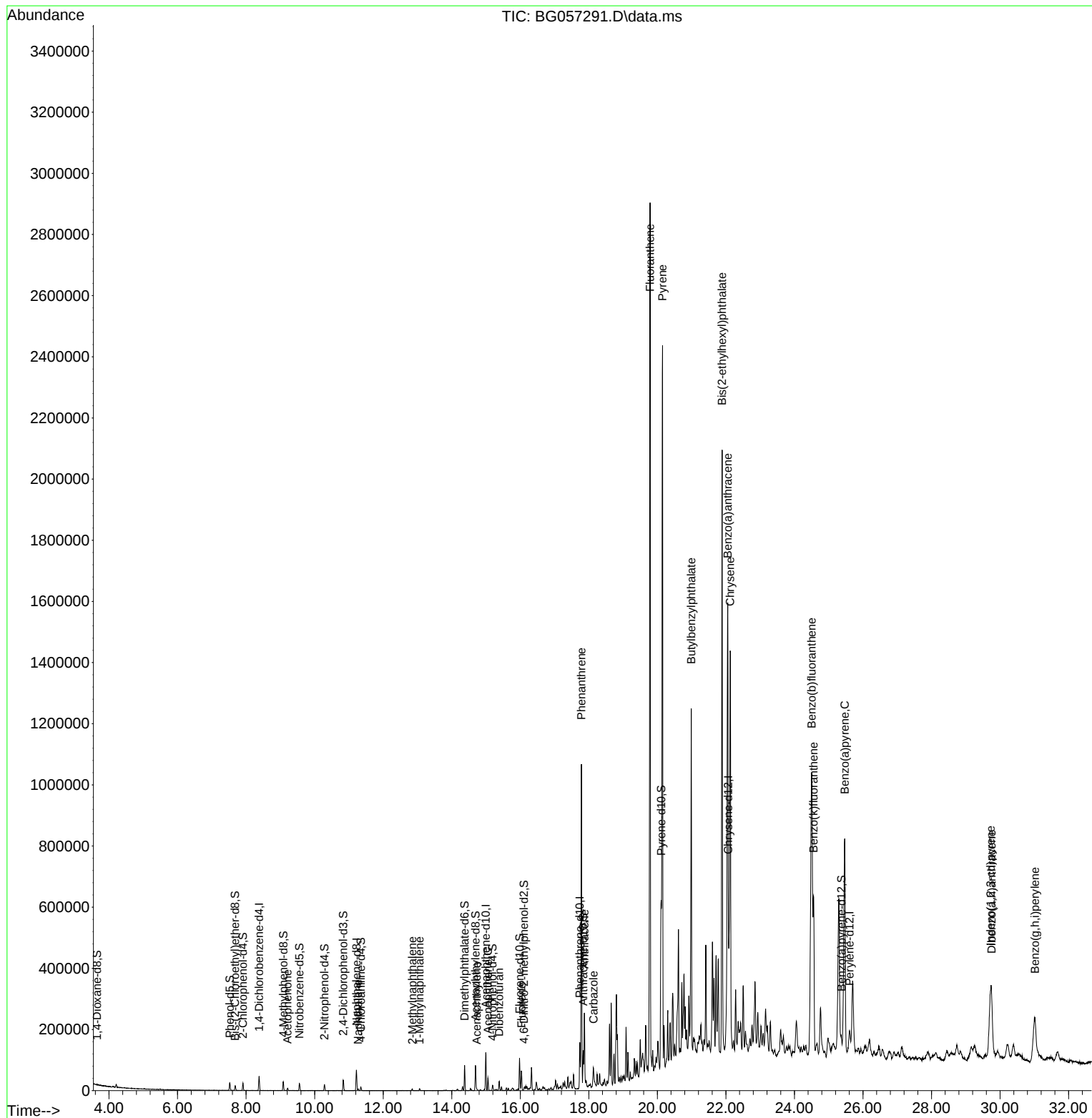
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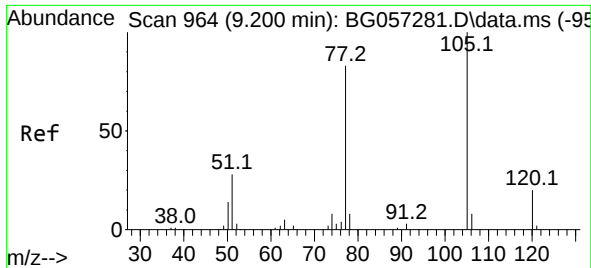
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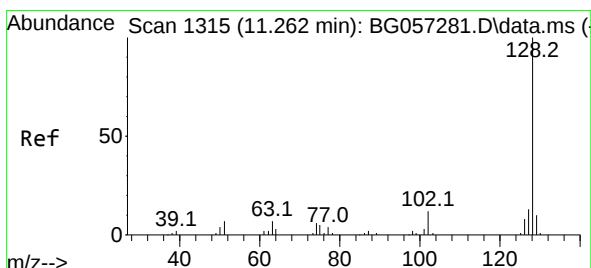
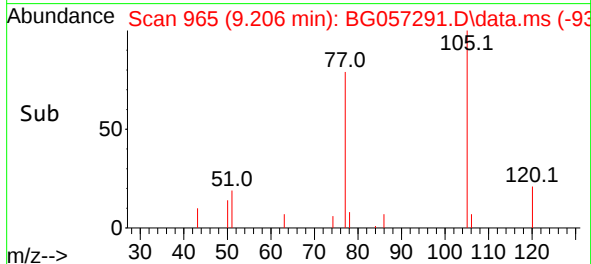
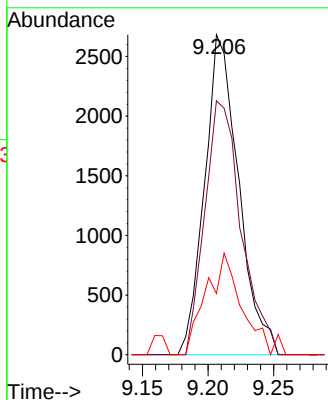
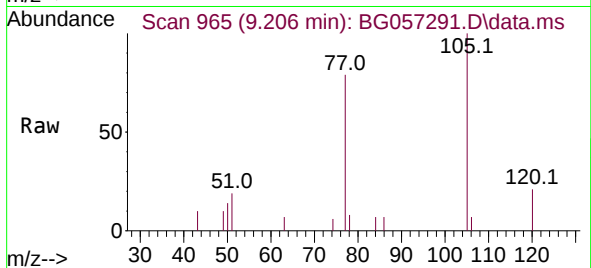
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Acetophenone
Concen: 2.986 ng/ul
RT: 9.206 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EW923

Tgt Ion:105 Resp: 4830
Ion Ratio Lower Upper
105 100
77 79.4 70.6 105.8
51 19.1 24.5 36.7

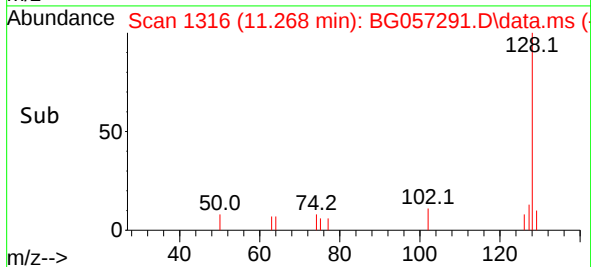
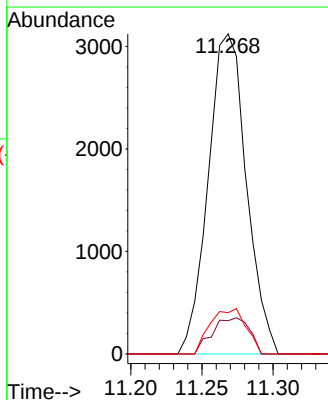
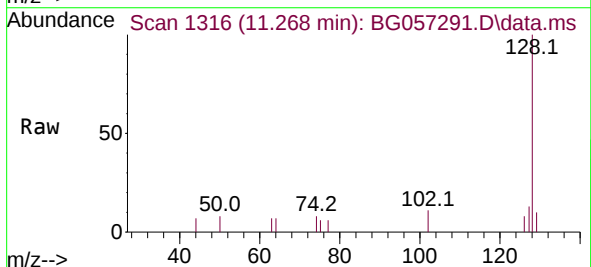
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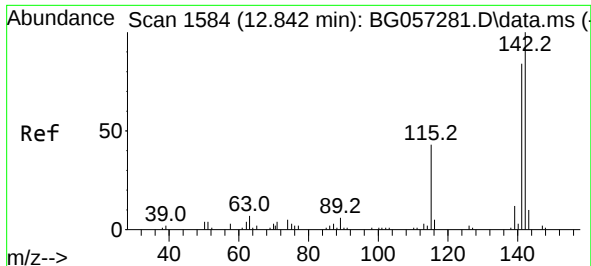
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#30
Naphthalene
Concen: 1.853 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

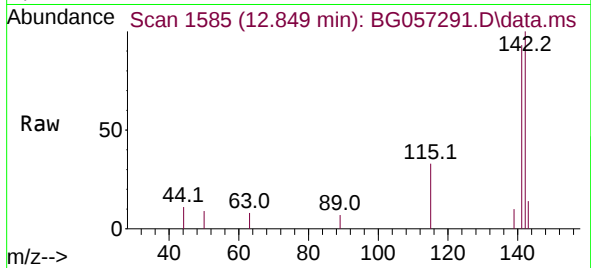
Tgt Ion:128 Resp: 5838
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 12.9 11.4 17.0





#36
2-Methylnaphthalene
Concen: 1.418 ng/ul
RT: 12.849 min Scan# 1585
Delta R.T. 0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

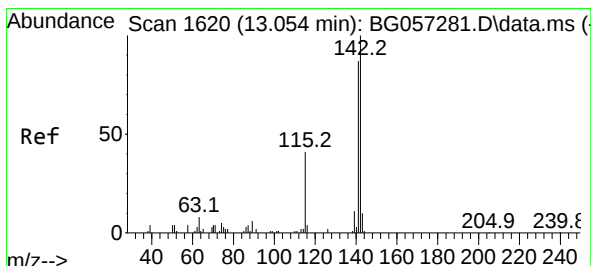
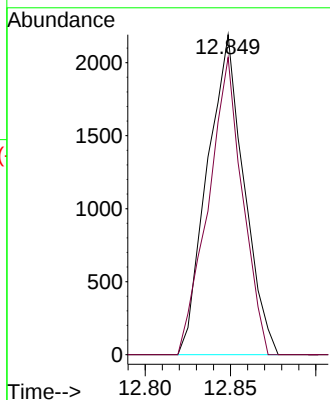
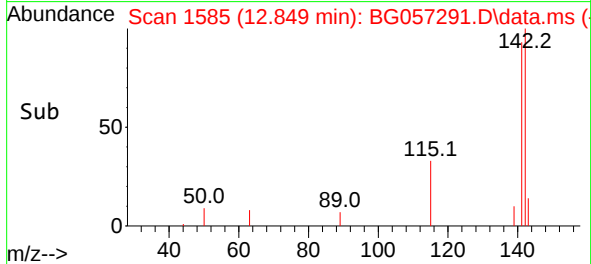
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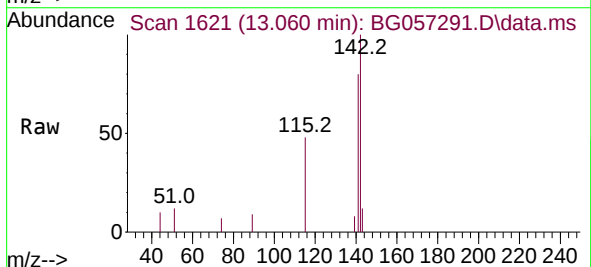
Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
141 92.9 68.7 103.1

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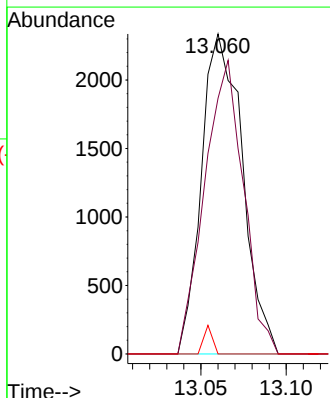
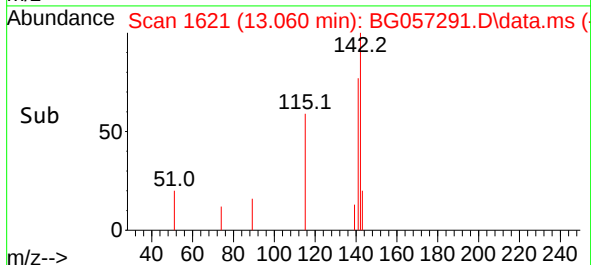
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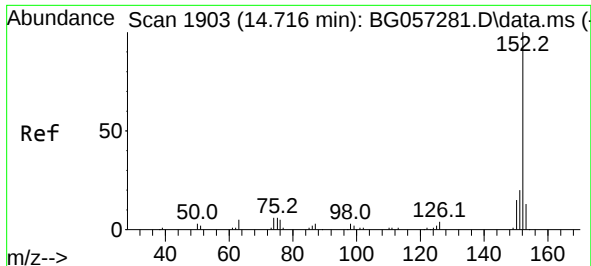


#37
1-Methylnaphthalene
Concen: 1.674 ng/ul
RT: 13.060 min Scan# 1621
Delta R.T. -0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57



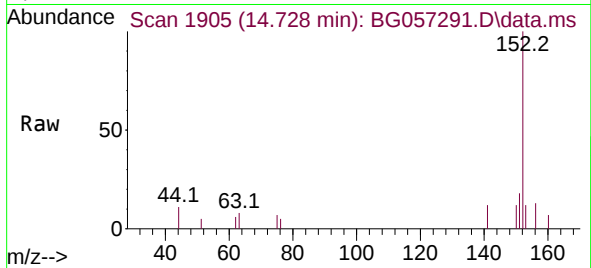
Tgt Ion:142 Resp: 3889
Ion Ratio Lower Upper
142 100
141 79.9 72.9 109.3
116 0.0 3.2 4.8#





#50
Acenaphthylene
Concen: 2.302 ng/ul m
RT: 14.728 min Scan# 1905
Delta R.T. 0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

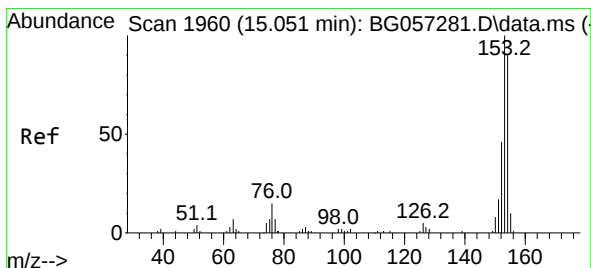
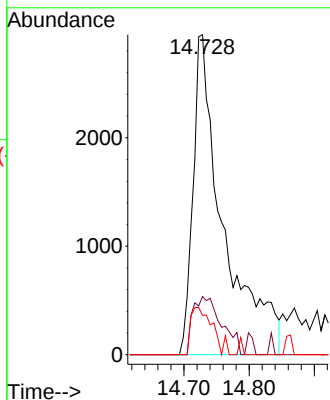
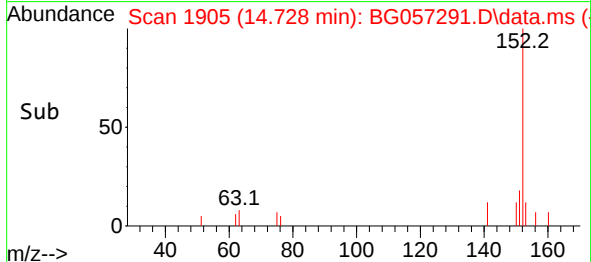
Instrument :
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ClientSampleId :
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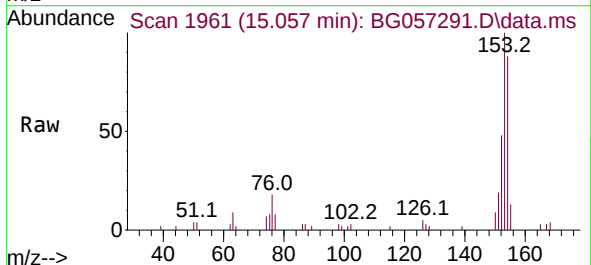
Tgt Ion:152 Resp: 9520
Ion Ratio Lower Upper
152 100
151 18.2 16.3 24.5
153 12.3 10.1 15.1

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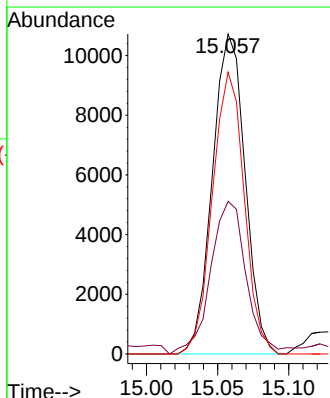
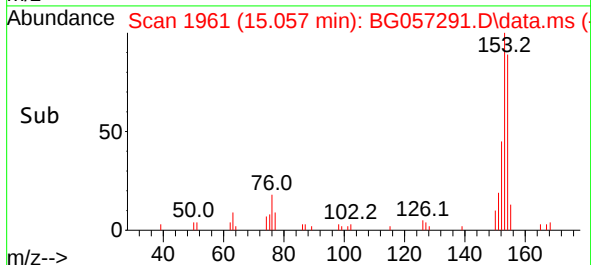
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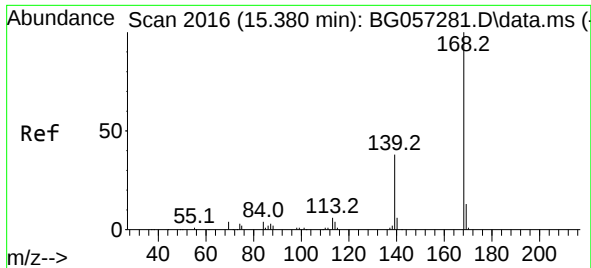


#52
Acenaphthene
Concen: 5.825 ng/ul
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57



Tgt Ion:153 Resp: 17163
Ion Ratio Lower Upper
153 100
152 47.7 36.5 54.7
154 88.0 70.6 106.0





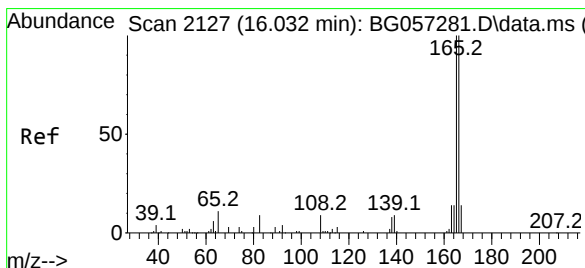
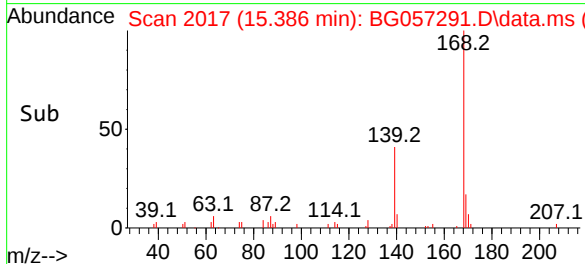
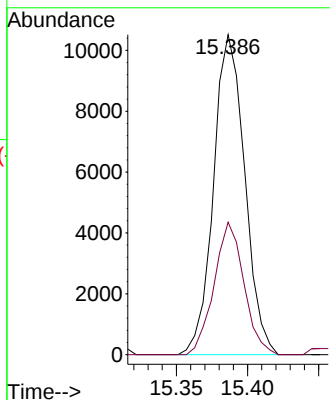
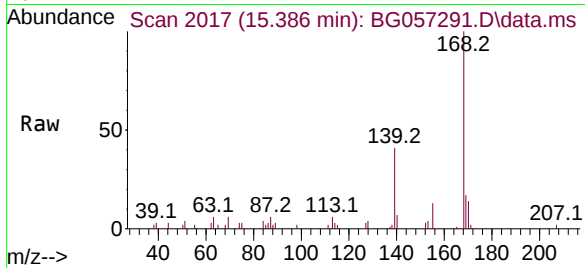
#56
Dibenzofuran
Concen: 3.771 ng/ul
RT: 15.386 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 1604
Ion Ratio Lower Upper
168 100
139 41.4 29.6 44.4

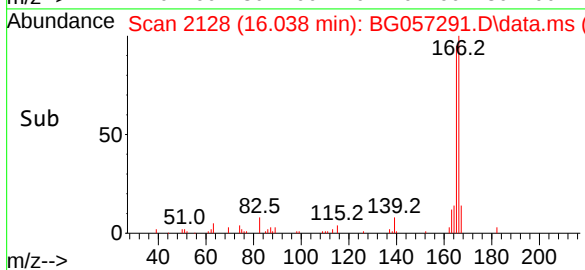
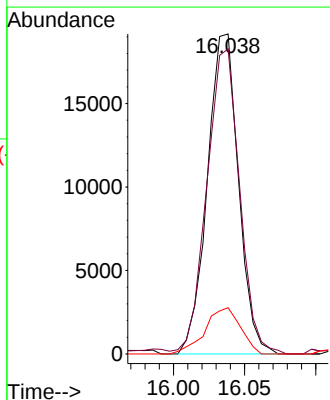
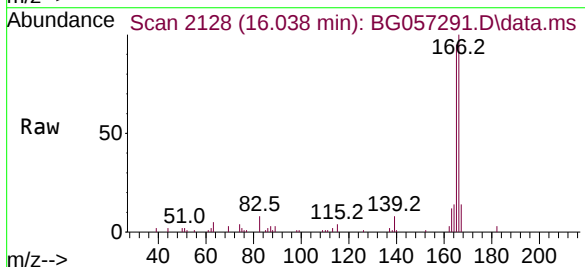
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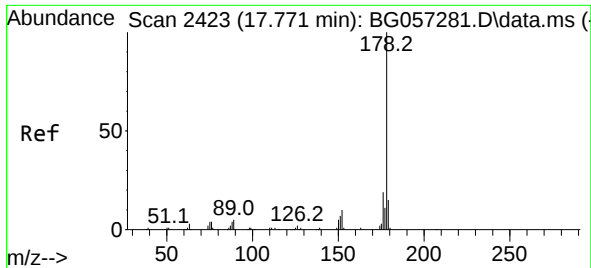
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#61
Fluorene
Concen: 8.126 ng/ul
RT: 16.038 min Scan# 2128
Delta R.T. 0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

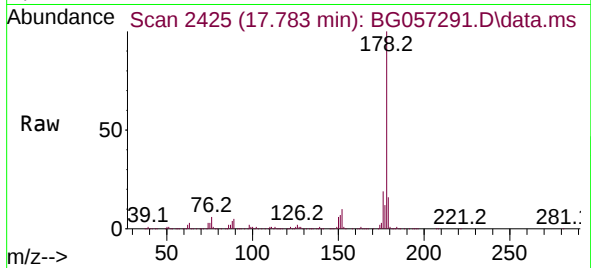
Tgt Ion:166 Resp: 29236
Ion Ratio Lower Upper
166 100
165 95.4 80.1 120.1
167 14.4 10.2 15.4





#72
Phenanthrene
Concen: 130.267 ng/uI
RT: 17.783 min Scan# 2423
Delta R.T. 0.009 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

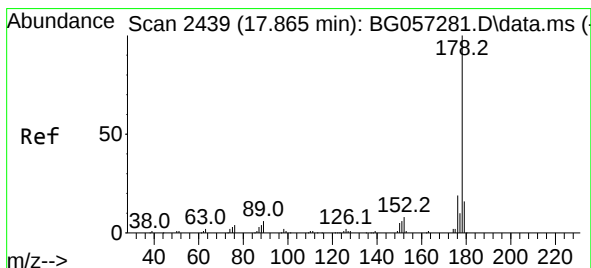
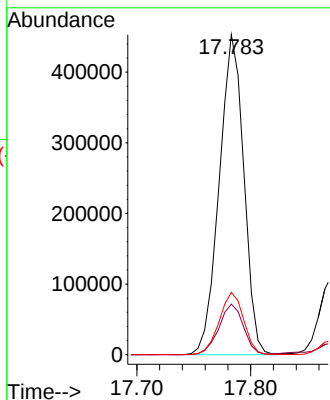
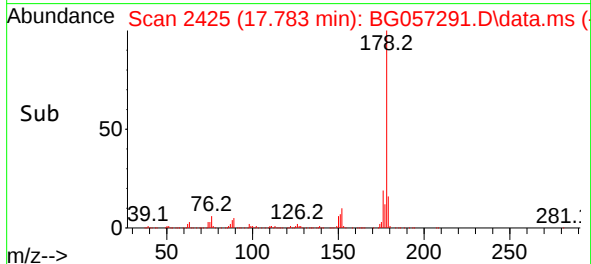
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Tgt Ion:178 Resp: 679348
Ion Ratio Lower Upper
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179 15.8 11.8 17.8
176 19.5 15.4 23.0

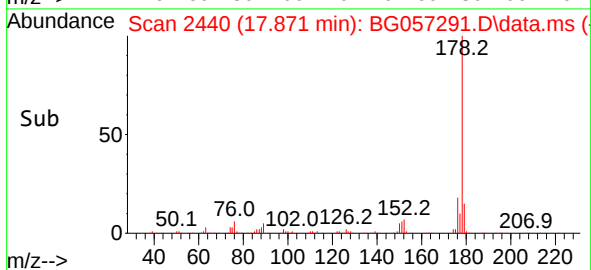
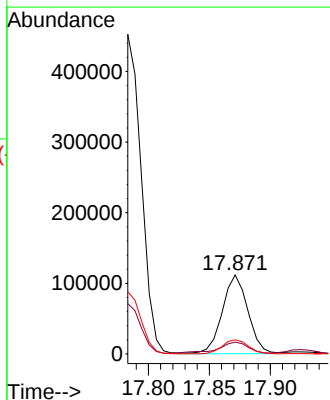
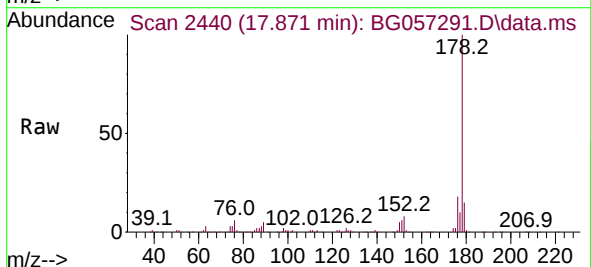
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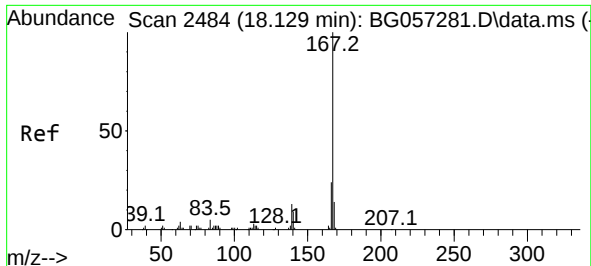
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#74
Anthracene
Concen: 31.057 ng/uI
RT: 17.871 min Scan# 2440
Delta R.T. 0.003 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

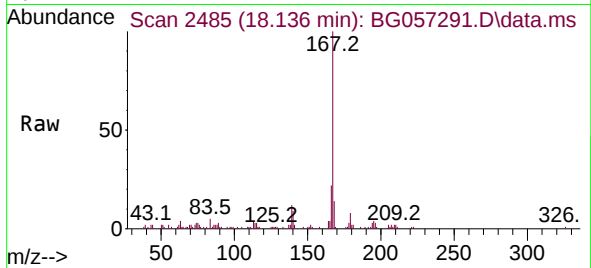
Tgt Ion:178 Resp: 162694
Ion Ratio Lower Upper
178 100
179 15.0 12.5 18.7
176 17.9 14.7 22.1





#77
 Carbazole
 Concen: 8.367 ng/ul
 RT: 18.136 min Scan# 2484
 Delta R.T. 0.003 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57

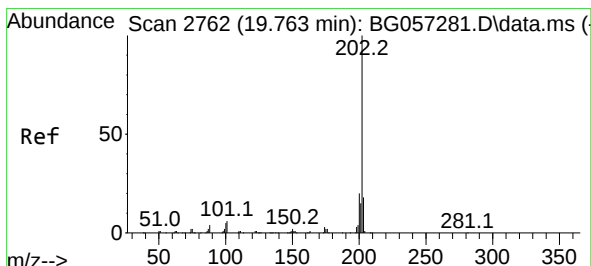
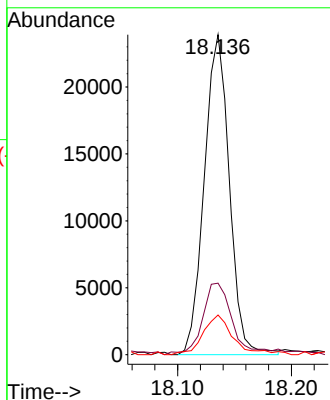
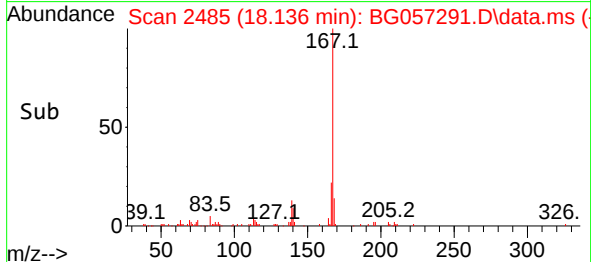
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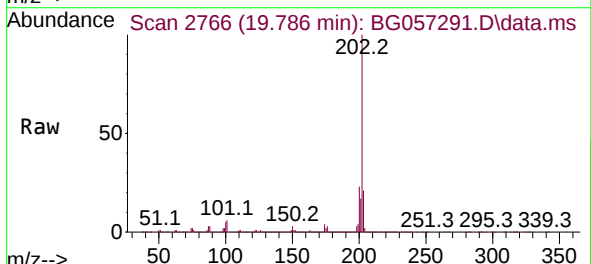
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 Ion Ratio Lower Upper
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 166 22.3 18.0 27.0
 139 12.4 10.3 15.5

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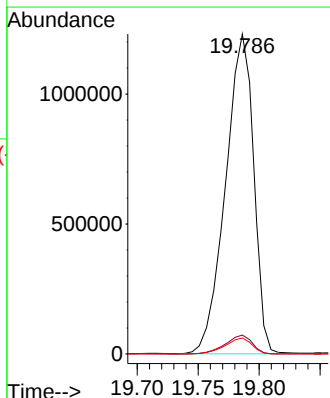
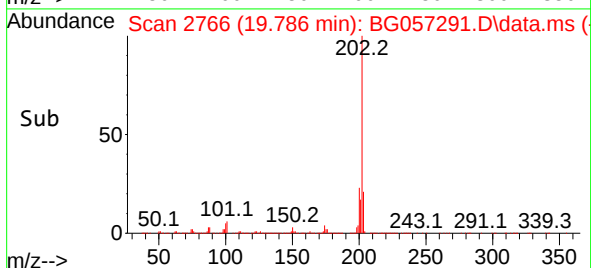
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

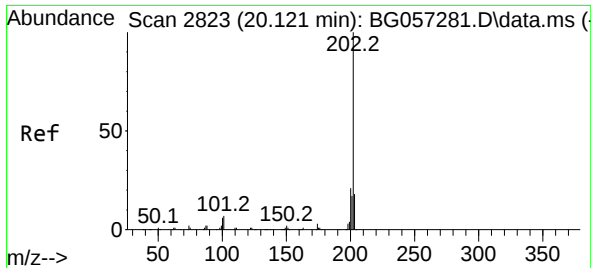


#80
 Fluoranthene
 Concen: 342.728 ng/ul
 RT: 19.786 min Scan# 2766
 Delta R.T. 0.020 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57



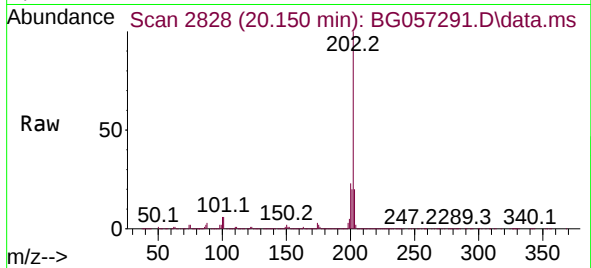
Tgt Ion:202 Resp: 1971175
 Ion Ratio Lower Upper
 202 100
 101 5.9 5.8 8.6
 100 5.0 4.6 7.0





#82
 Pyrene
 Concen: 292.069 ng/ul
 RT: 20.150 min Scan# 21
 Delta R.T. 0.026 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57

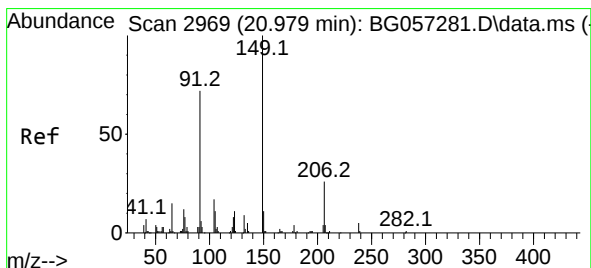
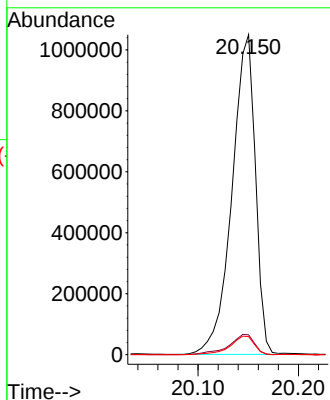
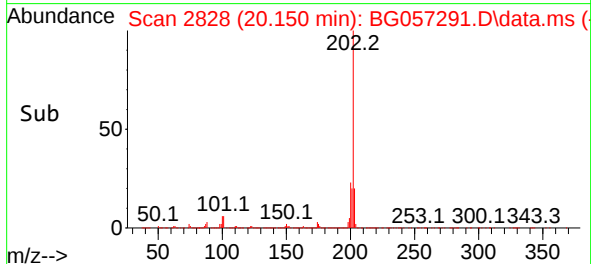
Instrument :
 BNA_G
 ClientSampleId :
 EW923



Tgt Ion:202 Resp: 170053
 Ion Ratio Lower Upper
 202 100
 101 6.2 5.7 8.5
 100 5.6 6.0 9.0

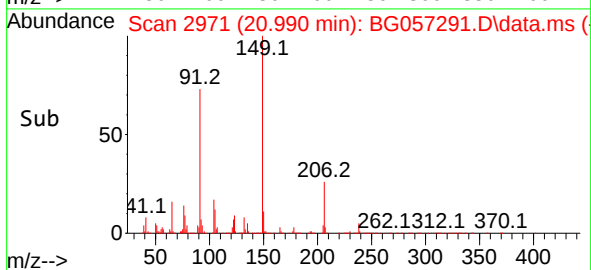
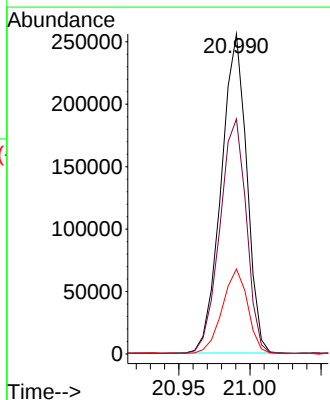
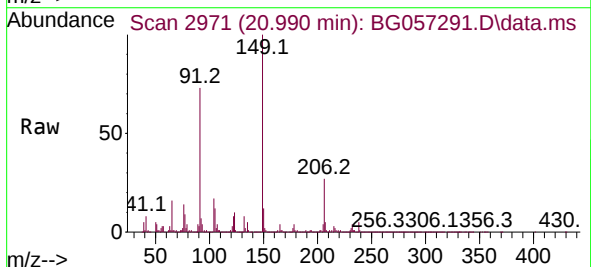
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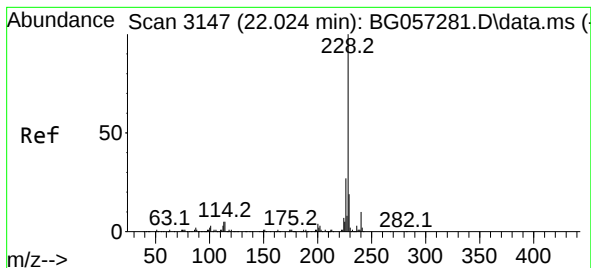
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023



#83
 Butylbenzylphthalate
 Concen: 171.161 ng/ul
 RT: 20.990 min Scan# 2971
 Delta R.T. 0.009 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57

Tgt Ion:149 Resp: 319144
 Ion Ratio Lower Upper
 149 100
 91 73.4 58.6 87.8
 206 26.5 19.8 29.8





#85

Benzo(a)anthracene

Concen: 194.953 ng/ul

RT: 22.054 min Scan# 3152

Delta R.T. 0.026 min

Lab File: BG057291.D

Acq: 3 May 2023 17:57

Instrument :

BNA_G

ClientSampleId :

EW923

Tgt Ion:228 Resp: 112469

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

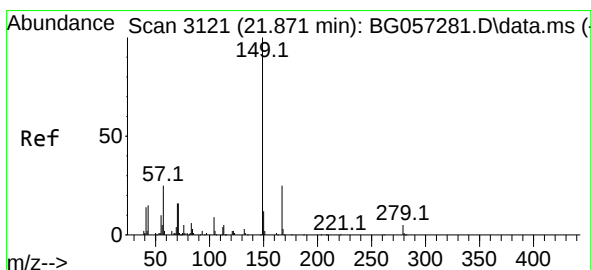
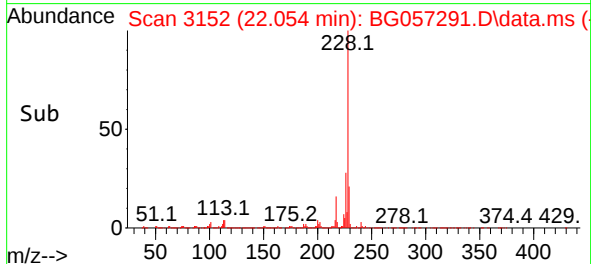
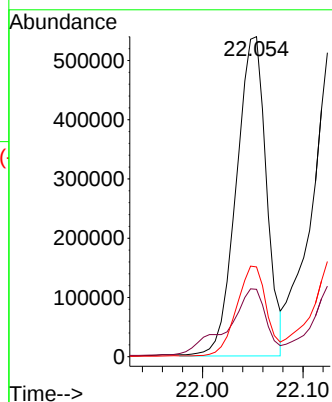
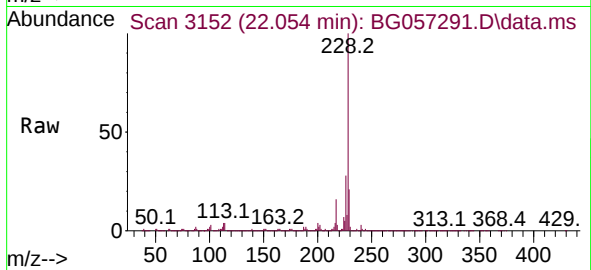
226 28.0 21.7 32.5

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 304.176 ng/ul

RT: 21.889 min Scan# 3124

Delta R.T. 0.015 min

Lab File: BG057291.D

Acq: 3 May 2023 17:57

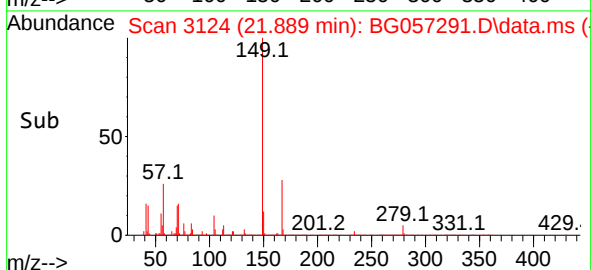
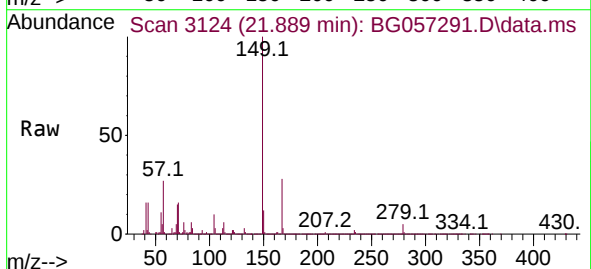
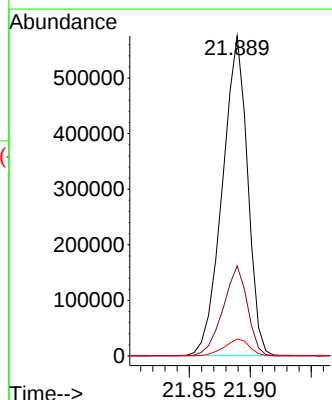
Tgt Ion:149 Resp: 824890

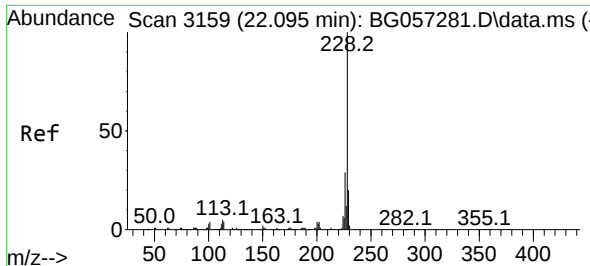
Ion Ratio Lower Upper

149 100

167 28.2 23.0 34.6

279 5.3 3.6 5.4





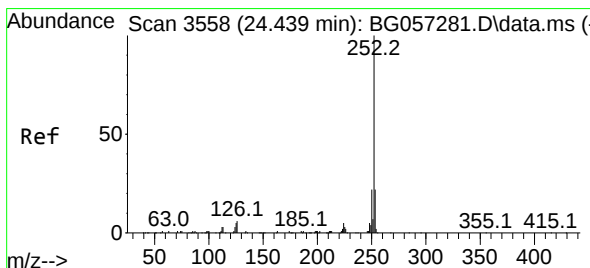
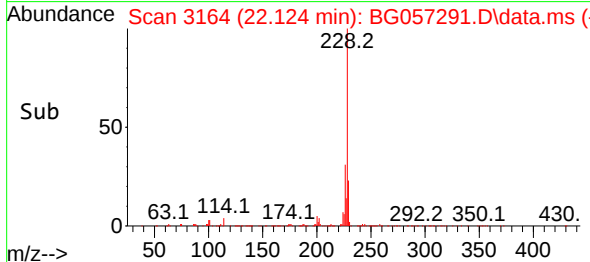
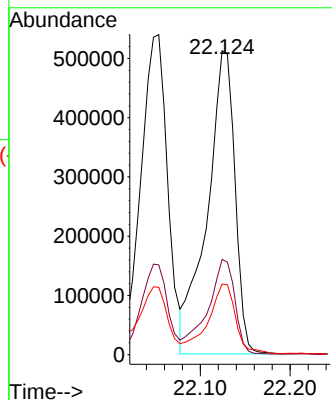
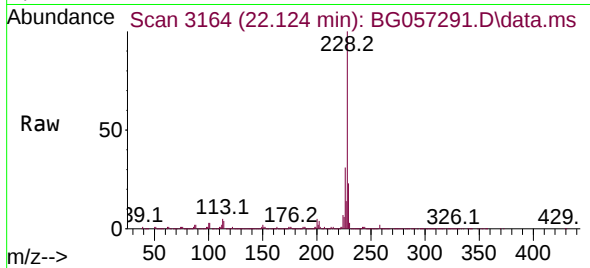
#87
Chrysene
Concen: 201.789 ng/u1
RT: 22.124 min Scan# 3159
Delta R.T. 0.026 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EW923

Tgt Ion:228 Resp: 109831
Ion Ratio Lower Upper
228 100
226 31.3 22.8 34.2
229 23.2 15.5 23.3

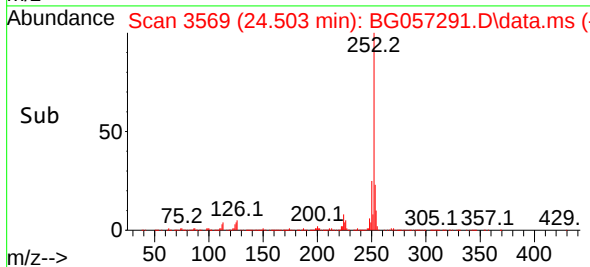
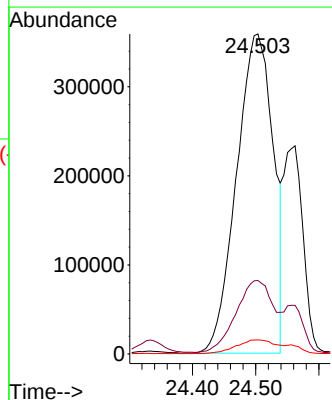
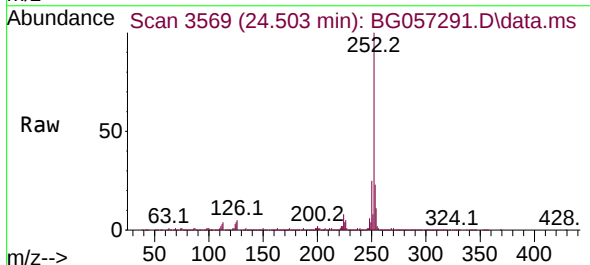
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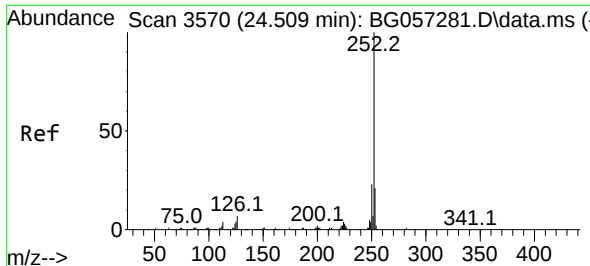
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#90
Benzo(b)fluoranthene
Concen: 227.662 ng/u1
RT: 24.503 min Scan# 3569
Delta R.T. 0.067 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

Tgt Ion:252 Resp: 1446400
Ion Ratio Lower Upper
252 100
253 23.0 16.7 25.1
125 4.4 4.8 7.2#





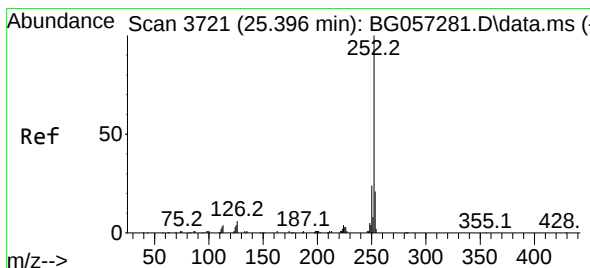
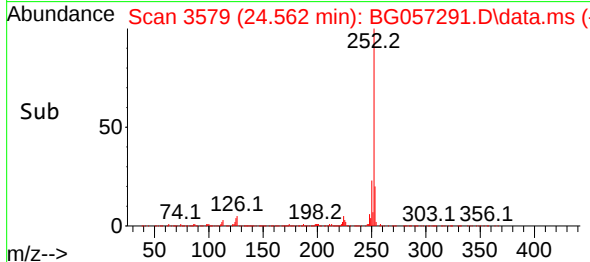
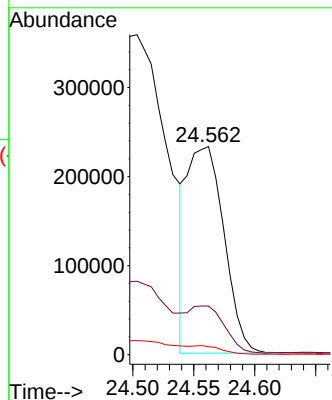
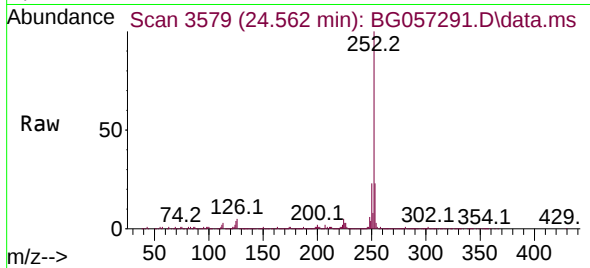
#91
Benzo(k)fluoranthene
Concen: 78.978 ng/ul
RT: 24.562 min Scan# 31
Delta R.T. 0.050 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EW923

Tgt Ion:252 Resp: 488159
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 3.9 4.5 6.7

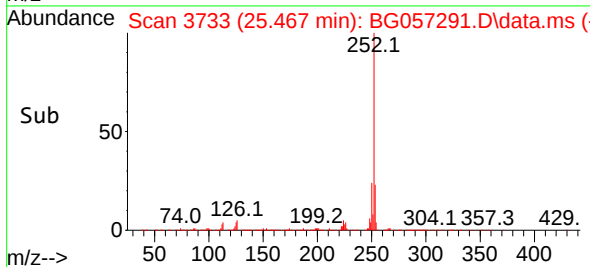
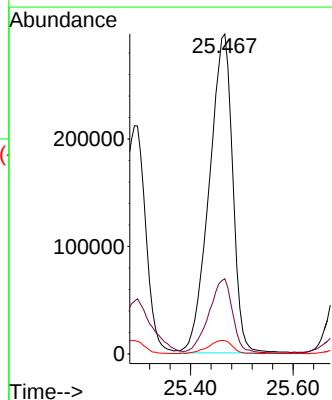
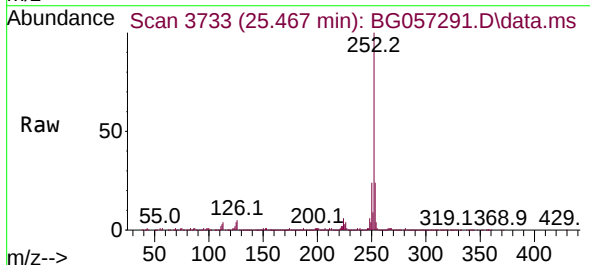
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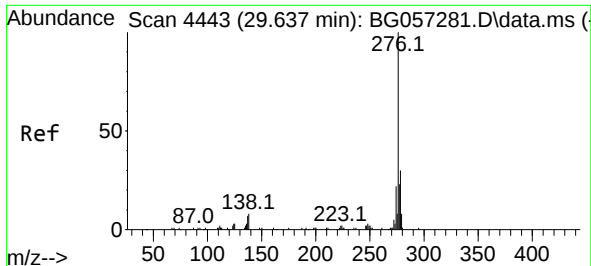
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#93
Benzo(a)pyrene
Concen: 171.168 ng/ul m
RT: 25.467 min Scan# 3733
Delta R.T. 0.067 min
Lab File: BG057291.D
Acq: 3 May 2023 17:57

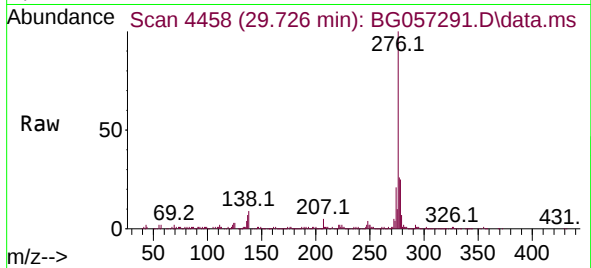
Tgt Ion:252 Resp: 938841
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 4.2 5.1 7.7#





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 78.519 ng/ul m
 RT: 29.726 min Scan# 44
 Delta R.T. 0.103 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57

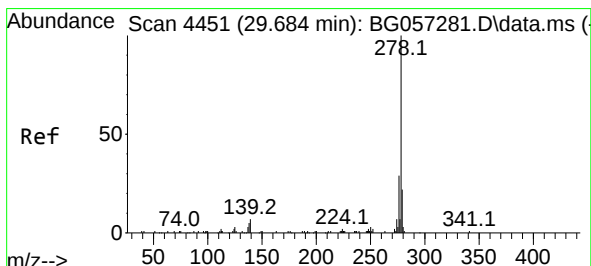
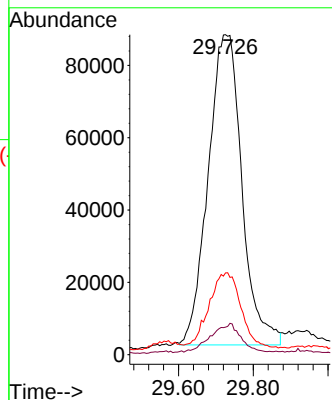
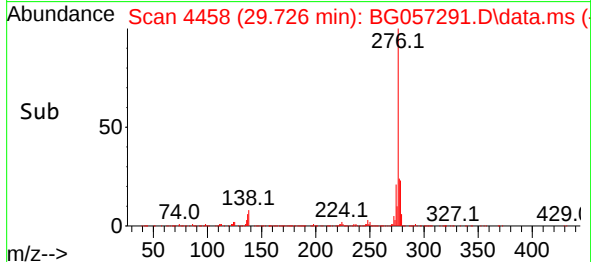
Instrument :
 BNA_G
 ClientSampleId :
 EW923



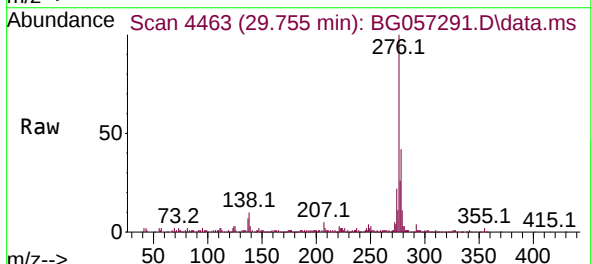
Tgt Ion:276 Resp: 53835
 Ion Ratio Lower Upper
 276 100
 138 8.6 9.4 14.2
 277 25.6 18.6 28.0

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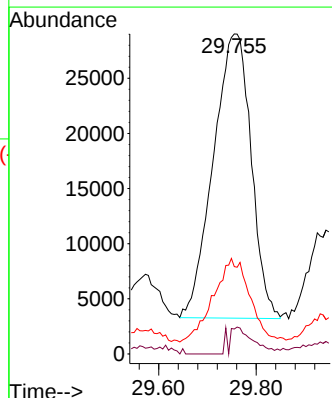
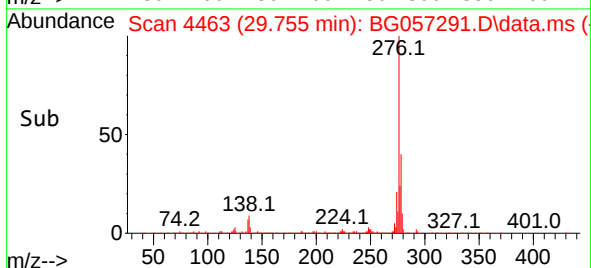
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

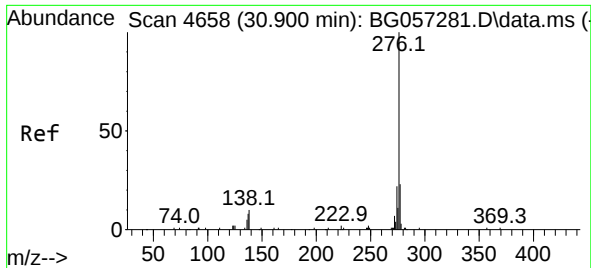


#95
 Dibenzo(a,h)anthracene
 Concen: 24.452 ng/ul
 RT: 29.755 min Scan# 4463
 Delta R.T. 0.062 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57



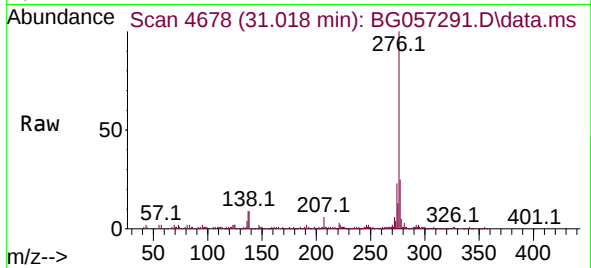
Tgt Ion:278 Resp: 139016
 Ion Ratio Lower Upper
 278 100
 139 7.8 5.8 8.6
 279 27.3 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 76.047 ng/ul m
 RT: 31.018 min Scan# 4
 Delta R.T. 0.109 min
 Lab File: BG057291.D
 Acq: 3 May 2023 17:57

Instrument :
 BNA_G
 ClientSampleId :
 EW923



Tgt Ion:276 Resp: 42197
 Ion Ratio Lower Upper
 276 100
 138 9.5 8.7 13.1
 277 24.6 18.4 27.6

Manual Integrations
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 Supervised By :Jagrut Upadhyay 05/04/2023

