

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057285.D
 Acq On : 3 May 2023 13:51
 Operator : CG/JU
 Sample : 02419-28
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW925

Manual Integrations
 APPROVED

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

Quant Time: May 04 01:49:41 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	16247	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	66328	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.987	164	48698	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	109075	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.054	240	92808	20.000	ng/u1	0.00
88) Perylene-d12	25.596	264	101230	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	724	1.961	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.514	99	17909	11.656	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	10501	11.620	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	13515	13.348	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	12388	10.608	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	6895	13.054	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	8131	13.190	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	16570	13.932	ng/u1	0.00
31) 4-Chloroaniline-d4	11.345	131	6313m	4.005	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	57846	14.991	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	65512	15.106	ng/u1	0.00
54) 4-Nitrophenol-d4	15.181	143	5465m	9.730	ng/u1	0.00
60) Fluorene-d10	15.974	176	53823	14.973	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.091	200	5595	8.658	ng/u1	0.00
73) Anthracene-d10	17.830	188	81043m	16.278	ng/u1	0.00
81) Pyrene-d10	20.103	212	93451	16.964	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.349	264	84237	16.333	ng/u1	0.03
Target Compounds						
					Qvalue	
8) Phenol	7.550	94	2302	1.486	ng/u1#	89
16) Acetophenone	9.206	105	15564	7.745	ng/u1	95
30) Naphthalene	11.268	128	4390	1.205	ng/u1	99
36) 2-Methylnaphthalene	12.843	142	4031	1.509	ng/u1	95
56) Dibenzofuran	15.380	168	4723	1.042	ng/u1	97
72) Phenanthrene	17.771	178	66983	11.793	ng/u1	97
74) Anthracene	17.865	178	13333	2.337	ng/u1	97
77) Carbazole	18.129	167	8306	1.742	ng/u1#	96
78) Di-n-butylphthalate	18.652	149	36724	6.735	ng/u1#	93
80) Fluoranthene	19.768	202	199621	30.505	ng/u1#	96
82) Pyrene	20.133	202	199424	30.104	ng/u1#	96
83) Butylbenzylphthalate	20.979	149	44257	20.861	ng/u1	88
85) Benzo(a)anthracene	22.030	228	147504	22.472	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.877	149	368930	119.569	ng/u1	96
87) Chrysene	22.106	228	160337	25.891	ng/u1	91
89) Di-n-octyl phthalate	23.193	149	43733	7.823	ng/u1	100
90) Benzo(b)fluoranthene	24.462	252	283332	40.418	ng/u1	95
91) Benzo(k)fluoranthene	24.527	252	99202m	14.546	ng/u1	
93) Benzo(a)pyrene	25.431	252	187623	31.002	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	29.679	276	180675	23.882	ng/u1#	94
95) Dibenzo(a,h)anthracene	29.726	278	51185m	8.160	ng/u1	
96) Benzo(g,h,i)perylene	30.983	276	201169	32.857	ng/u1	98

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

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

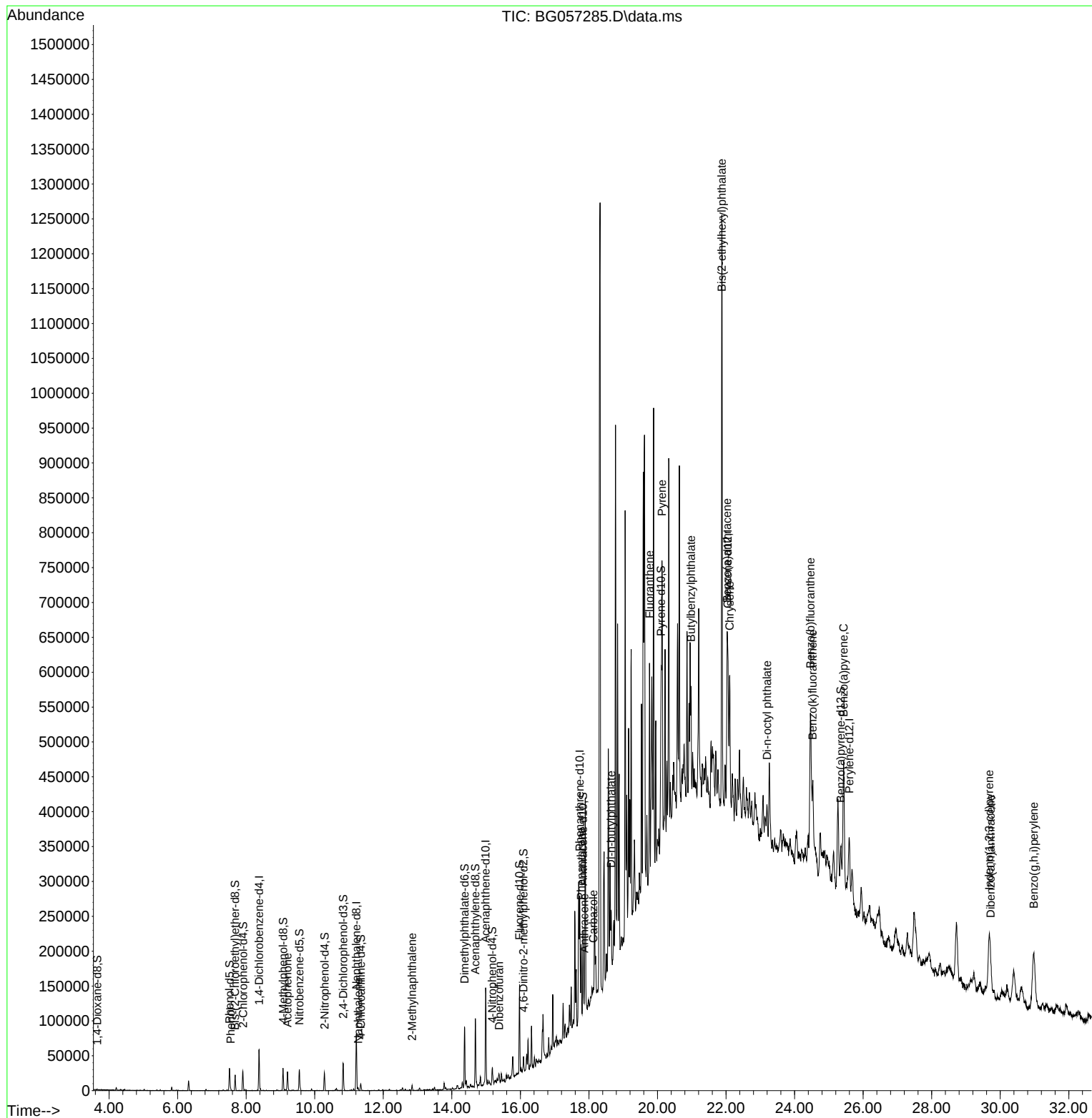
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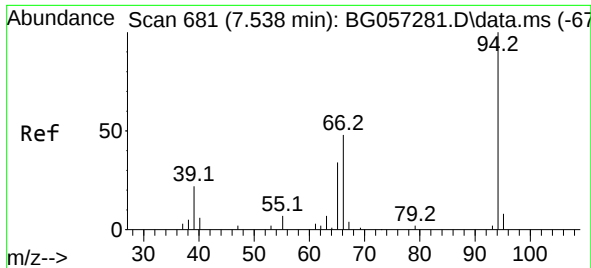
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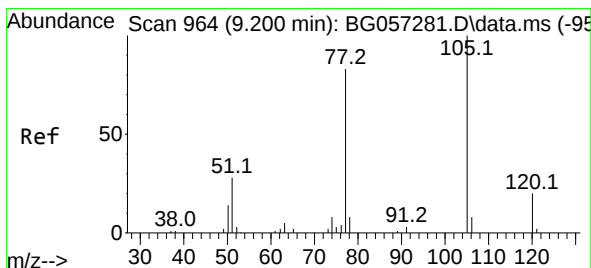
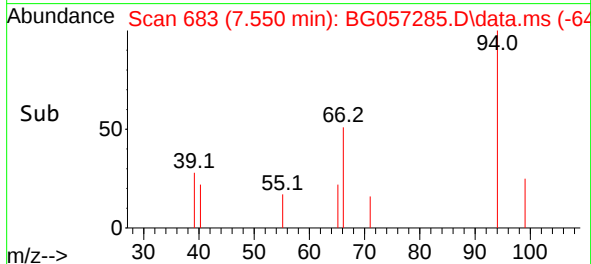
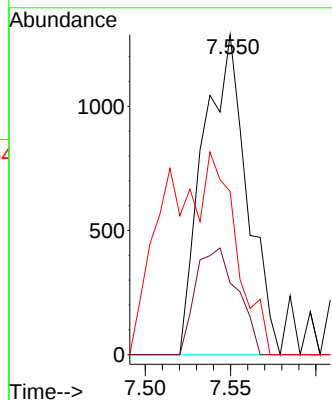
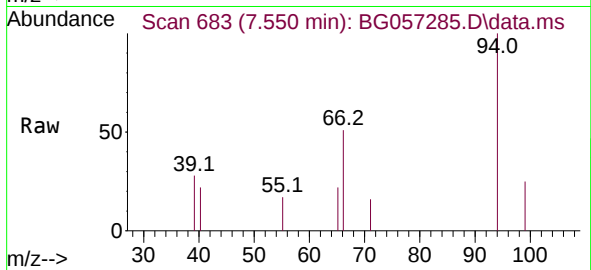
#8
Phenol
Concen: 1.486 ng/ul
RT: 7.550 min Scan# 681
Delta R.T. 0.009 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Instrument :
BNA_G
ClientSampleId :
EW925

Tgt Ion: 94 Resp: 2302
Ion Ratio Lower Upper
94 100
65 22.3 25.5 38.3
66 51.0 36.9 55.3

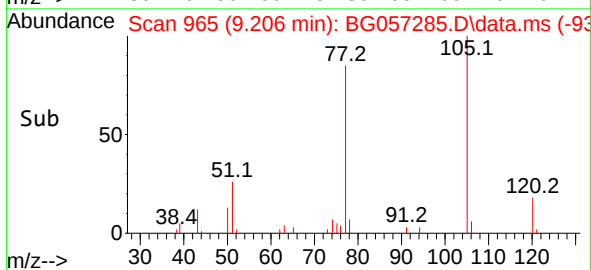
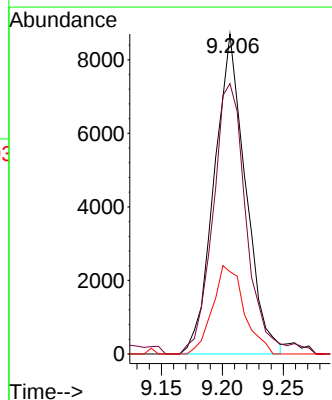
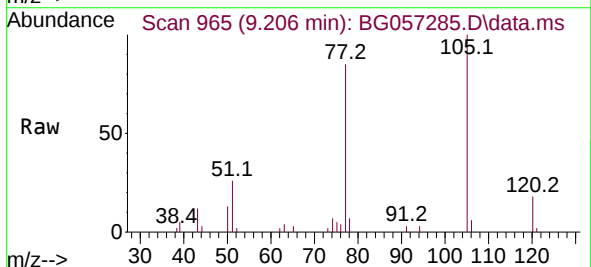
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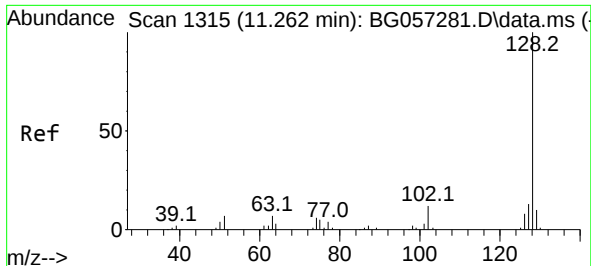
Reviewed By :Christian Giraldo 05/04/2023
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#16
Acetophenone
Concen: 7.745 ng/ul
RT: 9.206 min Scan# 965
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

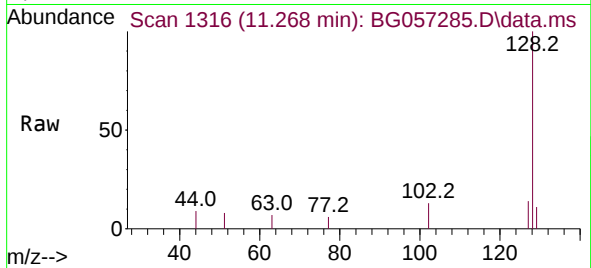
Tgt Ion:105 Resp: 15564
Ion Ratio Lower Upper
105 100
77 84.5 70.6 105.8
51 25.7 24.5 36.7





#30
Naphthalene
Concen: 1.205 ng/ul
RT: 11.268 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

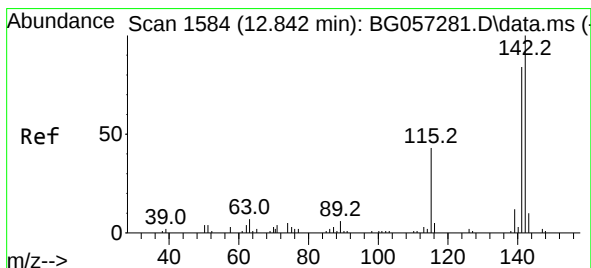
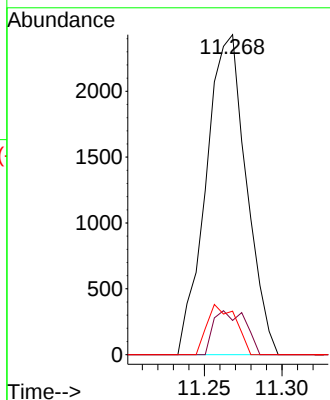
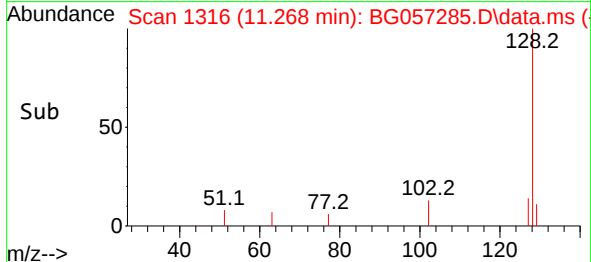
Instrument :
BNA_G
ClientSampleId :
EW925



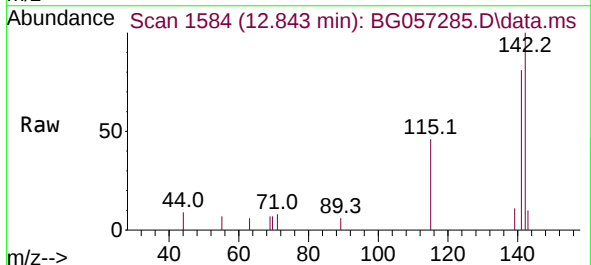
Tgt Ion:128 Resp: 4390
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.6 11.4 17.0

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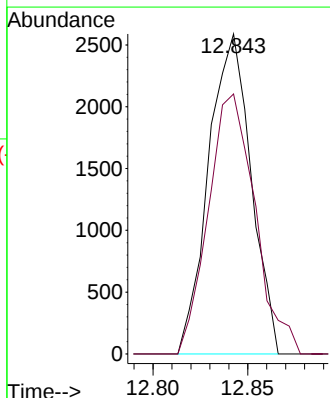
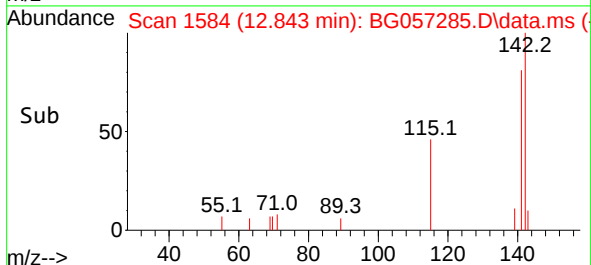
Reviewed By :Christian Giraldo 05/04/2023
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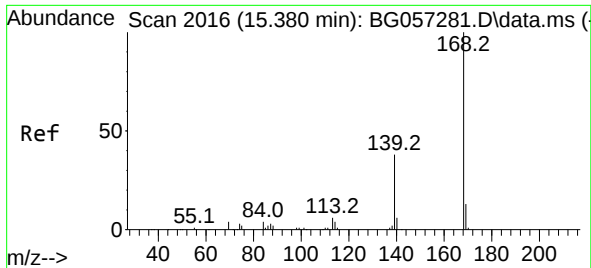


#36
2-Methylnaphthalene
Concen: 1.509 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51



Tgt Ion:142 Resp: 4031
Ion Ratio Lower Upper
142 100
141 81.2 68.7 103.1





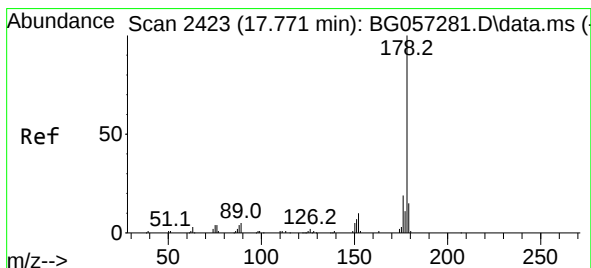
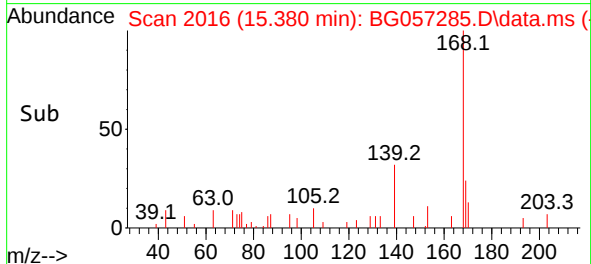
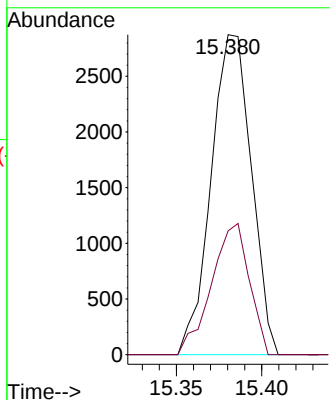
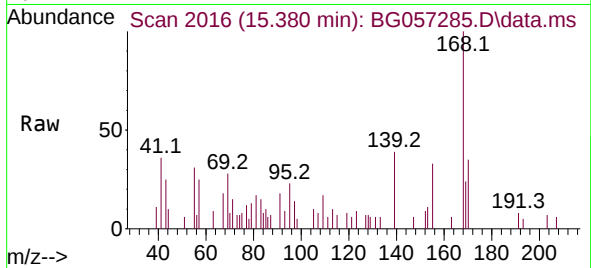
#56
Dibenzenofuran
Concen: 1.042 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.009 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Instrument :
BNA_G
ClientSampleId :
EW925

Tgt Ion:168 Resp: 472
Ion Ratio Lower Upper
168 100
139 38.7 29.6 44.4

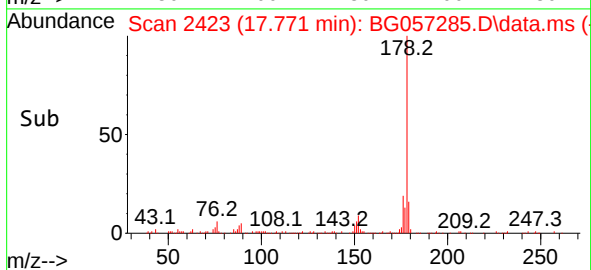
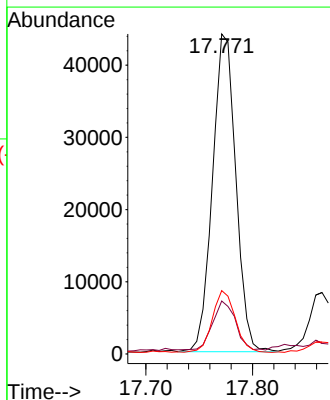
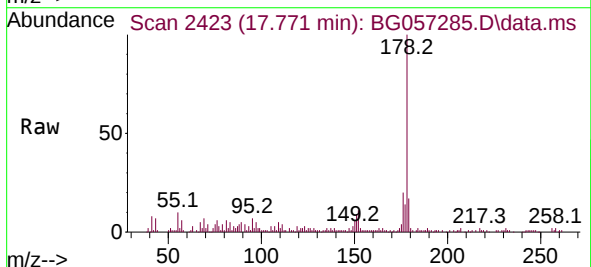
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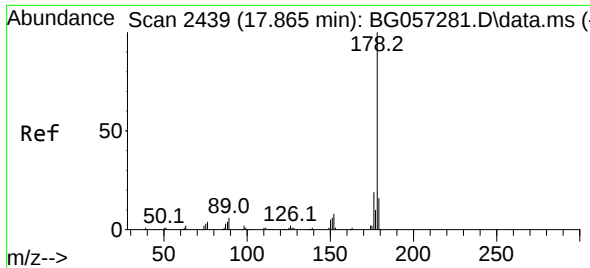
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#72
Phenanthrene
Concen: 11.793 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

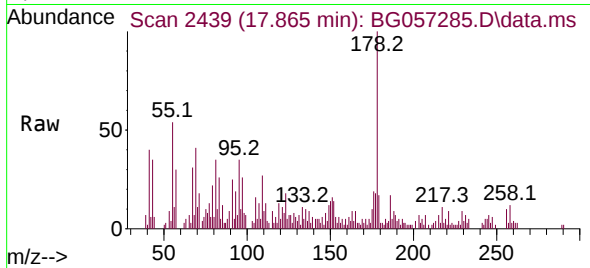
Tgt Ion:178 Resp: 66983
Ion Ratio Lower Upper
178 100
179 16.5 11.8 17.8
176 19.8 15.4 23.0





#74
 Anthracene
 Concen: 2.337 ng/u1
 RT: 17.865 min Scan# 2439
 Delta R.T. -0.003 min
 Lab File: BG057285.D
 Acq: 3 May 2023 13:51

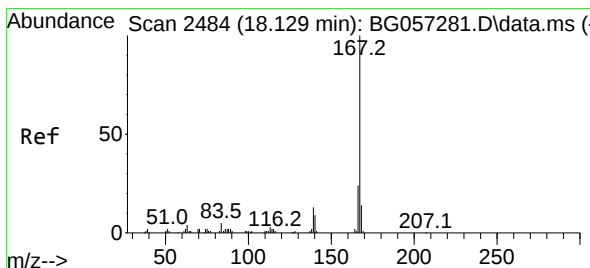
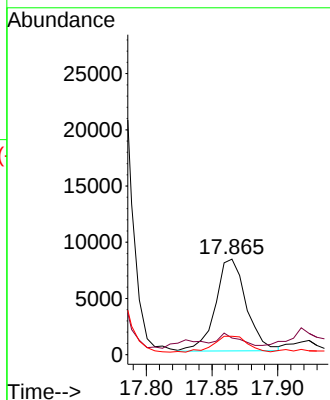
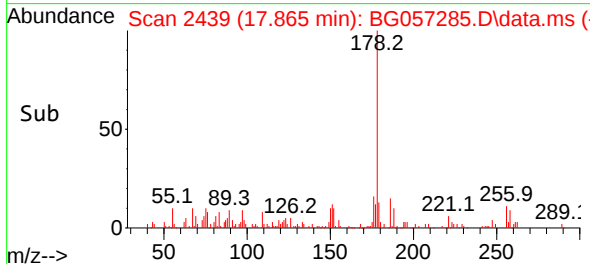
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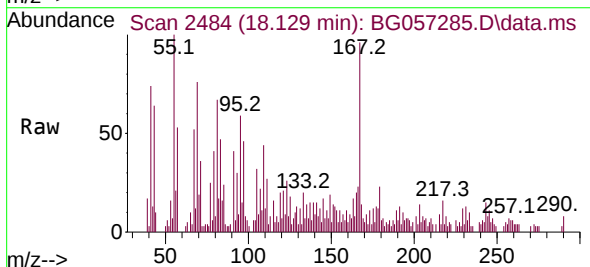
Tgt Ion:178 Resp: 1333
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.5 18.7
 176 19.3 14.7 22.1

Manual Integrations
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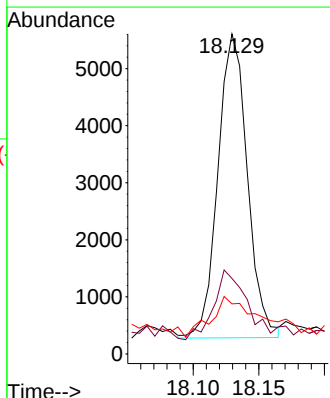
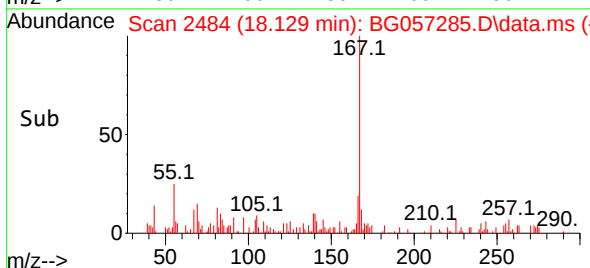
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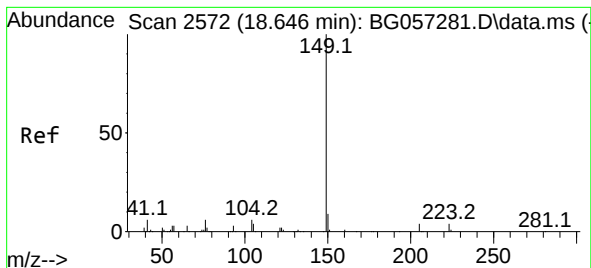


#77
 Carbazole
 Concen: 1.742 ng/u1
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057285.D
 Acq: 3 May 2023 13:51



Tgt Ion:167 Resp: 8306
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 15.7 10.3 15.5#





#78

Di-n-butylphthalate

Concen: 6.735 ng/uI

RT: 18.652 min Scan# 2573

Delta R.T. 0.003 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Instrument :

BNA_G

ClientSampleId :

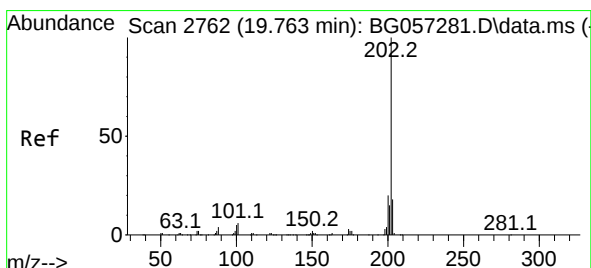
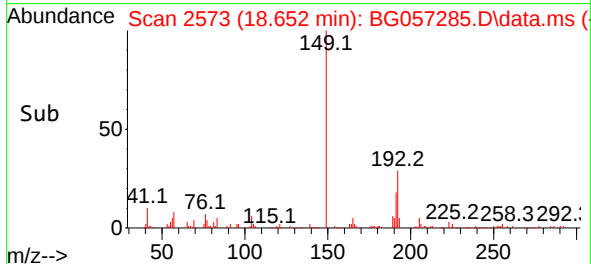
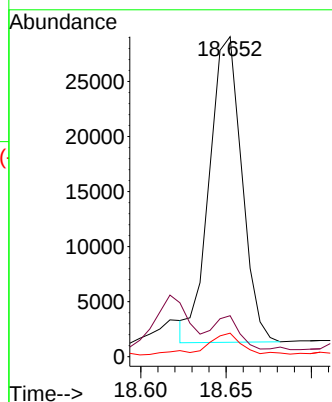
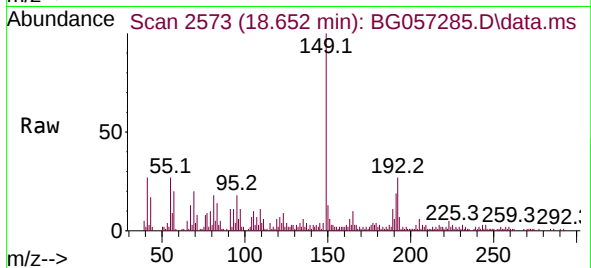
EW925

Tgt Ion:	149	Resp:	36724
Ion Ratio	Lower	Upper	
149	100		
150	12.8	7.3	10.9
104	7.3	5.0	7.6

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#80

Fluoranthene

Concen: 30.505 ng/uI

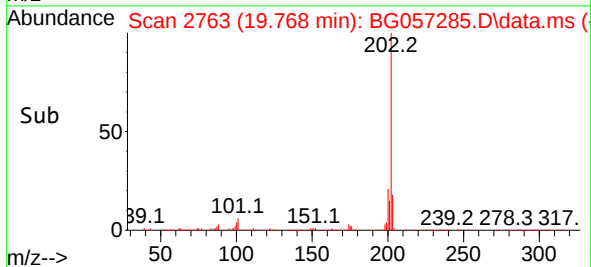
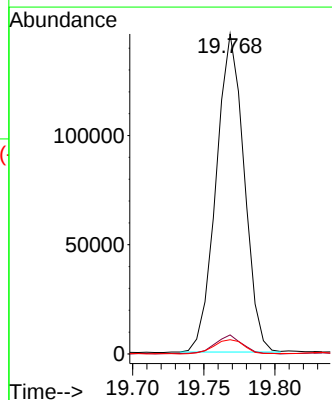
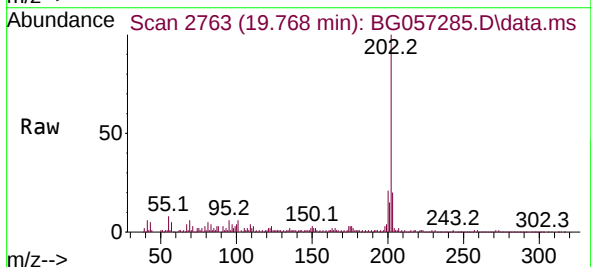
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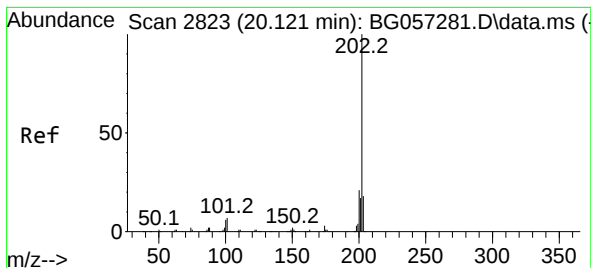
Delta R.T. 0.003 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Tgt Ion:	202	Resp:	199621
Ion Ratio	Lower	Upper	
202	100		
101	5.9	5.8	8.6
100	4.5	4.6	7.0





#82

Pyrene

Concen: 30.104 ng/ul

RT: 20.133 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Instrument :

BNA_G

ClientSampleId :

EW925

Tgt Ion:202 Resp: 199424

Ion Ratio Lower Upper

202 100

101 6.1 5.7 8.5

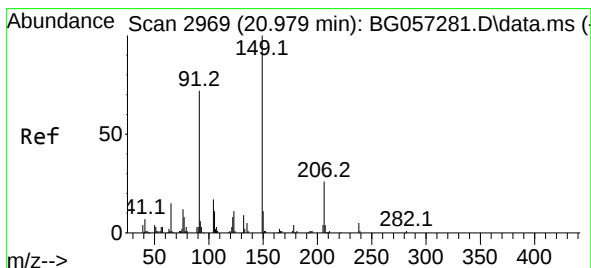
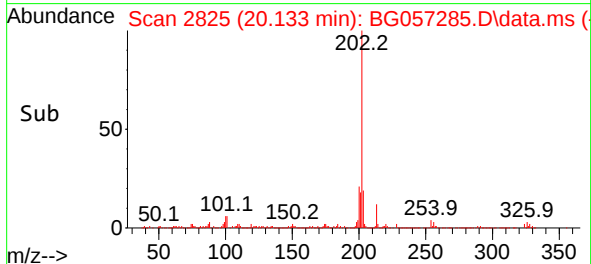
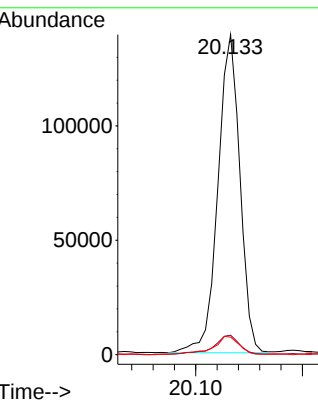
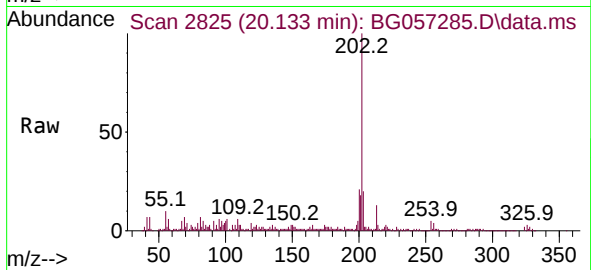
100 5.5 6.0 9.0

Manual Integrations

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#83

Butylbenzylphthalate

Concen: 20.861 ng/ul

RT: 20.979 min Scan# 2969

Delta R.T. -0.003 min

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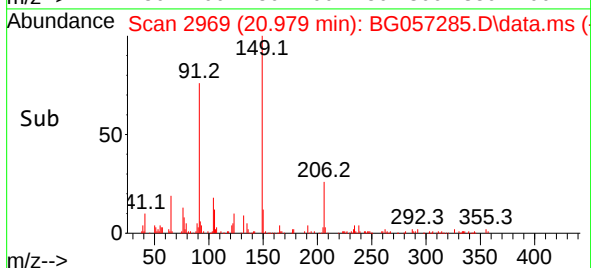
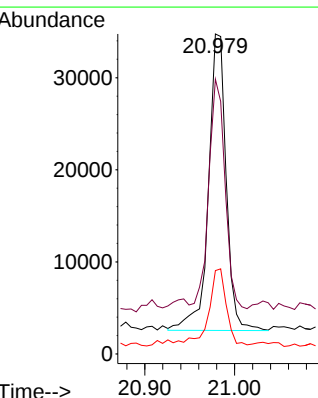
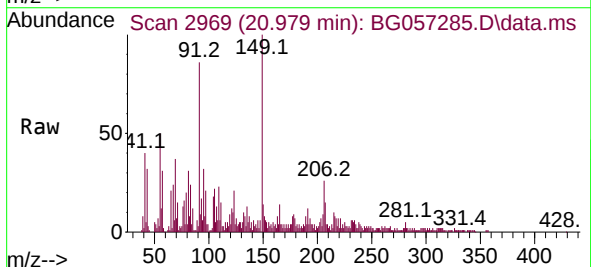
Tgt Ion:149 Resp: 44257

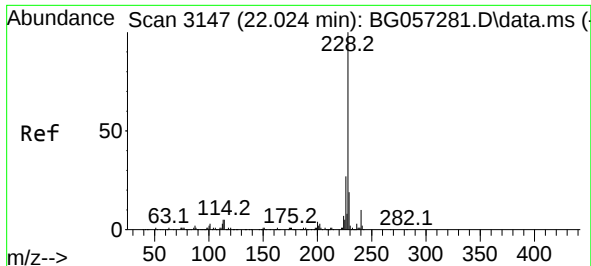
Ion Ratio Lower Upper

149 100

91 85.8 58.6 87.8

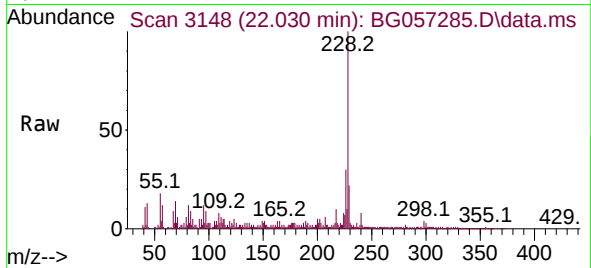
206 26.0 19.8 29.8





#85
Benzo(a)anthracene
Concen: 22.472 ng/u1
RT: 22.030 min Scan# 3147
Delta R.T. 0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

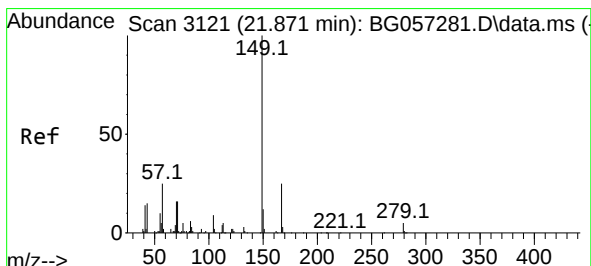
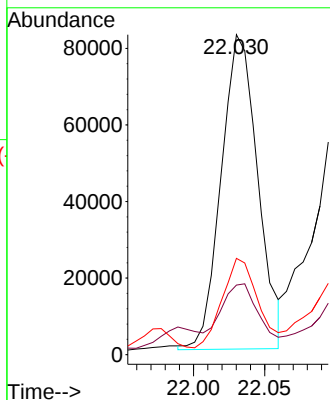
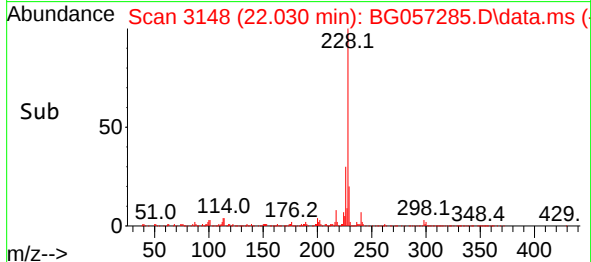
Instrument :
BNA_G
ClientSampleId :
EW925



Tgt Ion:228 Resp: 147504
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.6
226 30.1 21.7 32.5

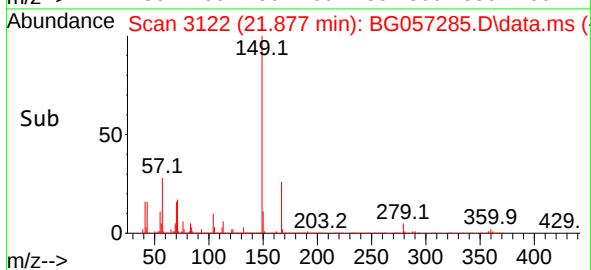
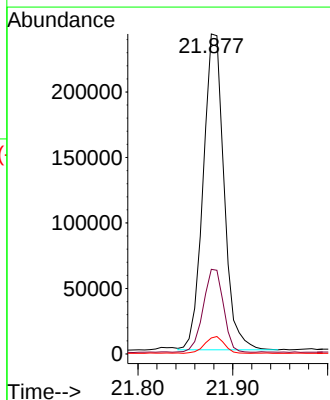
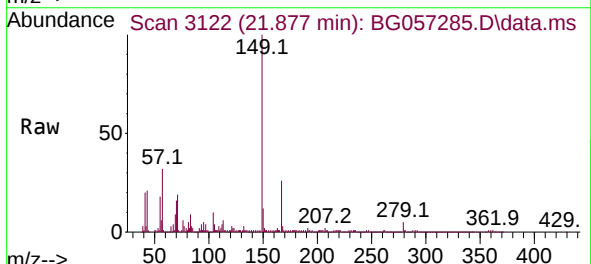
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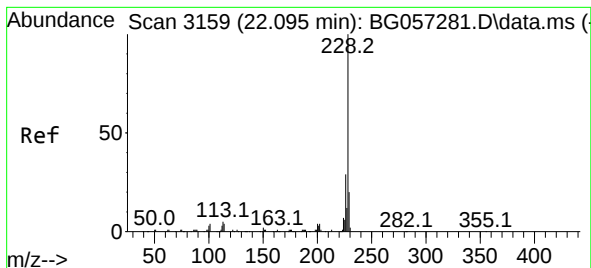
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 119.569 ng/u1
RT: 21.877 min Scan# 3122
Delta R.T. 0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:149 Resp: 368930
Ion Ratio Lower Upper
149 100
167 26.5 23.0 34.6
279 5.0 3.6 5.4





#87

Chrysene

Concen: 25.891 ng/ul

RT: 22.106 min Scan# 3161

Delta R.T. 0.009 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Instrument :

BNA_G

ClientSampleId :

EW925

Tgt Ion:228 Resp: 16033

Ion Ratio Lower Upper

228 100

226 34.1 22.8 34.2

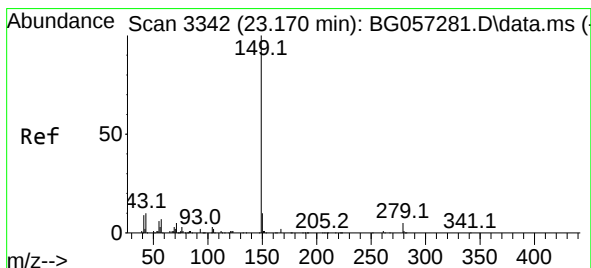
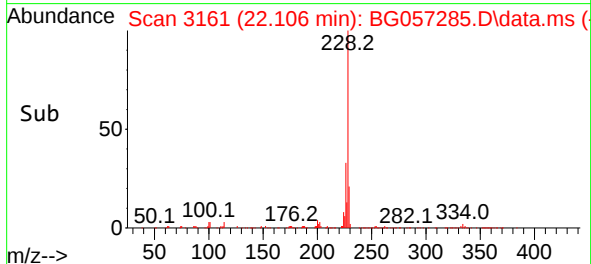
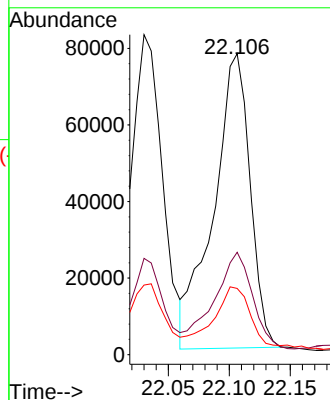
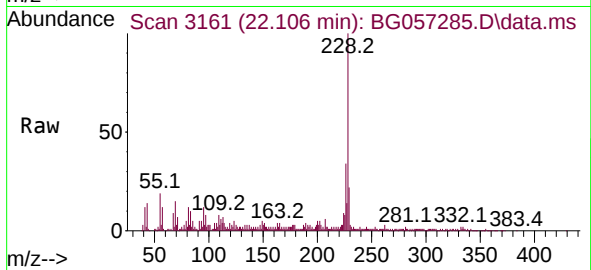
229 22.0 15.5 23.3

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#89

Di-n-octyl phthalate

Concen: 7.823 ng/ul

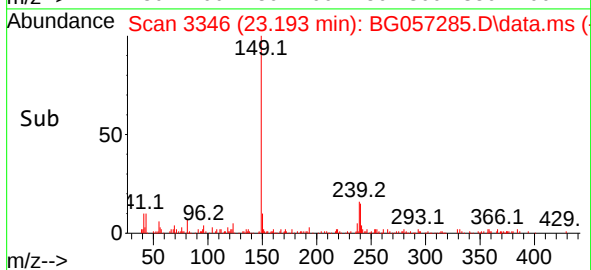
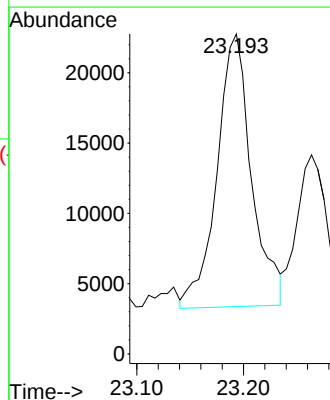
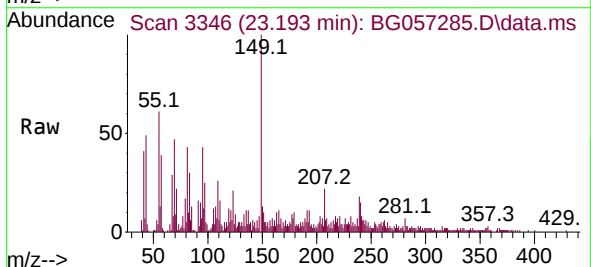
RT: 23.193 min Scan# 3346

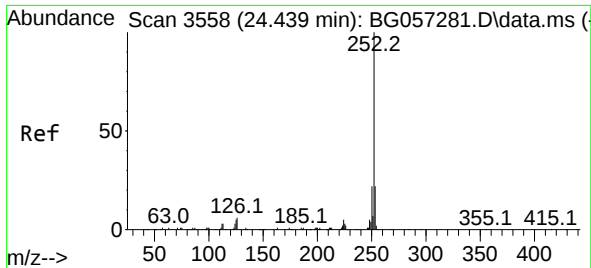
Delta R.T. 0.014 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

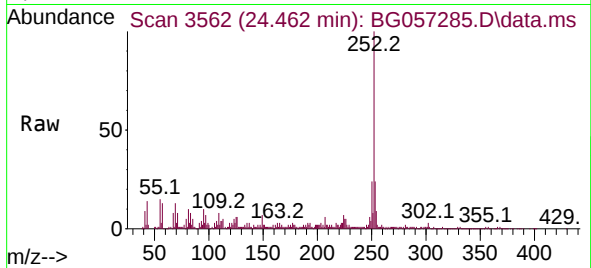
Tgt Ion:149 Resp: 43733





#90
Benzo(b)fluoranthene
Concen: 40.418 ng/ul
RT: 24.462 min Scan# 3558
Delta R.T. 0.026 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

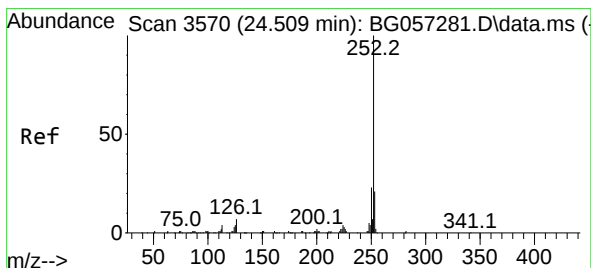
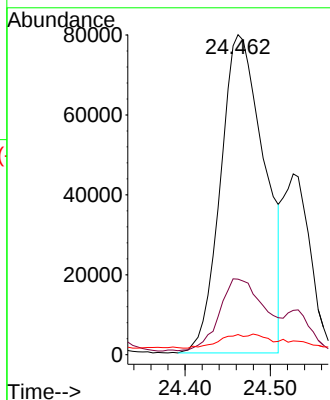
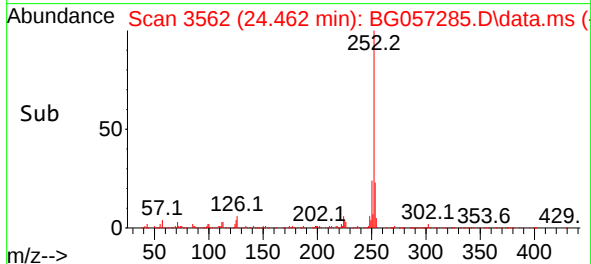
Instrument :
BNA_G
ClientSampleId :
EW925



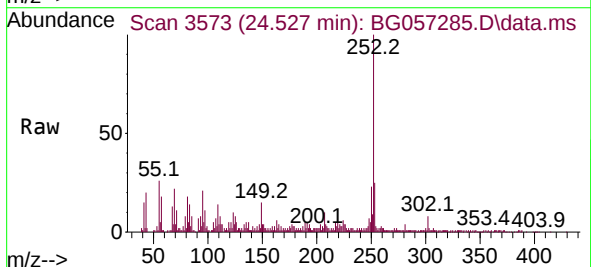
Tgt Ion:252 Resp: 28333
Ion Ratio Lower Upper
252 100
253 23.6 16.7 25.1
125 6.3 4.8 7.2

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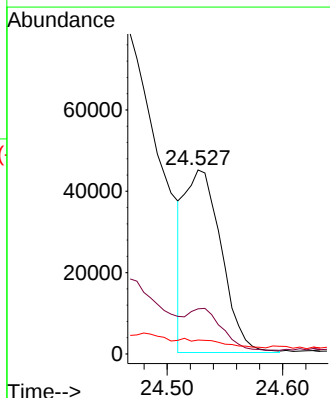
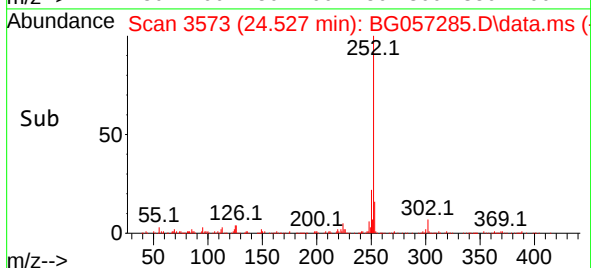
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

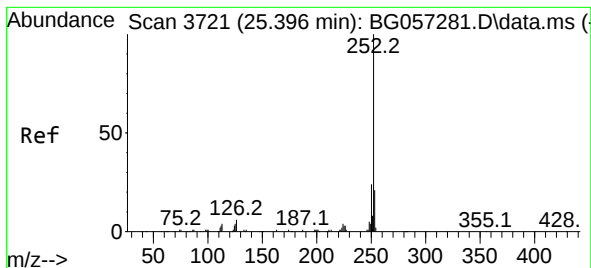


#91
Benzo(k)fluoranthene
Concen: 14.546 ng/ul m
RT: 24.527 min Scan# 3573
Delta R.T. 0.014 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51



Tgt Ion:252 Resp: 99202
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 7.6 4.5 6.7#





#93

Benzo(a)pyrene

Concen: 31.002 ng/u1

RT: 25.431 min Scan# 31

Delta R.T. 0.032 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Instrument :

BNA_G

ClientSampleId :

EW925

Tgt Ion:252 Resp: 18762

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

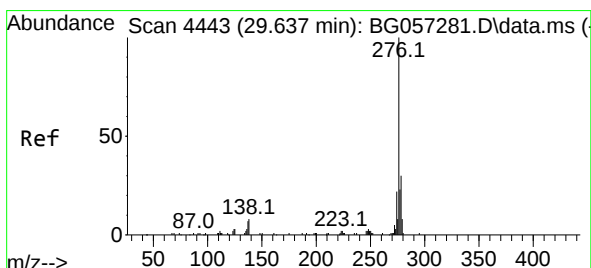
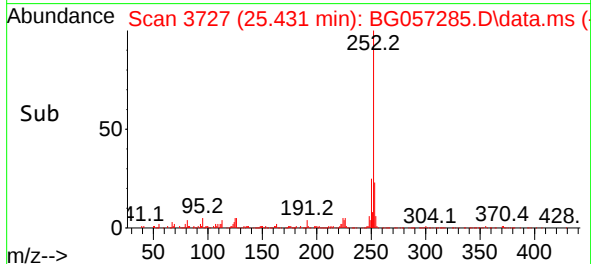
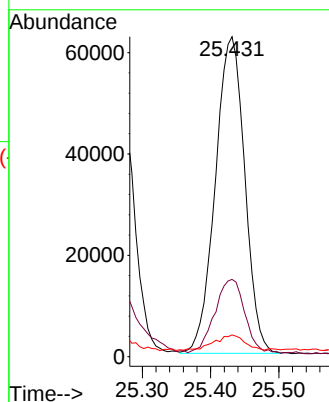
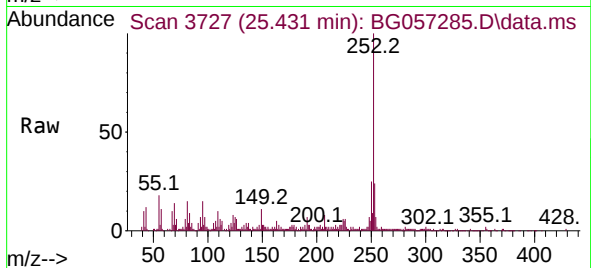
125 6.8 5.1 7.7

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 23.882 ng/u1

RT: 29.679 min Scan# 4450

Delta R.T. 0.056 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

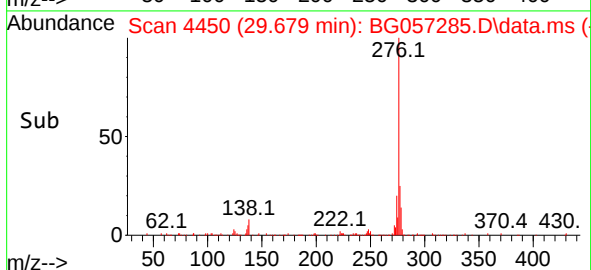
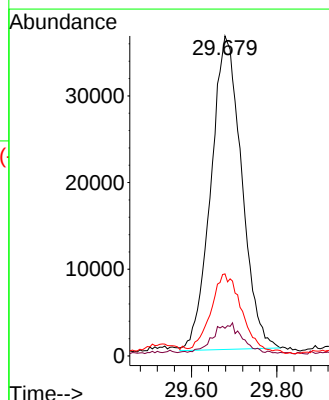
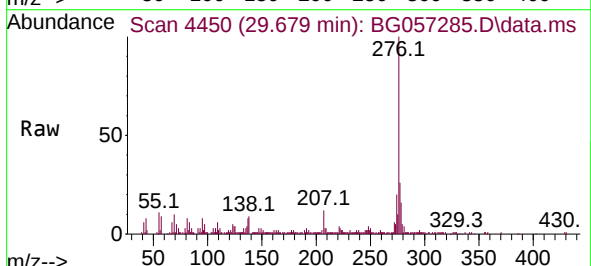
Tgt Ion:276 Resp: 180675

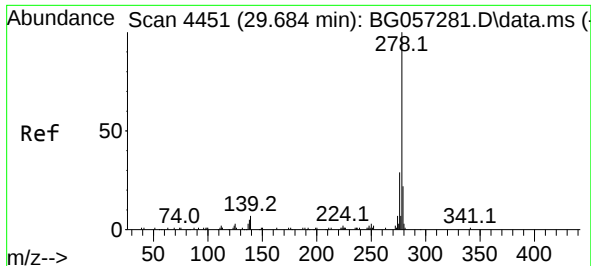
Ion Ratio Lower Upper

276 100

138 8.7 9.4 14.2#

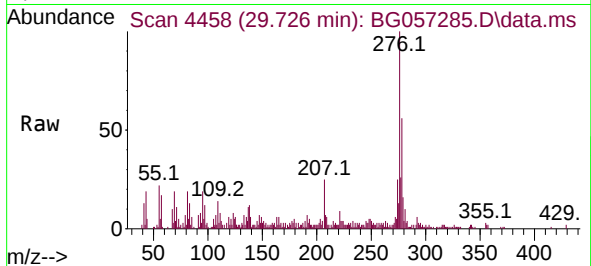
277 25.6 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 8.160 ng/ul m
RT: 29.726 min Scan# 4451
Delta R.T. 0.032 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

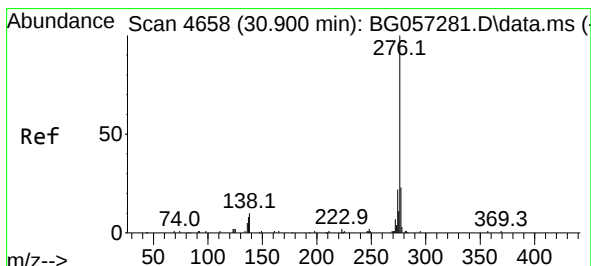
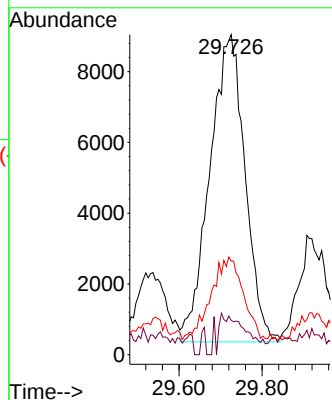
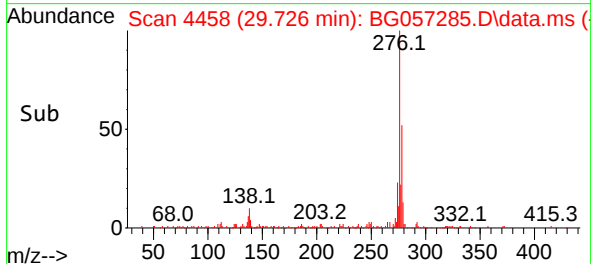
Instrument :
BNA_G
ClientSampleId :
EW925



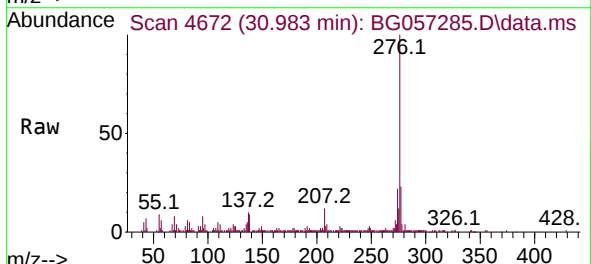
Tgt Ion:278 Resp: 5118
Ion Ratio Lower Upper
278 100
139 10.7 5.8 8.6
279 29.2 18.3 27.5

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



#96
Benzo(g,h,i)perylene
Concen: 32.857 ng/ul
RT: 30.983 min Scan# 4672
Delta R.T. 0.073 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51



Tgt Ion:276 Resp: 201169
Ion Ratio Lower Upper
276 100
138 8.9 8.7 13.1
277 23.2 18.4 27.6

