

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057275.D
 Acq On : 2 May 2023 12:21
 Operator : CG/JU
 Sample : 02419-32
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW927

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

Quant Time: May 03 01:41:06 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	8.384	152	14449	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	61721	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.992	164	45704	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	98690	20.000	ng/u1	0.00
79) Chrysene-d12	22.047	240	81385	20.000	ng/u1	# 0.00
88) Perylene-d12	25.578	264	89084	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	494	1.505	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.520	99	16355	11.969	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	10317	12.837	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	12065	13.398	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	10805	10.404	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	6667	13.564	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	7584	13.221	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	14863	13.430	ng/u1	0.00
31) 4-Chloroaniline-d4	11.344	131	8650	5.897	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	50670	13.992	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	59466	14.610	ng/u1	0.00
54) 4-Nitrophenol-d4	15.186	143	3668	6.958	ng/u1	0.00
60) Fluorene-d10	15.979	176	45306	13.429	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	2245	3.839	ng/u1	0.00
73) Anthracene-d10	17.830	188	65551	14.552	ng/u1	0.00
81) Pyrene-d10	20.097	212	74193	15.359	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.331	264	68288	15.046	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.212	105	3619	2.025	ng/u1	93
30) Naphthalene	11.274	128	7918	2.336	ng/u1	98
36) 2-Methylnaphthalene	12.848	142	4949	1.991	ng/u1	92
37) 1-Methylnaphthalene	13.066	142	3432	1.373	ng/u1#	98
52) Acenaphthene	15.057	153	11907	4.040	ng/u1	88
56) Dibenzofuran	15.392	168	10613	2.494	ng/u1	99
61) Fluorene	16.032	166	13010	3.615	ng/u1	99
72) Phenanthrene	17.777	178	169259	32.934	ng/u1	100
74) Anthracene	17.865	178	43077	8.344	ng/u1	98
77) Carbazole	18.129	167	12941	3.000	ng/u1	94
78) Di-n-butylphthalate	18.646	149	5314	1.077	ng/u1#	81
80) Fluoranthene	19.768	202	376040	65.531	ng/u1#	96
82) Pyrene	20.132	202	339974	58.524	ng/u1#	95
83) Butylbenzylphthalate	20.978	149	3944	2.120	ng/u1#	84
85) Benzo(a)anthracene	22.030	228	190551	33.105	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.871	149	28584	10.564	ng/u1	96
87) Chrysene	22.100	228	175205	32.263	ng/u1	95
90) Benzo(b)fluoranthene	24.450	252	222920	36.136	ng/u1	98
91) Benzo(k)fluoranthene	24.515	252	91746m	15.287	ng/u1	
93) Benzo(a)pyrene	25.414	252	183293m	34.416	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.643	276	106703	16.028	ng/u1#	93
95) Dibenzo(a,h)anthracene	29.690	278	26366m	4.776	ng/u1	
96) Benzo(g,h,i)perylene	30.924	276	93830m	17.415	ng/u1	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057275.D
 Acq On : 2 May 2023 12:21
 Operator : CG/JU
 Sample : 02419-32
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 EW927

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

Quant Time: May 03 01:41:06 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)
----------	------	------	----------	------	-------	----------

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

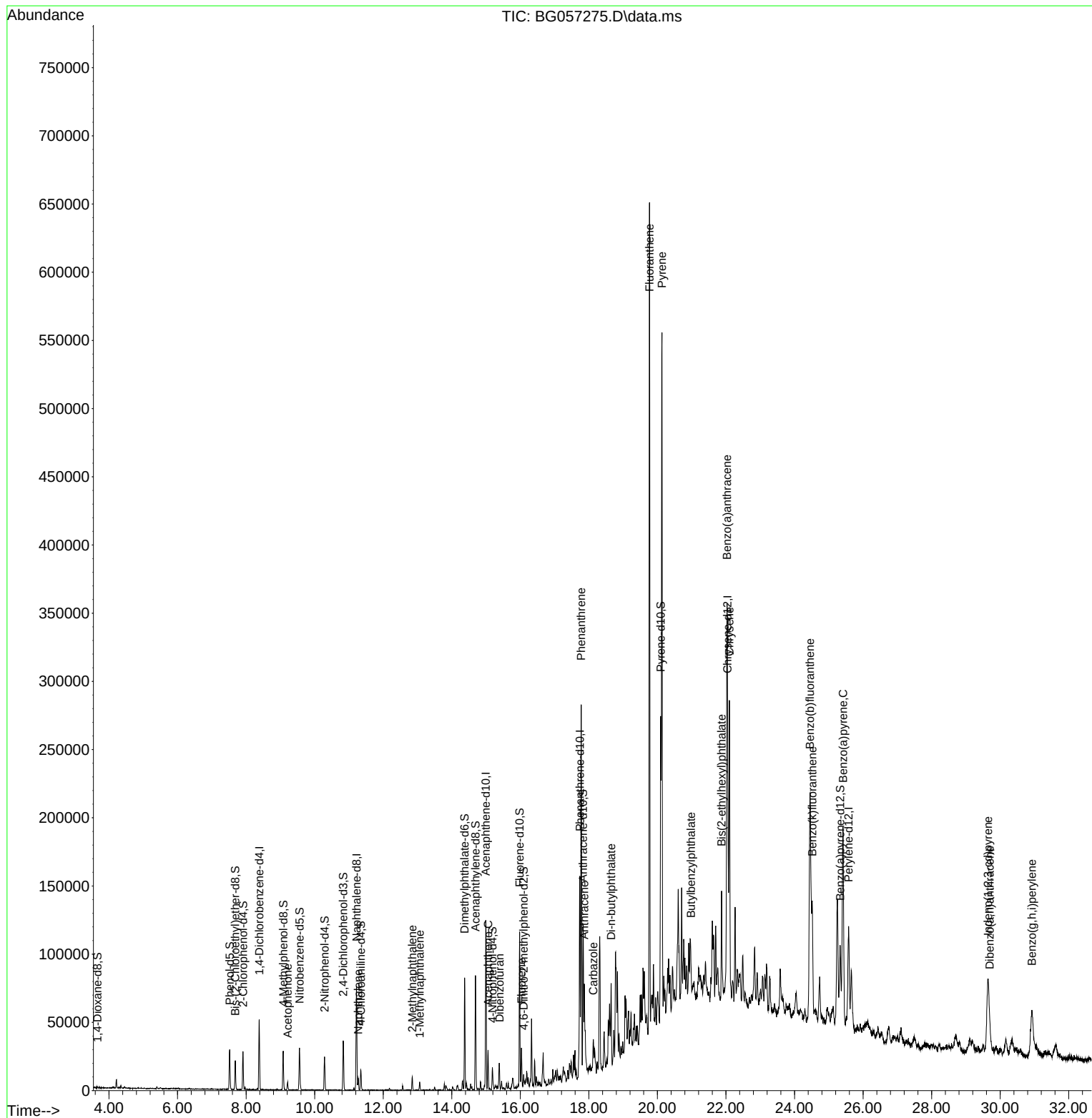
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057275.D
 Acq On : 2 May 2023 12:21
 Operator : CG/JU
 Sample : 02419-32
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

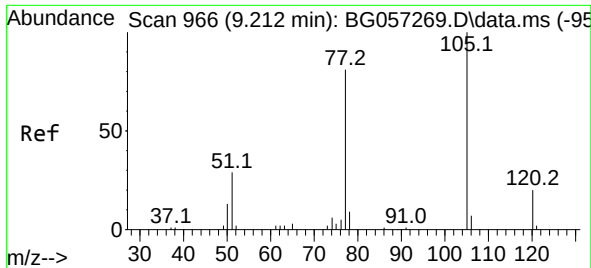
Instrument :
 BNA_G
 ClientSampleId :
 EW927

Quant Time: May 03 01:41:06 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

Manual Integrations APPROVED

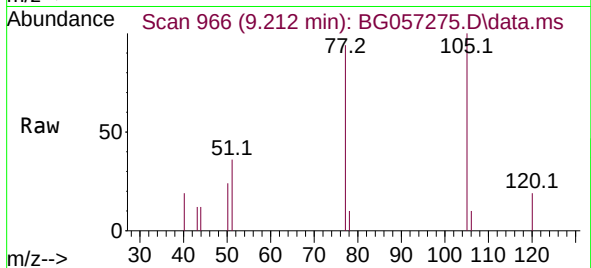
Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023





#16
Acetophenone
Concen: 2.025 ng/ul
RT: 9.212 min Scan# 966
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

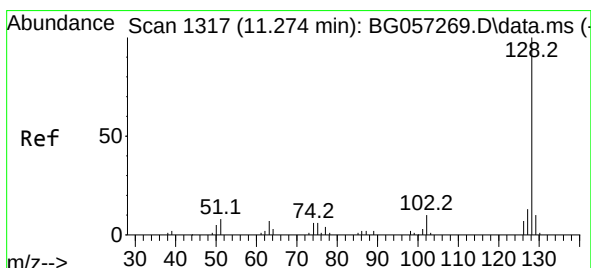
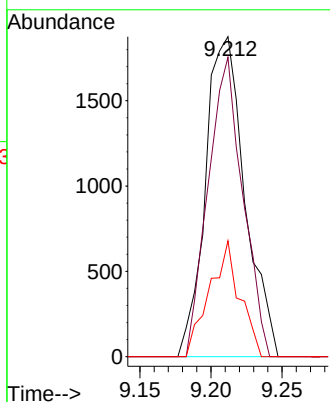
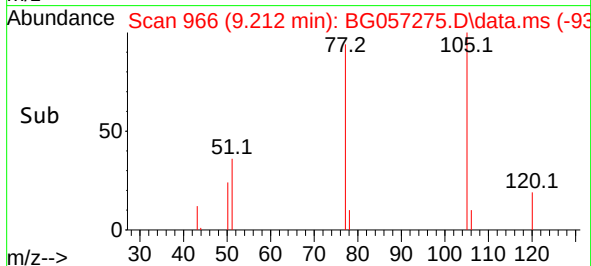
Instrument :
BNA_G
ClientSampleId :
EW927



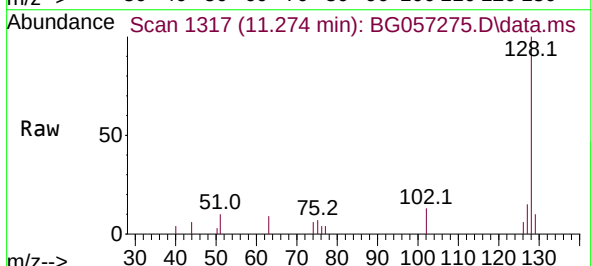
Tgt Ion:105 Resp: 3619
Ion Ratio Lower Upper
105 100
77 93.6 70.6 105.8
51 36.2 24.5 36.7

Manual Integrations
APPROVED

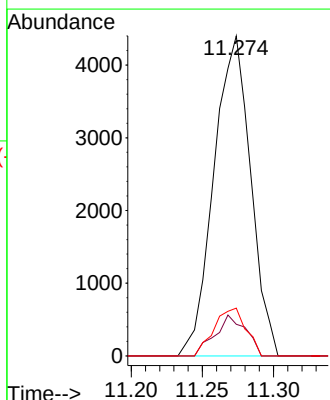
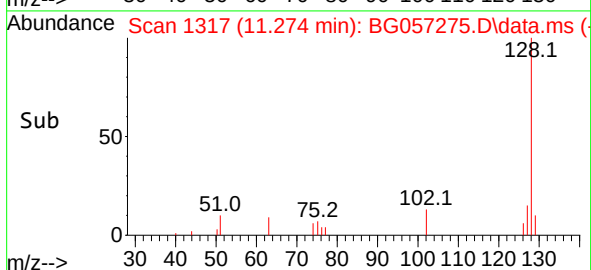
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

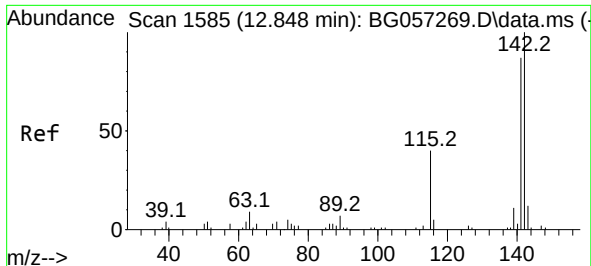


#30
Naphthalene
Concen: 2.336 ng/ul
RT: 11.274 min Scan# 1317
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21



Tgt Ion:128 Resp: 7918
Ion Ratio Lower Upper
128 100
129 9.9 8.5 12.7
127 14.9 11.4 17.0





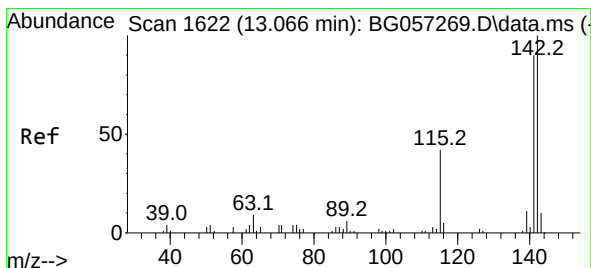
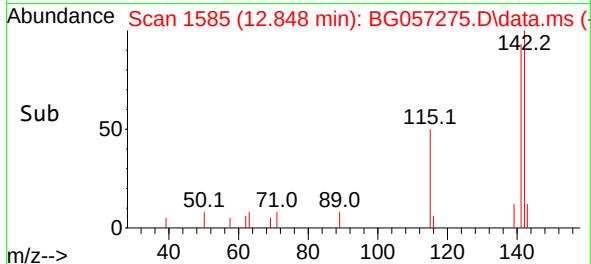
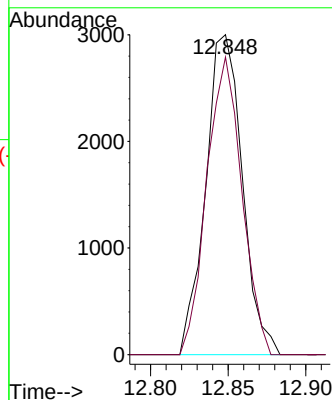
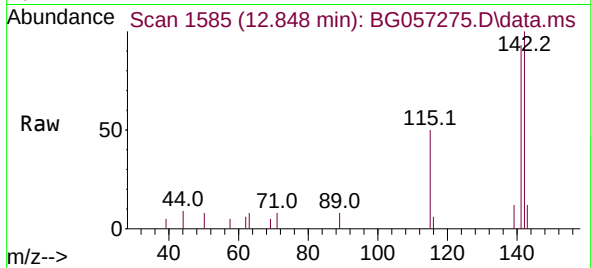
#36
2-Methylnaphthalene
Concen: 1.991 ng/ul
RT: 12.848 min Scan# 1585
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

Instrument :
BNA_G
ClientSampleId :
EW927

Tgt Ion:142 Resp: 4949
Ion Ratio Lower Upper
142 100
141 93.0 68.7 103.1

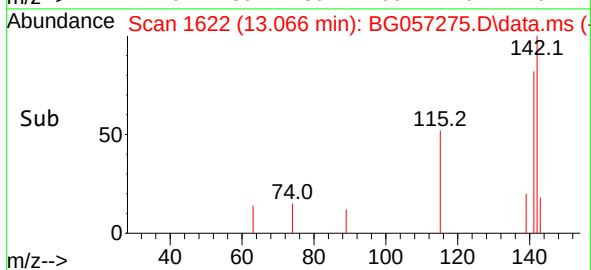
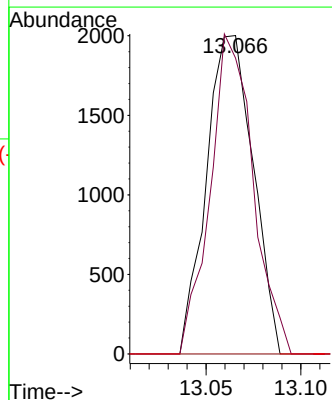
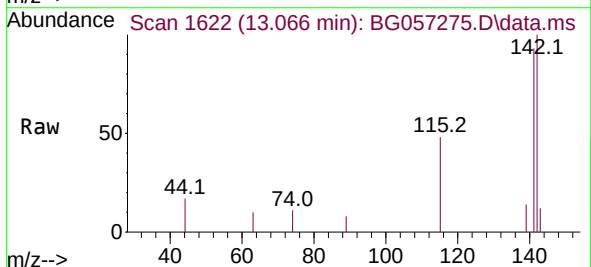
Manual Integrations
APPROVED

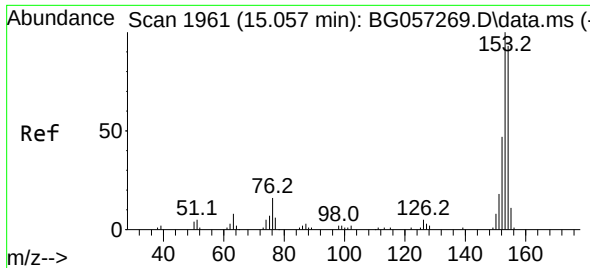
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#37
1-Methylnaphthalene
Concen: 1.373 ng/ul
RT: 13.066 min Scan# 1622
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

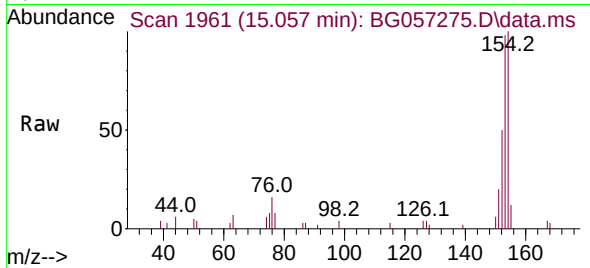
Tgt Ion:142 Resp: 3432
Ion Ratio Lower Upper
142 100
141 93.0 72.9 109.3
116 0.0 3.2 4.8#





#52
Acenaphthene
Concen: 4.040 ng/u1
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

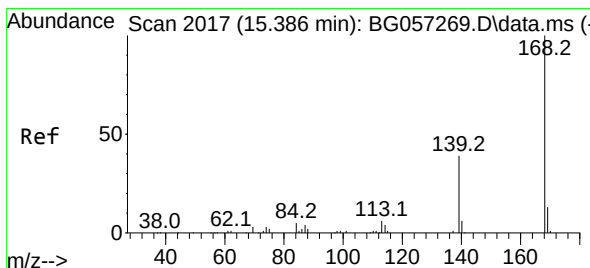
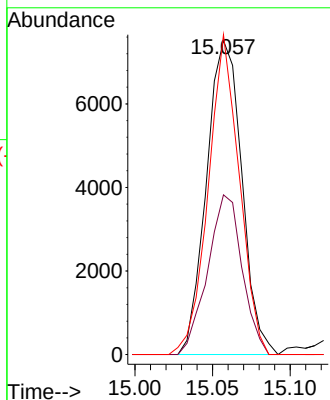
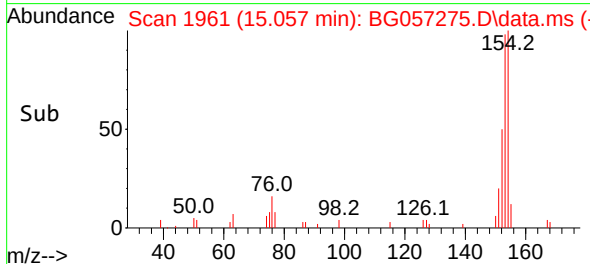
Instrument :
BNA_G
ClientSampleId :
EW927



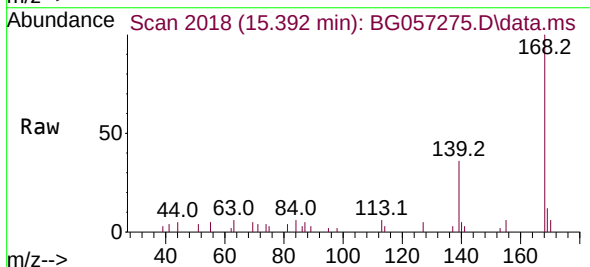
Tgt Ion:153 Resp: 11907
Ion Ratio Lower Upper
153 100
152 50.8 36.5 54.7
154 101.8 70.6 106.0

Manual Integrations
APPROVED

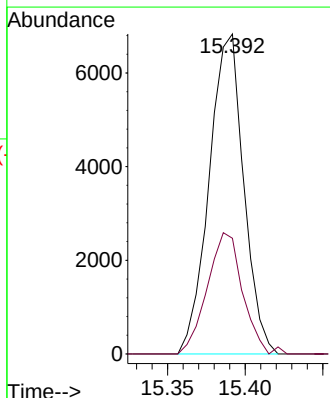
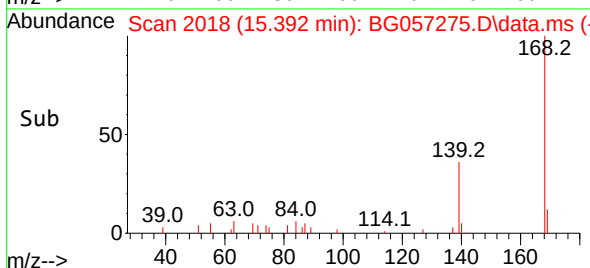
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

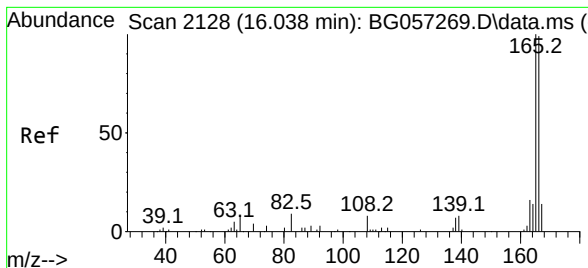


#56
Dibenzofuran
Concen: 2.494 ng/u1
RT: 15.392 min Scan# 2018
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21



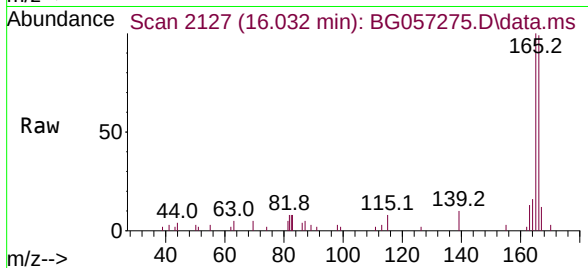
Tgt Ion:168 Resp: 10613
Ion Ratio Lower Upper
168 100
139 36.1 29.6 44.4





#61
Fluorene
Concen: 3.615 ng/ul
RT: 16.032 min Scan# 2127
Delta R.T. -0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

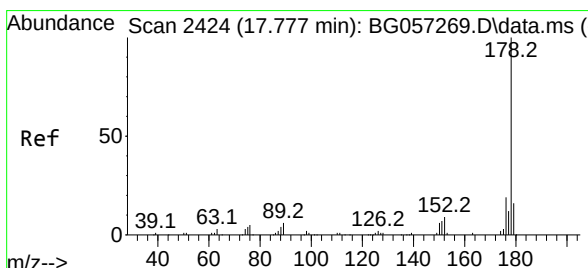
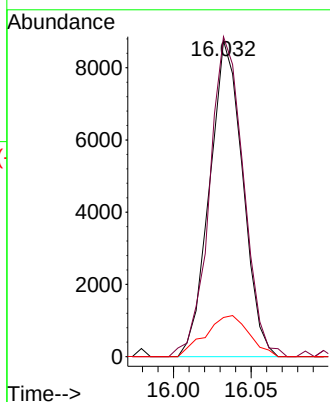
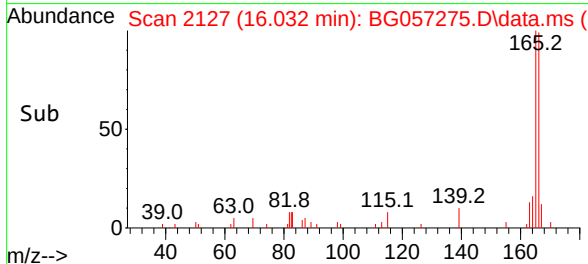
Instrument :
BNA_G
ClientSampleId :
EW927



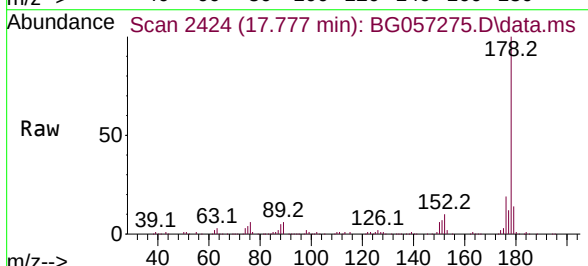
Tgt Ion:166 Resp: 13010
Ion Ratio Lower Upper
166 100
165 101.2 80.1 120.1
167 12.4 10.2 15.4

Manual Integrations
APPROVED

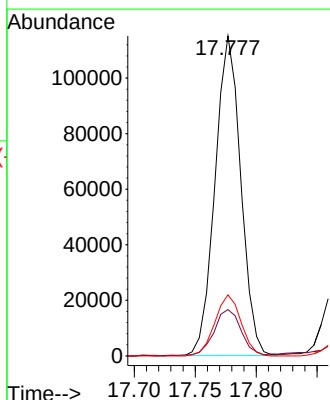
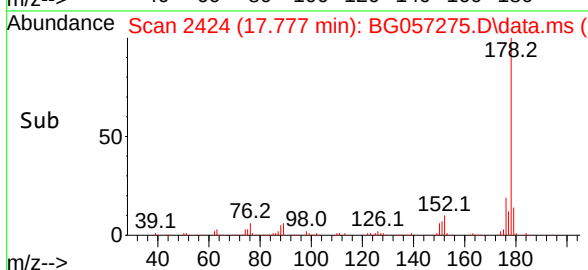
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

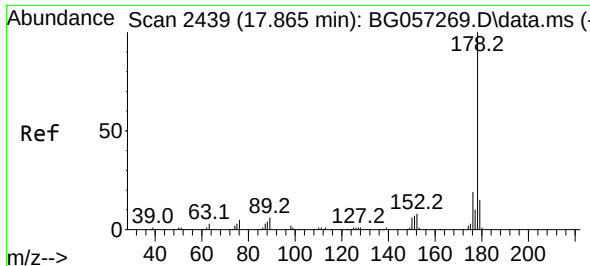


#72
Phenanthrene
Concen: 32.934 ng/ul
RT: 17.777 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21



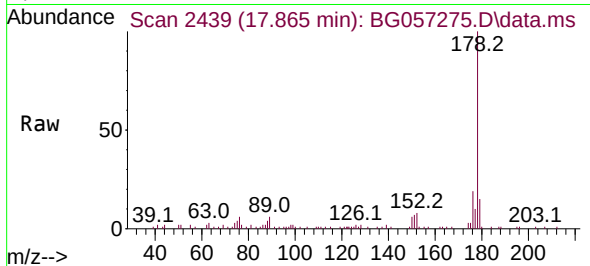
Tgt Ion:178 Resp: 169259
Ion Ratio Lower Upper
178 100
179 14.5 11.8 17.8
176 19.1 15.4 23.0





#74
 Anthracene
 Concen: 8.344 ng/ul
 RT: 17.865 min Scan# 2439
 Delta R.T. -0.003 min
 Lab File: BG057275.D
 Acq: 2 May 2023 12:21

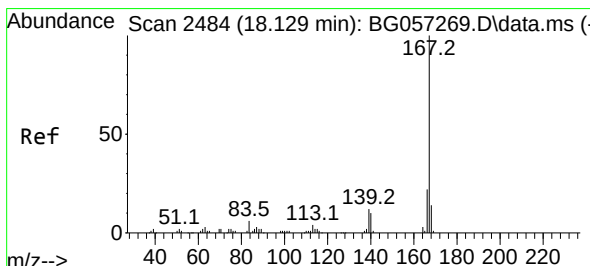
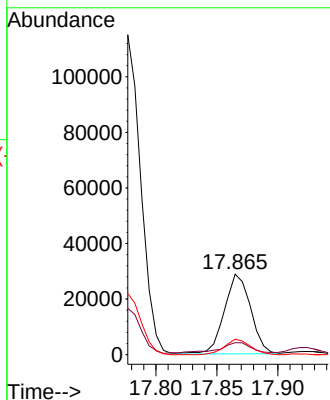
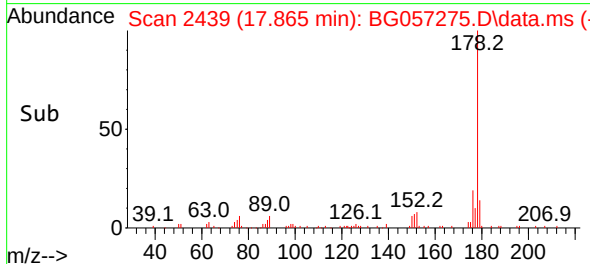
Instrument :
 BNA_G
 ClientSampleId :
 EW927



Tgt Ion:178 Resp: 43072
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.5 18.7
 176 19.2 14.7 22.1

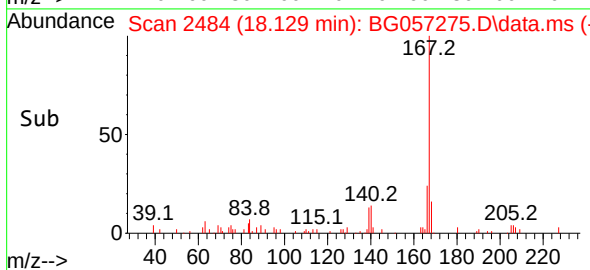
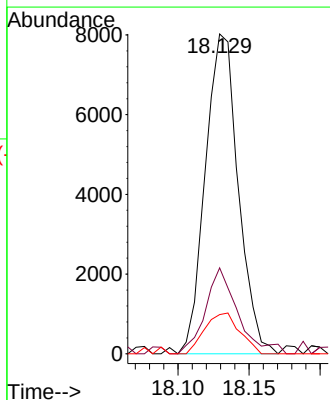
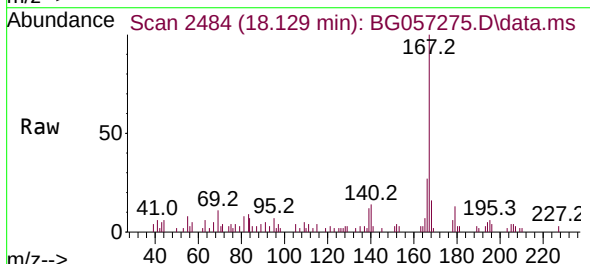
Manual Integrations
 APPROVED

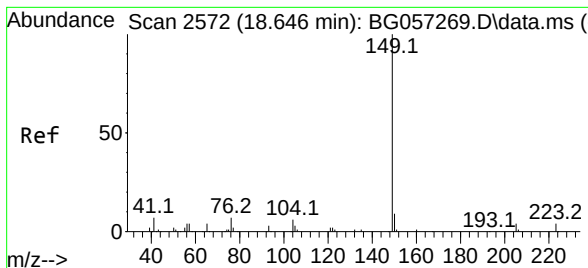
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#77
 Carbazole
 Concen: 3.000 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057275.D
 Acq: 2 May 2023 12:21

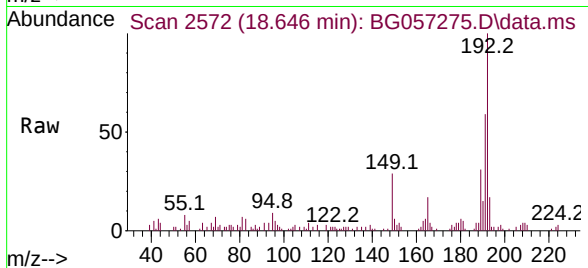
Tgt Ion:167 Resp: 12941
 Ion Ratio Lower Upper
 167 100
 166 26.9 18.0 27.0
 139 12.3 10.3 15.5





#78
Di-n-butylphthalate
Concen: 1.077 ng/ul
RT: 18.646 min Scan# 2572
Delta R.T. -0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

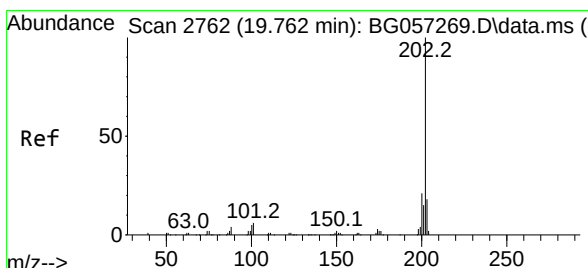
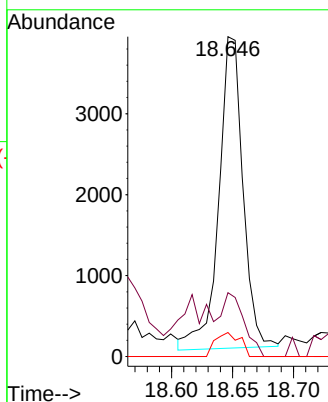
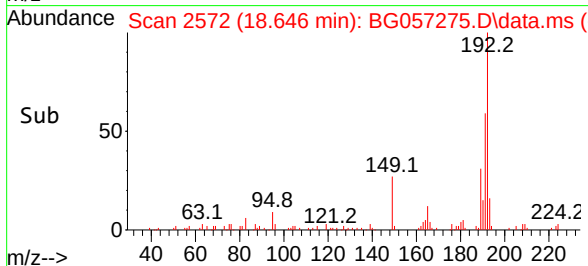
Instrument :
BNA_G
ClientSampleId :
EW927



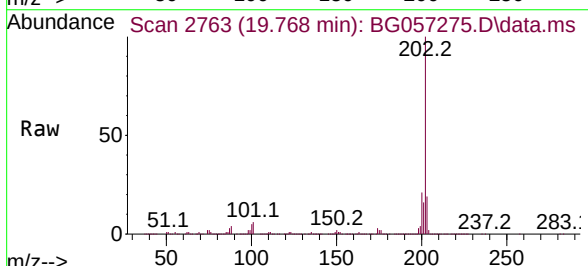
Tgt Ion:149 Resp: 5314
Ion Ratio Lower Upper
149 100
150 20.0 7.3 10.9#
104 7.5 5.0 7.6

Manual Integrations
APPROVED

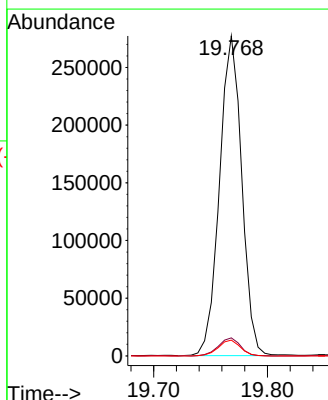
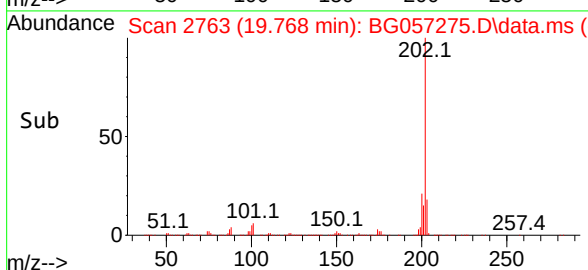
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

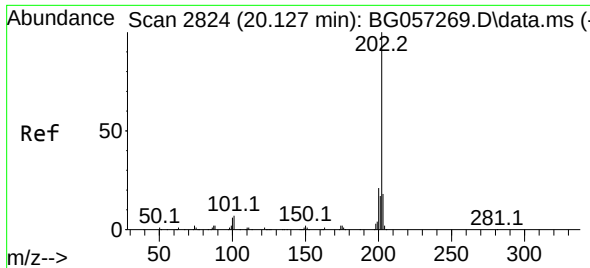


#80
Fluoranthene
Concen: 65.531 ng/ul
RT: 19.768 min Scan# 2763
Delta R.T. 0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21



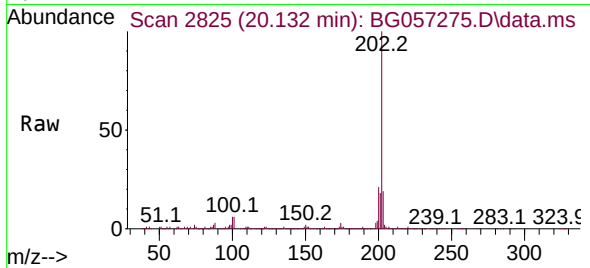
Tgt Ion:202 Resp: 376040
Ion Ratio Lower Upper
202 100
101 5.6 5.8 8.6#
100 4.9 4.6 7.0





#82
 Pyrene
 Concen: 58.524 ng/ul
 RT: 20.132 min Scan# 2825
 Delta R.T. 0.008 min
 Lab File: BG057275.D
 Acq: 2 May 2023 12:21

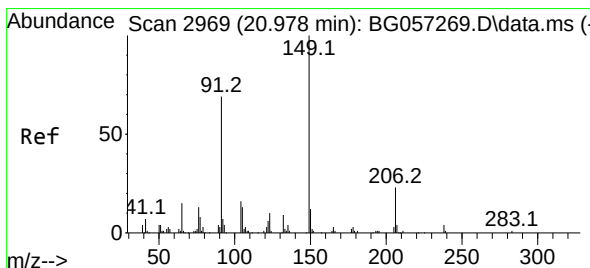
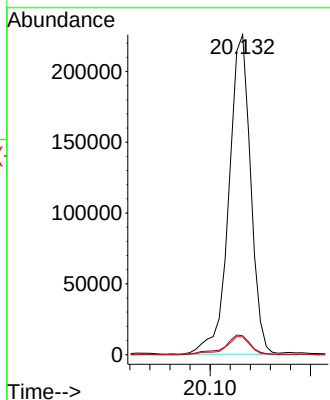
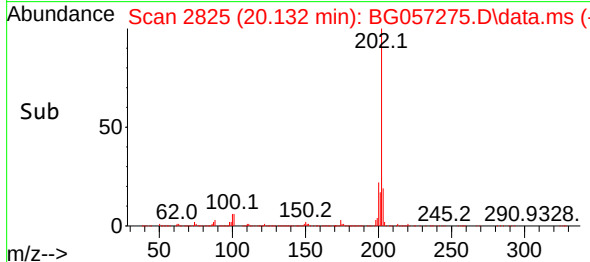
Instrument :
 BNA_G
 ClientSampleId :
 EW927



Tgt Ion:202 Resp: 339974
 Ion Ratio Lower Upper
 202 100
 101 5.9 5.7 8.5
 100 5.5 6.0 9.0

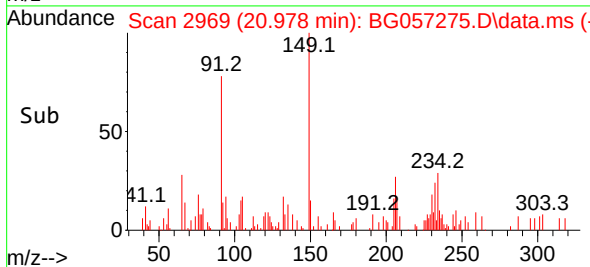
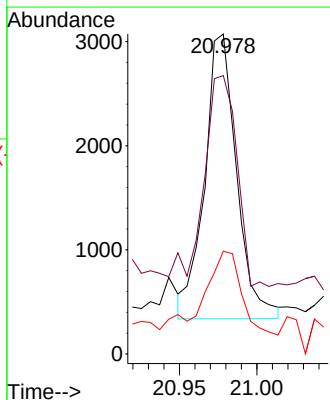
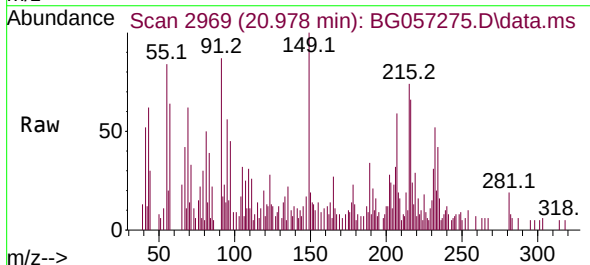
Manual Integrations
 APPROVED

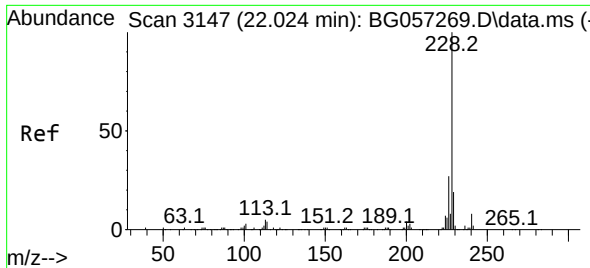
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#83
 Butylbenzylphthalate
 Concen: 2.120 ng/ul
 RT: 20.978 min Scan# 2969
 Delta R.T. -0.003 min
 Lab File: BG057275.D
 Acq: 2 May 2023 12:21

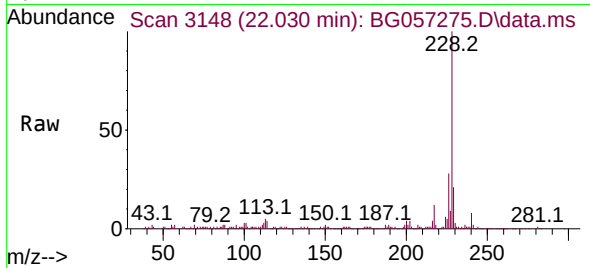
Tgt Ion:149 Resp: 3944
 Ion Ratio Lower Upper
 149 100
 91 87.0 58.6 87.8
 206 32.1 19.8 29.8





#85
Benzo(a)anthracene
Concen: 33.105 ng/ul
RT: 22.030 min Scan# 3148
Delta R.T. 0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

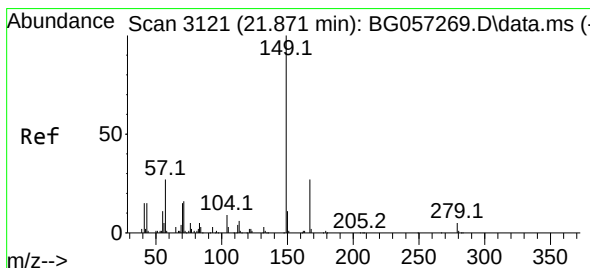
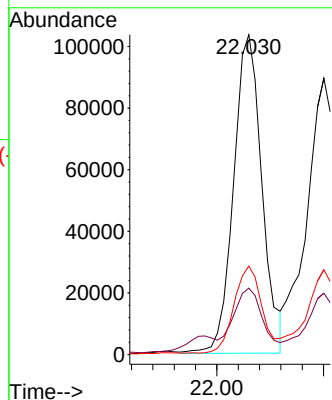
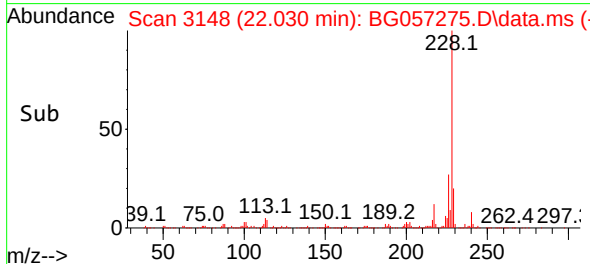
Instrument :
BNA_G
ClientSampleId :
EW927



Tgt Ion:228 Resp: 190551
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 27.7 21.7 32.5

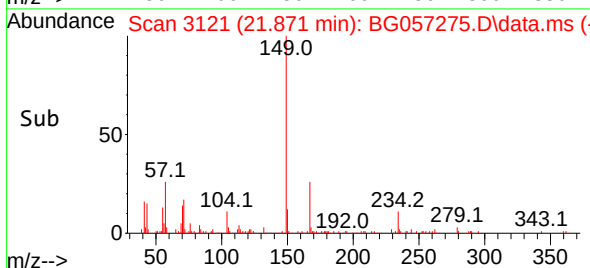
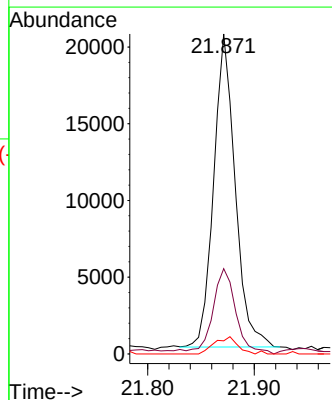
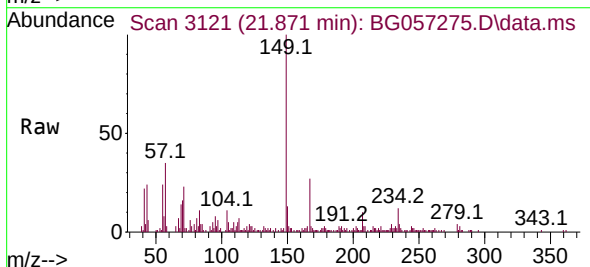
Manual Integrations
APPROVED

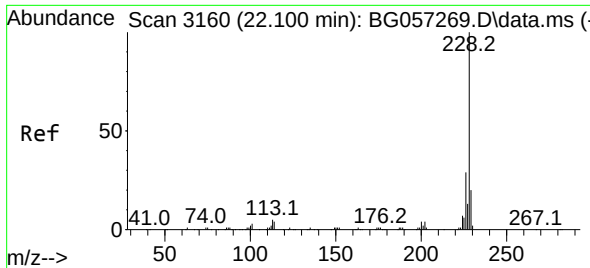
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 10.564 ng/ul
RT: 21.871 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

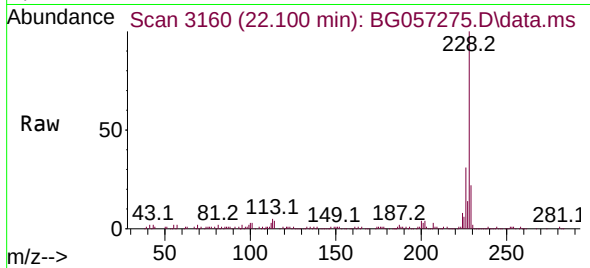
Tgt Ion:149 Resp: 28584
Ion Ratio Lower Upper
149 100
167 26.6 23.0 34.6
279 4.1 3.6 5.4





#87
Chrysene
Concen: 32.263 ng/ul
RT: 22.100 min Scan# 3160
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

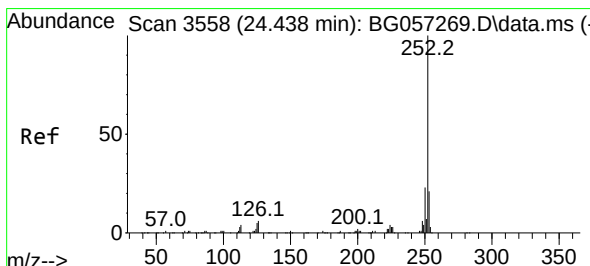
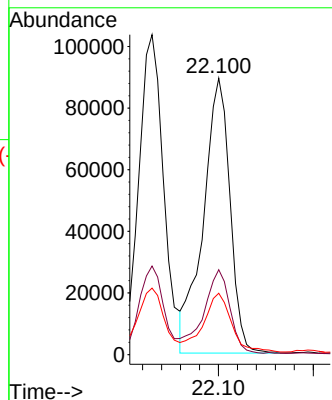
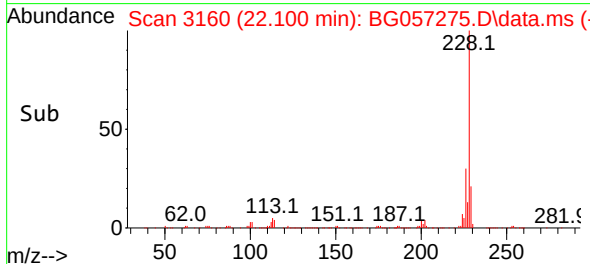
Instrument :
BNA_G
ClientSampleId :
EW927



Tgt Ion:228 Resp: 175205
Ion Ratio Lower Upper
228 100
226 30.7 22.8 34.2
229 22.2 15.5 23.3

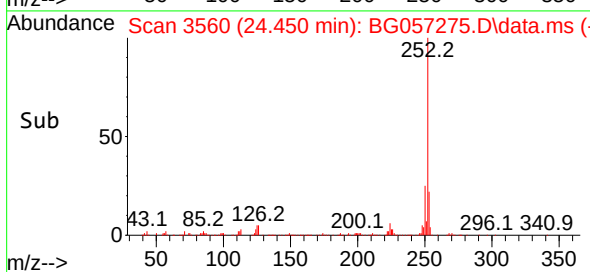
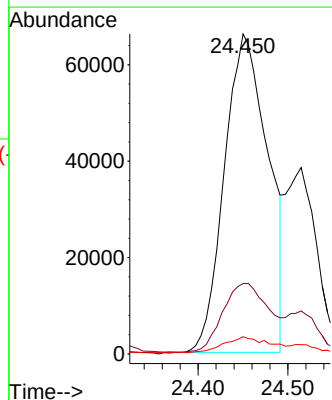
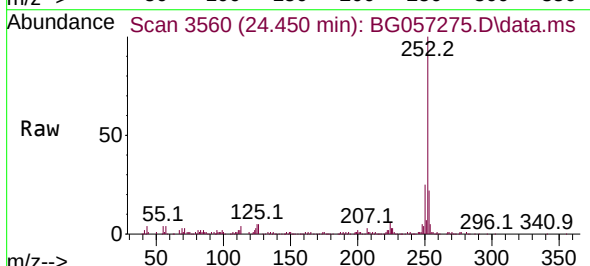
Manual Integrations
APPROVED

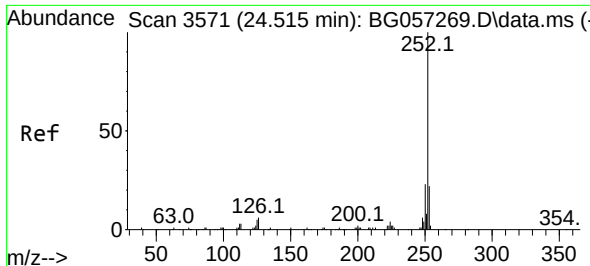
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#90
Benzo(b)fluoranthene
Concen: 36.136 ng/ul
RT: 24.450 min Scan# 3560
Delta R.T. 0.014 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

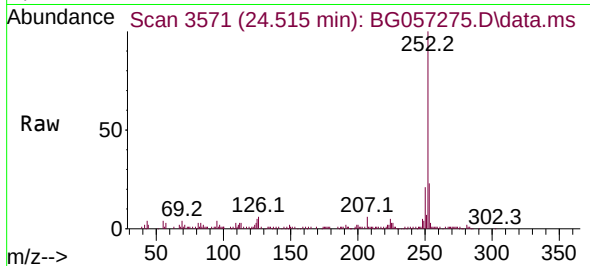
Tgt Ion:252 Resp: 222920
Ion Ratio Lower Upper
252 100
253 22.0 16.7 25.1
125 5.4 4.8 7.2





#91
Benzo(k)fluoranthene
Concen: 15.287 ng/ul m
RT: 24.515 min Scan# 3571
Delta R.T. 0.002 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

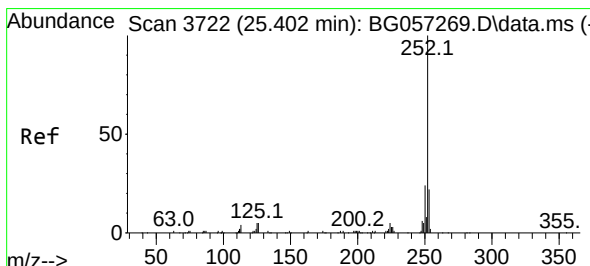
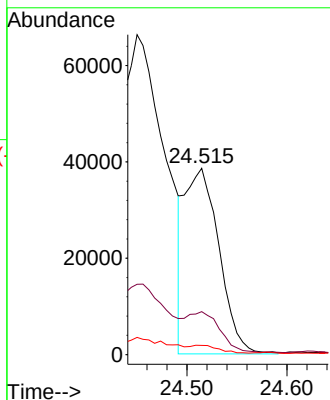
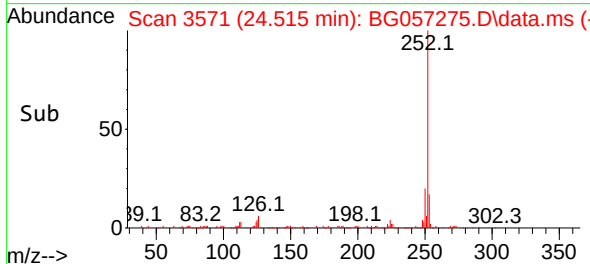
Instrument :
BNA_G
ClientSampleId :
EW927



Tgt Ion:252 Resp: 91746
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 4.9 4.5 6.7

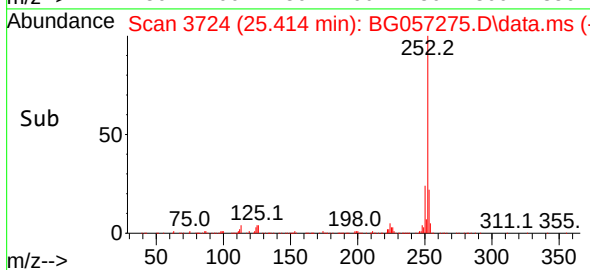
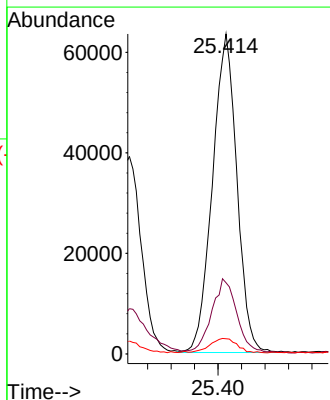
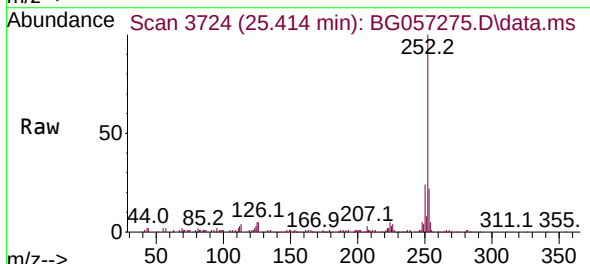
Manual Integrations
APPROVED

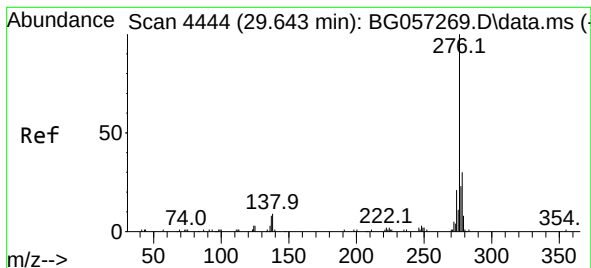
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#93
Benzo(a)pyrene
Concen: 34.416 ng/ul m
RT: 25.414 min Scan# 3724
Delta R.T. 0.014 min
Lab File: BG057275.D
Acq: 2 May 2023 12:21

Tgt Ion:252 Resp: 183293
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 4.7 5.1 7.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.028 ng/ul

RT: 29.643 min Scan# 4444

Delta R.T. 0.020 min

Lab File: BG057275.D

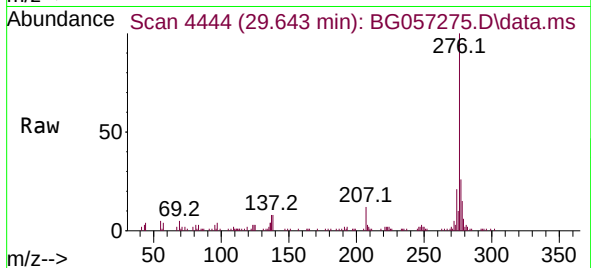
Acq: 2 May 2023 12:21

Instrument :

BNA_G

ClientSampleId :

EW927



Tgt Ion:276 Resp: 106703

Ion Ratio Lower Upper

276 100

138 7.6 9.4 14.2

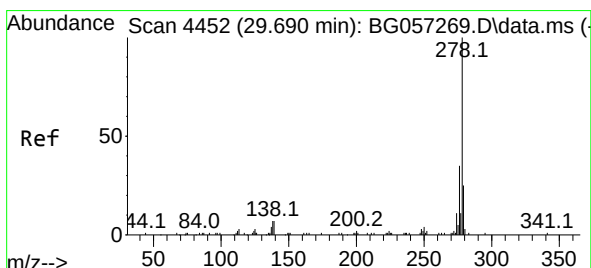
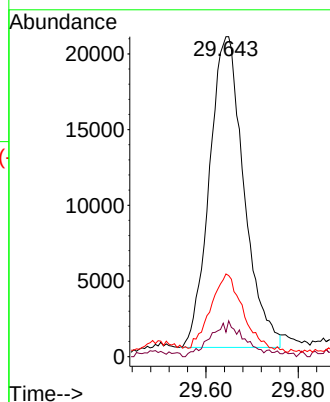
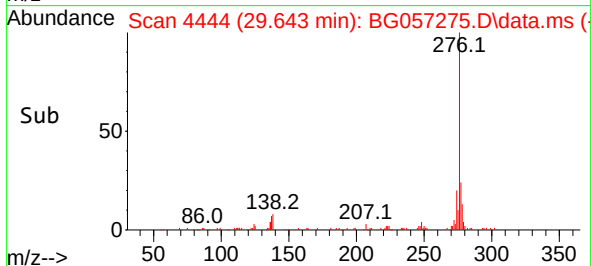
277 25.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.776 ng/ul m

RT: 29.690 min Scan# 4452

Delta R.T. -0.003 min

Lab File: BG057275.D

Acq: 2 May 2023 12:21

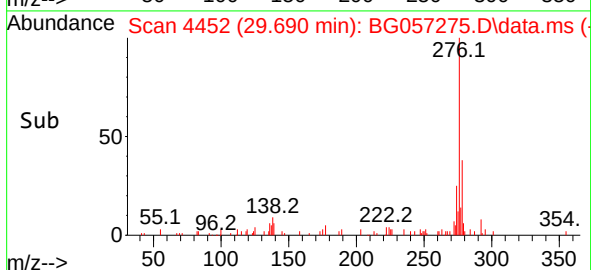
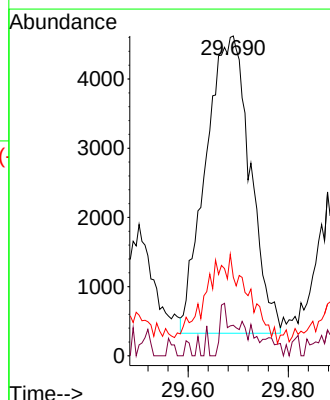
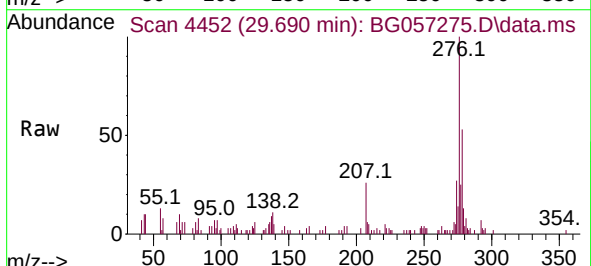
Tgt Ion:278 Resp: 26366

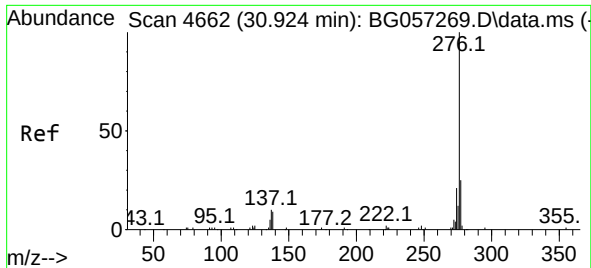
Ion Ratio Lower Upper

278 100

139 9.6 5.8 8.6

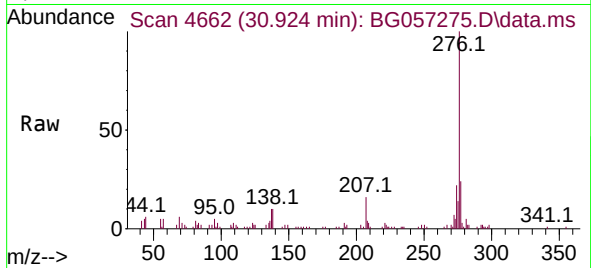
279 24.6 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 17.415 ng/ul m
 RT: 30.924 min Scan# 4662
 Delta R.T. 0.014 min
 Lab File: BG057275.D
 Acq: 2 May 2023 12:21

Instrument :
 BNA_G
 ClientSampleId :
 EW927



Tgt Ion:276 Resp: 93836
 Ion Ratio Lower Upper
 276 100
 138 10.4 8.7 13.1
 277 24.1 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

