

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057289.D
 Acq On : 3 May 2023 16:35
 Operator : CG/JU
 Sample : 02419-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW919

Manual Integrations
 APPROVED

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

Quant Time: May 04 03:04:24 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	8.379	152	13395	20.000	ng/u1	0.00
20) Naphthalene-d8	11.216	136	57685	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.993	164	46319	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.737	188	107181	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.060	240	90047	20.000	ng/u1	# 0.00
88) Perylene-d12	25.585	264	96259	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	508	1.669	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.521	99	18281	14.431	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	9844	13.212	ng/u1	0.00
11) 2-Chlorophenol-d4	7.909	132	13364	16.009	ng/u1	0.00
15) 4-Methylphenol-d8	9.084	113	14257	14.808	ng/u1	0.00
21) Nitrobenzene-d5	9.554	128	6842	14.894	ng/u1	0.00
24) 2-Nitrophenol-d4	10.288	143	7330	13.672	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	15979	15.449	ng/u1	0.00
31) 4-Chloroaniline-d4	11.340	131	8197	5.979	ng/u1	0.00
46) Dimethylphthalate-d6	14.377	166	58349	15.898	ng/u1	0.00
49) Acenaphthylene-d8	14.694	160	68116	16.513	ng/u1	0.00
54) 4-Nitrophenol-d4	15.193	143	2711m	5.075	ng/u1	0.02
60) Fluorene-d10	15.980	176	54989	16.083	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.104	200	965	1.520	ng/u1	0.00
73) Anthracene-d10	17.837	188	86842	17.751	ng/u1	0.00
81) Pyrene-d10	20.104	212	93242	17.445	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.344	264	86287	17.595	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	9.213	105	2588m	1.562	ng/u1	
30) Naphthalene	11.269	128	4333	1.368	ng/u1#	96
36) 2-Methylnaphthalene	12.843	142	4697	2.022	ng/u1	99
37) 1-Methylnaphthalene	13.067	142	3833	1.641	ng/u1#	97
52) Acenaphthene	15.058	153	11912	3.988	ng/u1	96
56) Dibenzofuran	15.387	168	11032	2.558	ng/u1	99
61) Fluorene	16.033	166	14252	3.908	ng/u1	94
72) Phenanthrene	17.778	178	279135	50.011	ng/u1	98
74) Anthracene	17.872	178	63773	11.375	ng/u1	98
77) Carbazole	18.136	167	27721	5.916	ng/u1	98
80) Fluoranthene	19.769	202	532821	83.920	ng/u1#	96
82) Pyrene	20.134	202	458077	71.269	ng/u1#	97
85) Benzo(a)anthracene	22.037	228	248483	39.017	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.872	149	3695	1.234	ng/u1#	92
87) Chrysene	22.107	228	226521	37.700	ng/u1	96
90) Benzo(b)fluoranthene	24.463	252	327644	49.153	ng/u1	95
91) Benzo(k)fluoranthene	24.528	252	113089m	17.438	ng/u1	
93) Benzo(a)pyrene	25.432	252	240684m	41.823	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.685	276	156785	21.795	ng/u1	98
95) Dibenzo(a,h)anthracene	29.709	278	47384m	7.944	ng/u1	
96) Benzo(g,h,i)perylene	30.966	276	138582	23.803	ng/u1	96

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

Instrument :

BNA_G

ClientSampleId :

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Manual Integrations

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Supervised By :Jagrut Upadhyay 05/04/2023

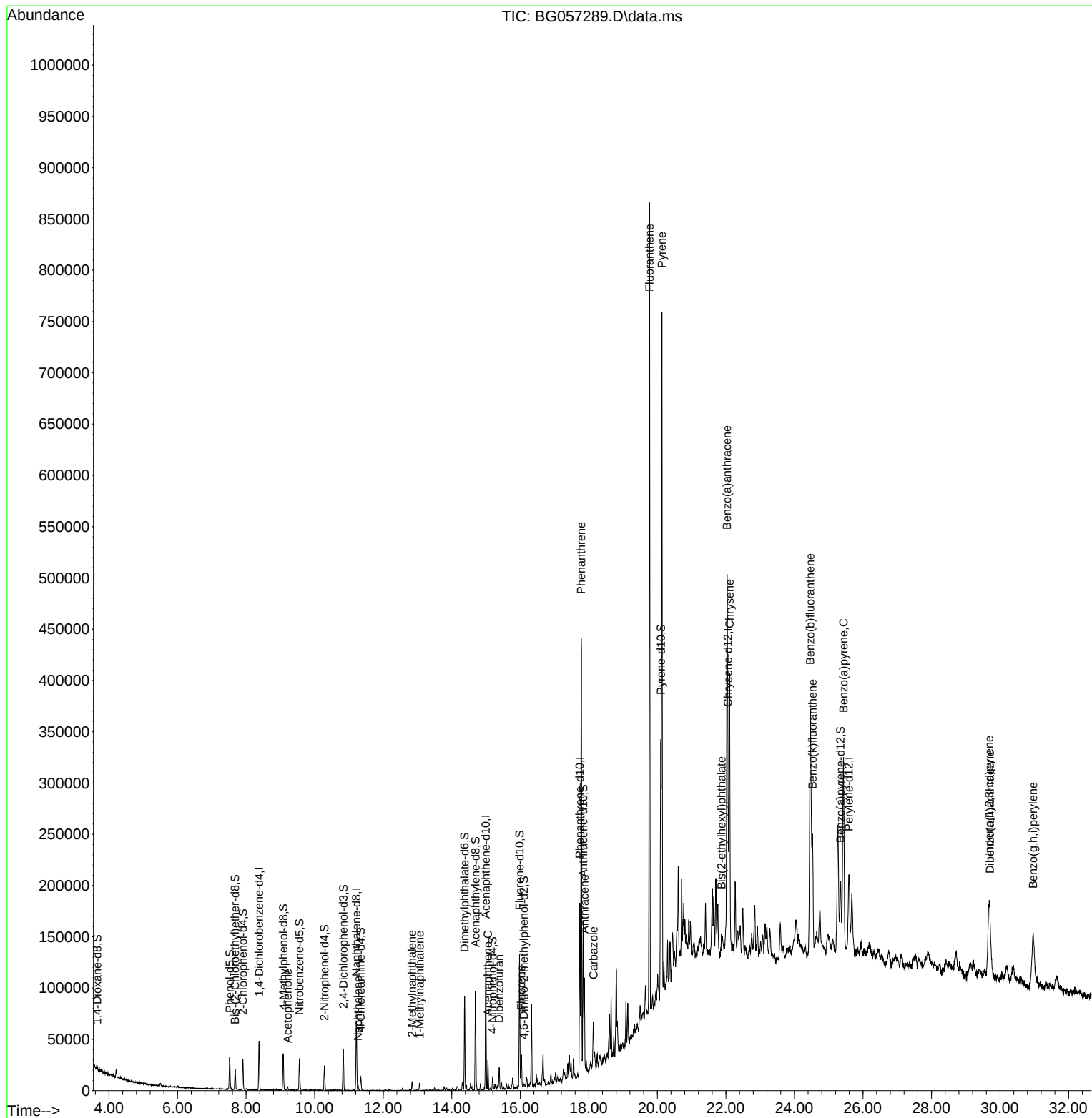
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
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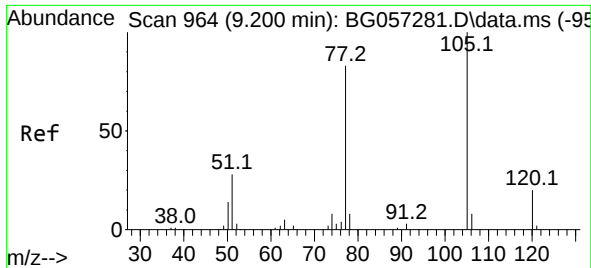
Instrument :
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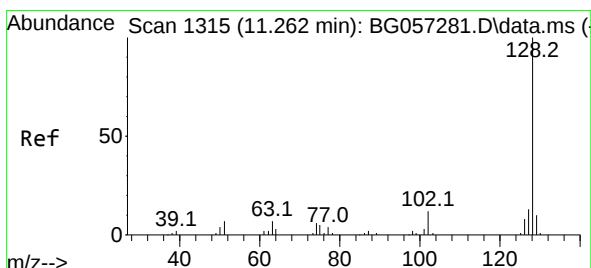
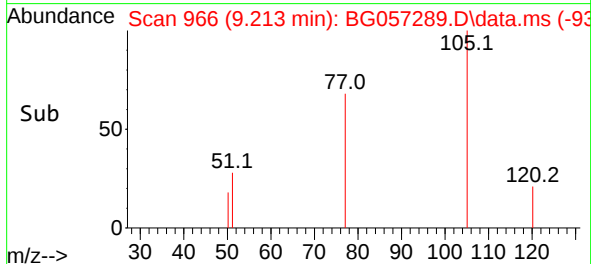
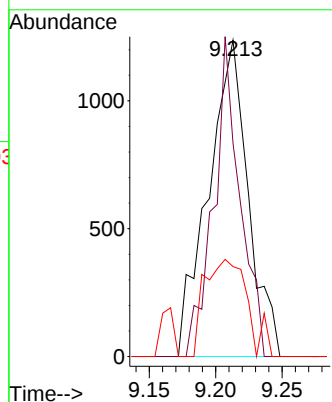
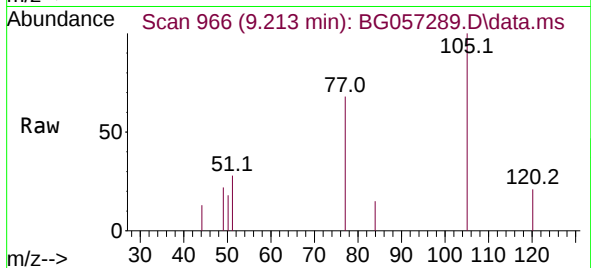
#16
Acetophenone
Concen: 1.562 ng/ul m
RT: 9.213 min Scan# 966
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Instrument :
BNA_G
ClientSampleId :
EW919

Tgt Ion:105 Resp: 2588
Ion Ratio Lower Upper
105 100
77 67.5 70.6 105.8
51 28.5 24.5 36.7

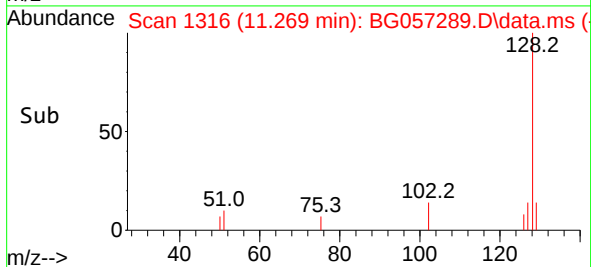
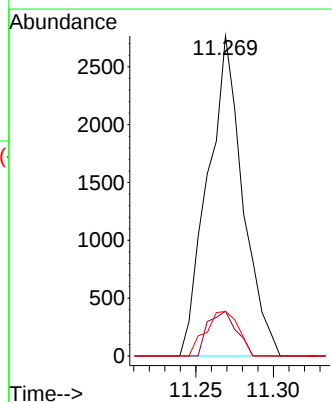
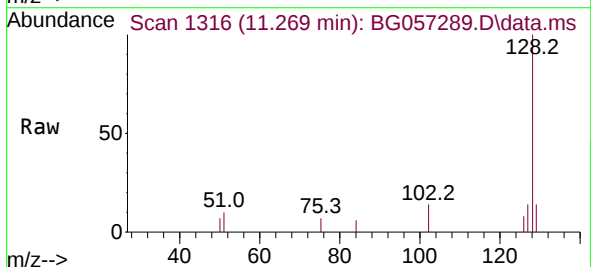
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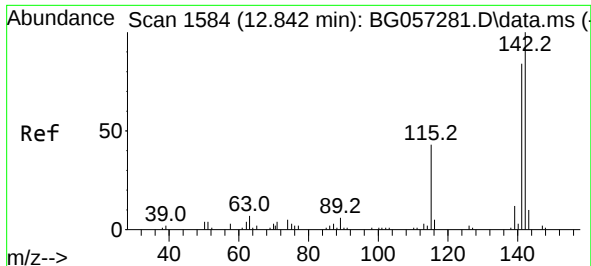
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#30
Naphthalene
Concen: 1.368 ng/ul
RT: 11.269 min Scan# 1316
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

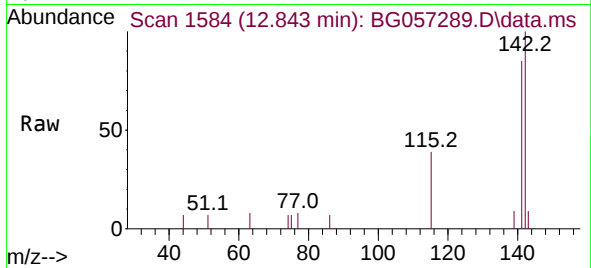
Tgt Ion:128 Resp: 4333
Ion Ratio Lower Upper
128 100
129 14.0 8.5 12.7#
127 13.9 11.4 17.0





#36
2-Methylnaphthalene
Concen: 2.022 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

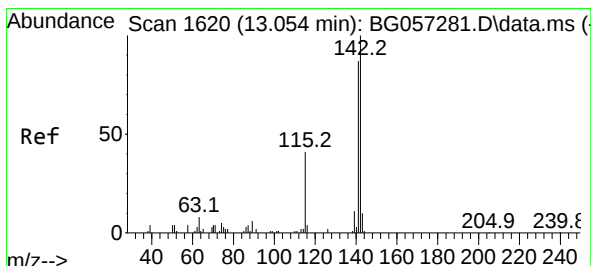
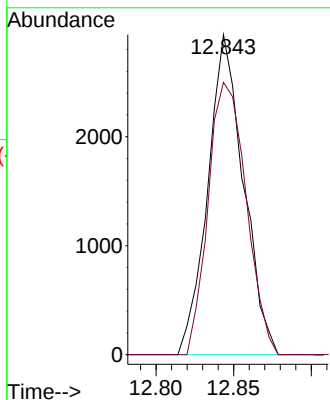
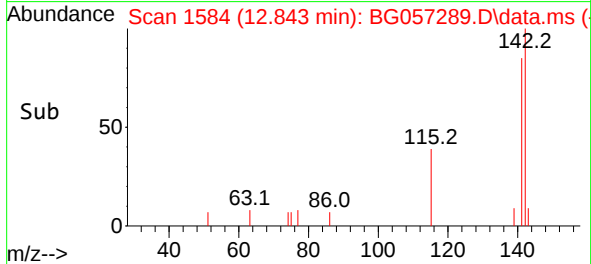
Instrument :
BNA_G
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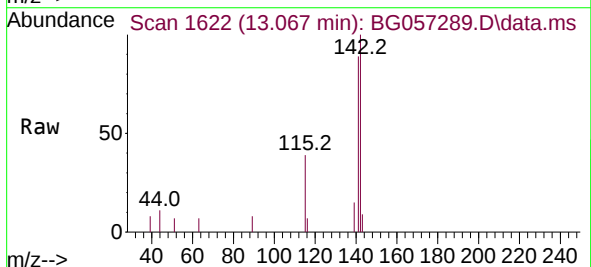
Tgt Ion:142 Resp: 469
Ion Ratio Lower Upper
142 100
141 85.1 68.7 103.1

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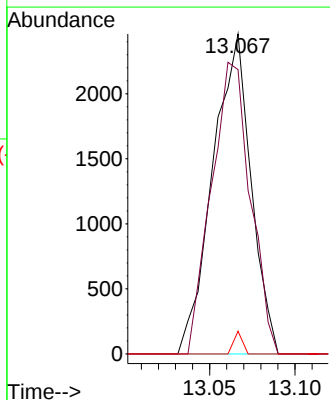
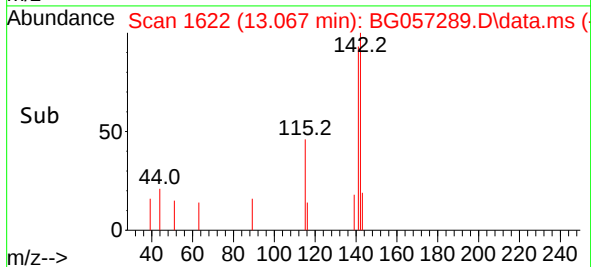
Reviewed By :Christian Giraldo 05/04/2023
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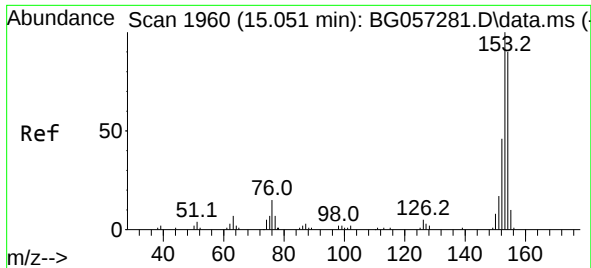


#37
1-Methylnaphthalene
Concen: 1.641 ng/ul
RT: 13.067 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35



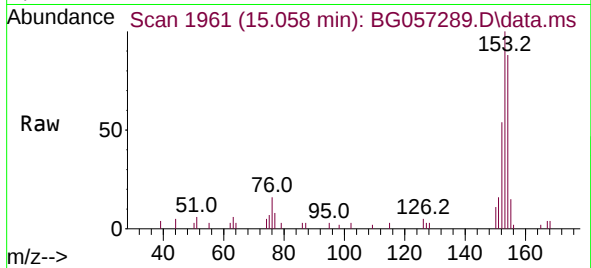
Tgt Ion:142 Resp: 3833
Ion Ratio Lower Upper
142 100
141 88.9 72.9 109.3
116 7.1 3.2 4.8#





#52
Acenaphthene
Concen: 3.988 ng/uI
RT: 15.058 min Scan# 1961
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

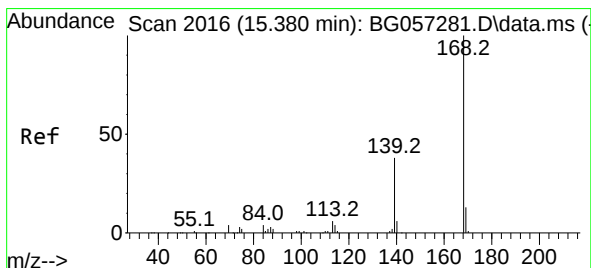
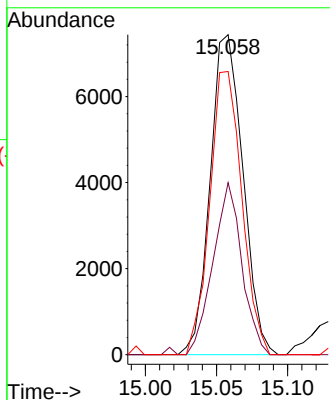
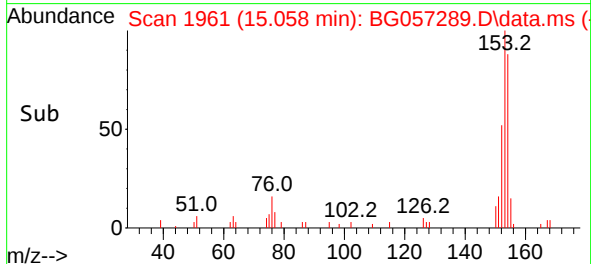
Instrument :
BNA_G
ClientSampleId :
EW919



Tgt Ion:153 Resp: 1191
Ion Ratio Lower Upper
153 100
152 53.7 36.5 54.7
154 88.5 70.6 106.0

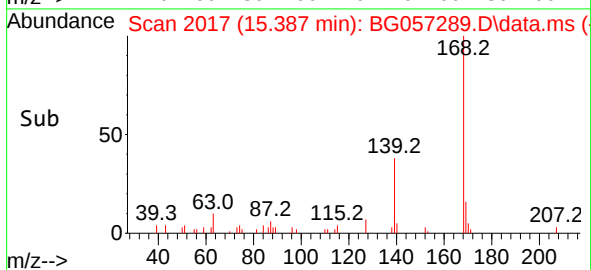
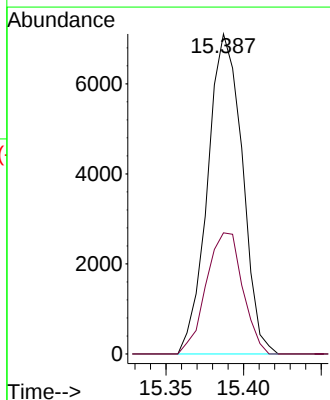
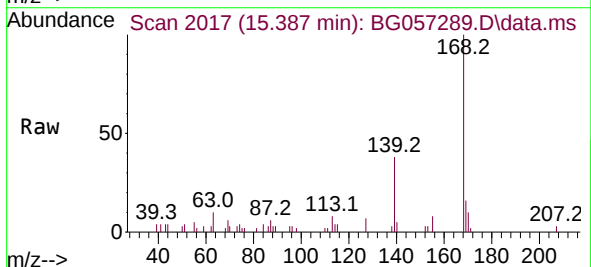
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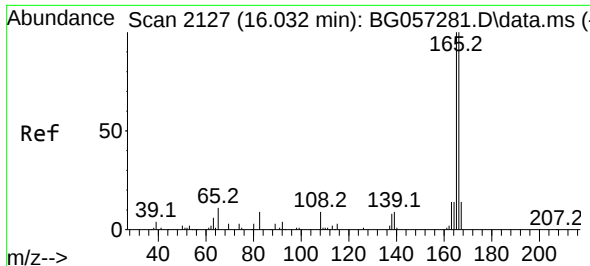
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#56
Dibenzofuran
Concen: 2.558 ng/uI
RT: 15.387 min Scan# 2017
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

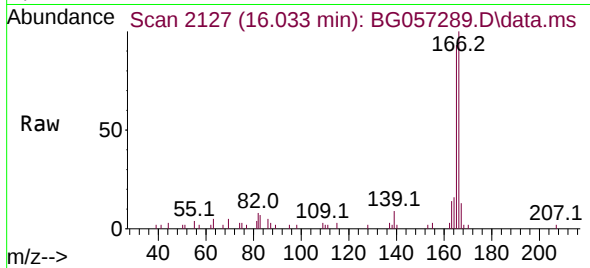
Tgt Ion:168 Resp: 11032
Ion Ratio Lower Upper
168 100
139 37.8 29.6 44.4





#61
Fluorene
Concen: 3.908 ng/uI
RT: 16.033 min Scan# 2127
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

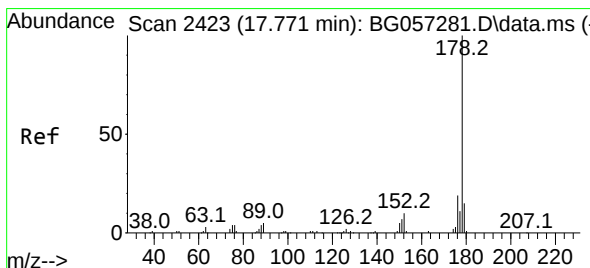
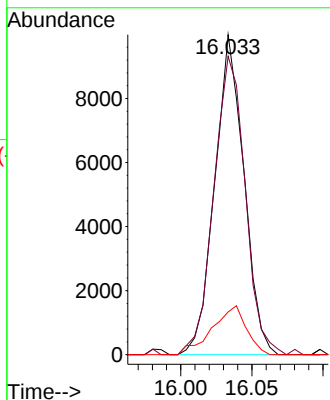
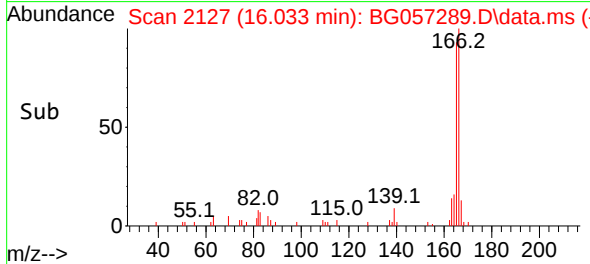
Instrument :
BNA_G
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Tgt Ion:166 Resp: 1425
Ion Ratio Lower Upper
166 100
165 93.2 80.1 120.1
167 13.4 10.2 15.4

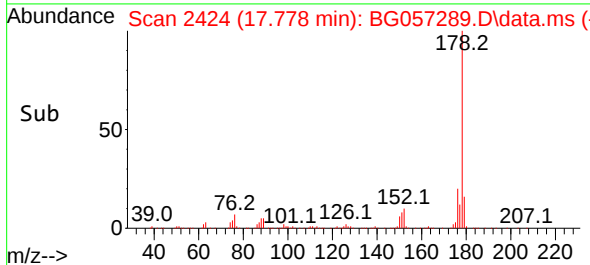
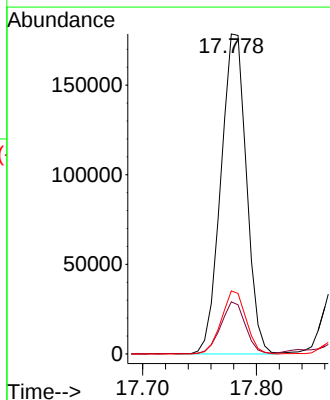
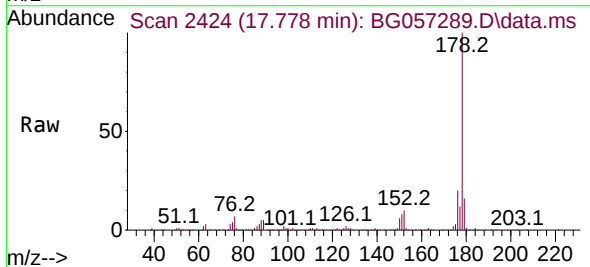
Manual Integrations
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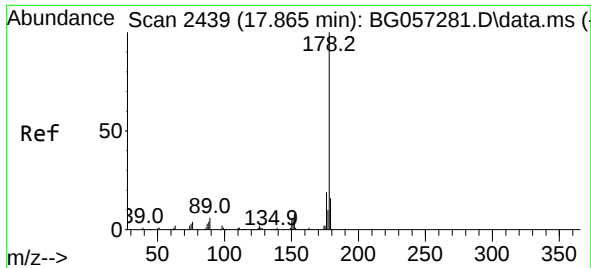
Reviewed By :Christian Giraldo 05/04/2023
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#72
Phenanthrene
Concen: 50.011 ng/uI
RT: 17.778 min Scan# 2424
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

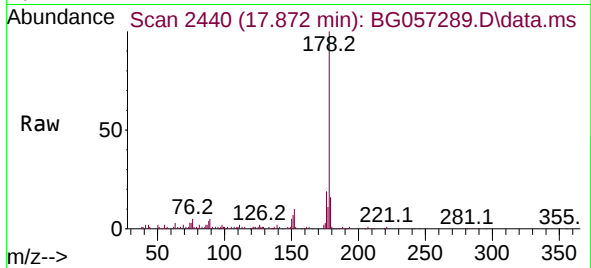
Tgt Ion:178 Resp: 279135
Ion Ratio Lower Upper
178 100
179 16.3 11.8 17.8
176 19.7 15.4 23.0





#74
 Anthracene
 Concen: 11.375 ng/ul
 RT: 17.872 min Scan# 2439
 Delta R.T. 0.004 min
 Lab File: BG057289.D
 Acq: 3 May 2023 16:35

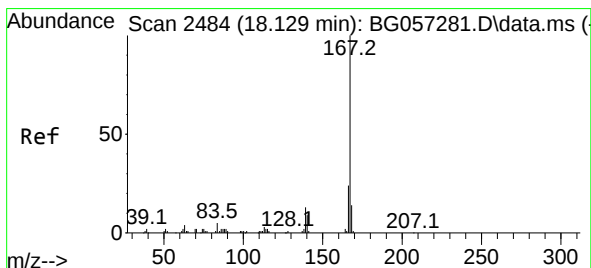
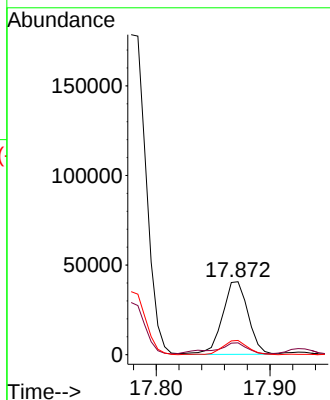
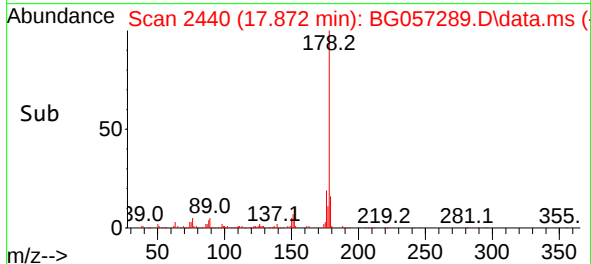
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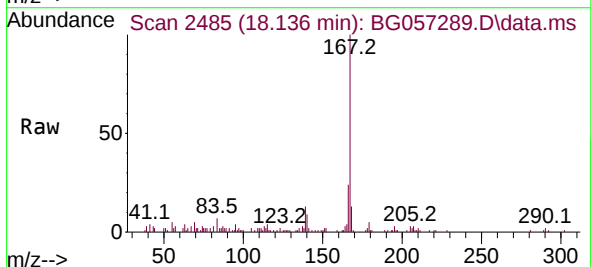
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 Ion Ratio Lower Upper
 178 100
 179 16.2 12.5 18.7
 176 19.5 14.7 22.1

Manual Integrations
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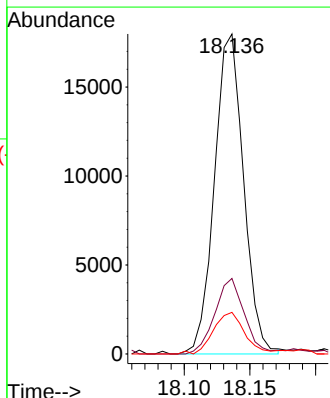
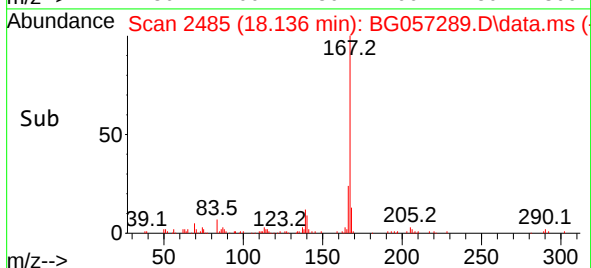
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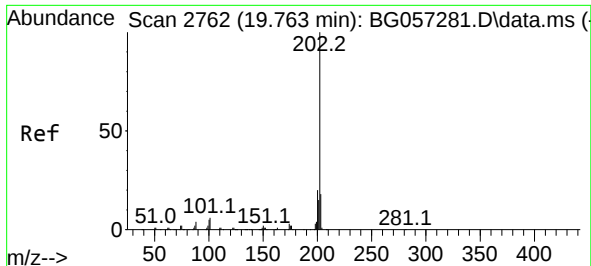


#77
 Carbazole
 Concen: 5.916 ng/ul
 RT: 18.136 min Scan# 2485
 Delta R.T. 0.004 min
 Lab File: BG057289.D
 Acq: 3 May 2023 16:35



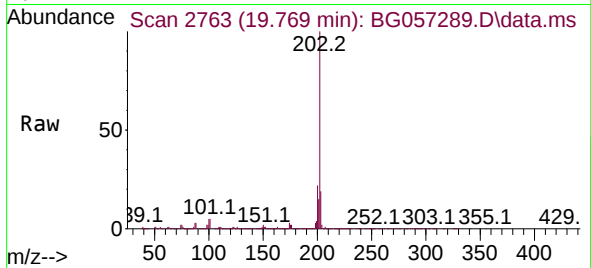
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 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 13.0 10.3 15.5





#80
Fluoranthene
Concen: 83.920 ng/ul
RT: 19.769 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

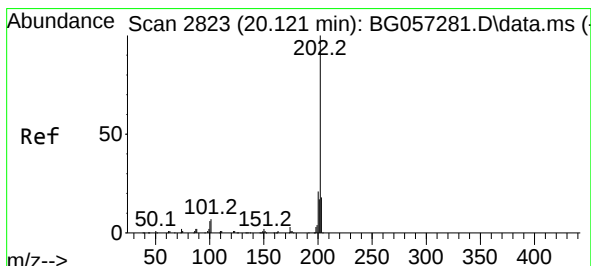
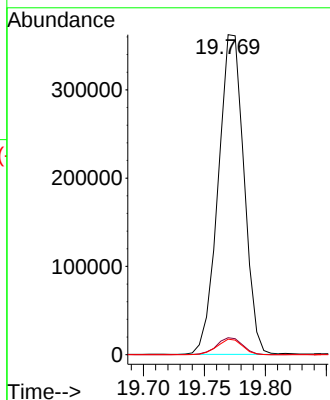
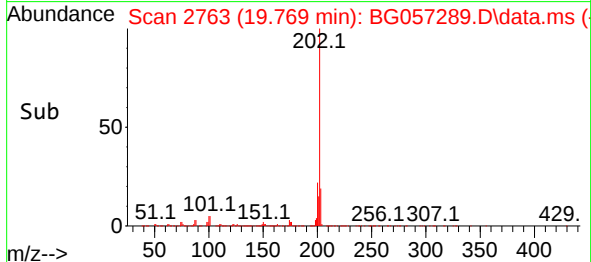
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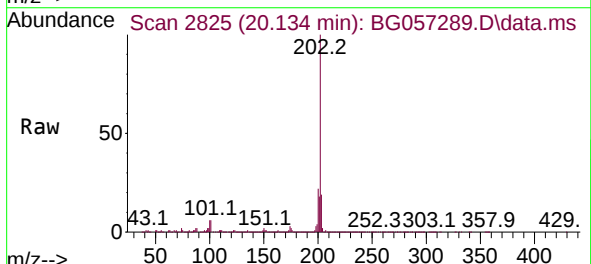
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Ion Ratio Lower Upper
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100 4.9 4.6 7.0

Manual Integrations
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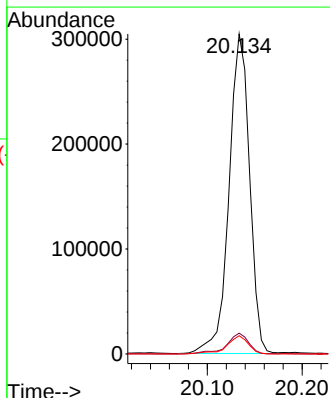
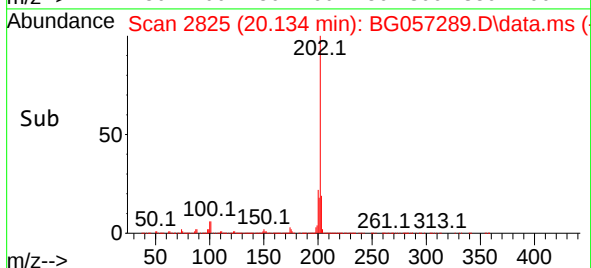
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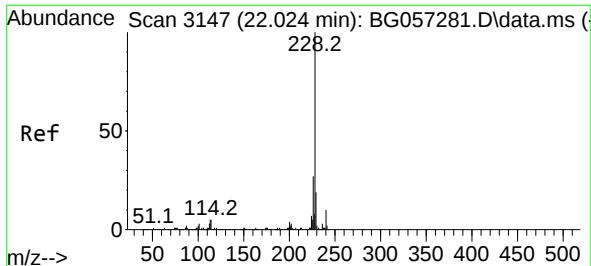


#82
Pyrene
Concen: 71.269 ng/ul
RT: 20.134 min Scan# 2825
Delta R.T. 0.009 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35



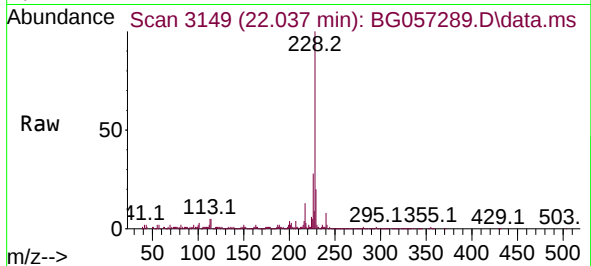
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101 6.5 5.7 8.5
100 5.7 6.0 9.0#





#85
Benzo(a)anthracene
Concen: 39.017 ng/ul
RT: 22.037 min Scan# 3149
Delta R.T. 0.009 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

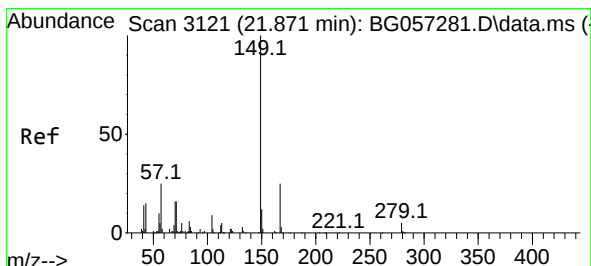
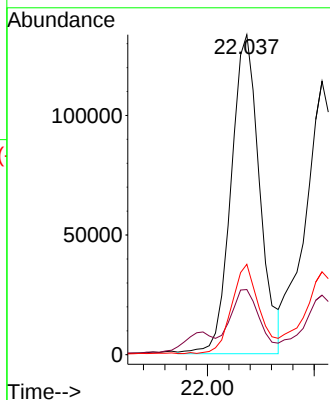
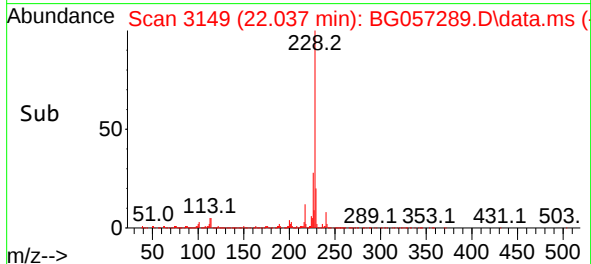
Instrument :
BNA_G
ClientSampleId :
EW919



Tgt Ion:228 Resp: 24848
Ion Ratio Lower Upper
228 100
229 20.3 15.8 23.6
226 28.3 21.7 32.5

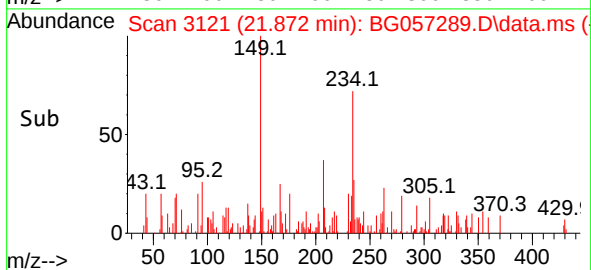
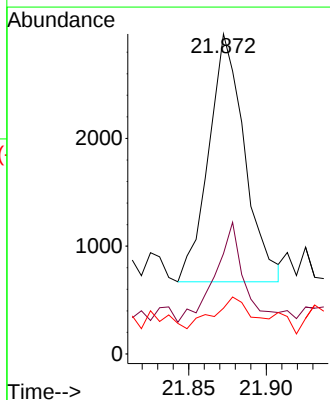
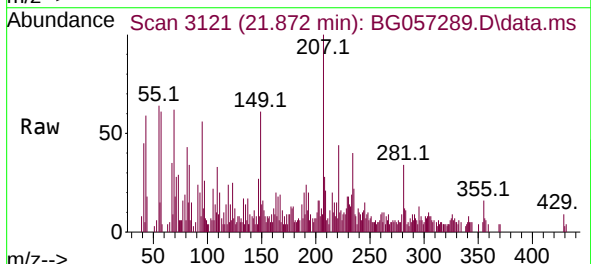
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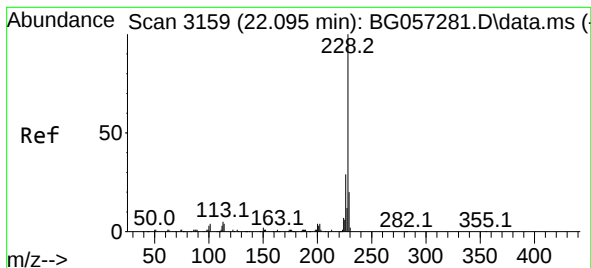
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.234 ng/ul
RT: 21.872 min Scan# 3121
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:149 Resp: 3695
Ion Ratio Lower Upper
149 100
167 31.4 23.0 34.6
279 14.3 3.6 5.4#





#87

Chrysene

Concen: 37.700 ng/ul

RT: 22.107 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

Tgt Ion:228 Resp: 22652

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

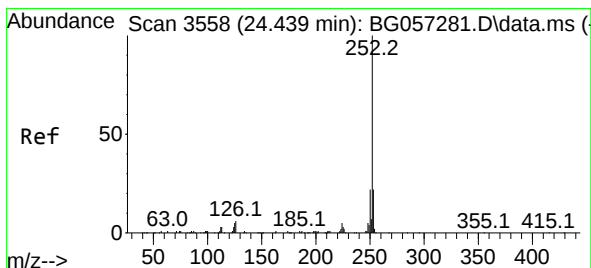
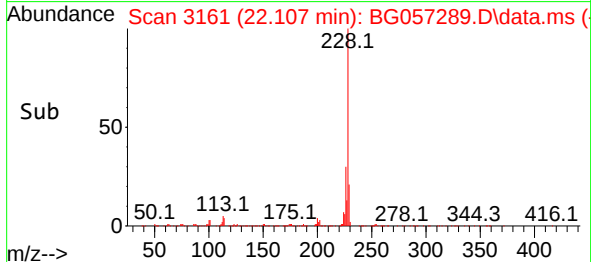
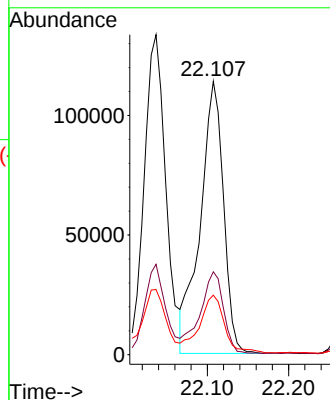
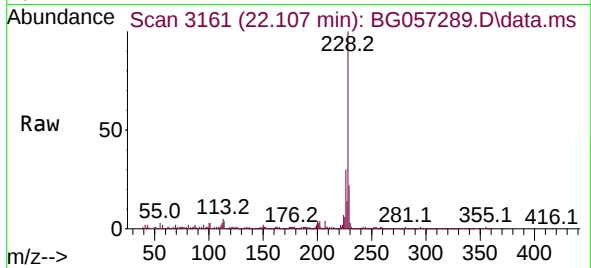
229 21.8 15.5 23.3

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#90

Benzo(b)fluoranthene

Concen: 49.153 ng/ul

RT: 24.463 min Scan# 3562

Delta R.T. 0.027 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

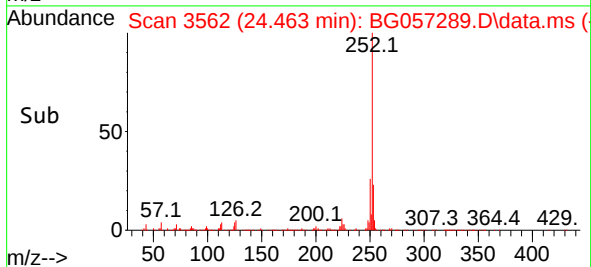
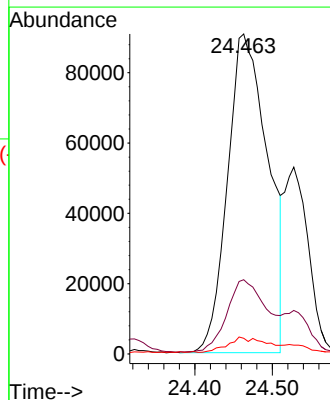
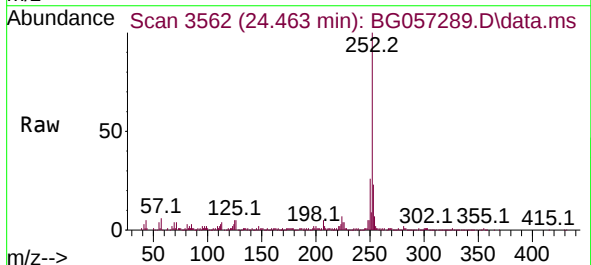
Tgt Ion:252 Resp: 327644

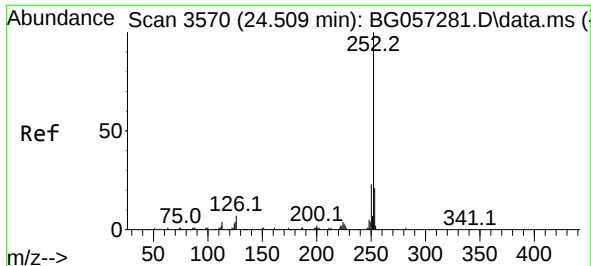
Ion Ratio Lower Upper

252 100

253 23.2 16.7 25.1

125 4.9 4.8 7.2





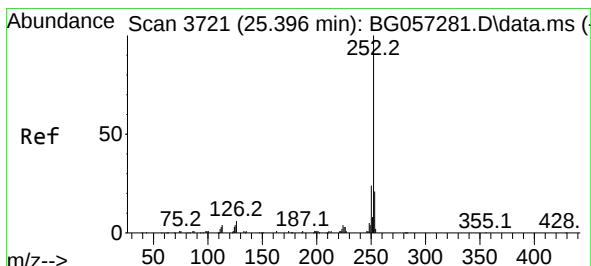
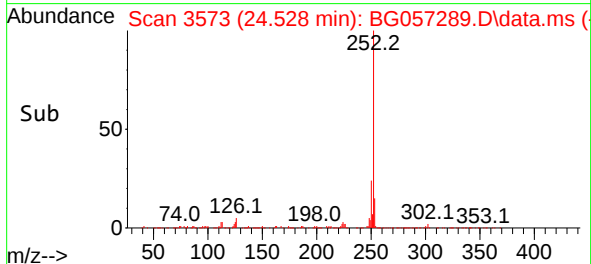
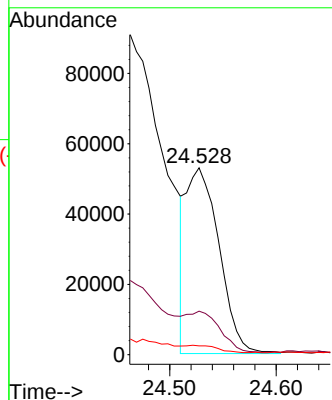
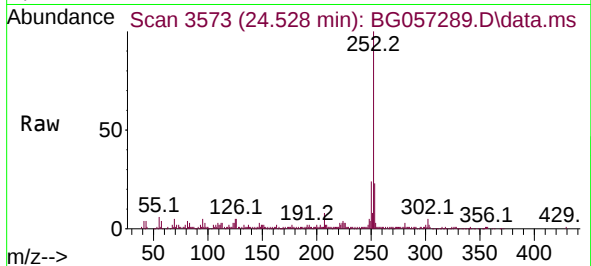
#91
Benzo(k)fluoranthene
Concen: 17.438 ng/ul m
RT: 24.528 min Scan# 31
Delta R.T. 0.015 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Instrument :
BNA_G
ClientSampleId :
EW919

Tgt Ion:252 Resp: 113089
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 4.7 4.5 6.7

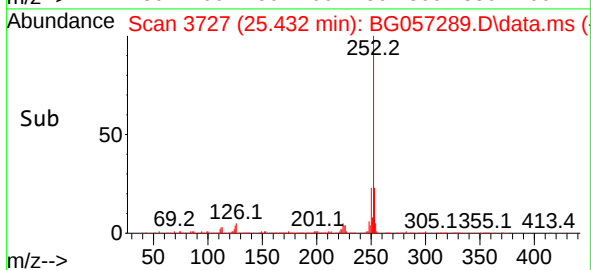
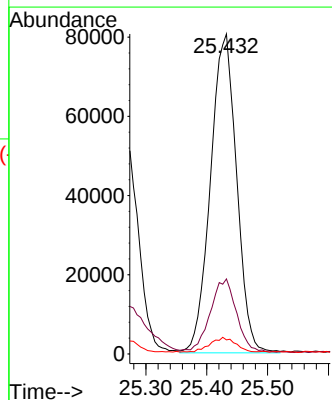
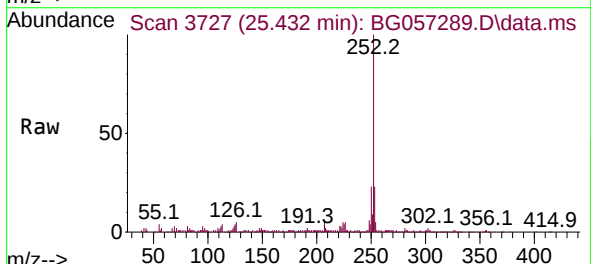
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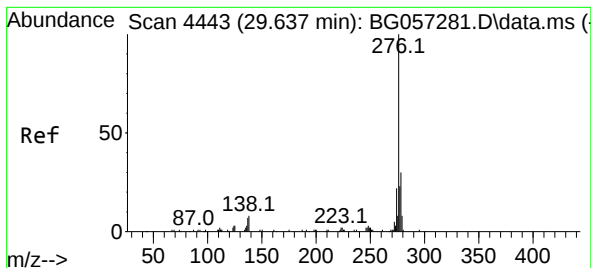
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#93
Benzo(a)pyrene
Concen: 41.823 ng/ul m
RT: 25.432 min Scan# 3727
Delta R.T. 0.033 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:252 Resp: 240684
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 4.4 5.1 7.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.795 ng/ul

RT: 29.685 min Scan# 4451

Delta R.T. 0.062 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

Tgt Ion:276 Resp: 15678

Ion Ratio Lower Upper

276 100

138 9.9 9.4 14.2

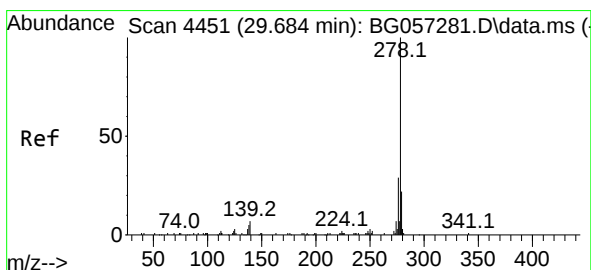
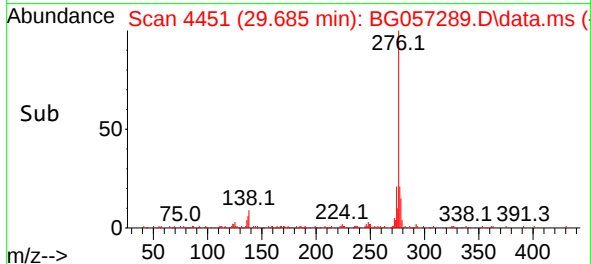
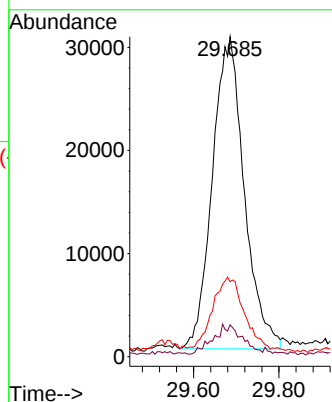
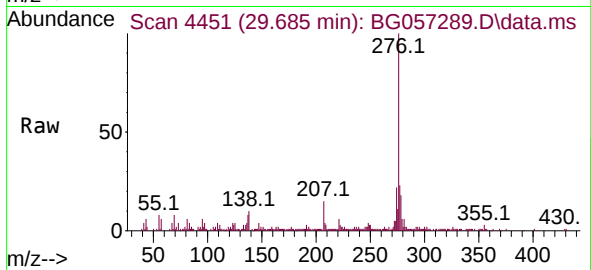
277 23.4 18.6 28.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#95

Dibenzo(a,h)anthracene

Concen: 7.944 ng/ul m

RT: 29.709 min Scan# 4455

Delta R.T. 0.015 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

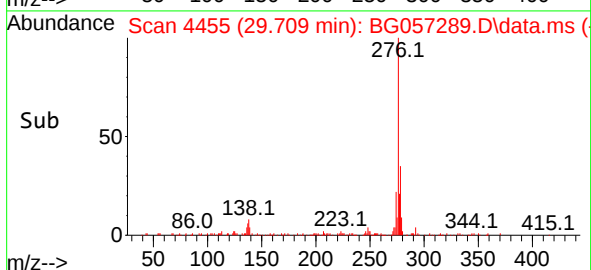
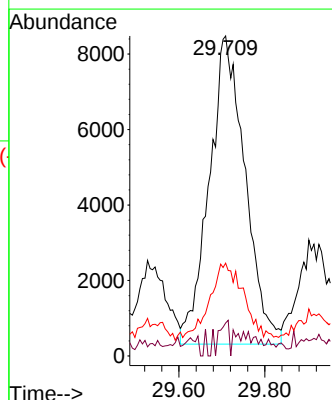
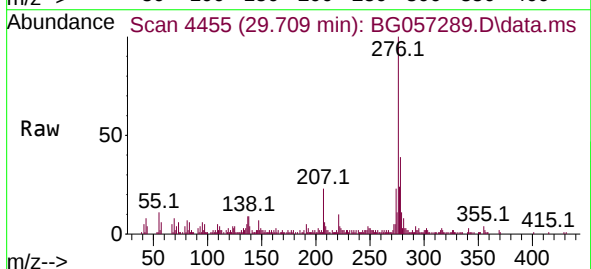
Tgt Ion:278 Resp: 47384

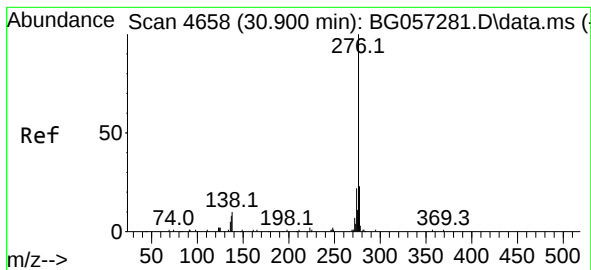
Ion Ratio Lower Upper

278 100

139 10.3 5.8 8.6#

279 29.0 18.3 27.5#





#96

Benzo(g,h,i)perylene

Concen: 23.803 ng/ul

RT: 30.966 min Scan# 4669

Delta R.T. 0.056 min

Lab File: BG057289.D

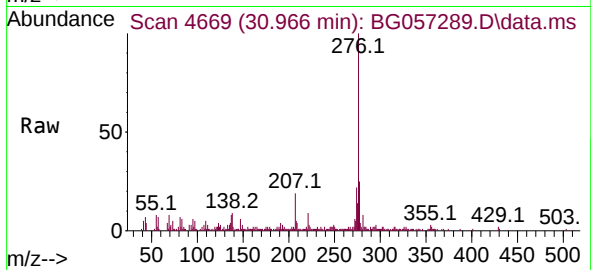
Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919



Tgt Ion:276 Resp: 13858

Ion Ratio Lower Upper

276 100

138 9.4 8.7 13.1

277 24.7 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023

