

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG058010.D
 Acq On : 5 Jul 2023 7:34
 Operator : CG/JU
 Sample : 03248-04
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGN2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 05 08:57:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 04 05:09:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	64505	20.000	ng/u1	0.00
20) Naphthalene-d8	10.750	136	296301	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.580	164	193957	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.324	188	420830	20.000	ng/u1	0.00
79) Chrysene-d12	21.584	240	343330	20.000	ng/u1	0.01
88) Perylene-d12	24.763	264	418910	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	5272	2.862	ng/uL	0.00
4) Pyridine-d5	3.787	84	74794	13.374	ng/u1	0.00
7) Phenol-d5	7.113	99	127551	19.362	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.265	67	76187	19.191	ng/u1	0.00
11) 2-Chlorophenol-d4	7.477	132	94791	20.863	ng/u1	0.00
15) 4-Methylphenol-d8	8.652	113	92362	18.581	ng/u1	0.00
21) Nitrobenzene-d5	9.104	128	49156	20.355	ng/u1	0.00
24) 2-Nitrophenol-d4	9.827	143	53939	21.252	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.374	165	98956	20.324	ng/u1	0.01
31) 4-Chloroaniline-d4	10.885	131	44073	5.970	ng/u1	0.00
46) Dimethylphthalate-d6	13.981	166	313355	20.476	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	354753	21.243	ng/u1	0.00
54) 4-Nitrophenol-d4	14.786	143	48759	18.034	ng/u1	0.01
60) Fluorene-d10	15.573	176	274358	21.110	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.691	200	34104	14.924	ng/u1	0.01
73) Anthracene-d10	17.424	188	386138	19.774	ng/u1	0.01
81) Pyrene-d10	19.710	212	474391	21.939	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.545	264	480462	22.512	ng/u1	0.03
Target Compounds					Qvalue	
30) Naphthalene	10.802	128	52282	3.140	ng/u1	96
36) 2-Methylnaphthalene	12.406	142	11334	1.010	ng/u1	91
50) Acenaphthylene	14.304	152	20765m	1.151	ng/u1	
72) Phenanthrene	17.365	178	127677	5.964	ng/u1	100
74) Anthracene	17.459	178	24154m	1.115	ng/u1	
80) Fluoranthene	19.375	202	363053	14.490	ng/u1	100
82) Pyrene	19.739	202	286917	11.376	ng/u1	98
85) Benzo(a)anthracene	21.560	228	229963	9.329	ng/u1	97
87) Chrysene	21.625	228	223615	9.676	ng/u1	97
90) Benzo(b)fluoranthene	23.752	252	379040	14.613	ng/u1	99
91) Benzo(k)fluoranthene	23.817	252	139058m	5.470	ng/u1	
93) Benzo(a)pyrene	24.616	252	225978	9.843	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.394	276	174107m	5.711	ng/u1	
95) Dibenzo(a,h)anthracene	28.435	278	45250m	1.800	ng/u1	
96) Benzo(g,h,i)perylene	29.516	276	128754m	5.171	ng/u1	

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

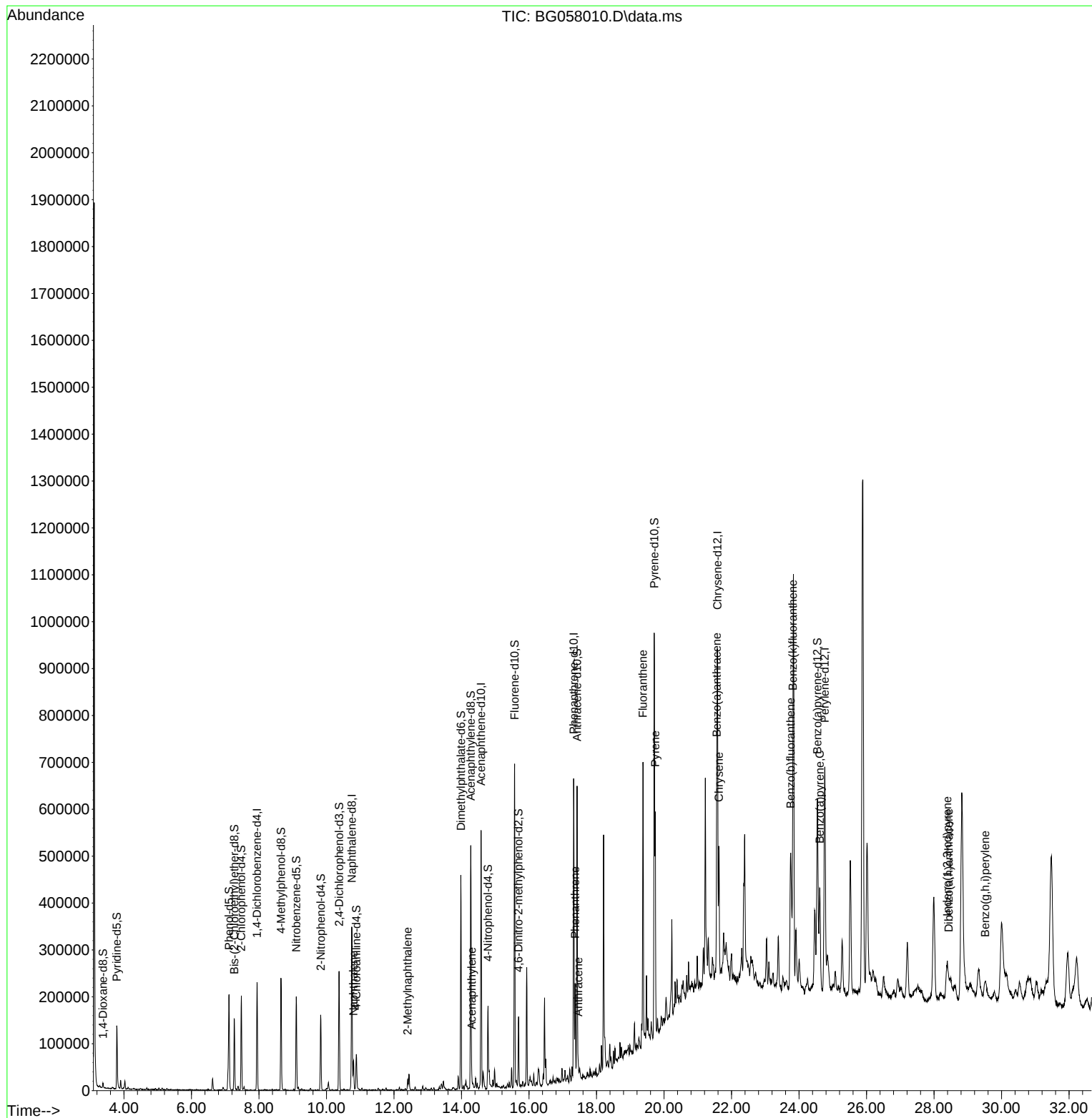
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
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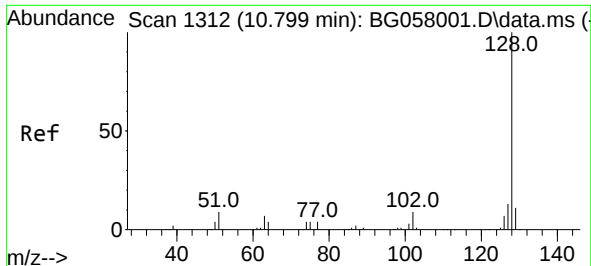
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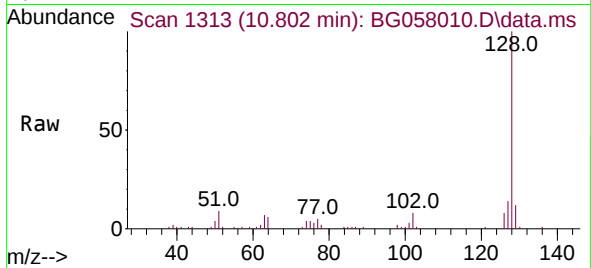
Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Sohil Jodhani 07/05/2023





#30
Naphthalene
Concen: 3.140 ng/ul
RT: 10.802 min Scan# 1312
Delta R.T. 0.012 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34

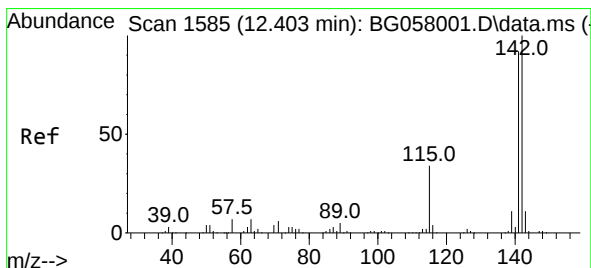
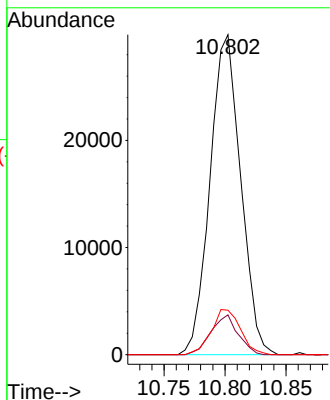
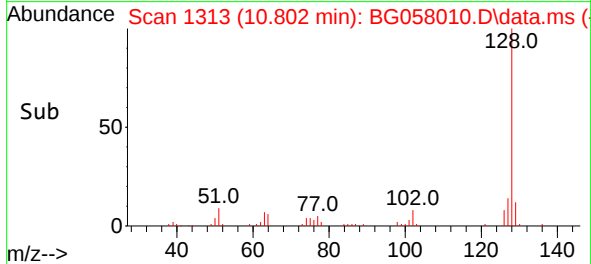
Instrument :
BNA_G
ClientSampleId :
DCGN2



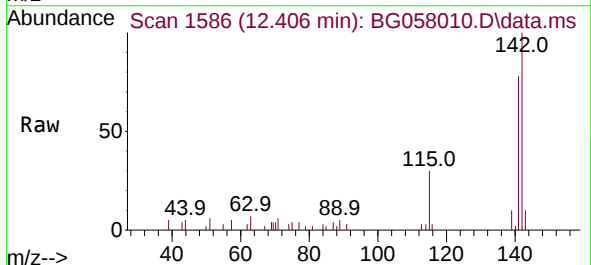
Tgt Ion:128 Resp: 5228
Ion Ratio Lower Upper
128 100
129 12.5 8.6 12.8
127 13.9 10.2 15.2

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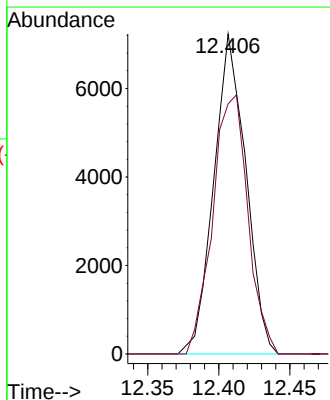
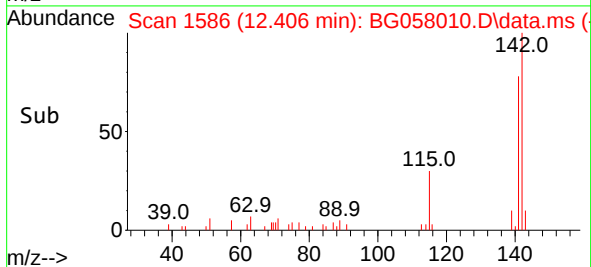
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023

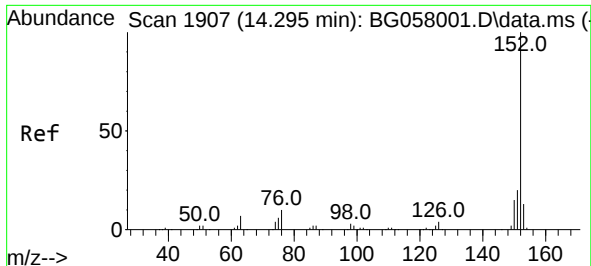


#36
2-Methylnaphthalene
Concen: 1.010 ng/ul
RT: 12.406 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34



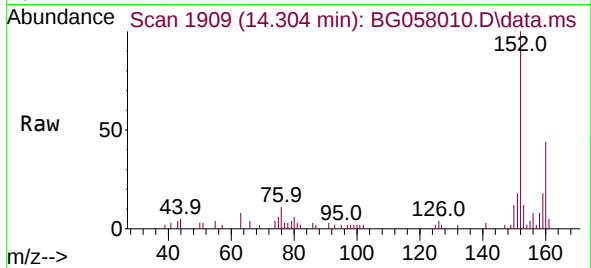
Tgt Ion:142 Resp: 11334
Ion Ratio Lower Upper
142 100
141 78.1 69.4 104.2





#50
Acenaphthylene
Concen: 1.151 ng/ul m
RT: 14.304 min Scan# 1907
Delta R.T. 0.006 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34

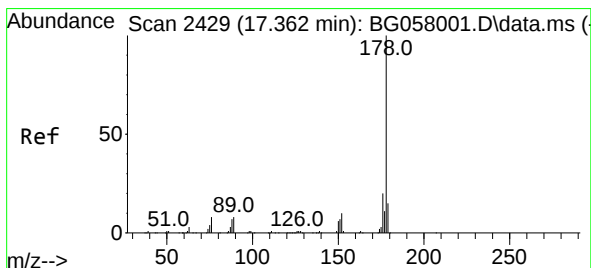
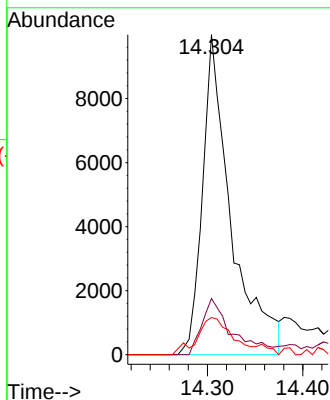
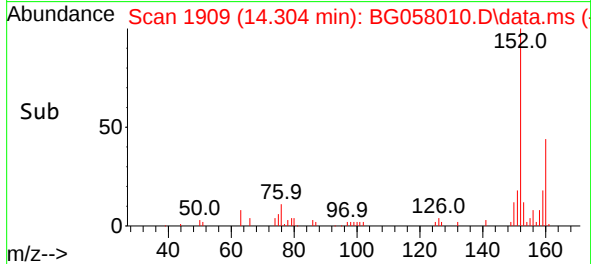
Instrument :
BNA_G
ClientSampleId :
DCGN2



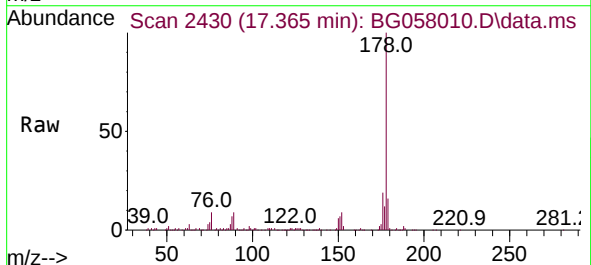
Tgt Ion:152 Resp: 2076
Ion Ratio Lower Upper
152 100
151 17.5 15.6 23.4
153 11.6 10.5 15.7

Manual Integrations
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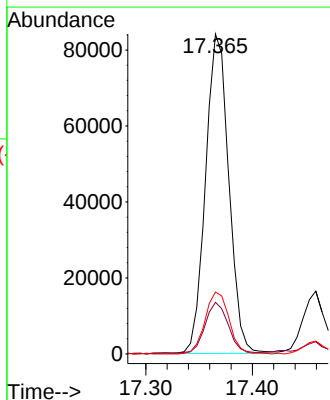
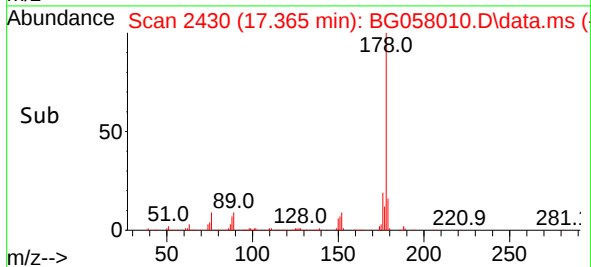
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023

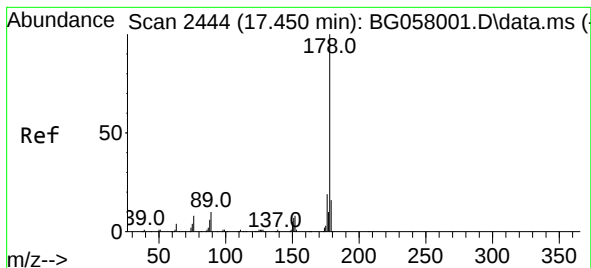


#72
Phenanthrene
Concen: 5.964 ng/ul
RT: 17.365 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34



Tgt Ion:178 Resp: 127677
Ion Ratio Lower Upper
178 100
179 16.1 12.8 19.2
176 19.3 15.7 23.5





#74

Anthracene

Concen: 1.115 ng/ul m

RT: 17.459 min Scan# 2444

Delta R.T. 0.012 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

Instrument :

BNA_G

ClientSampleId :

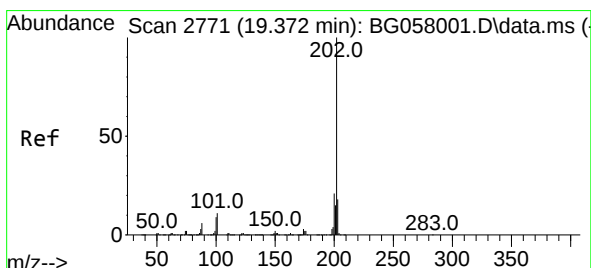
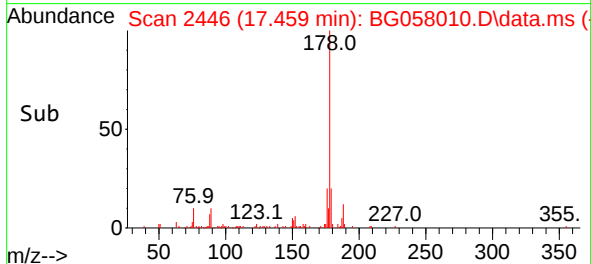
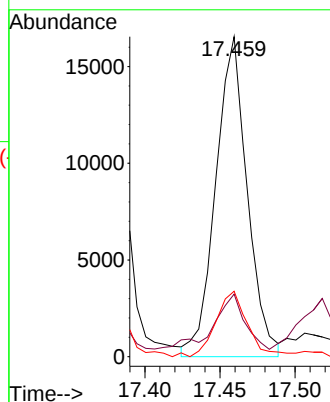
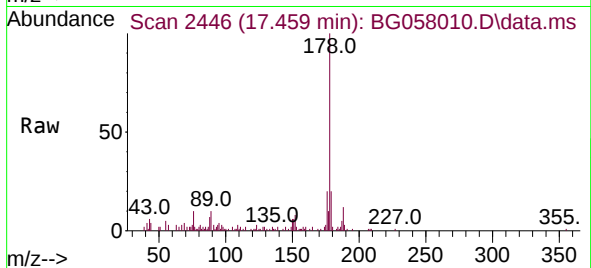
DCGN2

Tgt Ion:178 Resp: 24154
 Ion Ratio Lower Upper
 178 100
 179 19.6 12.6 18.8
 176 20.5 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Sohil Jodhani 07/05/2023



#80

Fluoranthene

Concen: 14.490 ng/ul

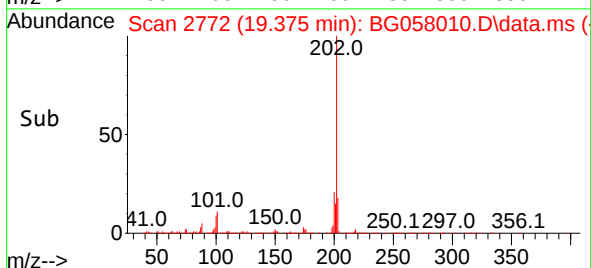
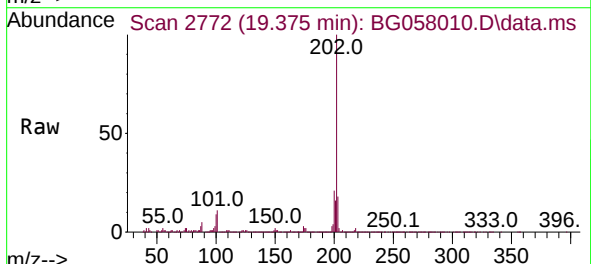
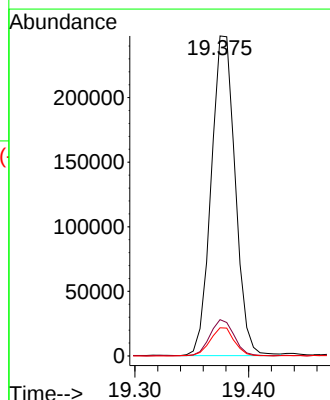
RT: 19.375 min Scan# 2772

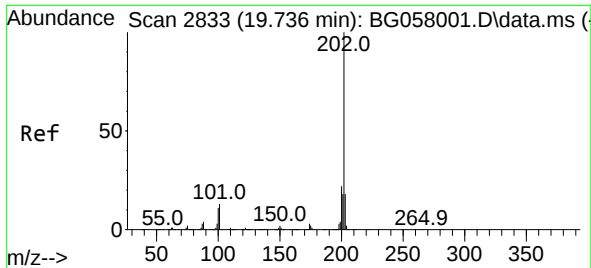
Delta R.T. 0.006 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

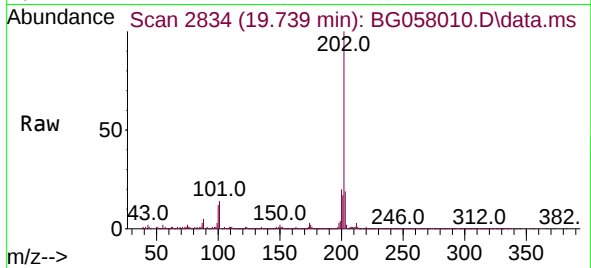
Tgt Ion:202 Resp: 363053
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.1 13.7
 100 8.8 7.1 10.7





#82
Pyrene
Concen: 11.376 ng/ul
RT: 19.739 min Scan# 2834
Delta R.T. 0.006 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34

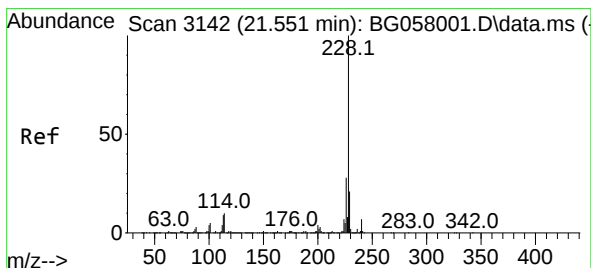
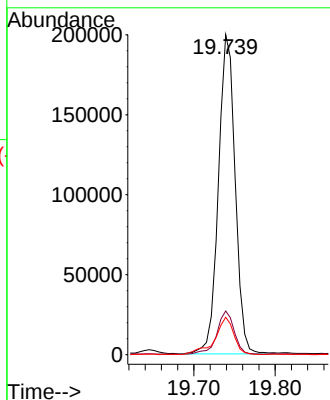
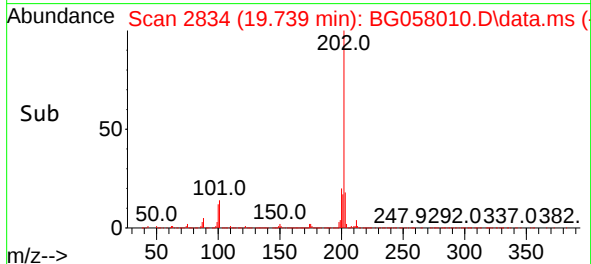
Instrument :
BNA_G
ClientSampleId :
DCGN2



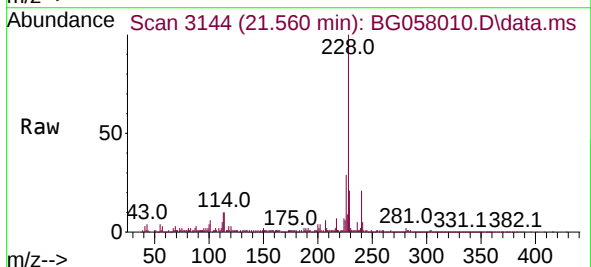
Tgt Ion:202 Resp: 286917
Ion Ratio Lower Upper
202 100
101 13.6 10.2 15.2
100 11.7 8.9 13.3

Manual Integrations
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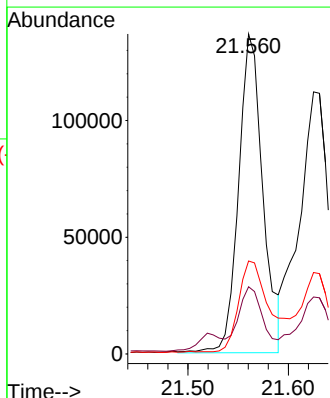
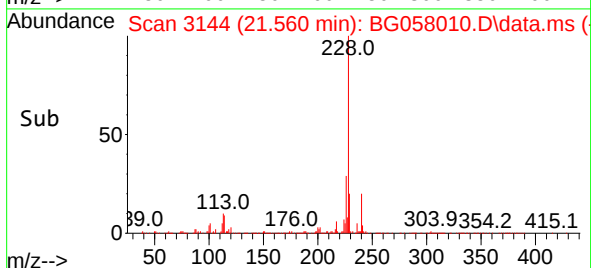
Reviewed By :Yogesh Patel 07/05/2023
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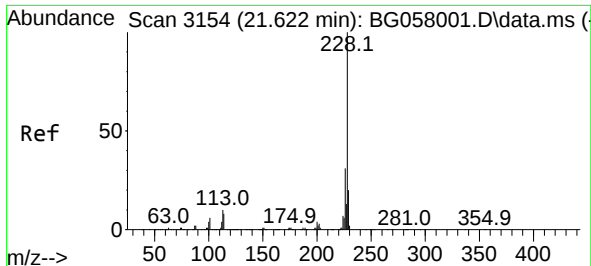


#85
Benzo(a)anthracene
Concen: 9.329 ng/ul
RT: 21.560 min Scan# 3144
Delta R.T. 0.012 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34



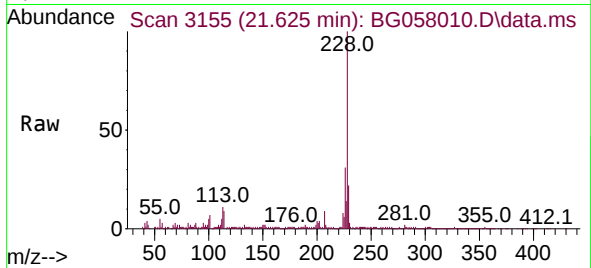
Tgt Ion:228 Resp: 229963
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 29.1 22.0 33.0





#87
Chrysene
Concen: 9.676 ng/ul
RT: 21.625 min Scan# 3154
Delta R.T. 0.012 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34

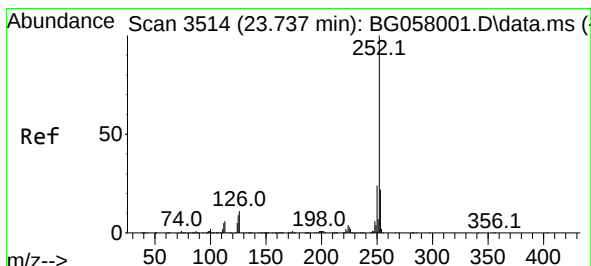
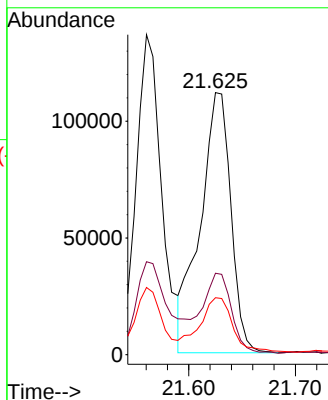
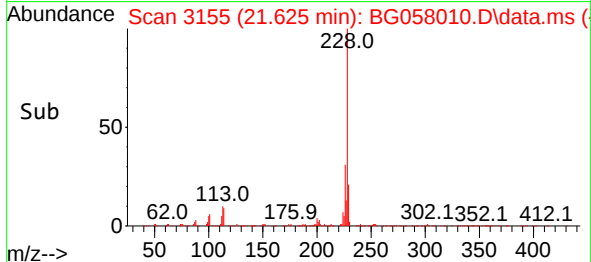
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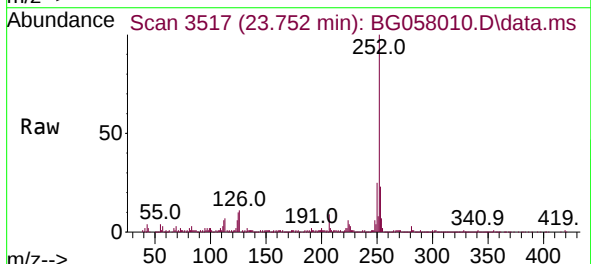
Tgt Ion:228 Resp: 223615
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 21.7 15.5 23.3

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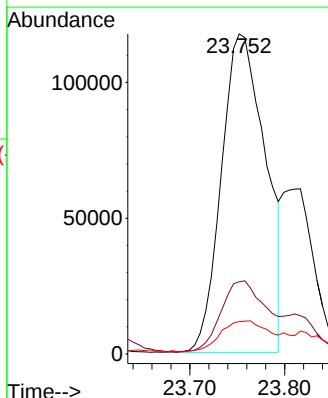
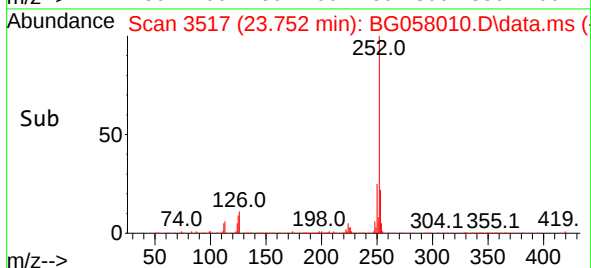
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023

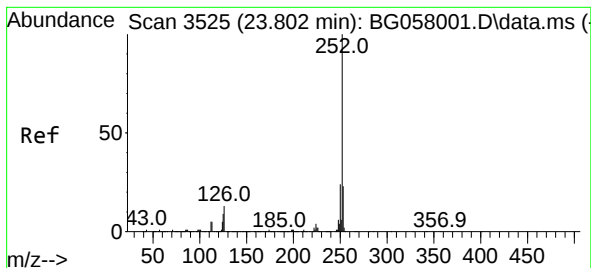


#90
Benzo(b)fluoranthene
Concen: 14.613 ng/ul
RT: 23.752 min Scan# 3517
Delta R.T. 0.024 min
Lab File: BG058010.D
Acq: 5 Jul 2023 7:34



Tgt Ion:252 Resp: 379040
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.1 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 5.470 ng/ul m

RT: 23.817 min Scan# 3525

Delta R.T. 0.024 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

Instrument :

BNA_G

ClientSampleId :

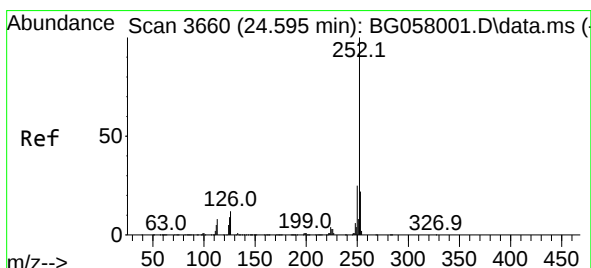
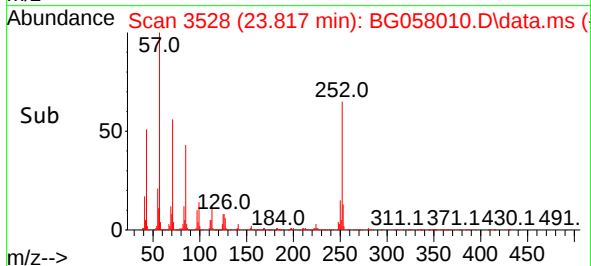
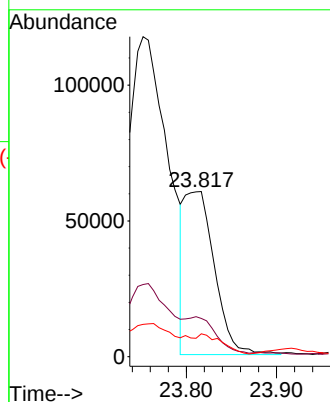
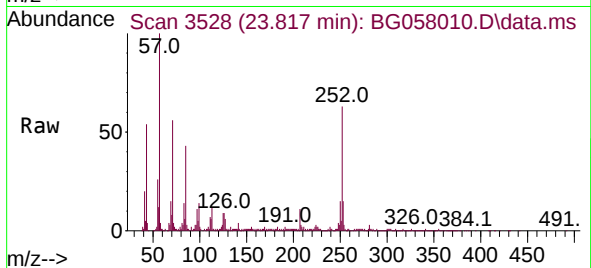
DCGN2

Tgt Ion:252 Resp: 139058
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.7 26.5
 125 13.9 7.4 11.2

Manual Integrations

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 Supervised By :Sohil Jodhani 07/05/2023



#93

Benzo(a)pyrene

Concen: 9.843 ng/ul

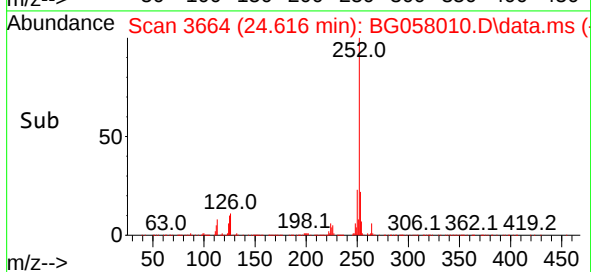
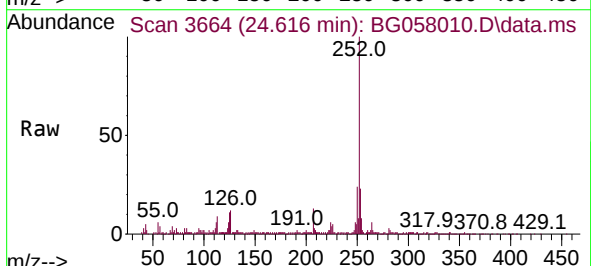
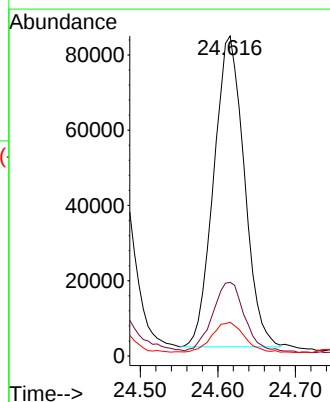
RT: 24.616 min Scan# 3664

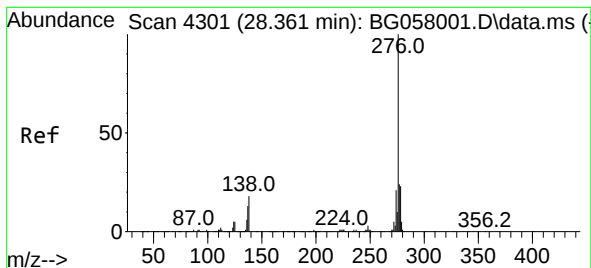
Delta R.T. 0.030 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

Tgt Ion:252 Resp: 225978
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 10.6 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.711 ng/ul m

RT: 28.394 min Scan# 4314

Delta R.T. 0.059 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

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ClientSampleId :

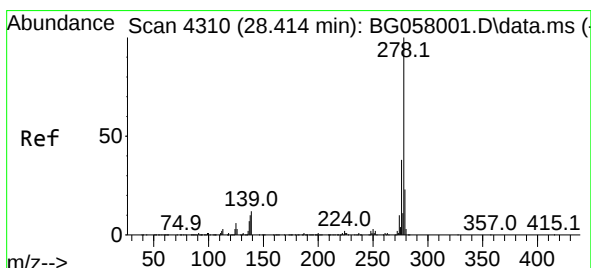
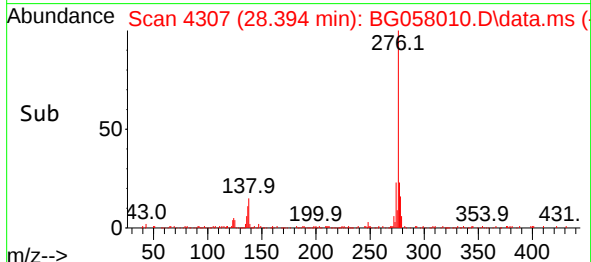
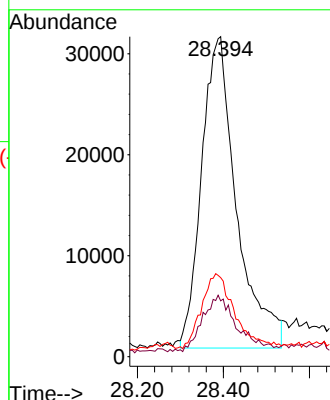
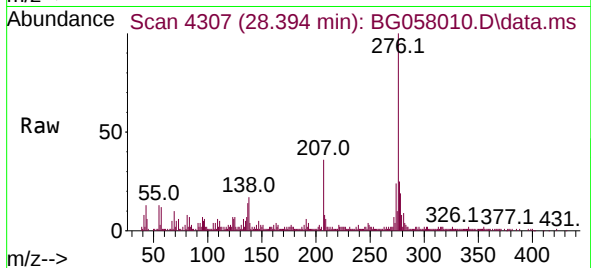
DCGN2

Tgt Ion:	276	Resp:	17410
Ion Ratio	Lower	Upper	
276	100		
138	17.5	14.0	21.0
277	24.7	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.800 ng/ul m

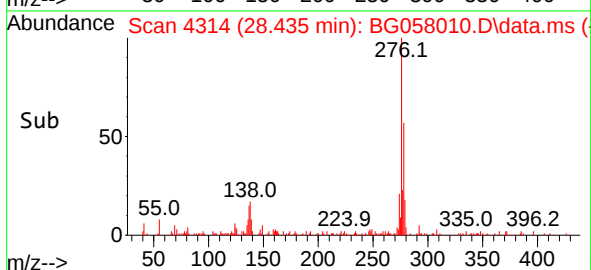
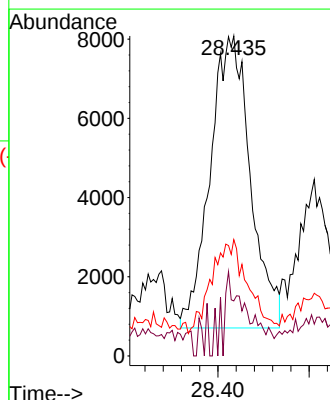
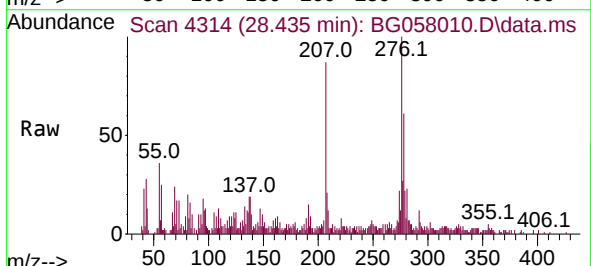
RT: 28.435 min Scan# 4314

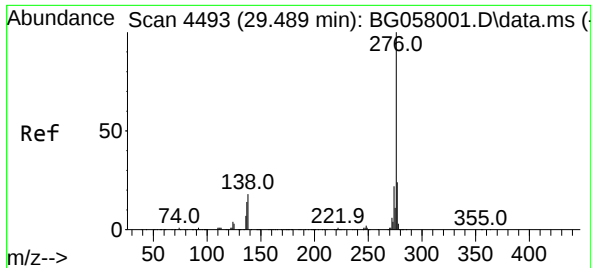
Delta R.T. 0.030 min

Lab File: BG058010.D

Acq: 5 Jul 2023 7:34

Tgt Ion:	278	Resp:	45250
Ion Ratio	Lower	Upper	
278	100		
139	17.2	11.3	16.9#
279	36.4	18.9	28.3#





#96

Benzo(g,h,i)perylene

Concen: 5.171 ng/ul m

RT: 29.516 min Scan# 44

Delta R.T. 0.047 min

Lab File: BG058010.D

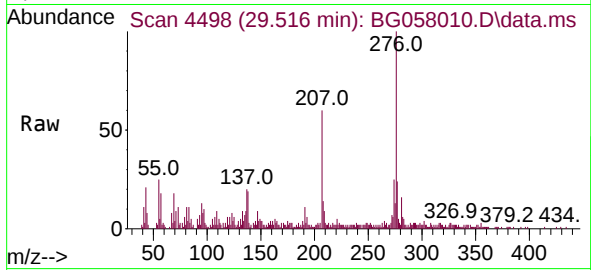
Acq: 5 Jul 2023 7:34

Instrument :

BNA_G

ClientSampleId :

DCGN2



Tgt Ion:276 Resp: 128754

Ion Ratio Lower Upper

276 100

138 18.6 14.2 21.2

277 24.4 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :Sohil Jodhani 07/05/2023

