

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058387.D
 Acq On : 21 Jul 2023 14:34
 Operator : CG/JU
 Sample : 03504-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46S2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 23:15:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.896	152	52927	20.000	ng/u1	0.00
20) Naphthalene-d8	10.698	136	219315	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.535	164	133848	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.279	188	274046	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	220395	20.000	ng/u1	0.00
88) Perylene-d12	24.670	264	273822	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.348	96	3907	2.717	ng/uL	0.00
4) Pyridine-d5	3.747	84	61803	14.480	ng/u1	0.00
7) Phenol-d5	7.061	99	60479	12.046	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.220	67	54556	17.385	ng/u1	0.00
11) 2-Chlorophenol-d4	7.431	132	61054	17.372	ng/u1	0.00
15) 4-Methylphenol-d8	8.601	113	30723	8.022	ng/u1	0.00
21) Nitrobenzene-d5	9.059	128	30526	18.569	ng/u1	0.00
24) 2-Nitrophenol-d4	9.776	143	32231	17.959	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.322	165	51852	15.072	ng/u1	0.00
31) 4-Chloroaniline-d4	10.851	131	1126	0.226	ng/u1	0.01
46) Dimethylphthalate-d6	13.936	166	179407	17.382	ng/u1	0.00
49) Acenaphthylene-d8	14.223	160	171027	15.812	ng/u1	0.00
54) 4-Nitrophenol-d4	14.740	143	16558	10.623	ng/u1	0.00
60) Fluorene-d10	15.522	176	159825	18.703	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	7700	5.515	ng/u1	0.00
73) Anthracene-d10	17.379	188	203201	17.161	ng/u1	0.00
81) Pyrene-d10	19.664	212	73534	5.649	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.447	264	34723	2.624	ng/u1	0.00
Target Compounds					Qvalue	
6) Benzaldehyde	7.038	77	4167	2.055	ng/u1	93
8) Phenol	7.091	94	8072	1.548	ng/u1	90
16) Acetophenone	8.718	105	68707	10.535	ng/u1	96
52) Acenaphthene	14.594	153	11363	1.402	ng/u1	96
61) Fluorene	15.581	166	17289	1.826	ng/u1#	87
72) Phenanthrene	17.320	178	235788	18.105	ng/u1	98
74) Anthracene	17.408	178	48199	3.687	ng/u1	99
80) Fluoranthene	19.335	202	437386	29.330	ng/u1	99
82) Pyrene	19.699	202	118961	7.873	ng/u1	98
83) Butylbenzylphthalate	20.575	149	7000	1.176	ng/u1	89
85) Benzo(a)anthracene	21.515	228	195239	13.180	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.409	149	169398	20.017	ng/u1	99
87) Chrysene	21.574	228	154082m	10.966	ng/u1	
89) Di-n-octyl phthalate	22.596	149	16601	1.139	ng/u1	100
90) Benzo(b)fluoranthene	23.671	252	182694	11.531	ng/u1#	93
91) Benzo(k)fluoranthene	23.730	252	75773m	4.795	ng/u1	
93) Benzo(a)pyrene	24.517	252	18762	1.331	ng/u1#	57
94) Indeno(1,2,3-cd)pyrene	28.242	276	28533m	1.537	ng/u1	
95) Dibenzo(a,h)anthracene	28.289	278	27053m	1.777	ng/u1	

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

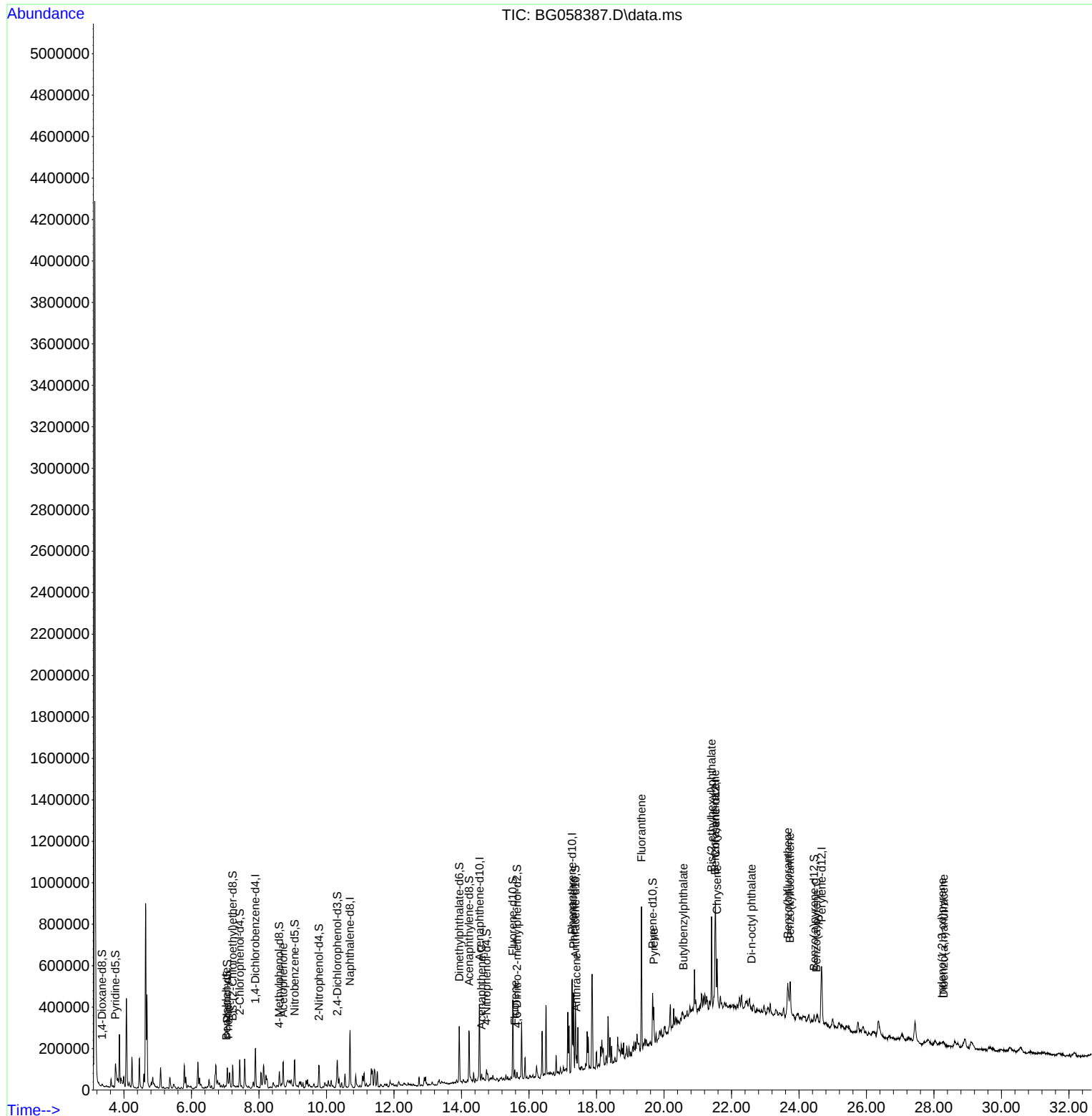
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
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ALS Vial : 7 Sample Multiplier: 1

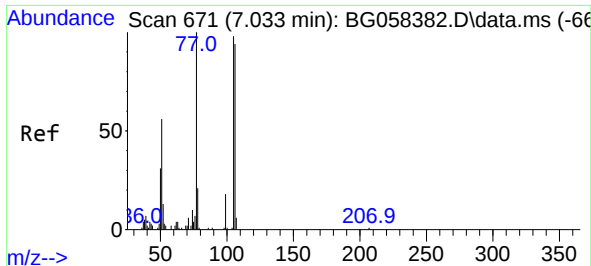
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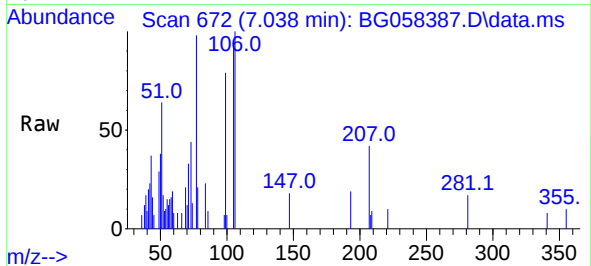
Quant Time: Jul 21 23:15:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 02:19:39 2023
Response via : Initial Calibration





#6
Benzaldehyde
Concen: 2.055 ng/uI
RT: 7.038 min Scan# 611
Delta R.T. 0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

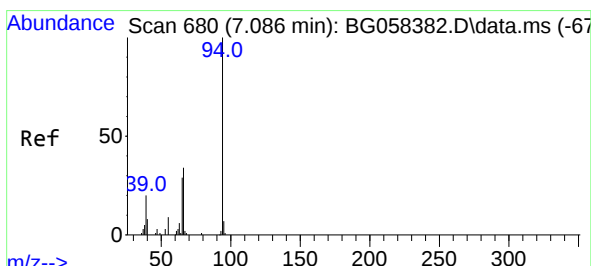
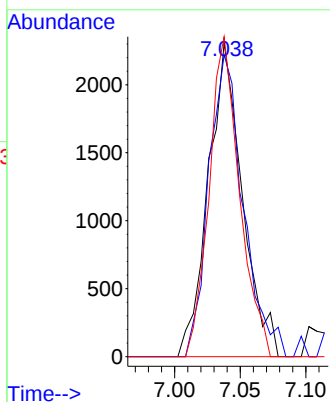
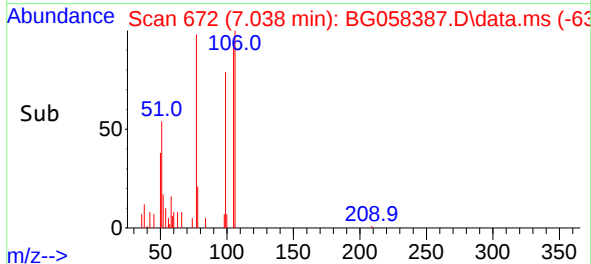
Instrument :
BNA_G
ClientSampleId :
A46S2



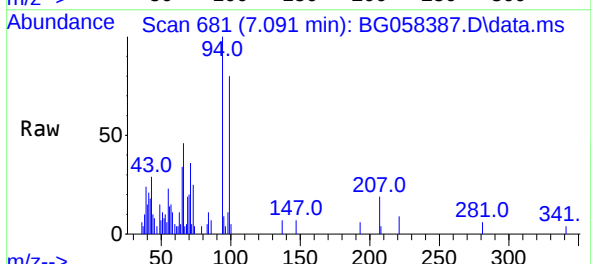
Tgt Ion: 77 Resp: 416
Ion Ratio Lower Upper
77 100
105 96.3 78.2 117.4
106 102.0 71.6 107.4

Manual Integrations
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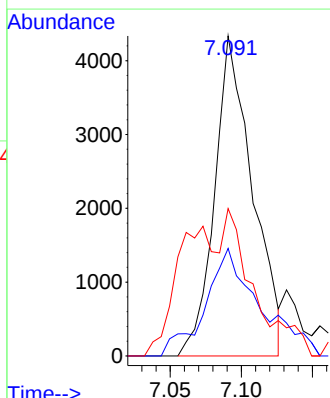
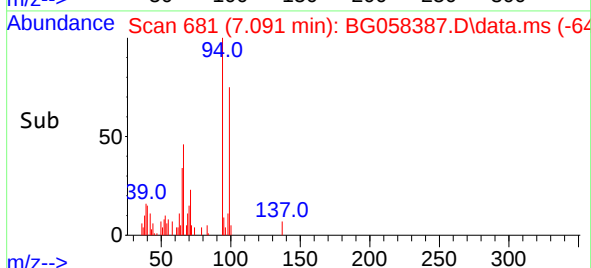
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

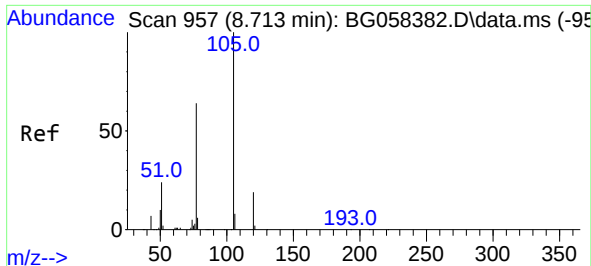


#8
Phenol
Concen: 1.548 ng/uI
RT: 7.091 min Scan# 681
Delta R.T. 0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34



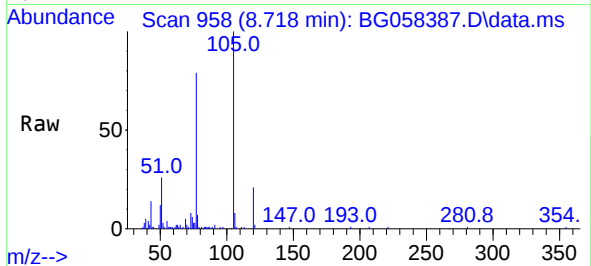
Tgt Ion: 94 Resp: 8072
Ion Ratio Lower Upper
94 100
65 33.6 23.8 35.8
66 46.0 31.2 46.8





#16
Acetophenone
Concen: 10.535 ng/ul
RT: 8.718 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

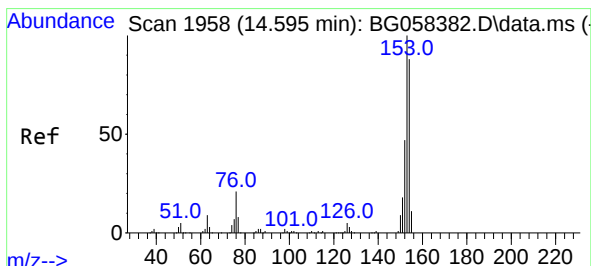
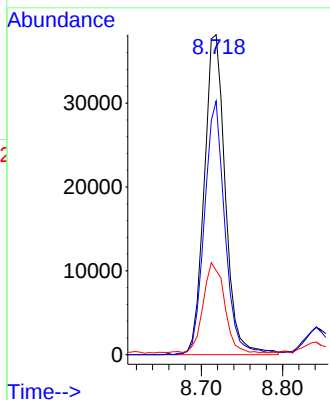
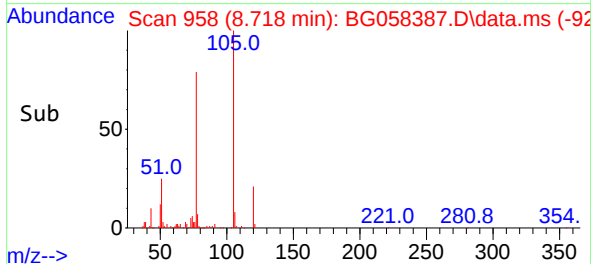
Instrument :
BNA_G
ClientSampleId :
A46S2



Tgt Ion:105 Resp: 6870
Ion Ratio Lower Upper
105 100
77 79.2 60.7 91.1
51 26.3 23.5 35.3

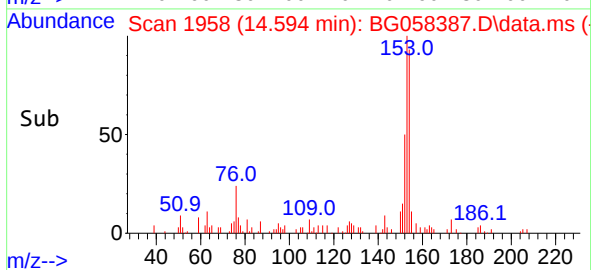
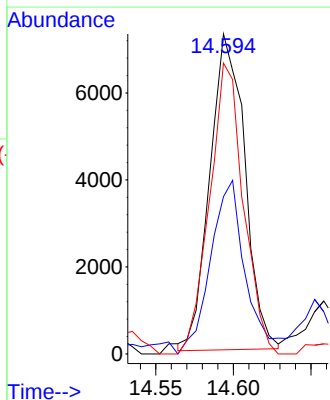
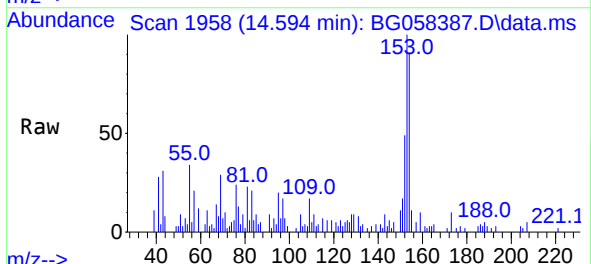
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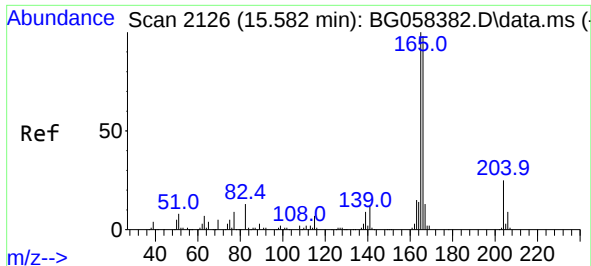
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#52
Acenaphthene
Concen: 1.402 ng/ul
RT: 14.594 min Scan# 1958
Delta R.T. -0.009 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

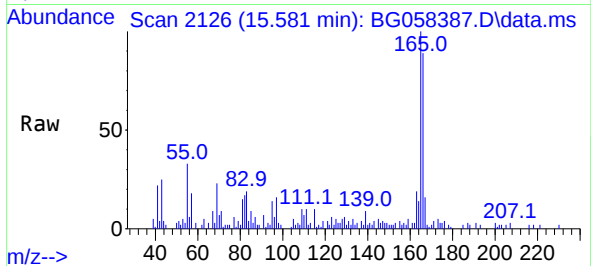
Tgt Ion:153 Resp: 11363
Ion Ratio Lower Upper
153 100
152 49.1 39.1 58.7
154 90.9 68.7 103.1





#61
Fluorene
Concen: 1.826 ng/ul
RT: 15.581 min Scan# 2126
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

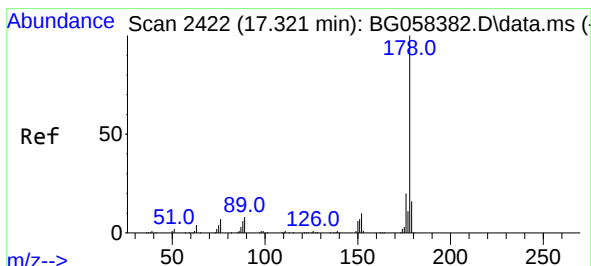
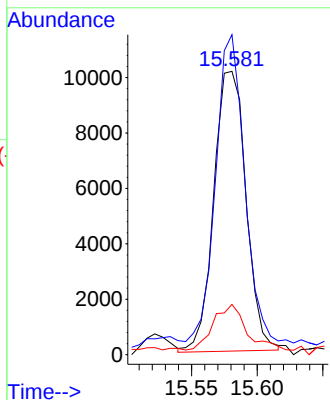
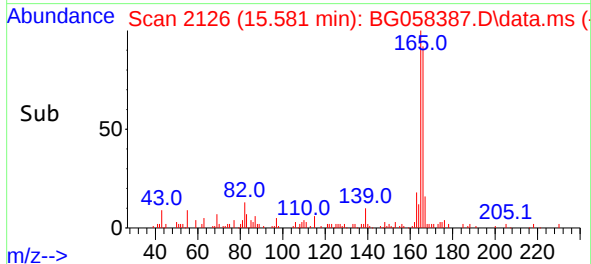
Instrument :
BNA_G
ClientSampleId :
A46S2



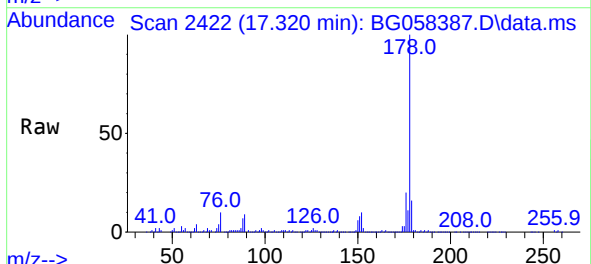
Tgt Ion:166 Resp: 17289
Ion Ratio Lower Upper
166 100
165 112.9 80.2 120.2
167 17.8 10.5 15.7

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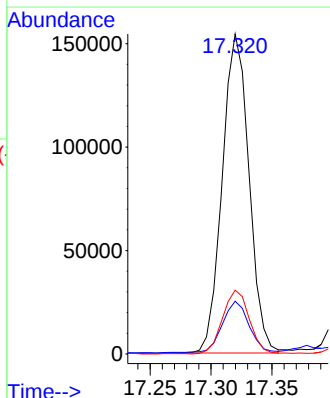
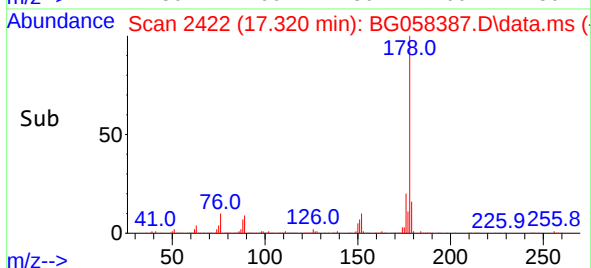
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

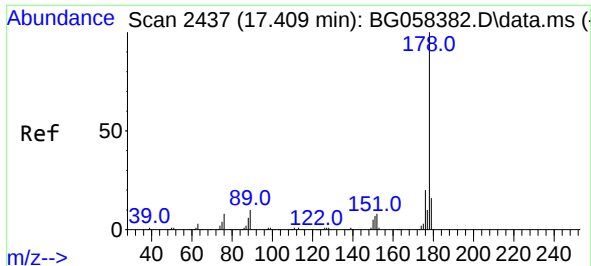


#72
Phenanthrene
Concen: 18.105 ng/ul
RT: 17.320 min Scan# 2422
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34



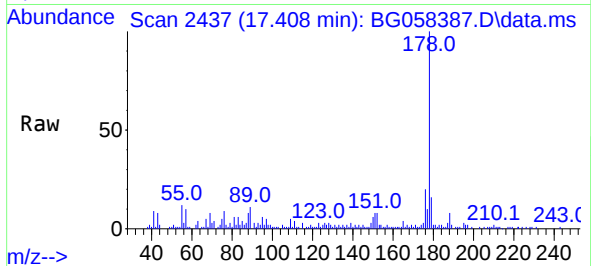
Tgt Ion:178 Resp: 235788
Ion Ratio Lower Upper
178 100
179 16.5 11.9 17.9
176 20.0 15.8 23.8





#74
 Anthracene
 Concen: 3.687 ng/u1
 RT: 17.408 min Scan# 2437
 Delta R.T. -0.009 min
 Lab File: BG058387.D
 Acq: 21 Jul 2023 14:34

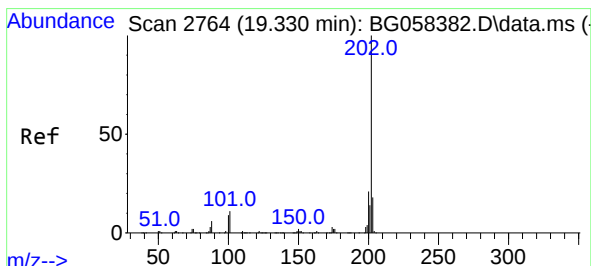
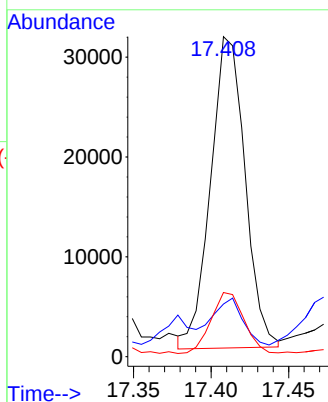
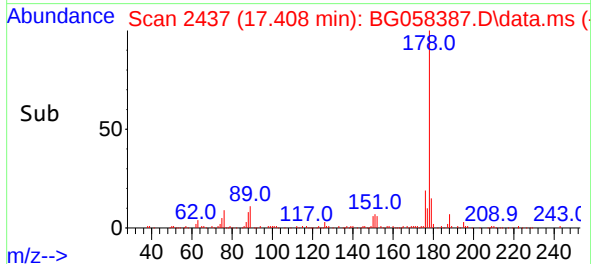
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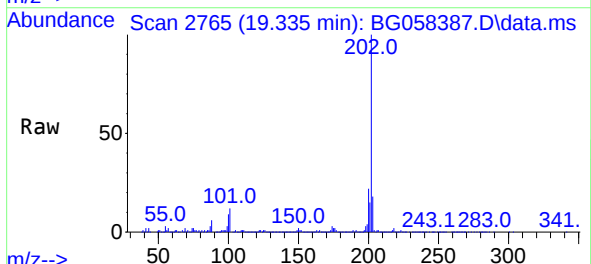
Tgt Ion:178 Resp: 48199
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.4 20.2
 176 20.0 16.2 24.2

Manual Integrations
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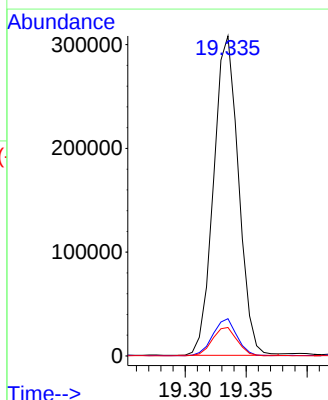
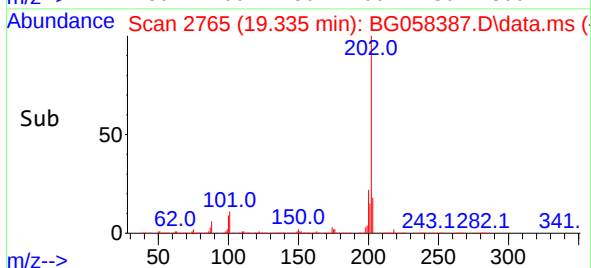
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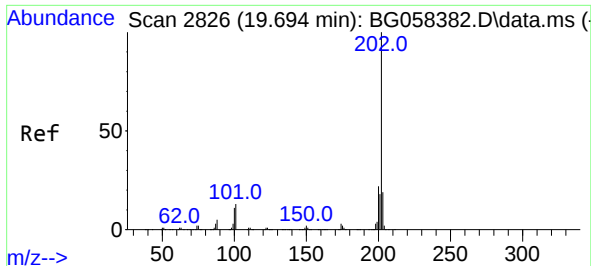


#80
 Fluoranthene
 Concen: 29.330 ng/u1
 RT: 19.335 min Scan# 2765
 Delta R.T. 0.003 min
 Lab File: BG058387.D
 Acq: 21 Jul 2023 14:34



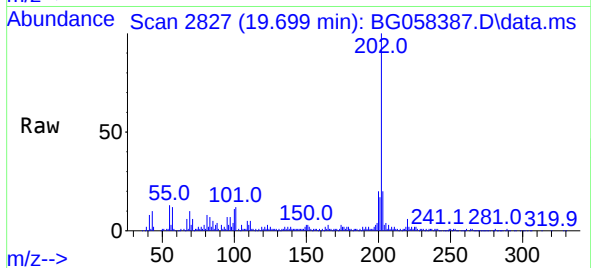
Tgt Ion:202 Resp: 437386
 Ion Ratio Lower Upper
 202 100
 101 11.6 8.6 12.8
 100 8.9 7.2 10.8





#82
 Pyrene
 Concen: 7.873 ng/ul
 RT: 19.699 min Scan# 2827
 Delta R.T. 0.003 min
 Lab File: BG058387.D
 Acq: 21 Jul 2023 14:34

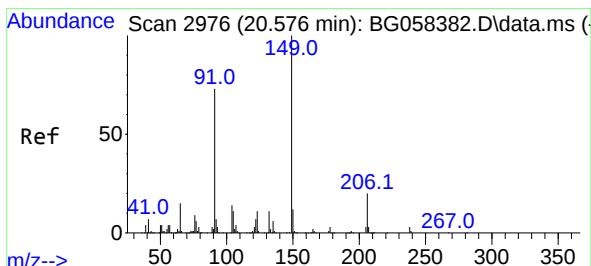
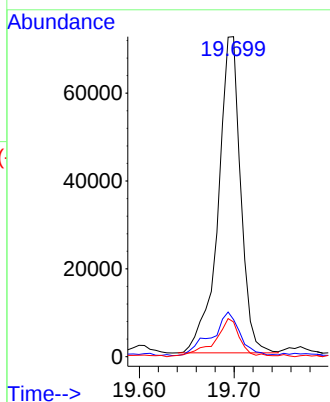
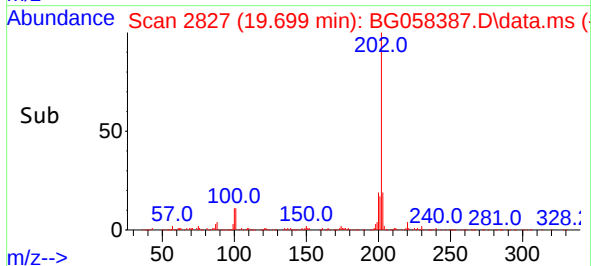
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Tgt Ion:202 Resp: 11896
 Ion Ratio Lower Upper
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 101 11.6 10.2 15.2
 100 10.8 8.9 13.3

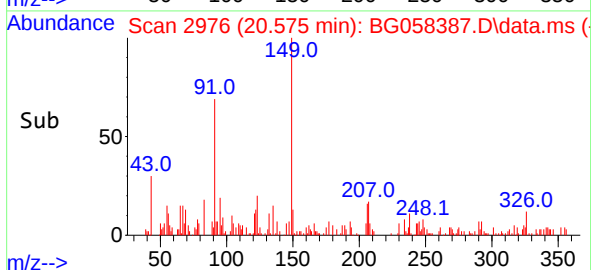
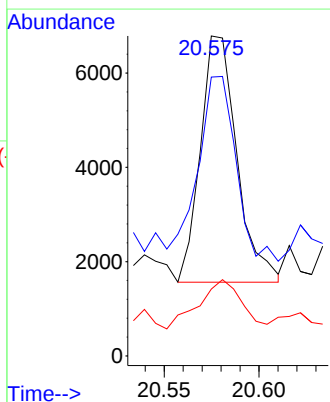
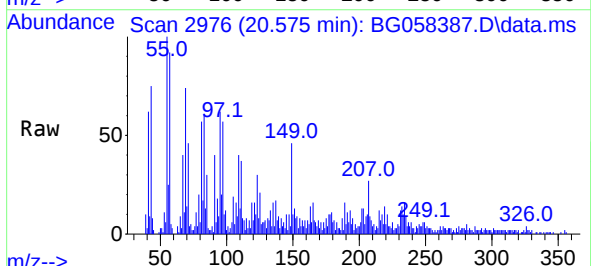
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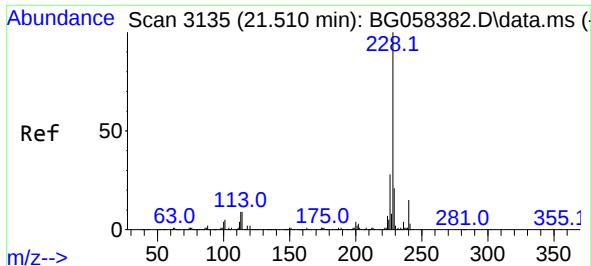
Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023



#83
 Butylbenzylphthalate
 Concen: 1.176 ng/ul
 RT: 20.575 min Scan# 2976
 Delta R.T. -0.003 min
 Lab File: BG058387.D
 Acq: 21 Jul 2023 14:34

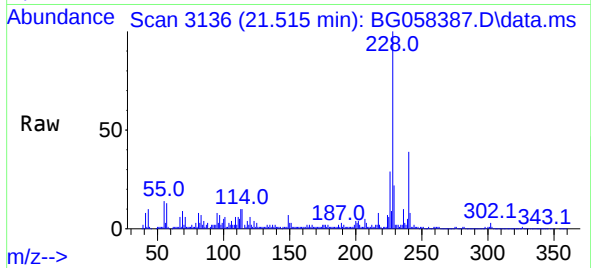
Tgt Ion:149 Resp: 7000
 Ion Ratio Lower Upper
 149 100
 91 87.2 59.9 89.9
 206 20.9 16.9 25.3





#85
Benzo(a)anthracene
Concen: 13.180 ng/ul
RT: 21.515 min Scan# 3135
Delta R.T. 0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

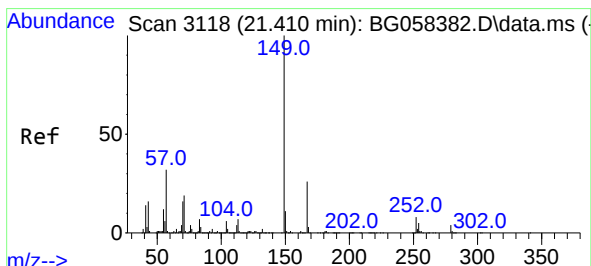
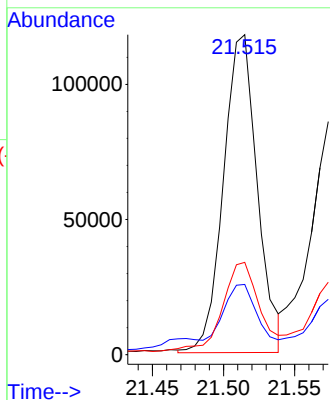
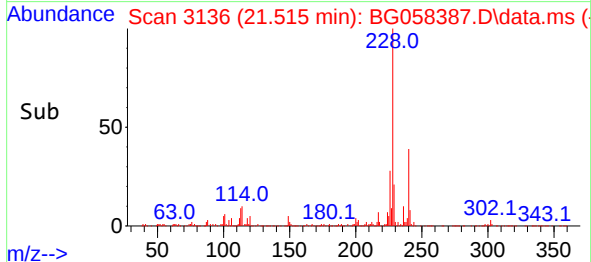
Instrument :
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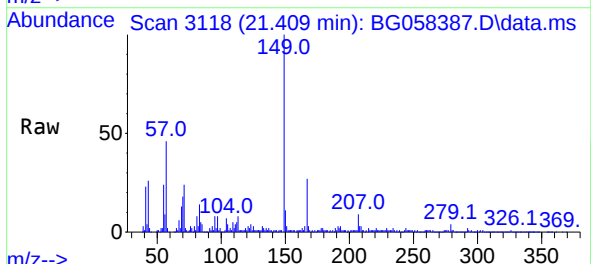
Tgt Ion:228 Resp: 195239
Ion Ratio Lower Upper
228 100
229 21.9 15.7 23.5
226 28.9 21.8 32.8

Manual Integrations
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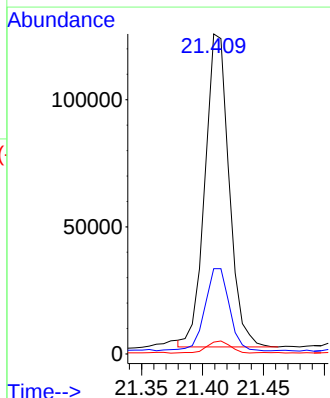
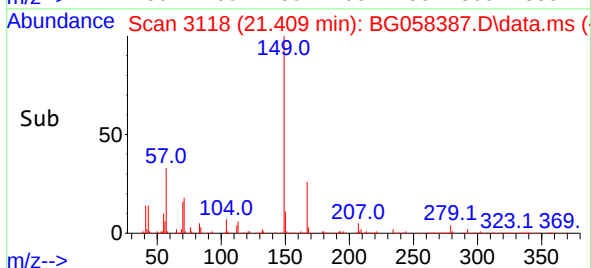
Reviewed By :Yogesh Patel 07/22/2023
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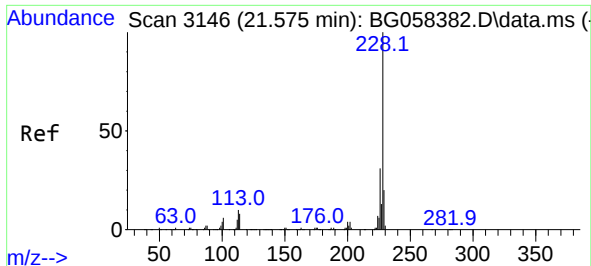


#86
Bis(2-ethylhexyl)phthalate
Concen: 20.017 ng/ul
RT: 21.409 min Scan# 3118
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34



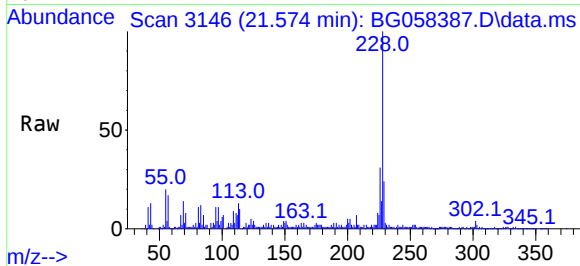
Tgt Ion:149 Resp: 169398
Ion Ratio Lower Upper
149 100
167 26.7 21.6 32.4
279 3.7 3.0 4.4





#87
Chrysene
Concen: 10.966 ng/ul m
RT: 21.574 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

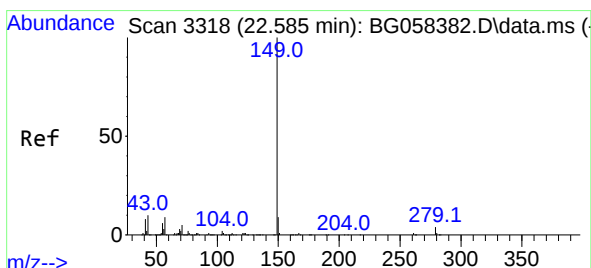
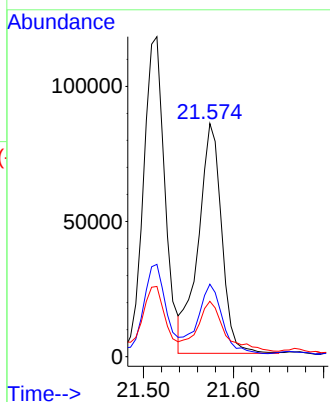
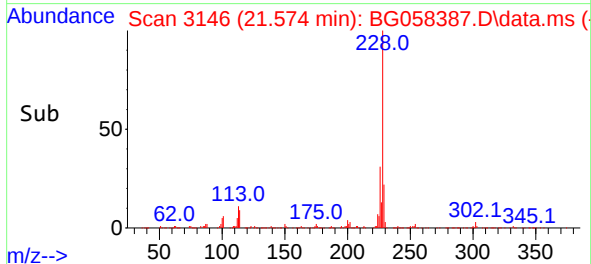
Instrument :
BNA_G
ClientSampleId :
A46S2



Tgt Ion:228 Resp: 15408
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 23.8 15.8 23.8

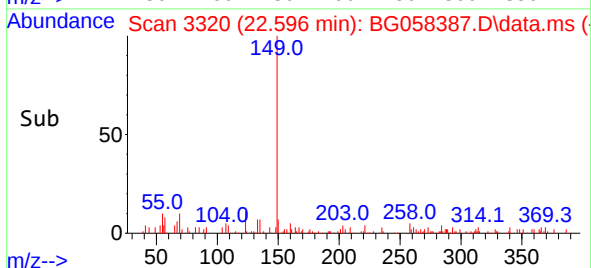
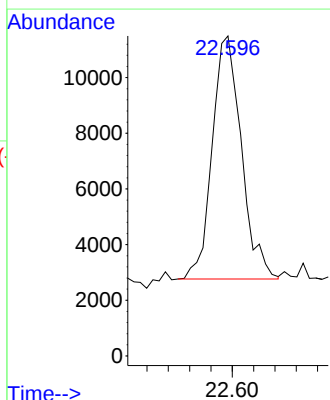
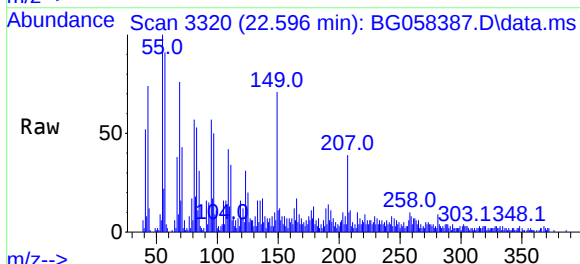
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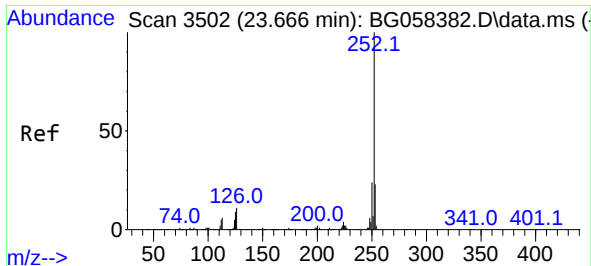
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#89
Di-n-octyl phthalate
Concen: 1.139 ng/ul
RT: 22.596 min Scan# 3320
Delta R.T. 0.009 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

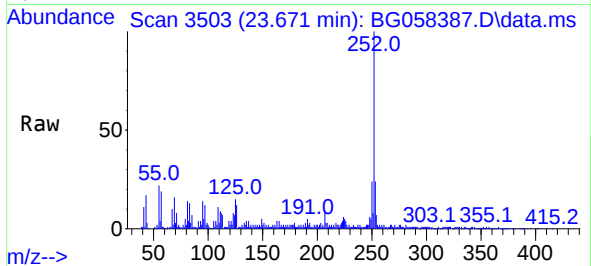
Tgt Ion:149 Resp: 16601





#90
Benzo(b)fluoranthene
Concen: 11.531 ng/ul
RT: 23.671 min Scan# 3502
Delta R.T. 0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

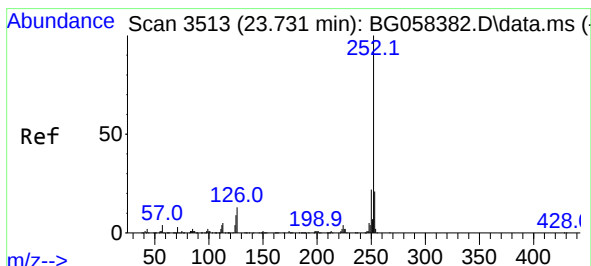
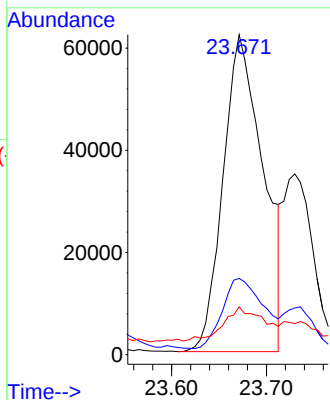
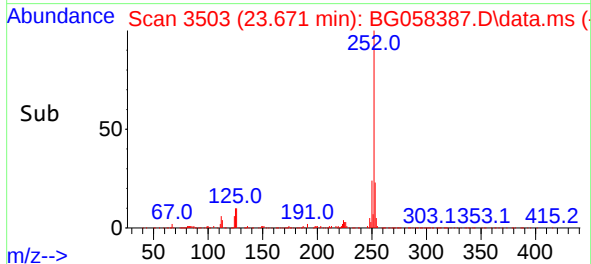
Instrument :
BNA_G
ClientSampleId :
A46S2



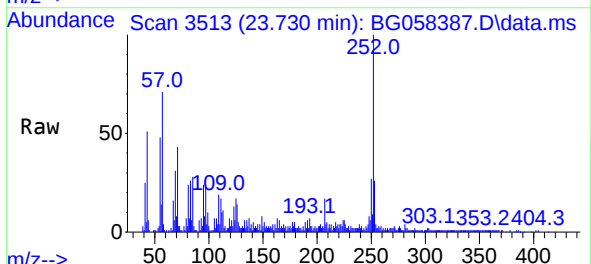
Tgt Ion:252 Resp: 182694
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 14.9 6.7 10.1

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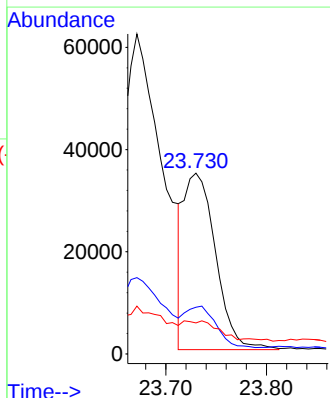
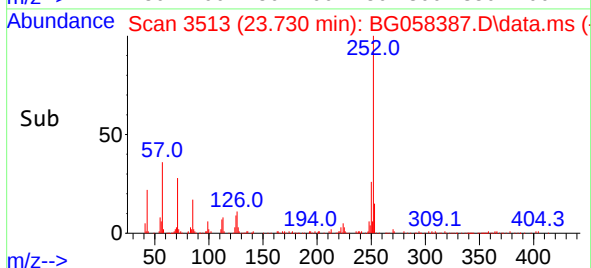
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

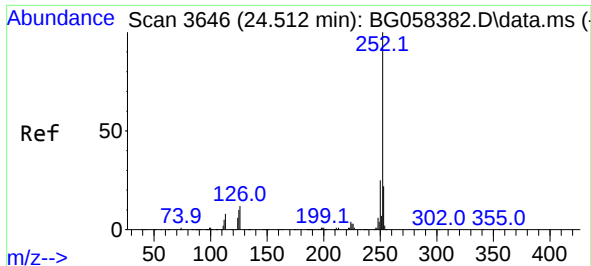


#91
Benzo(k)fluoranthene
Concen: 4.795 ng/ul m
RT: 23.730 min Scan# 3513
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34



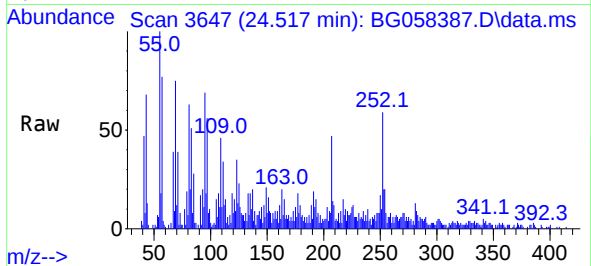
Tgt Ion:252 Resp: 75773
Ion Ratio Lower Upper
252 100
253 25.8 18.3 27.5
125 17.2 7.4 11.0





#93
Benzo(a)pyrene
Concen: 1.331 ng/ul
RT: 24.517 min Scan# 30
Delta R.T. -0.003 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34

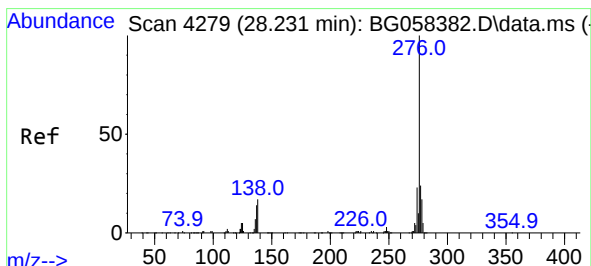
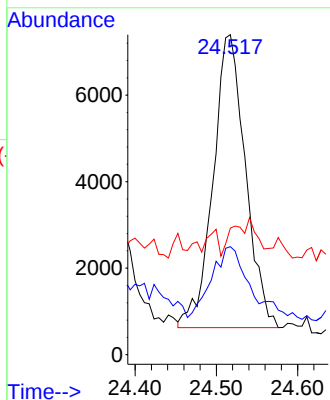
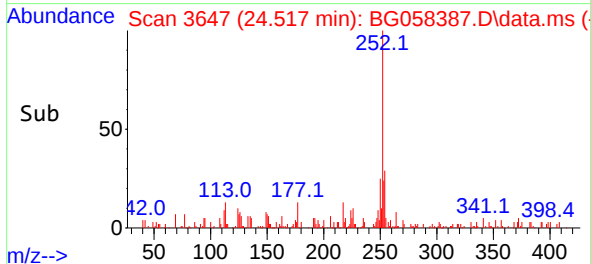
Instrument :
BNA_G
ClientSampleId :
A46S2



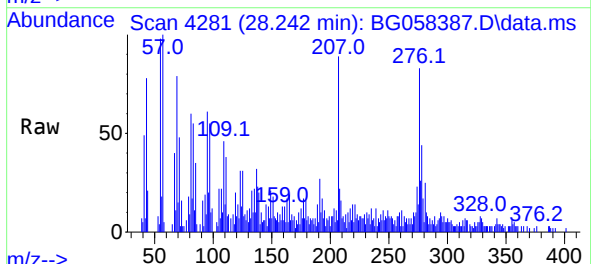
Tgt Ion:252 Resp: 18762
Ion Ratio Lower Upper
252 100
253 33.7 17.4 26.0#
125 39.6 7.7 11.5#

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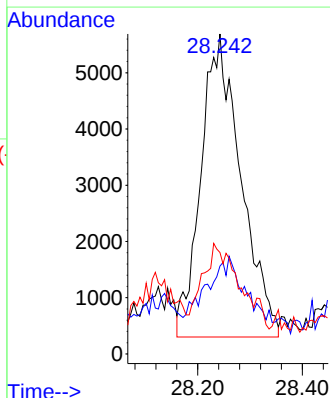
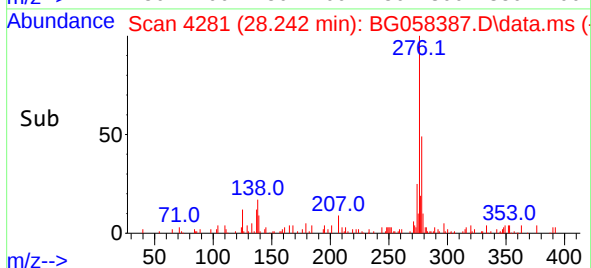
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

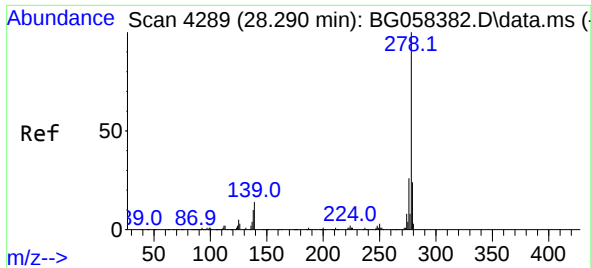


#94
Indeno(1,2,3-cd)pyrene
Concen: 1.537 ng/ul m
RT: 28.242 min Scan# 4281
Delta R.T. 0.014 min
Lab File: BG058387.D
Acq: 21 Jul 2023 14:34



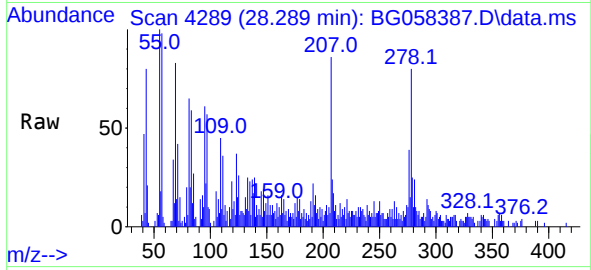
Tgt Ion:276 Resp: 28533
Ion Ratio Lower Upper
276 100
138 27.4 13.8 20.6#
277 31.7 19.2 28.8#





#95
 Dibenzo(a,h)anthracene
 Concen: 1.777 ng/ul m
 RT: 28.289 min Scan# 4289
 Delta R.T. -0.003 min
 Lab File: BG058387.D
 Acq: 21 Jul 2023 14:34

Instrument :
 BNA_G
 ClientSampleId :
 A46S2



Tgt Ion:	278	Resp:	2705
Ion Ratio	Lower	Upper	
278	100		
139	31.0	10.4	15.6
279	31.3	18.4	27.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

