

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120621\
 Data File : BG051403.D
 Acq On : 8 Dec 2021 11:02
 Operator : CG/JU
 Sample : M4960-01 10X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGKR4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 09 04:04:10 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112321.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 03 15:23:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.188	152	30042	20.000	ng/u1	-0.01
20) Naphthalene-d8	11.020	136	131260	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.822	164	85010	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.577	188	181767	20.000	ng/u1	0.00
79) Chrysene-d12	21.878	240	158319	20.000	ng/u1	0.00
88) Perylene-d12	25.280	264	160964	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	3.993	84	1807m	0.712	ng/u1	0.01
7) Phenol-d5	7.366	99	5563	1.874	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.507	67	3276	1.757	ng/u1	0.00
11) 2-Chlorophenol-d4	7.730	132	3937	1.841	ng/u1	0.00
15) 4-Methylphenol-d8	8.923	113	4287m	1.789	ng/u1	0.00
21) Nitrobenzene-d5	9.375	128	1795	1.620	ng/u1	0.00
24) 2-Nitrophenol-d4	10.104	143	2021	1.617	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.668	165	4077	1.923	ng/u1	0.01
31) 4-Chloroaniline-d4	11.173	131	4376	1.410	ng/u1	0.00
46) Dimethylphthalate-d6	14.217	166	15569	2.380	ng/u1	0.00
49) Acenaphthylene-d8	14.522	160	19780	2.398	ng/u1	0.00
54) 4-Nitrophenol-d4	15.098	143	1096m	1.035	ng/u1	0.05
60) Fluorene-d10	15.815	176	14166	2.405	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.671	188	23996	2.760	ng/u1	0.00
81) Pyrene-d10	19.951	212	25991	2.713	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.045	264	22368	2.602	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	11.067	128	7204	1.009	ng/u1#	94
50) Acenaphthylene	14.557	152	10200m	1.252	ng/u1	
52) Acenaphthene	14.886	153	8300	1.544	ng/u1	97
61) Fluorene	15.874	166	12512	2.015	ng/u1	95
72) Phenanthrene	17.619	178	261358	26.042	ng/u1	100
74) Anthracene	17.707	178	74416	7.466	ng/u1	98
77) Carbazole	17.983	167	15632	1.787	ng/u1	96
80) Fluoranthene	19.622	202	552708	46.976	ng/u1	97
82) Pyrene	19.986	202	510353	44.343	ng/u1	97
85) Benzo(a)anthracene	21.855	228	277392	25.833	ng/u1	99
87) Chrysene	21.925	228	249390	24.176	ng/u1	98
90) Benzo(b)fluoranthene	24.193	252	287211	26.440	ng/u1	98
91) Benzo(k)fluoranthene	24.252	252	111487m	10.937	ng/u1	
93) Benzo(a)pyrene	25.116	252	225764	21.785	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	29.199	276	142388	12.278	ng/u1	97
95) Dibenzo(a,h)anthracene	29.228	278	35767	3.635	ng/u1	93
96) Benzo(g,h,i)perylene	30.421	276	115210m	11.808	ng/u1	

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

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 Misc :
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BNA_G

ClientSampleId :

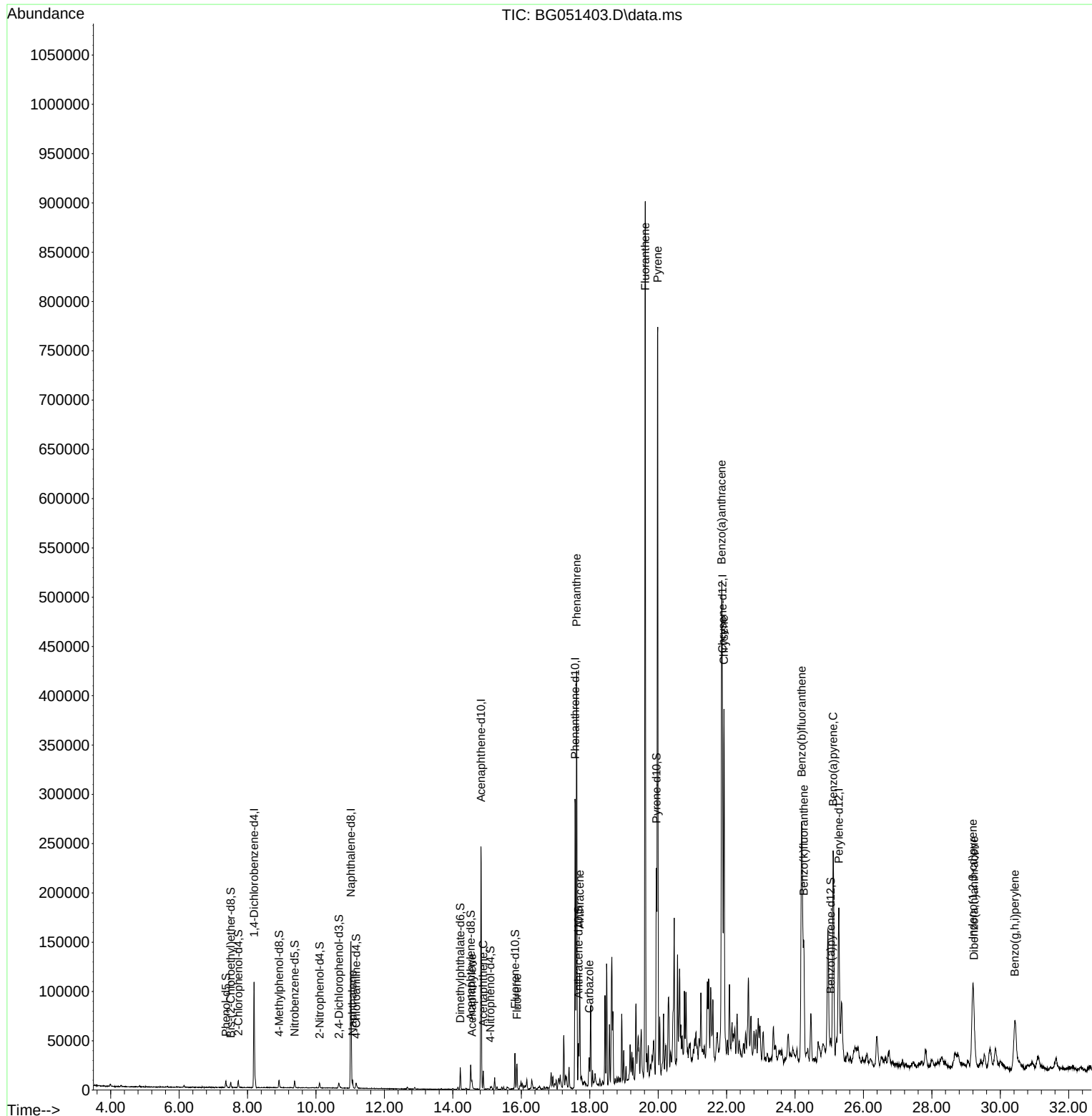
BGKR4

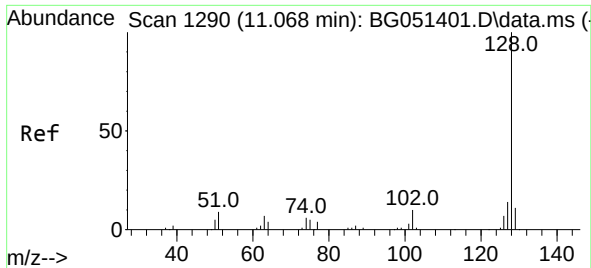
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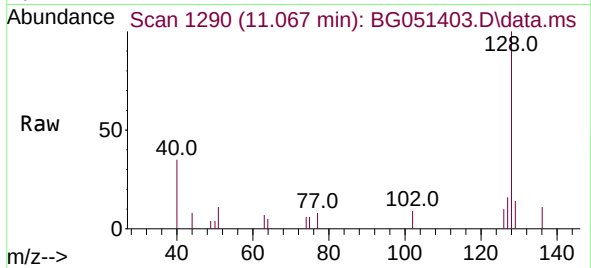
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 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 1.009 ng/ul
RT: 11.067 min Scan# 1290
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

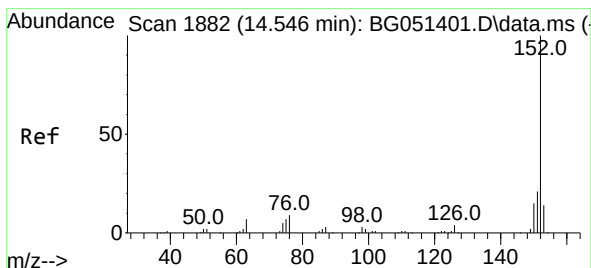
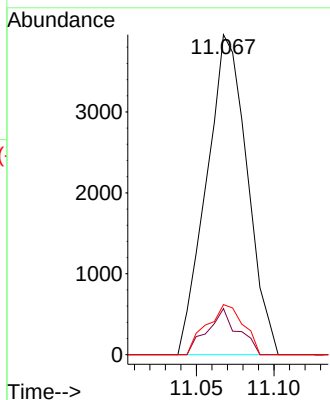
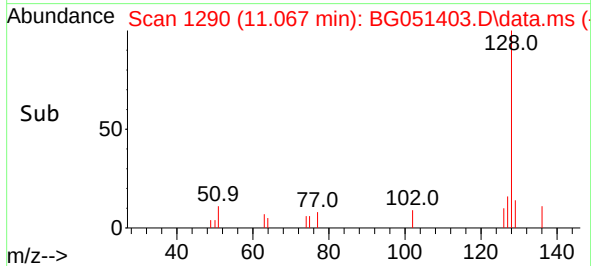
Instrument :
BNA_G
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BGKR4



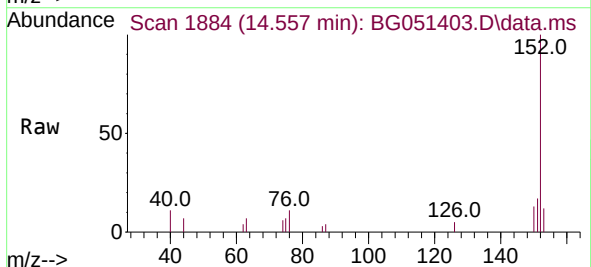
Tgt Ion:128 Resp: 7204
Ion Ratio Lower Upper
128 100
129 14.4 8.5 12.7
127 15.6 11.8 17.6

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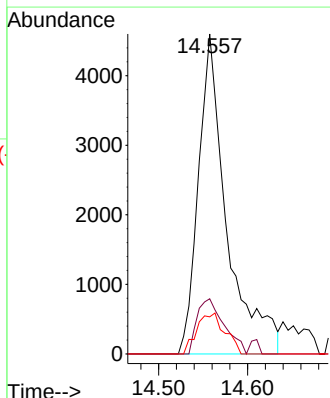
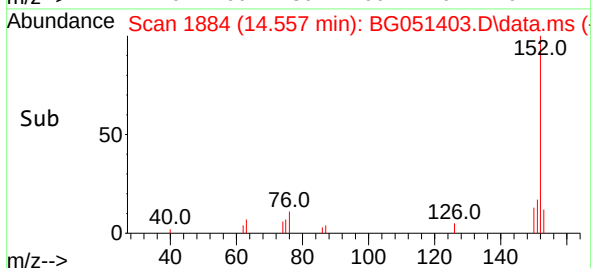
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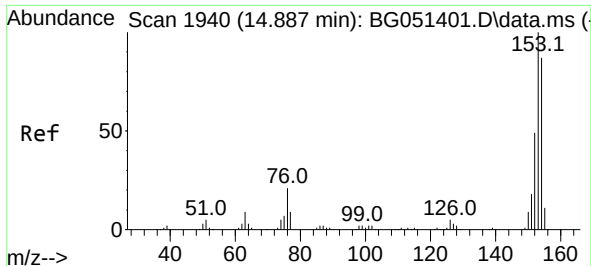


#50
Acenaphthylene
Concen: 1.252 ng/ul m
RT: 14.557 min Scan# 1884
Delta R.T. -0.003 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02



Tgt Ion:152 Resp: 10200
Ion Ratio Lower Upper
152 100
151 17.2 17.4 26.0#
153 11.6 10.3 15.5





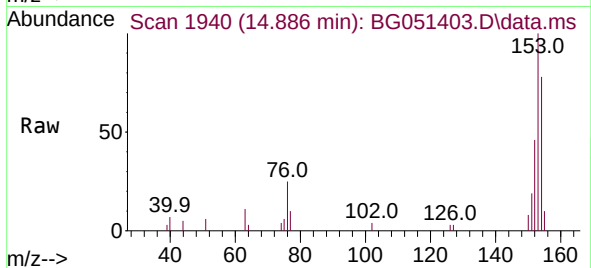
#52
Acenaphthene
Concen: 1.544 ng/ul
RT: 14.886 min Scan# 1940
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

Instrument :

BNA_G

ClientSampleId :

BGKR4

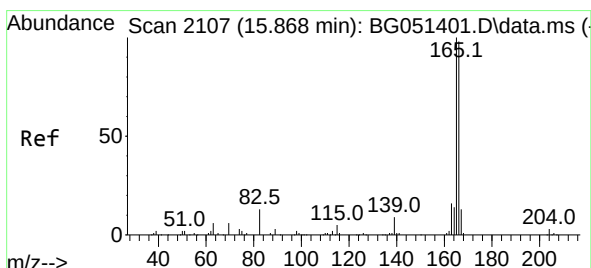
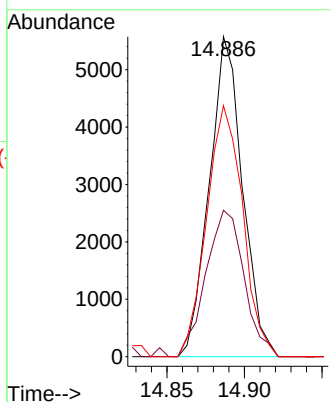
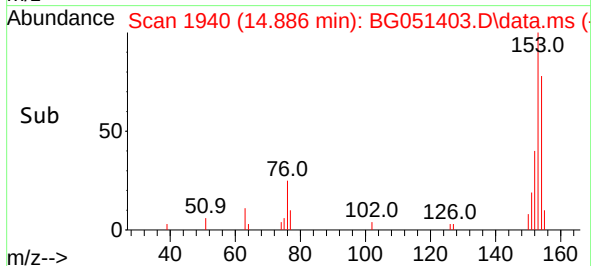


Tgt Ion:153 Resp: 8300
Ion Ratio Lower Upper
153 100
152 45.8 36.5 54.7
154 78.5 65.8 98.6

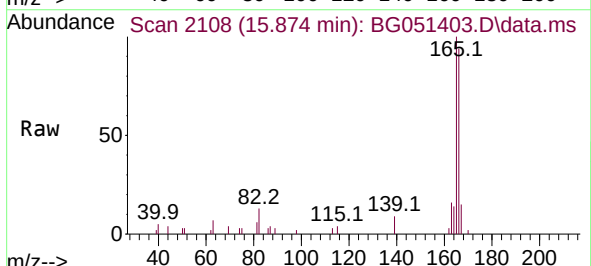
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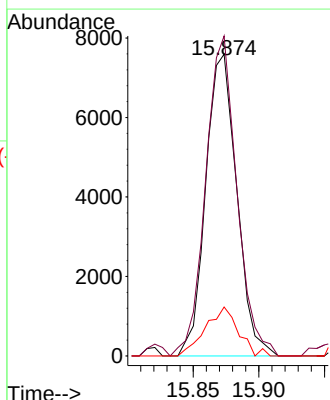
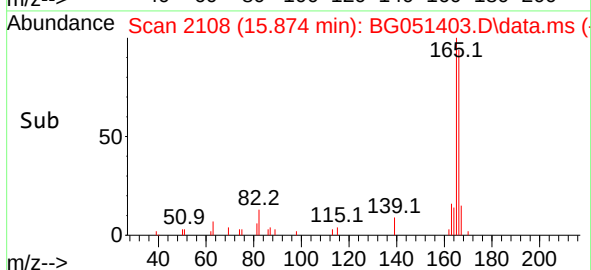
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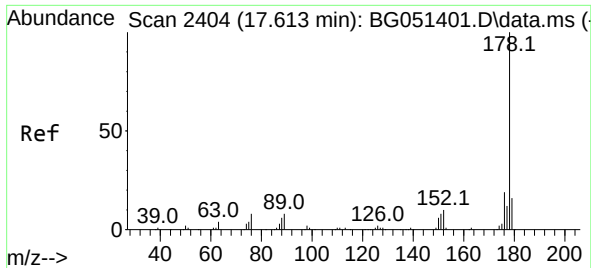


#61
Fluorene
Concen: 2.015 ng/ul
RT: 15.874 min Scan# 2108
Delta R.T. -0.003 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02



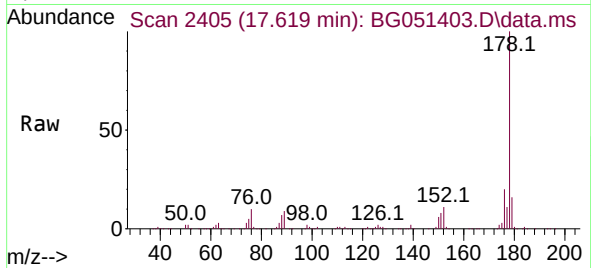
Tgt Ion:166 Resp: 12512
Ion Ratio Lower Upper
166 100
165 106.0 81.0 121.6
167 16.2 11.0 16.4





#72
Phenanthrene
Concen: 26.042 ng/ul
RT: 17.619 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

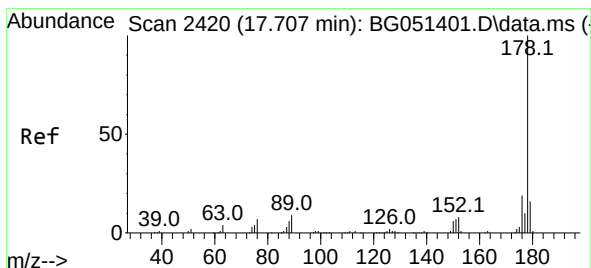
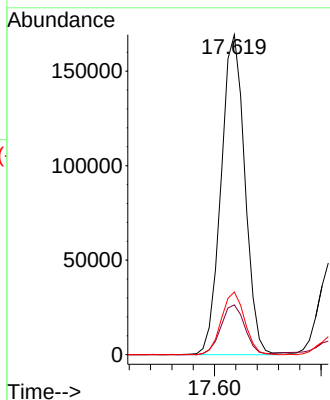
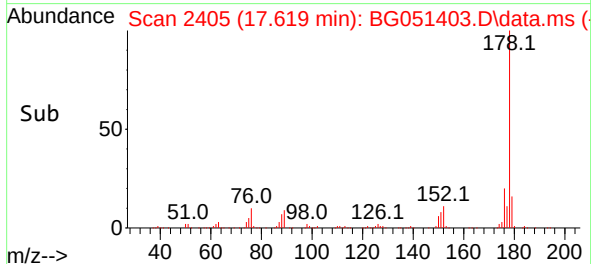
Instrument :
BNA_G
ClientSampleId :
BGKR4



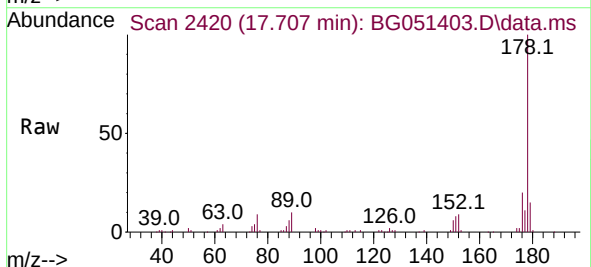
Tgt Ion:178 Resp: 261358
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.6 15.5 23.3

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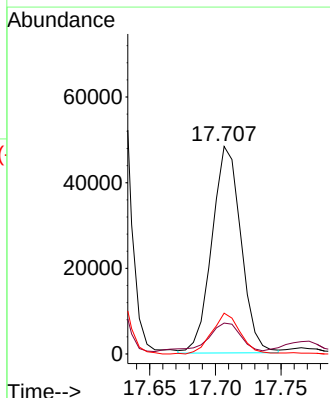
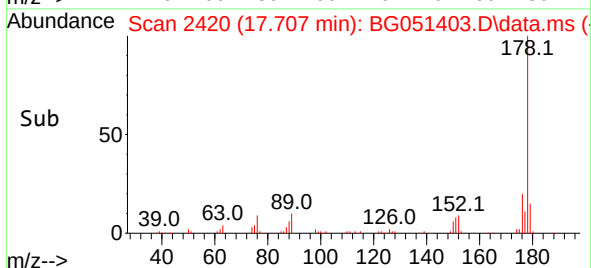
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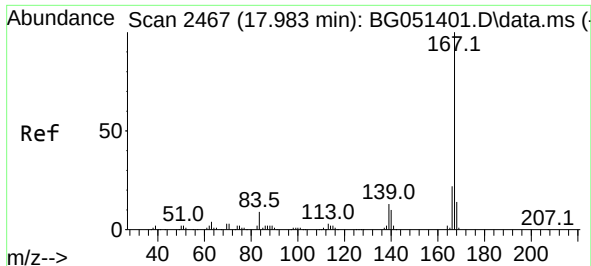


#74
Anthracene
Concen: 7.466 ng/ul
RT: 17.707 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02



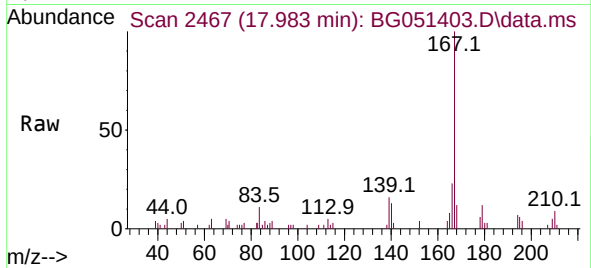
Tgt Ion:178 Resp: 74416
Ion Ratio Lower Upper
178 100
179 14.9 13.0 19.6
176 19.7 15.6 23.4





#77
 Carbazole
 Concen: 1.787 ng/ul
 RT: 17.983 min Scan# 2467
 Delta R.T. -0.003 min
 Lab File: BG051403.D
 Acq: 8 Dec 2021 11:02

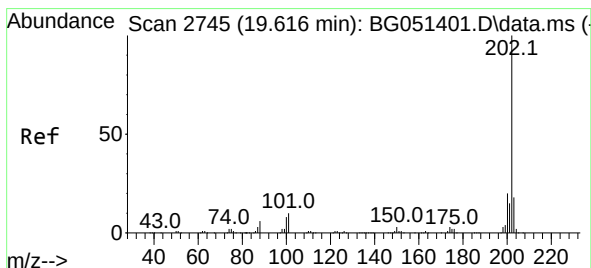
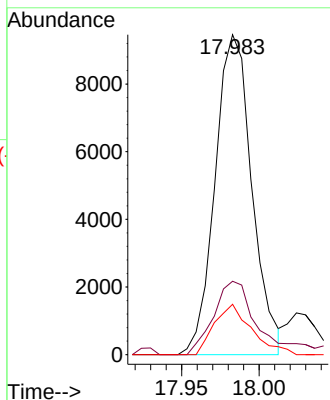
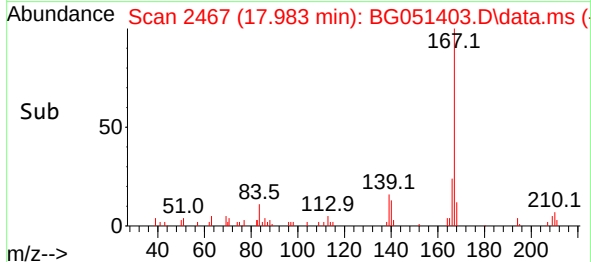
Instrument :
 BNA_G
 ClientSampleId :
 BGKR4



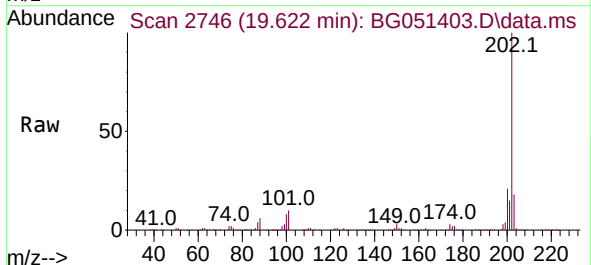
Tgt Ion:167 Resp: 1563
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.3 25.9
 139 15.8 10.6 16.0

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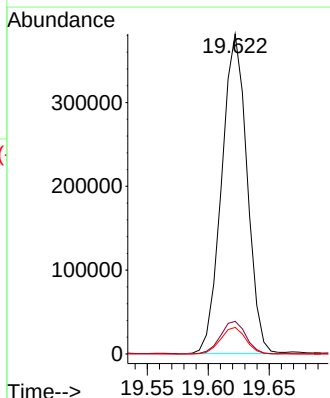
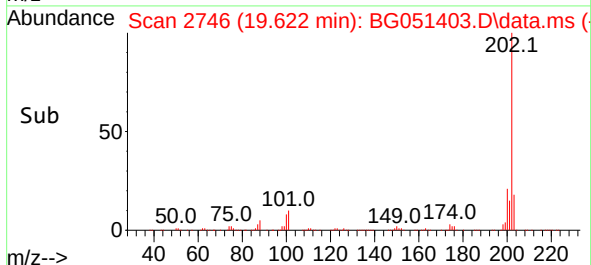
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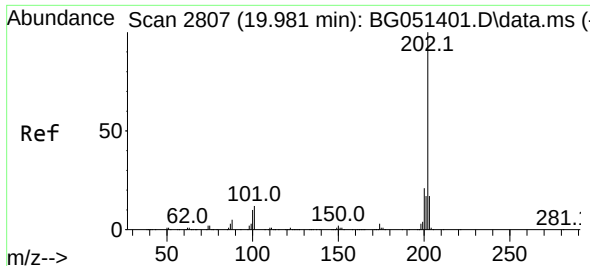


#80
 Fluoranthene
 Concen: 46.976 ng/ul
 RT: 19.622 min Scan# 2746
 Delta R.T. -0.003 min
 Lab File: BG051403.D
 Acq: 8 Dec 2021 11:02



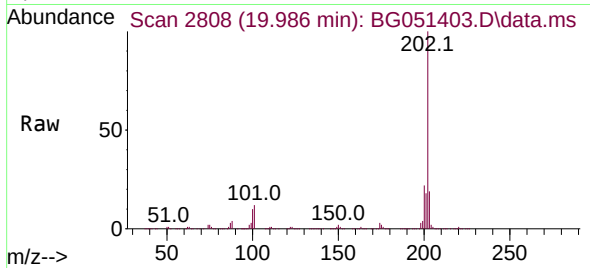
Tgt Ion:202 Resp: 552708
 Ion Ratio Lower Upper
 202 100
 101 10.2 9.3 13.9
 100 8.3 7.0 10.6





#82
Pyrene
Concen: 44.343 ng/ul
RT: 19.986 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

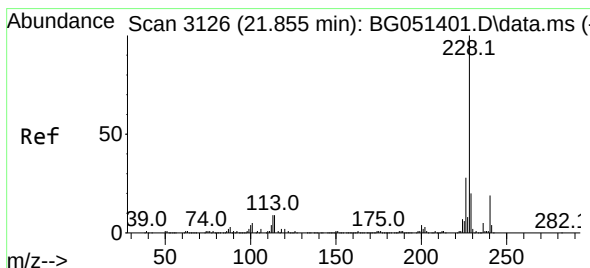
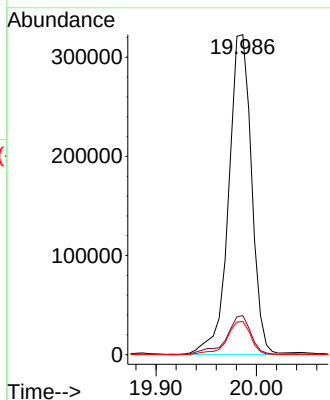
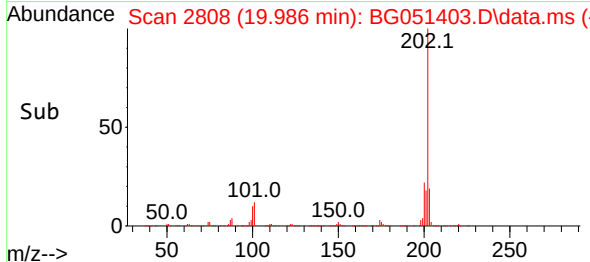
Instrument :
BNA_G
ClientSampleId :
BGKR4



Tgt Ion:202 Resp: 51035
Ion Ratio Lower Upper
202 100
101 12.2 10.7 16.1
100 10.4 9.0 13.6

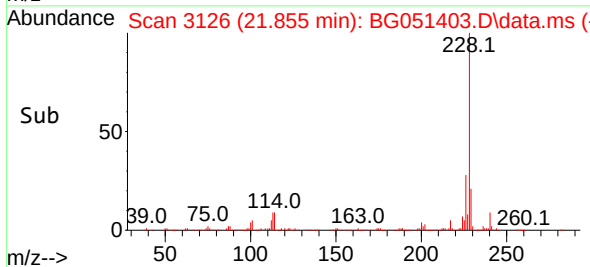
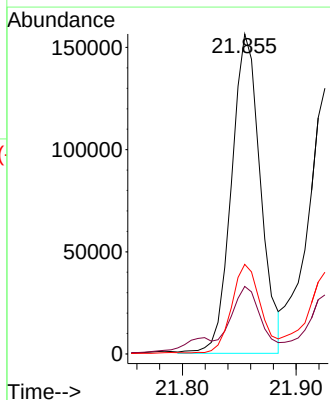
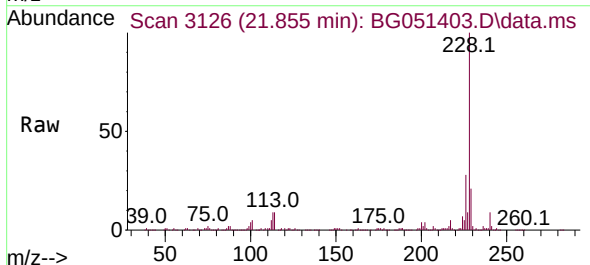
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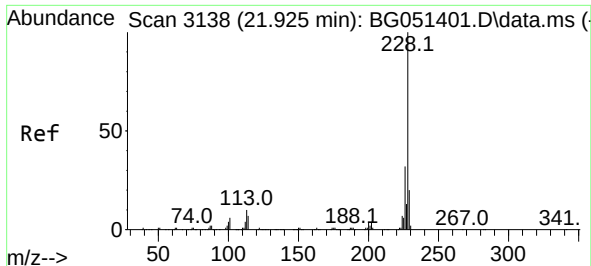
Reviewed By :Jagrut Upadhyay 12/09/2021
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#85
Benzo(a)anthracene
Concen: 25.833 ng/ul
RT: 21.855 min Scan# 3126
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

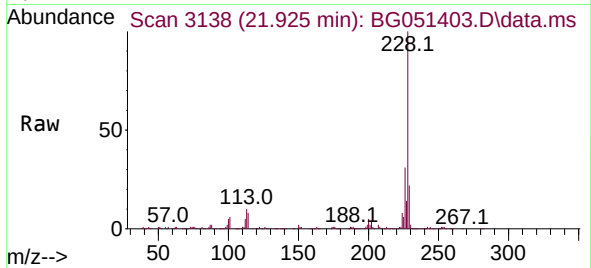
Tgt Ion:228 Resp: 277392
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 28.0 22.3 33.5





#87
Chrysene
Concen: 24.176 ng/ul
RT: 21.925 min Scan# 3138
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

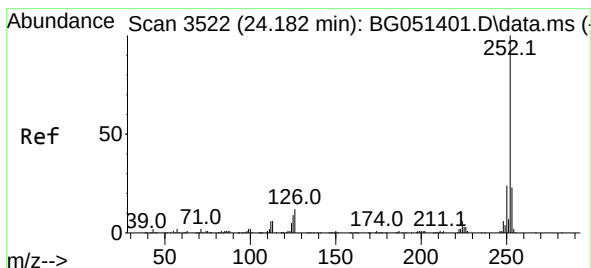
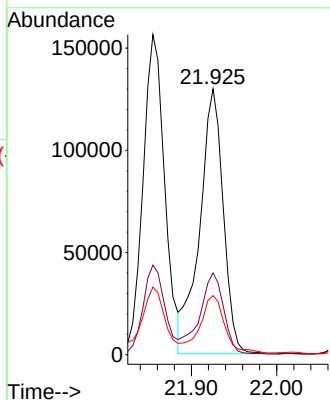
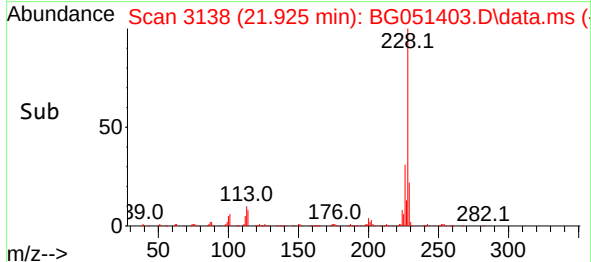
Instrument :
BNA_G
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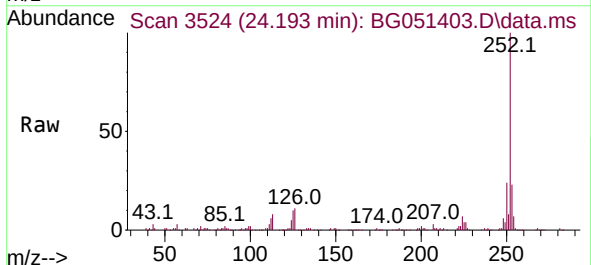
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Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 22.2 15.8 23.6

Manual Integrations
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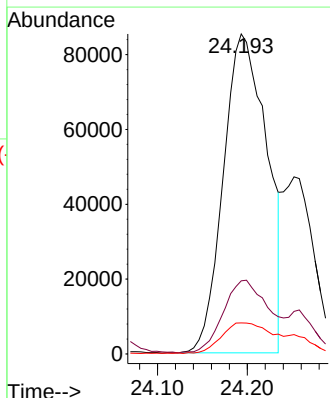
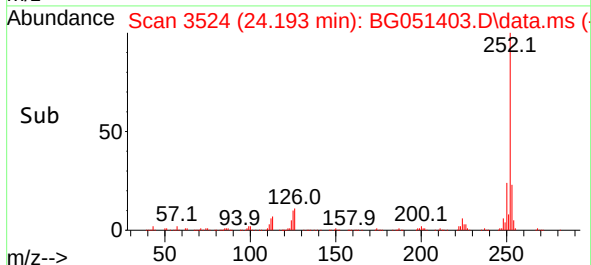
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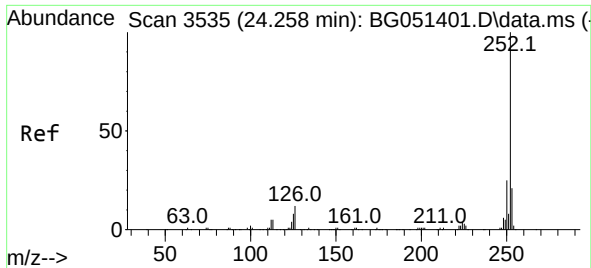


#90
Benzo(b)fluoranthene
Concen: 26.440 ng/ul
RT: 24.193 min Scan# 3524
Delta R.T. 0.003 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02



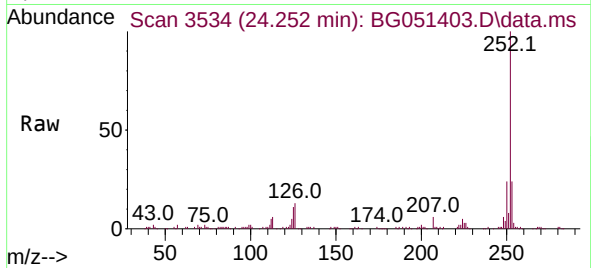
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Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.7 8.5 12.7





#91
Benzo(k)fluoranthene
Concen: 10.937 ng/ul m
RT: 24.252 min Scan# 3535
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02

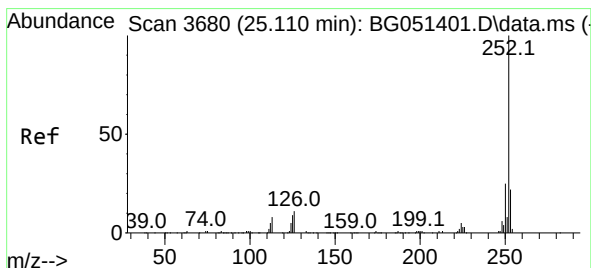
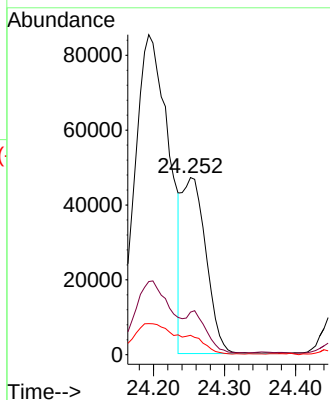
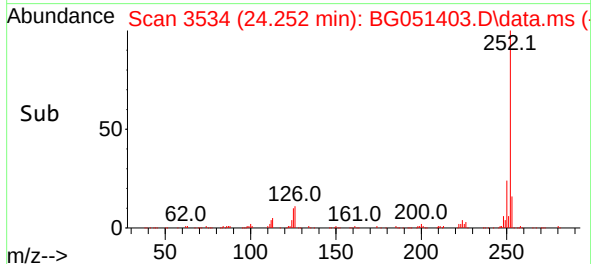
Instrument :
BNA_G
ClientSampleId :
BGKR4



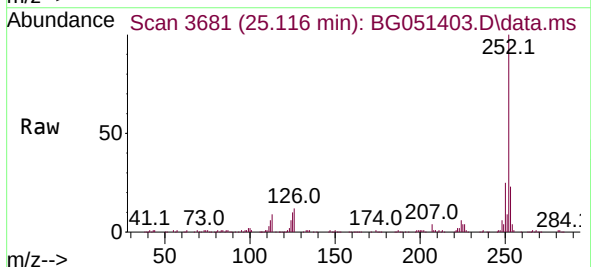
Tgt Ion:252 Resp: 11148
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 10.9 7.8 11.6

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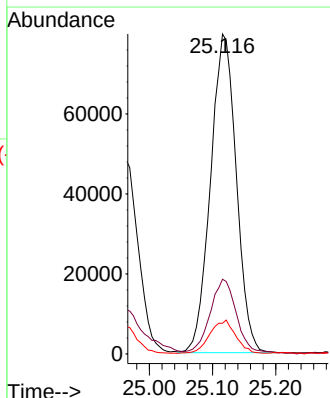
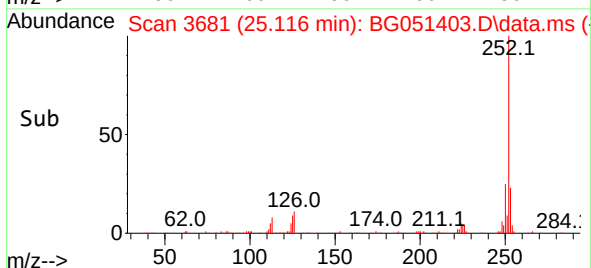
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

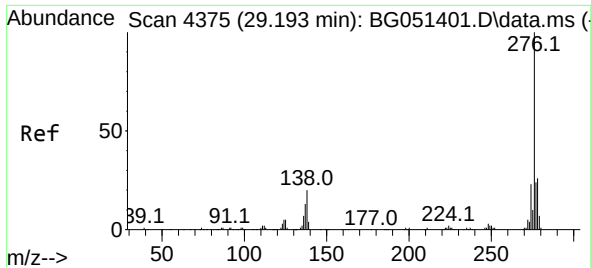


#93
Benzo(a)pyrene
Concen: 21.785 ng/ul
RT: 25.116 min Scan# 3681
Delta R.T. -0.009 min
Lab File: BG051403.D
Acq: 8 Dec 2021 11:02



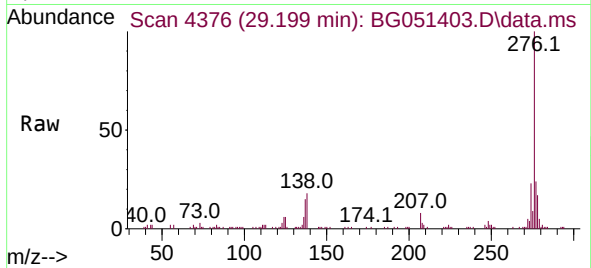
Tgt Ion:252 Resp: 225764
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.6 9.1 13.7





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 12.278 ng/ul
 RT: 29.199 min Scan# 4375
 Delta R.T. 0.009 min
 Lab File: BG051403.D
 Acq: 8 Dec 2021 11:02

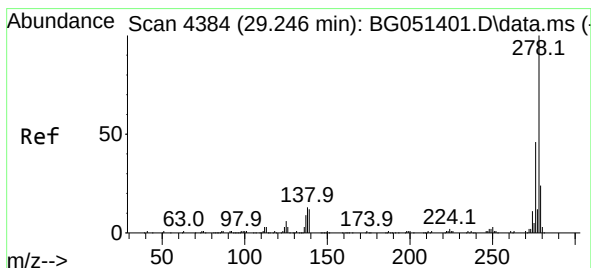
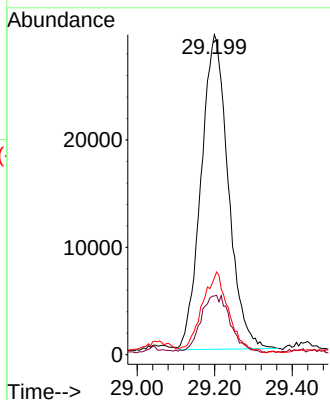
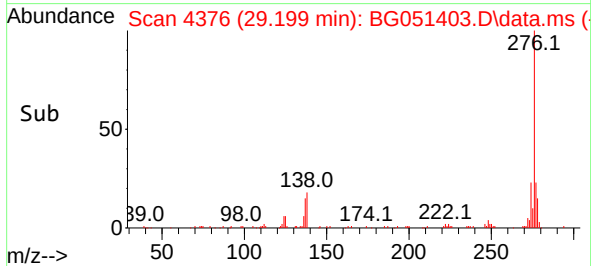
Instrument :
 BNA_G
 ClientSampleId :
 BGKR4



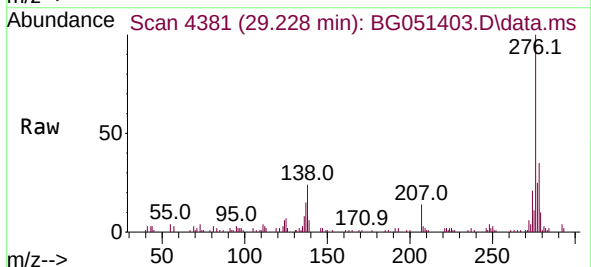
Tgt Ion:276 Resp: 142388
 Ion Ratio Lower Upper
 276 100
 138 18.4 15.5 23.3
 277 23.9 20.5 30.7

Manual Integrations
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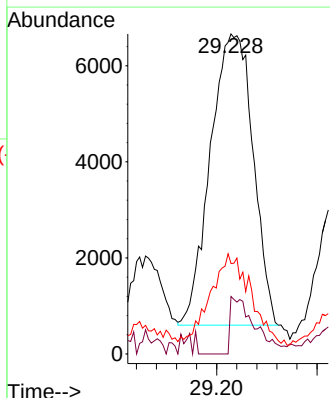
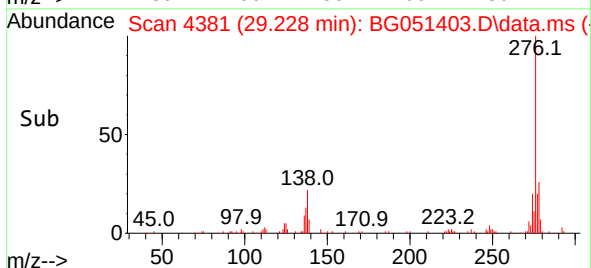
Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

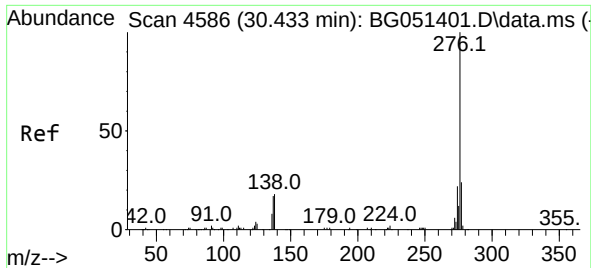


#95
 Dibenzo(a,h)anthracene
 Concen: 3.635 ng/ul
 RT: 29.228 min Scan# 4381
 Delta R.T. -0.015 min
 Lab File: BG051403.D
 Acq: 8 Dec 2021 11:02



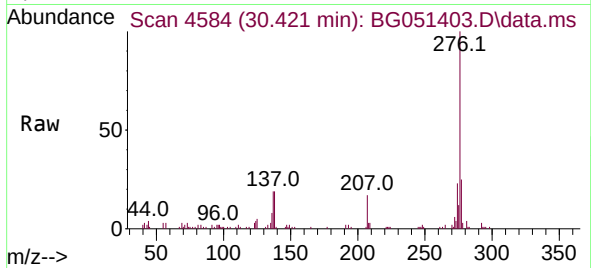
Tgt Ion:278 Resp: 35767
 Ion Ratio Lower Upper
 278 100
 139 17.9 12.2 18.4
 279 28.3 19.5 29.3





#96
 Benzo(g,h,i)perylene
 Concen: 11.808 ng/ul m
 RT: 30.421 min Scan# 4584
 Delta R.T. 0.009 min
 Lab File: BG051403.D
 Acq: 8 Dec 2021 11:02

Instrument :
 BNA_G
 ClientSampleId :
 BGKR4



Tgt Ion:276 Resp: 115210
 Ion Ratio Lower Upper
 276 100
 138 19.5 16.6 24.8
 277 25.3 17.6 26.4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

