

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059632.D
 Acq On : 4 Nov 2023 22:03
 Operator : MA/JU
 Sample : 05060-11DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKG9DL

Manual Integrations
 APPROVED

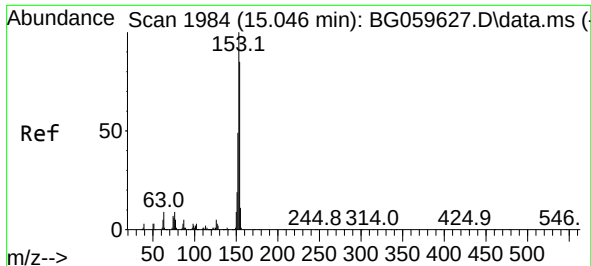
Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 04:09:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

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

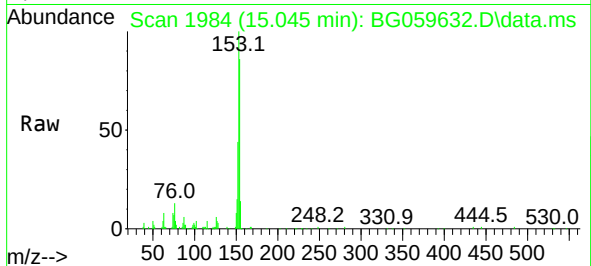
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.353	152	39560	20.000	ng/u1	# 0.00
20) Naphthalene-d8	11.203	136	199921	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.980	164	137737	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	281598	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.066	240	292015	20.000	ng/u1	0.00
88) Perylene-d12	25.668	264	338963	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.466	99	11243m	2.780	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.671	67	4222	1.952	ng/u1	0.00
11) 2-Chlorophenol-d4	7.865	132	7727	2.813	ng/u1	0.00
15) 4-Methylphenol-d8	9.034	113	6658	2.011	ng/u1	0.00
21) Nitrobenzene-d5	9.552	128	4916m	3.362	ng/u1	0.00
24) 2-Nitrophenol-d4	10.274	143	4359m	2.470	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.797	165	9990	3.187	ng/u1	0.00
31) 4-Chloroaniline-d4	11.338	131	4270	0.866	ng/u1	0.00
46) Dimethylphthalate-d6	14.375	166	37302	3.374	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	43841	3.326	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.968	176	29397	2.825	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.830	188	44754	3.037	ng/u1	0.00
81) Pyrene-d10	20.104	212	45915	2.457	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.415	264	61649m	3.107	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.045	153	86512	8.823	ng/u1	95
61) Fluorene	16.020	166	59231	5.186	ng/u1#	93
72) Phenanthrene	17.777	178	431889	26.182	ng/u1	97
74) Anthracene	17.865	178	165092	9.474	ng/u1	97
80) Fluoranthene	19.769	202	752360	32.835	ng/u1#	93
82) Pyrene	20.133	202	583288	25.295	ng/u1#	94
85) Benzo(a)anthracene	22.043	228	217126	9.485	ng/u1	99
87) Chrysene	22.119	228	253198	12.182	ng/u1	100
90) Benzo(b)fluoranthene	24.505	252	240065m	10.400	ng/u1	
91) Benzo(k)fluoranthene	24.569	252	99865m	4.241	ng/u1	
93) Benzo(a)pyrene	25.486	252	103947m	4.658	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.822	276	97346m	3.411	ng/u1	
96) Benzo(g,h,i)perylene	31.167	276	93850m	4.189	ng/u1	

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



#52
Acenaphthene
Concen: 8.823 ng/ul
RT: 15.045 min Scan# 1984
Delta R.T. 0.001 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

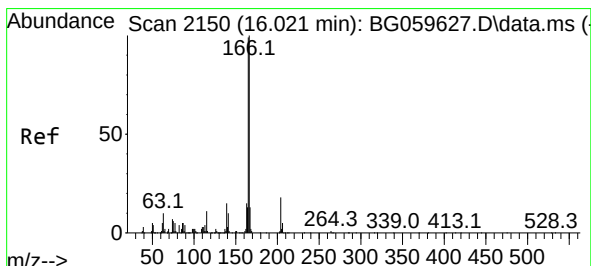
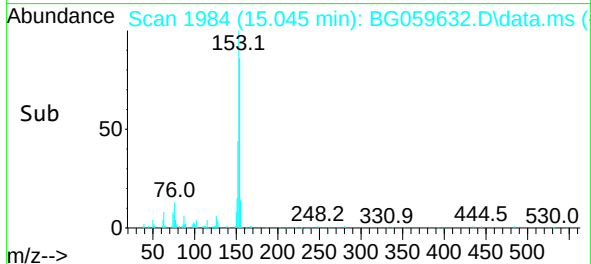
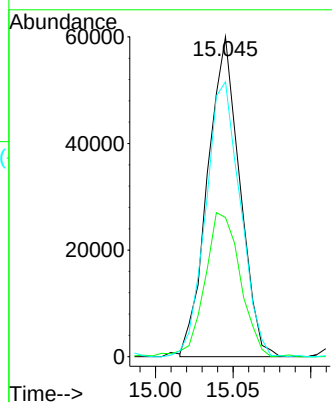
Instrument :
BNA_G
ClientSampleId :
DCKG9DL



Tgt Ion:153 Resp: 86512
Ion Ratio Lower Upper
153 100
152 43.5 39.4 59.0
154 85.9 70.7 106.1

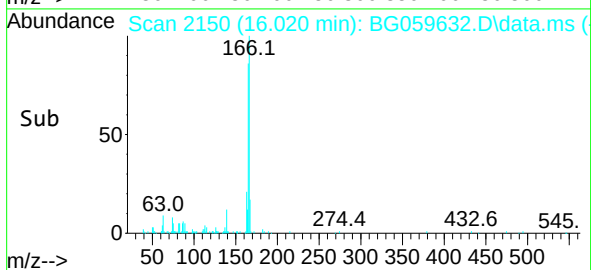
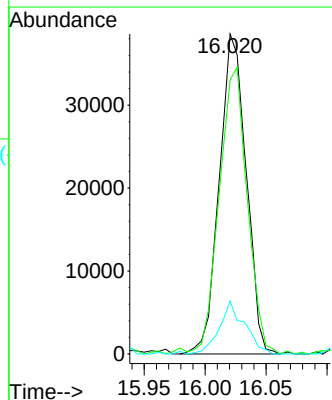
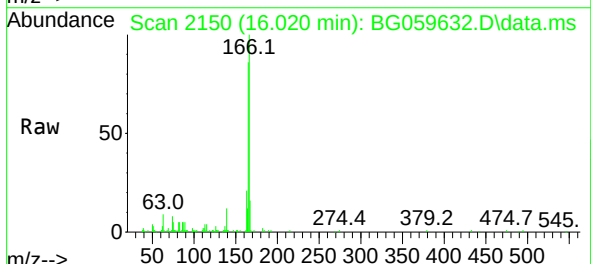
Manual Integrations
APPROVED

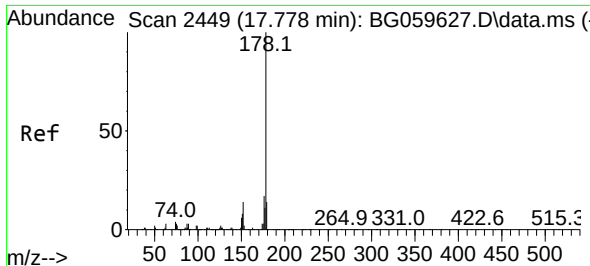
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



#61
Fluorene
Concen: 5.186 ng/ul
RT: 16.020 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

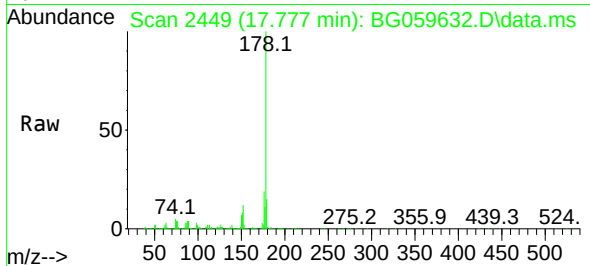
Tgt Ion:166 Resp: 59231
Ion Ratio Lower Upper
166 100
165 85.6 73.0 109.4
167 16.5 9.3 13.9#





#72
Phenanthrene
Concen: 26.182 ng/uI
RT: 17.777 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

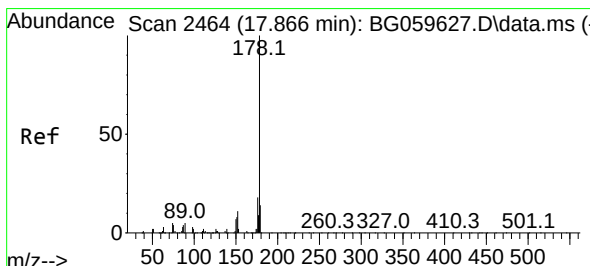
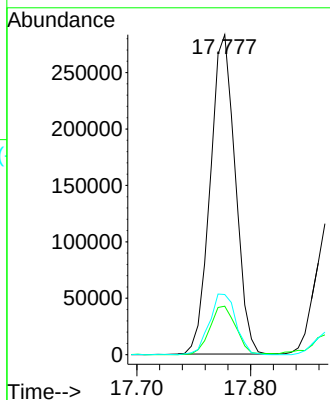
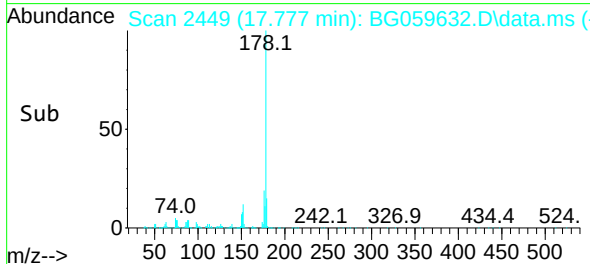
Instrument :
BNA_G
ClientSampleId :
DCKG9DL



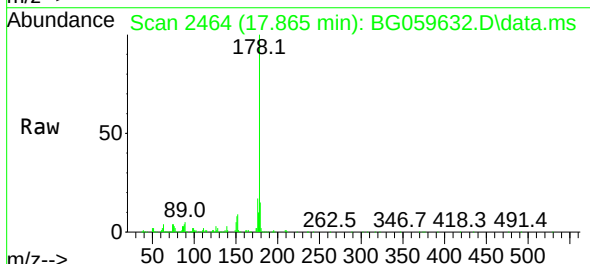
Tgt Ion:178 Resp: 431889
Ion Ratio Lower Upper
178 100
179 15.1 11.8 17.6
176 18.8 16.4 24.6

Manual Integrations
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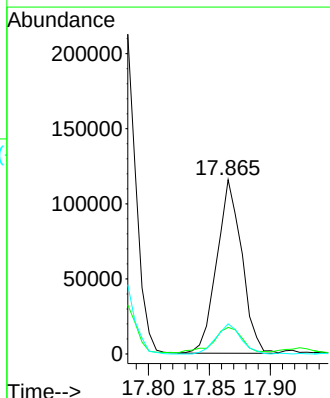
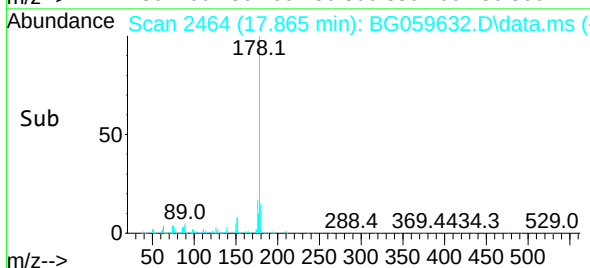
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

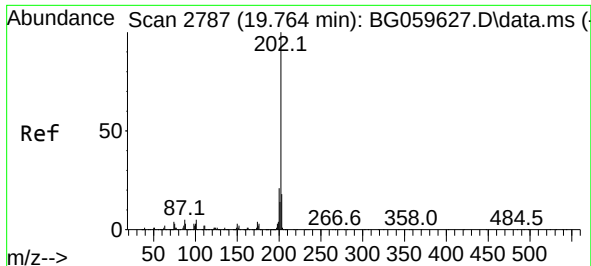


#74
Anthracene
Concen: 9.474 ng/uI
RT: 17.865 min Scan# 2464
Delta R.T. -0.005 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03



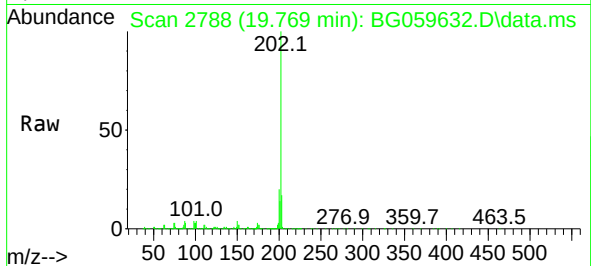
Tgt Ion:178 Resp: 165092
Ion Ratio Lower Upper
178 100
179 15.2 12.0 18.0
176 17.2 15.6 23.4





#80
Fluoranthene
Concen: 32.835 ng/u1
RT: 19.769 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

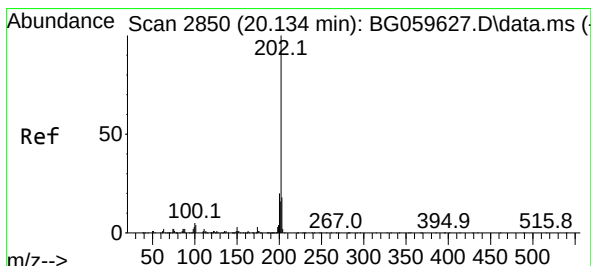
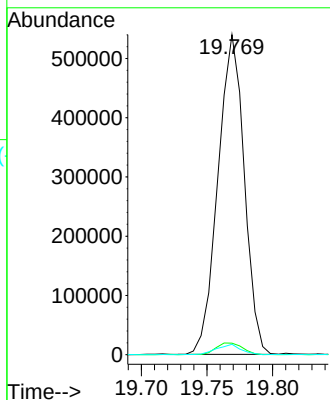
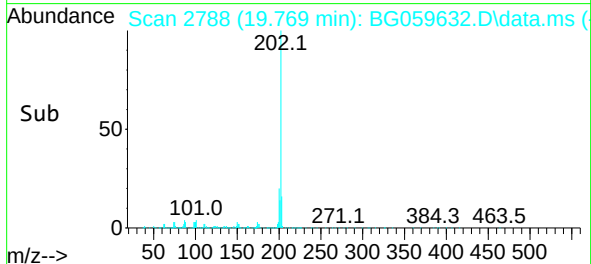
Instrument :
BNA_G
ClientSampleId :
DCKG9DL



Tgt Ion:202 Resp: 752360
Ion Ratio Lower Upper
202 100
101 3.6 4.6 7.0#
100 3.3 4.8 7.2#

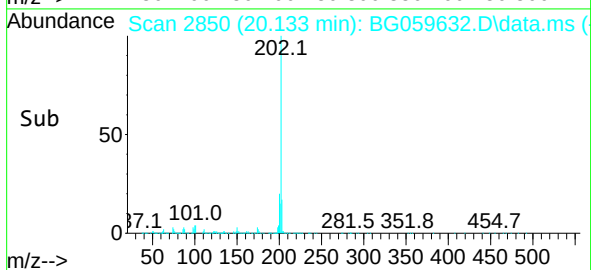
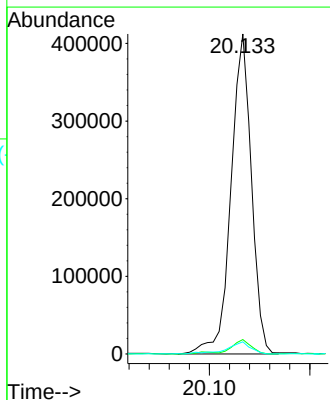
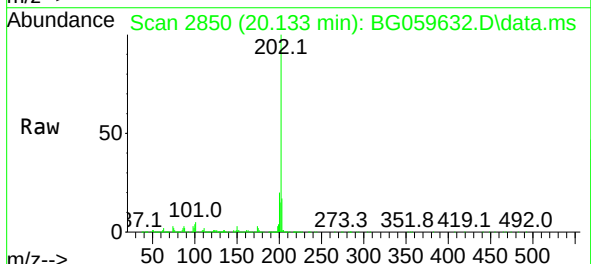
Manual Integrations
APPROVED

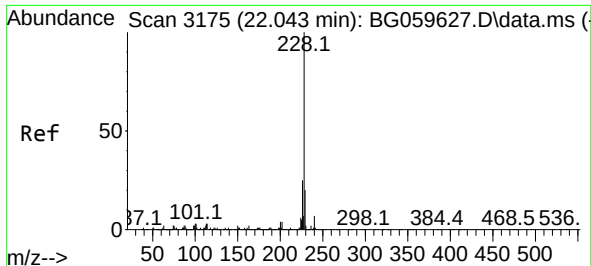
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



#82
Pyrene
Concen: 25.295 ng/u1
RT: 20.133 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

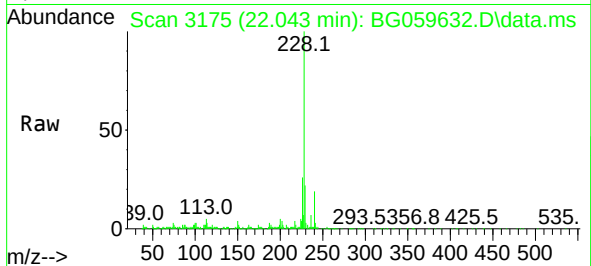
Tgt Ion:202 Resp: 583288
Ion Ratio Lower Upper
202 100
101 4.5 4.6 6.8#
100 3.8 5.1 7.7#





#85
Benzo(a)anthracene
Concen: 9.485 ng/u1
RT: 22.043 min Scan# 3175
Delta R.T. -0.005 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

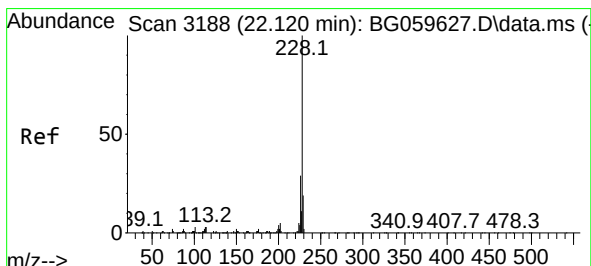
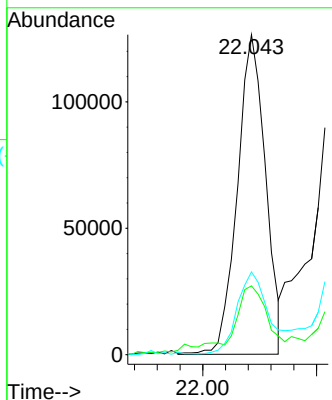
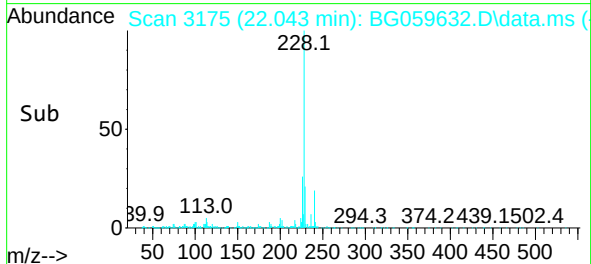
Instrument :
BNA_G
ClientSampleId :
DCKG9DL



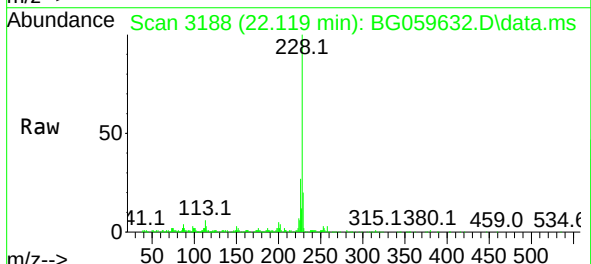
Tgt Ion:228 Resp: 217120
Ion Ratio Lower Upper
228 100
229 21.5 17.7 26.5
226 25.8 21.1 31.7

Manual Integrations
APPROVED

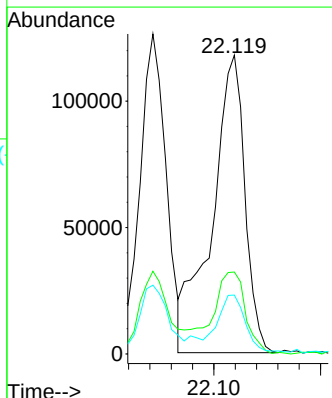
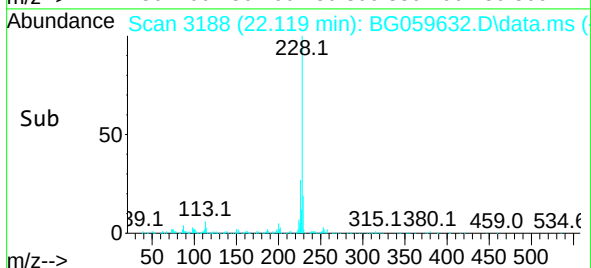
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

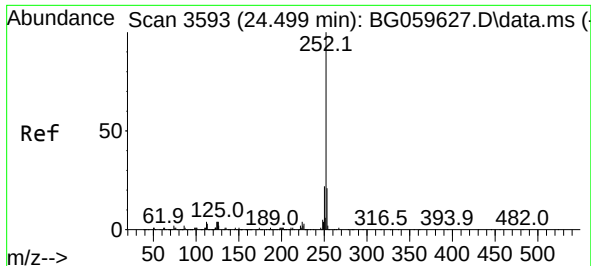


#87
Chrysene
Concen: 12.182 ng/u1
RT: 22.119 min Scan# 3188
Delta R.T. -0.005 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03



Tgt Ion:228 Resp: 253198
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 19.7 15.7 23.5





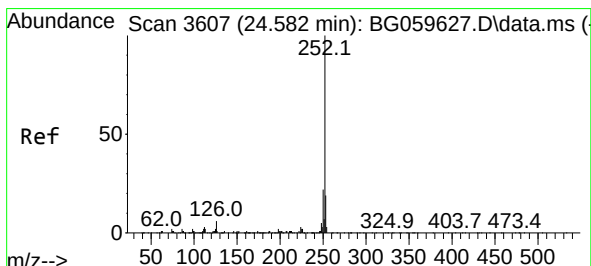
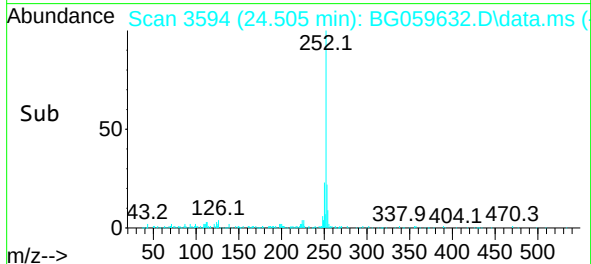
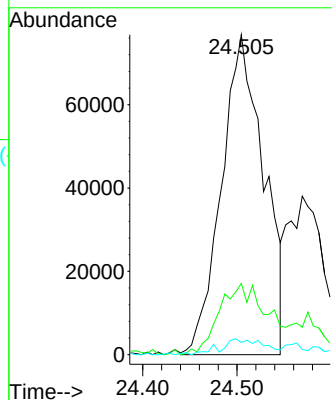
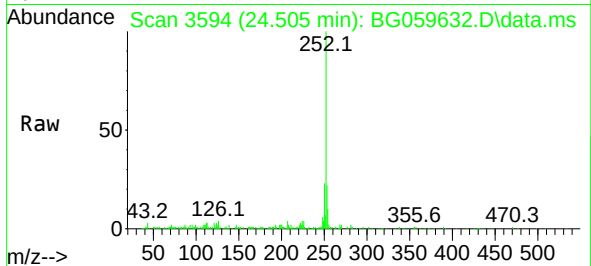
#90
Benzo(b)fluoranthene
Concen: 10.400 ng/ul m
RT: 24.505 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

Instrument :
BNA_G
ClientSampleId :
DCKG9DL

Tgt Ion:252 Resp: 24006
Ion Ratio Lower Upper
252 100
253 22.2 15.1 22.7
125 2.4 2.4 3.6

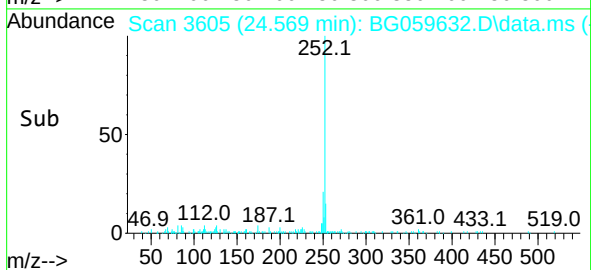
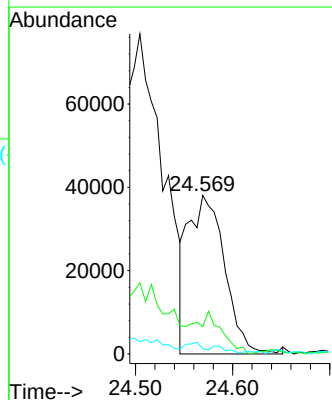
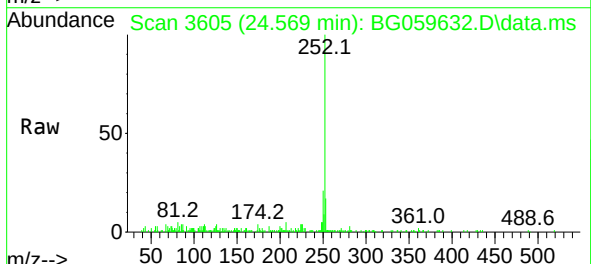
Manual Integrations
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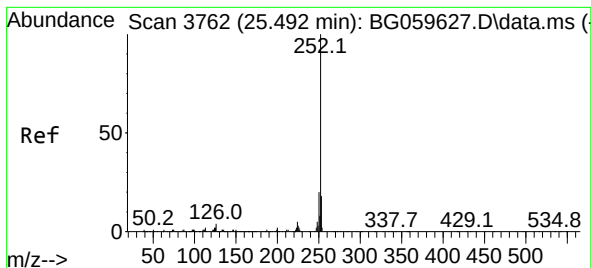
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



#91
Benzo(k)fluoranthene
Concen: 4.241 ng/ul m
RT: 24.569 min Scan# 3605
Delta R.T. -0.016 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

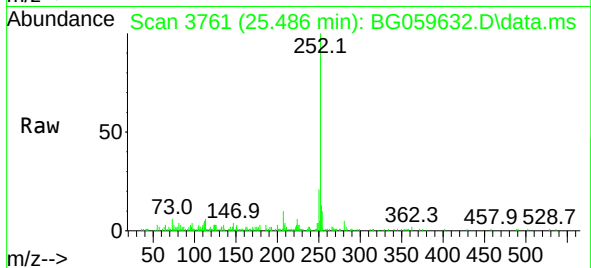
Tgt Ion:252 Resp: 99865
Ion Ratio Lower Upper
252 100
253 17.3 17.9 26.9#
125 3.3 4.1 6.1#





#93
Benzo(a)pyrene
Concen: 4.658 ng/ul m
RT: 25.486 min Scan# 31
Delta R.T. -0.022 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03

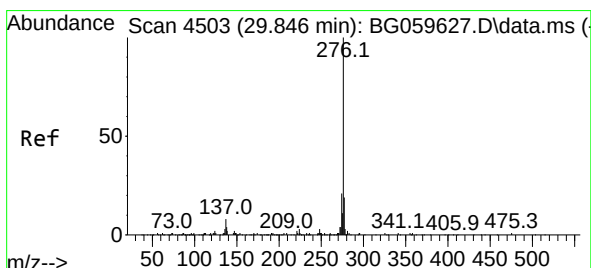
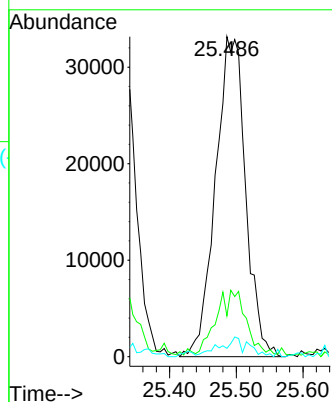
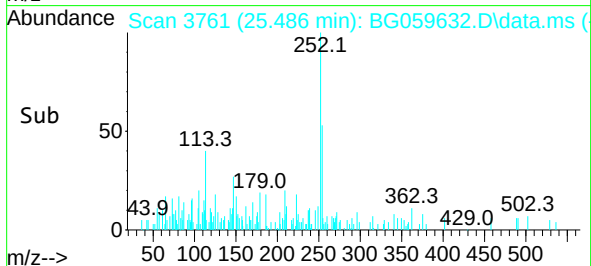
Instrument :
BNA_G
ClientSampleId :
DCKG9DL



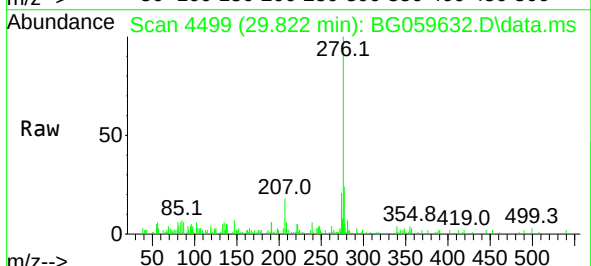
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Ion Ratio Lower Upper
252 100
253 12.8 14.9 22.3
125 2.6 3.8 5.8

Manual Integrations
APPROVED

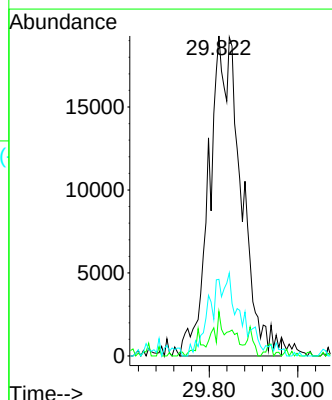
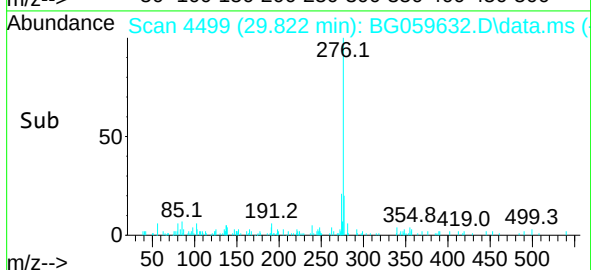
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

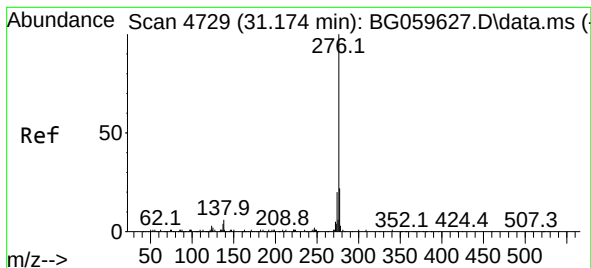


#94
Indeno(1,2,3-cd)pyrene
Concen: 3.411 ng/ul m
RT: 29.822 min Scan# 4499
Delta R.T. -0.034 min
Lab File: BG059632.D
Acq: 4 Nov 2023 22:03



Tgt Ion:276 Resp: 97346
Ion Ratio Lower Upper
276 100
138 5.2 5.4 8.2
277 23.9 18.5 27.7





#96

Benzo(g,h,i)perylene

Concen: 4.189 ng/ul m

RT: 31.167 min Scan# 4

Delta R.T. -0.028 min

Lab File: BG059632.D

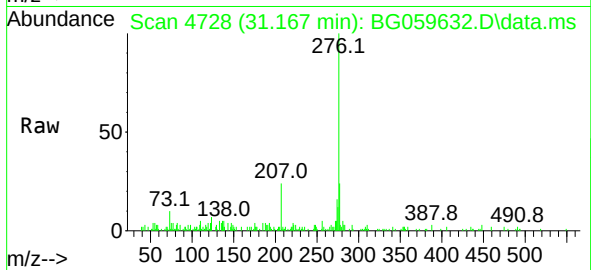
Acq: 4 Nov 2023 22:03

Instrument :

BNA_G

ClientSampleId :

DCKG9DL



Tgt Ion:276 Resp: 93850

Ion Ratio Lower Upper

276 100

138 4.8 4.6 6.8

277 24.1 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2023

Supervised By :mohammad ahmed 11/08/2023

