

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043371.D
 Acq On : 15 Dec 2023 23:13
 Operator : MA/JU
 Sample : 05794-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BH3Q7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 23:46:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	490613	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2182078	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1213419	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	2100534	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1265527	20.000	ng/u1	0.00
88) Perylene-d12	23.962	264	1397575	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	18203	1.206	ng/uL	0.00
4) Pyridine-d5	3.822	84	38799	0.893	ng/u1	0.02
7) Phenol-d5	7.151	99	385974	6.916	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	263888	7.466	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	303345	7.119	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	204388	4.719	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	153463	7.269	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	156802	7.188	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	292077	7.585	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	228084	4.026	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	869987	7.965	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	1046890	8.079	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	76618	3.706	ng/u1	0.00
60) Fluorene-d10	15.615	176	753262	8.339	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	49829	3.587	ng/u1	0.00
73) Anthracene-d10	17.462	188	998527	8.476	ng/u1	0.00
81) Pyrene-d10	19.750	212	894403	8.952	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	726760	8.427	ng/u1	0.00
Target Compounds						Qvalue
16) Acetophenone	8.828	105	230288	3.473	ng/u1	99
72) Phenanthrene	17.409	178	1502699	10.555	ng/u1	100
74) Anthracene	17.498	178	255277	1.777	ng/u1	99
77) Carbazole	17.774	167	124175	1.013	ng/u1	99
80) Fluoranthene	19.415	202	2083762	16.841	ng/u1	99
82) Pyrene	19.780	202	1732563	13.621	ng/u1	100
85) Benzo(a)anthracene	21.521	228	810290	7.657	ng/u1	98
87) Chrysene	21.580	228	740596	7.779	ng/u1	98
90) Benzo(b)fluoranthene	23.227	252	1021435	9.537	ng/u1	95
91) Benzo(k)fluoranthene	23.268	252	333752m	3.195	ng/u1	
93) Benzo(a)pyrene	23.850	252	687660	7.038	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.479	276	539901	4.627	ng/u1	98
95) Dibenzo(a,h)anthracene	26.497	278	138987	1.439	ng/u1#	94
96) Benzo(g,h,i)perylene	27.250	276	282663	3.091	ng/u1	99

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

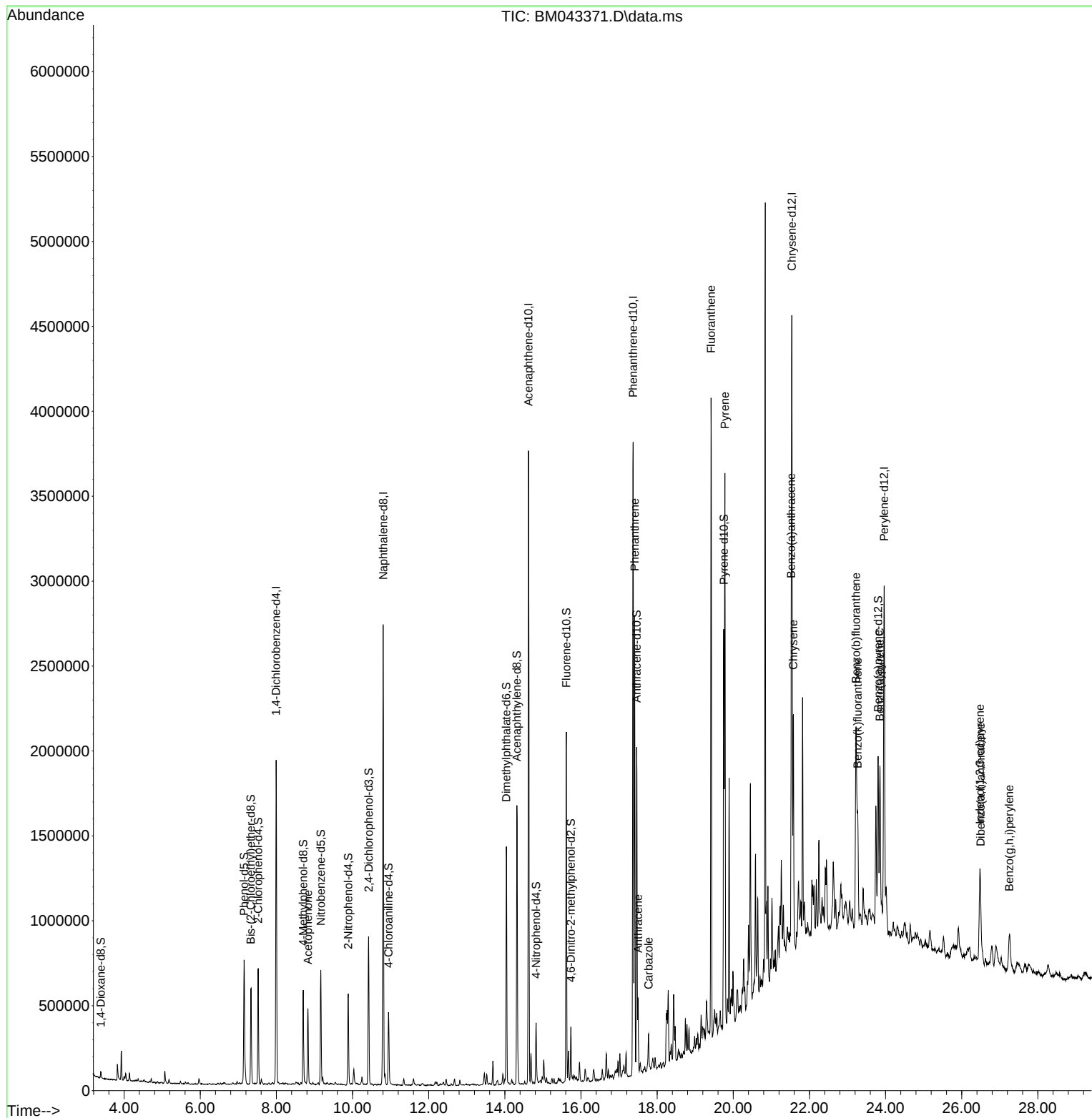
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
Data File : BM043371.D
Acq On : 15 Dec 2023 23:13
Operator : MA/JU
Sample : 05794-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

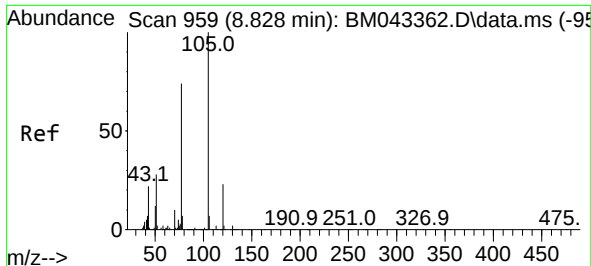
Instrument :
BNA_M
ClientSampleId :
BH3Q7

Quant Time: Dec 15 23:46:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 22:09:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

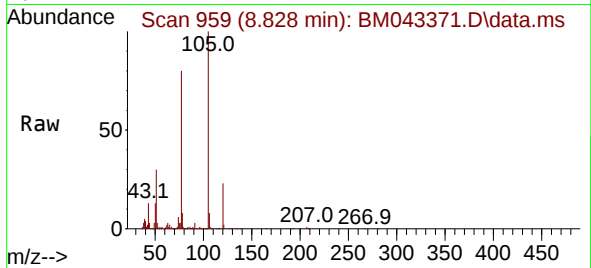
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023





#16
Acetophenone
Concen: 3.473 ng/ul
RT: 8.828 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

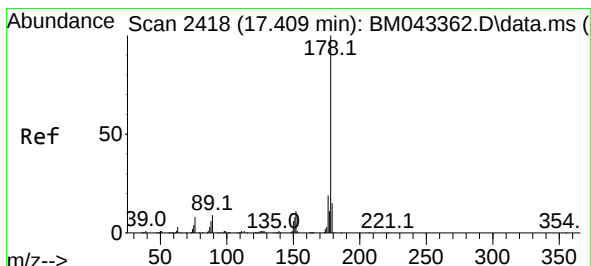
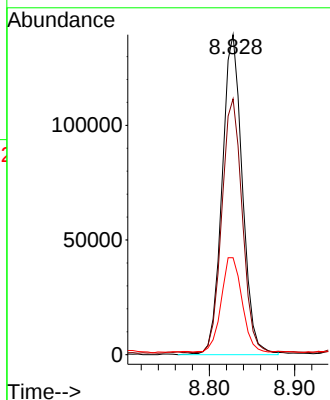
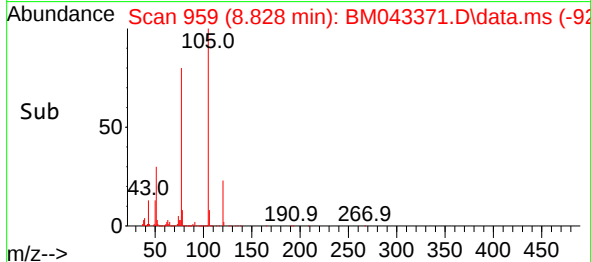
Instrument :
BNA_M
ClientSampleId :
BH3Q7



Tgt Ion:105 Resp: 230288
Ion Ratio Lower Upper
105 100
77 80.0 65.1 97.7
51 30.3 24.3 36.5

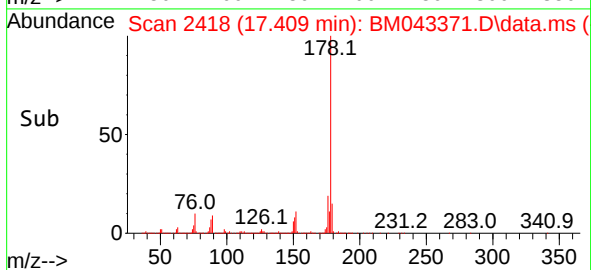
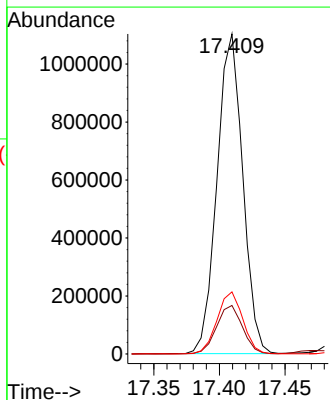
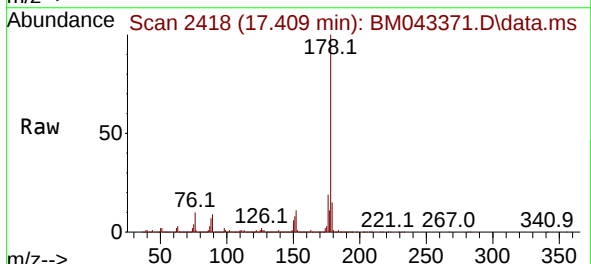
Manual Integrations
APPROVED

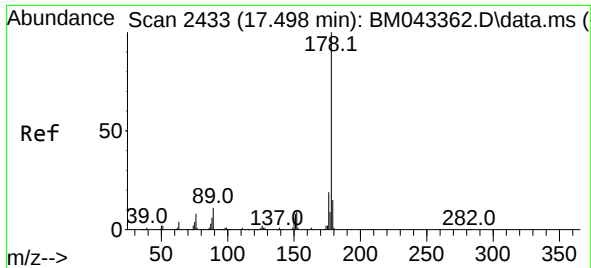
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#72
Phenanthrene
Concen: 10.555 ng/ul
RT: 17.409 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

Tgt Ion:178 Resp: 1502699
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 19.4 15.5 23.3





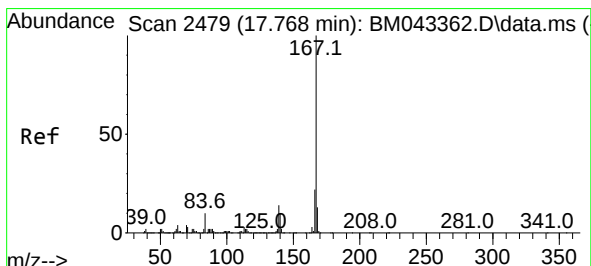
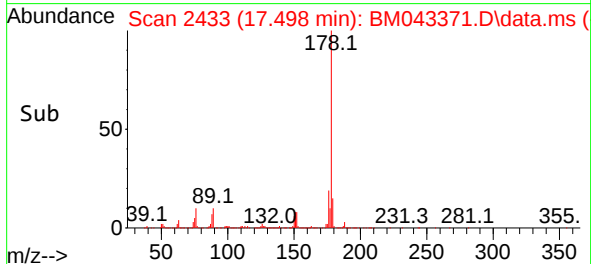
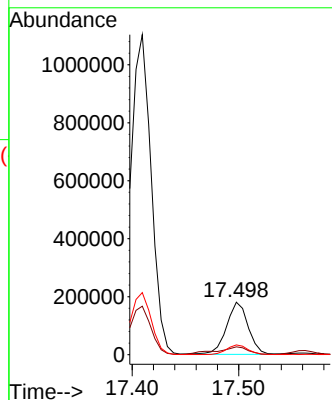
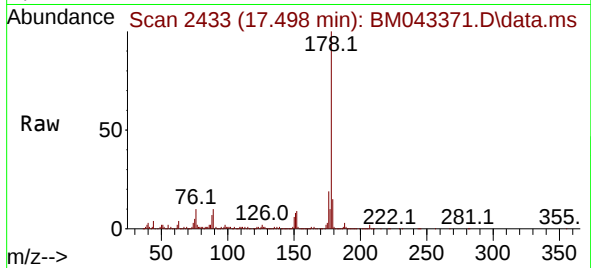
#74
 Anthracene
 Concen: 1.777 ng/ul
 RT: 17.498 min Scan# 2433
 Delta R.T. 0.000 min
 Lab File: BM043371.D
 Acq: 15 Dec 2023 23:13

Instrument :
 BNA_M
 ClientSampleId :
 BH3Q7

Tgt Ion:178 Resp: 25527
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.4 18.6
 176 18.5 15.2 22.8

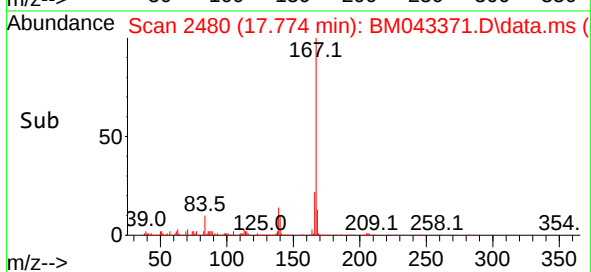
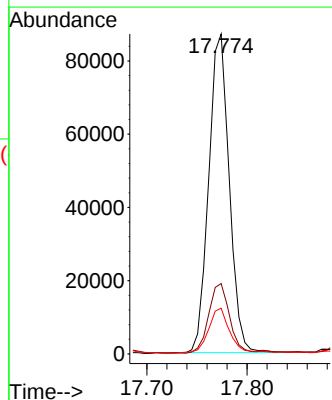
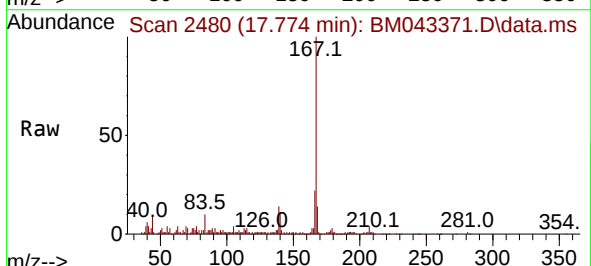
Manual Integrations
 APPROVED

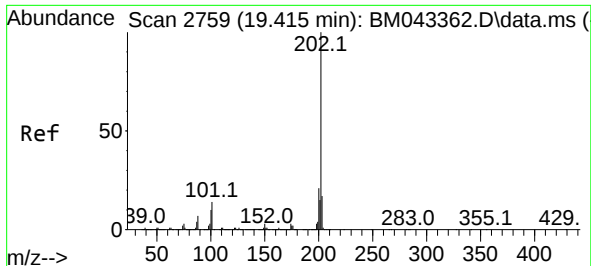
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023



#77
 Carbazole
 Concen: 1.013 ng/ul
 RT: 17.774 min Scan# 2480
 Delta R.T. 0.000 min
 Lab File: BM043371.D
 Acq: 15 Dec 2023 23:13

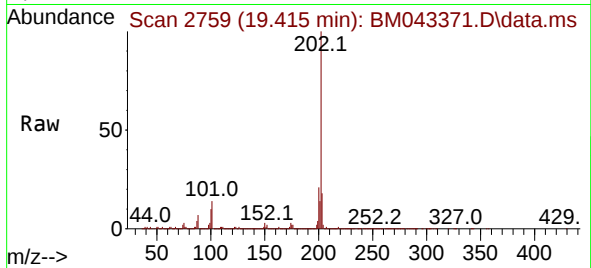
Tgt Ion:167 Resp: 124175
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 14.3 10.7 16.1





#80
Fluoranthene
Concen: 16.841 ng/u1
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

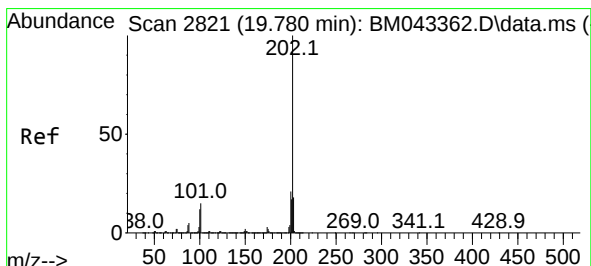
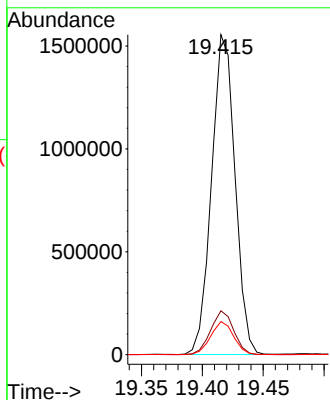
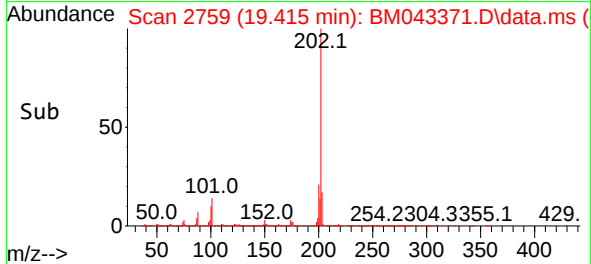
Instrument :
BNA_M
ClientSampleId :
BH3Q7



Tgt Ion:202 Resp: 2083762
Ion Ratio Lower Upper
202 100
101 13.7 11.4 17.0
100 10.3 8.2 12.4

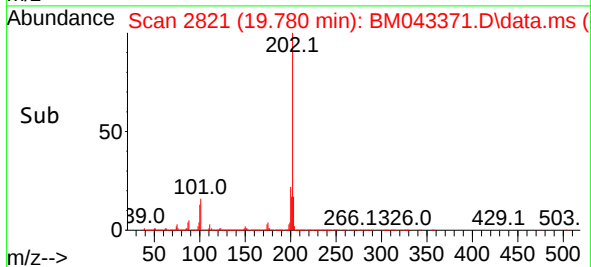
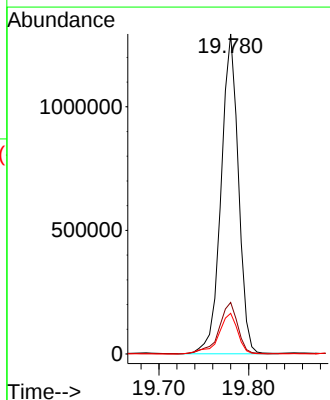
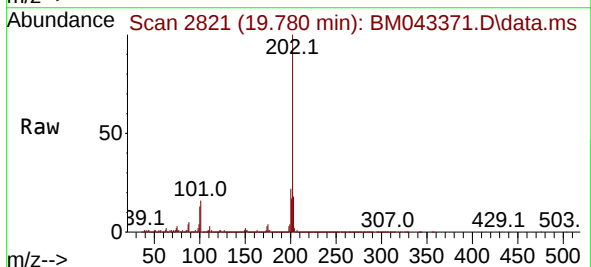
Manual Integrations
APPROVED

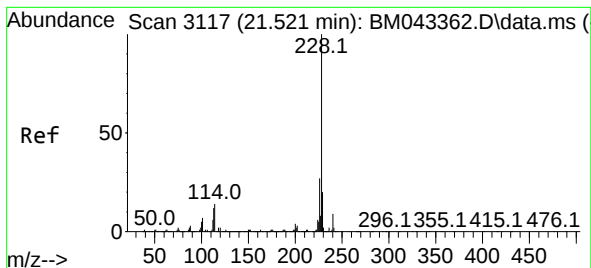
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#82
Pyrene
Concen: 13.621 ng/u1
RT: 19.780 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

Tgt Ion:202 Resp: 1732563
Ion Ratio Lower Upper
202 100
101 16.1 12.7 19.1
100 12.7 10.1 15.1





#85

Benzo(a)anthracene

Concen: 7.657 ng/uI

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

Instrument :

BNM

ClientSampleId :

BH3Q7

Tgt Ion:228 Resp: 810290

Ion Ratio Lower Upper

228 100

229 21.3 15.6 23.4

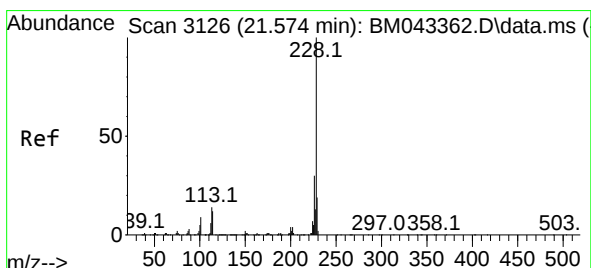
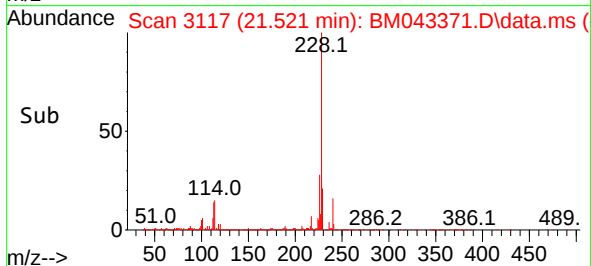
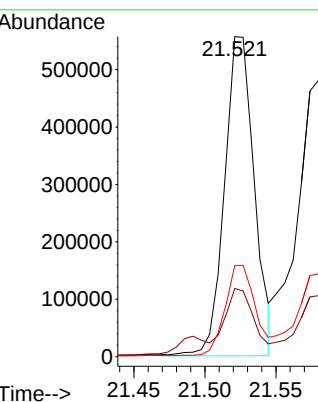
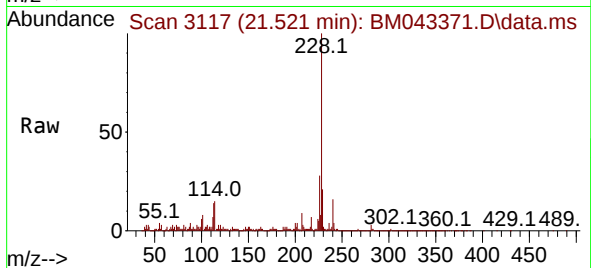
226 28.5 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#87

Chrysene

Concen: 7.779 ng/uI

RT: 21.580 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

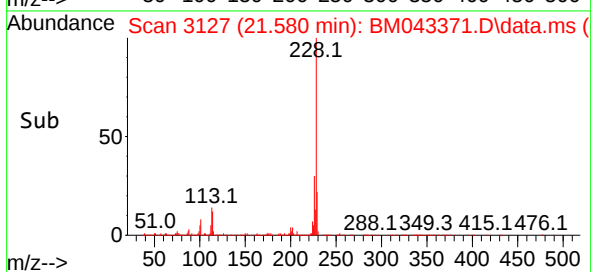
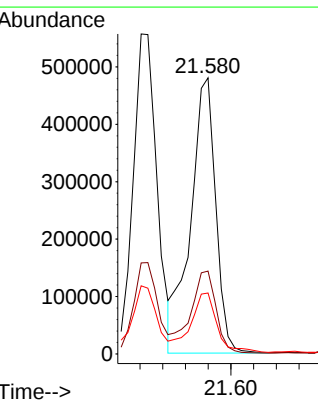
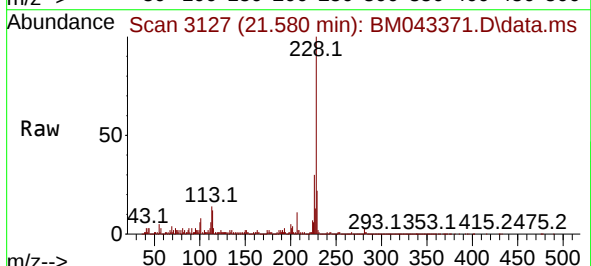
Tgt Ion:228 Resp: 740596

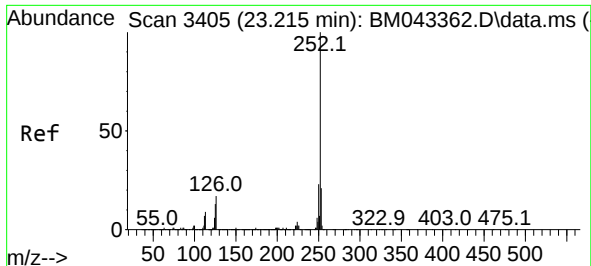
Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

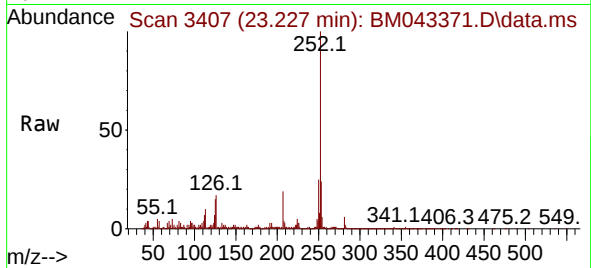
229 22.1 15.9 23.9





#90
Benzo(b)fluoranthene
Concen: 9.537 ng/ul
RT: 23.227 min Scan# 3407
Delta R.T. 0.006 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

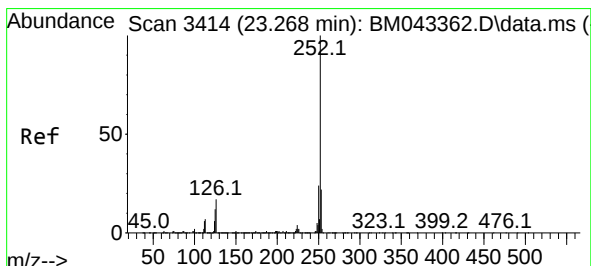
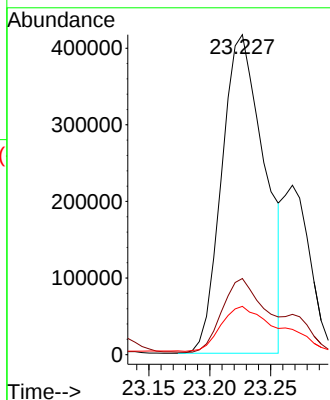
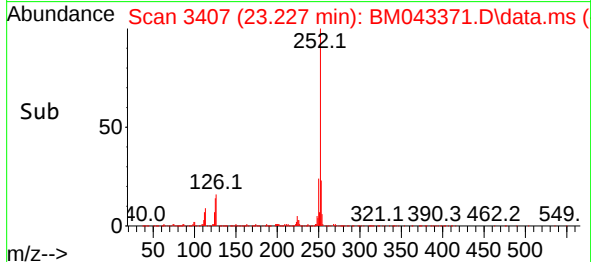
Instrument :
BNA_M
ClientSampleId :
BH3Q7



Tgt Ion:252 Resp: 102143
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 15.1 10.4 15.6

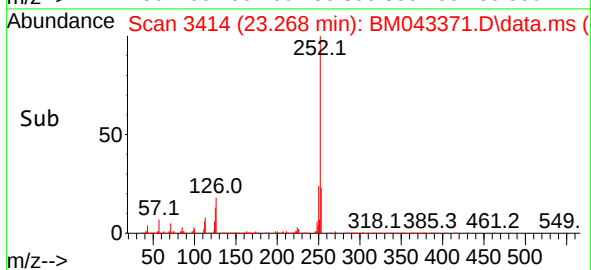
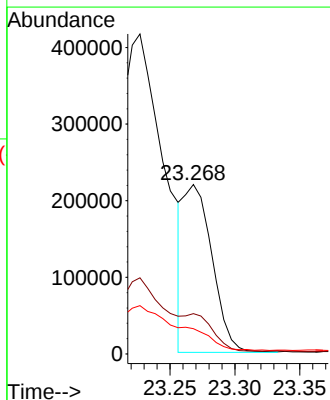
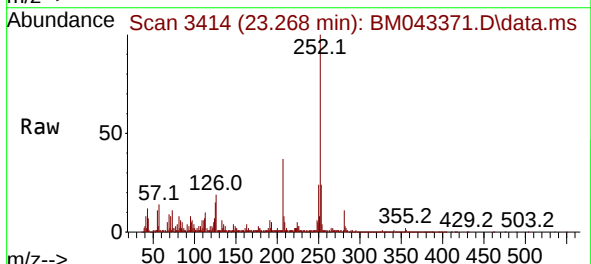
Manual Integrations
APPROVED

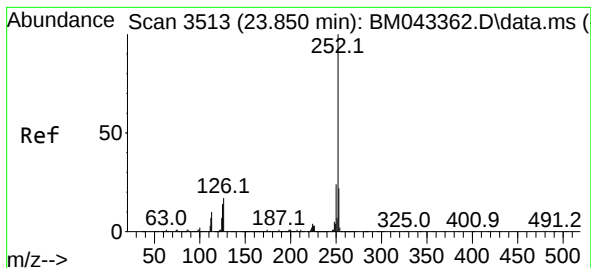
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#91
Benzo(k)fluoranthene
Concen: 3.195 ng/ul m
RT: 23.268 min Scan# 3414
Delta R.T. 0.000 min
Lab File: BM043371.D
Acq: 15 Dec 2023 23:13

Tgt Ion:252 Resp: 333752
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 14.9 10.2 15.4





#93

Benzo(a)pyrene

Concen: 7.038 ng/ul

RT: 23.850 min Scan# 3513

Delta R.T. 0.000 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

Instrument :

BNA_M

ClientSampleId :

BH3Q7

Tgt Ion:252 Resp: 687660

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

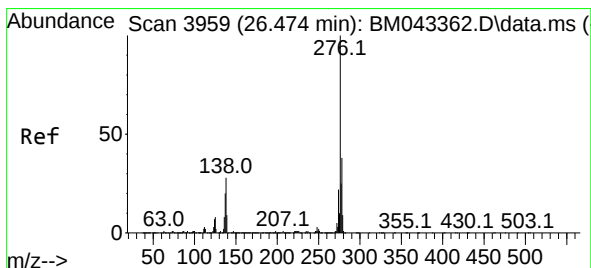
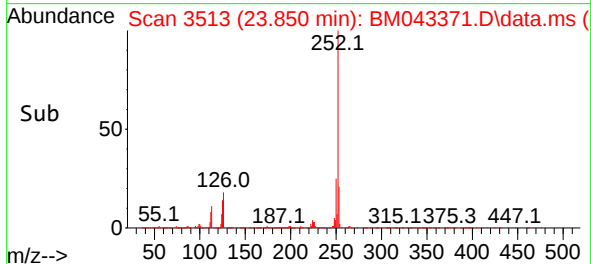
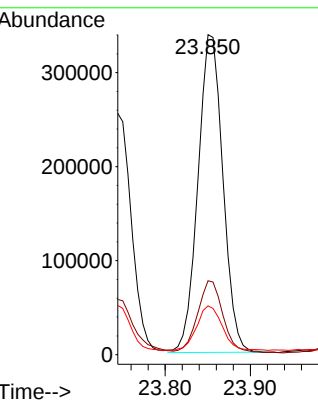
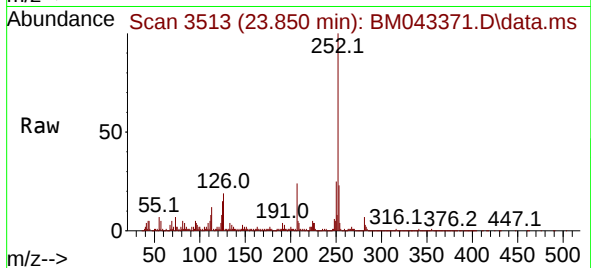
125 15.2 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.627 ng/ul

RT: 26.479 min Scan# 3960

Delta R.T. 0.000 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

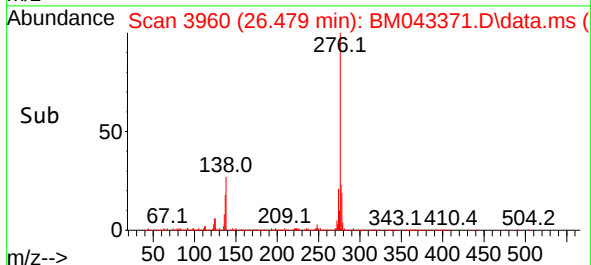
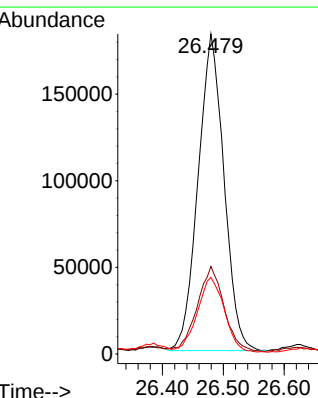
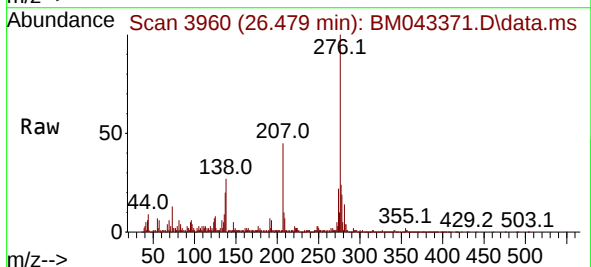
Tgt Ion:276 Resp: 539901

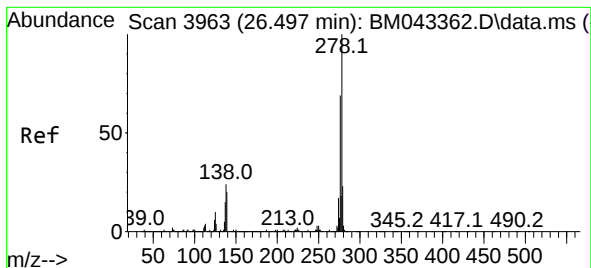
Ion Ratio Lower Upper

276 100

138 27.4 22.6 34.0

277 23.9 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.439 ng/ul

RT: 26.497 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

Instrument :

BNA_M

ClientSampleId :

BH3Q7

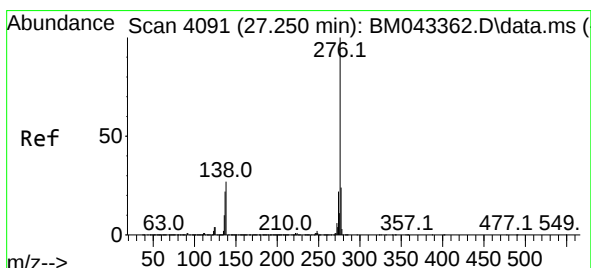
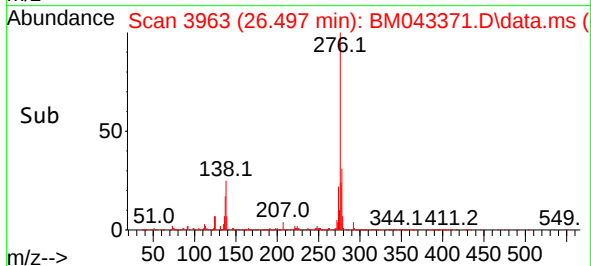
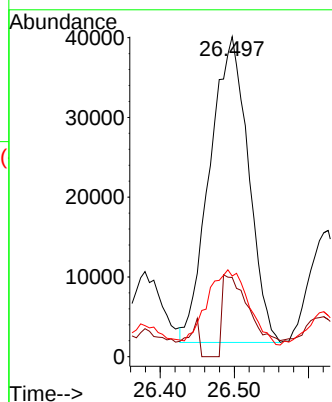
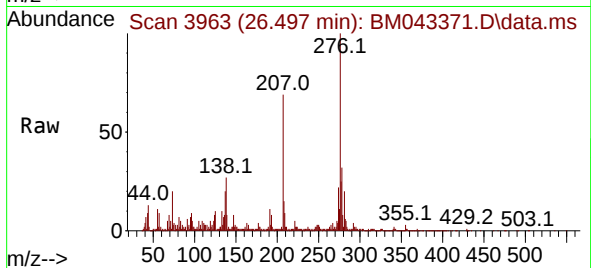
Tgt Ion:	278	Resp:	13898
Ion Ratio	Lower	Upper	
278	100		
139	24.7	16.0	24.0
279	25.2	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#96

Benzo(g,h,i)perylene

Concen: 3.091 ng/ul

RT: 27.250 min Scan# 4091

Delta R.T. 0.000 min

Lab File: BM043371.D

Acq: 15 Dec 2023 23:13

Tgt Ion:	276	Resp:	282663
Ion Ratio	Lower	Upper	
276	100		
138	27.4	22.4	33.6
277	24.2	19.1	28.7

