

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043391.D
 Acq On : 18 Dec 2023 13:53
 Operator : MA/JU
 Sample : 05626-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 01:11:22 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	7.993	152	429176	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1814975	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	931180	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1606832	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	1176863	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	1326011	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	58120	4.401	ng/uL	0.00
4) Pyridine-d5	3.805	84	906120	23.842	ng/u1	0.00
7) Phenol-d5	7.151	99	1284939	26.319	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	820366	26.532	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	980733	26.309	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	1011406	26.696	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	499647	28.453	ng/u1	0.00
24) 2-Nitrophenol-d4	9.887	143	520917	28.710	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	863094	26.947	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1240282	26.321	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2391994	28.535	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	2944000	29.606	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	407908	25.710	ng/u1	0.00
60) Fluorene-d10	15.616	176	2013293	29.045	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	244092	22.969	ng/u1	0.00
73) Anthracene-d10	17.468	188	2625894	29.139	ng/u1	0.00
81) Pyrene-d10	19.756	212	2649920	28.521	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	2461504	30.081	ng/u1	0.01
Target Compounds					Qvalue	
50) Acenaphthylene	14.351	152	144922	1.269	ng/u1	99
74) Anthracene	17.504	178	207396	1.887	ng/u1	98
80) Fluoranthene	19.421	202	184963	1.608	ng/u1	98
82) Pyrene	19.780	202	216026	1.826	ng/u1	97
85) Benzo(a)anthracene	21.527	228	148776m	1.512	ng/u1	
87) Chrysene	21.580	228	278645	3.147	ng/u1	98
90) Benzo(b)fluoranthene	23.233	252	583025	5.738	ng/u1	97
91) Benzo(k)fluoranthene	23.274	252	220916m	2.229	ng/u1	
93) Benzo(a)pyrene	23.862	252	363789	3.924	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.491	276	384275	3.471	ng/u1	99
96) Benzo(g,h,i)perylene	27.274	276	339475	3.912	ng/u1	99

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

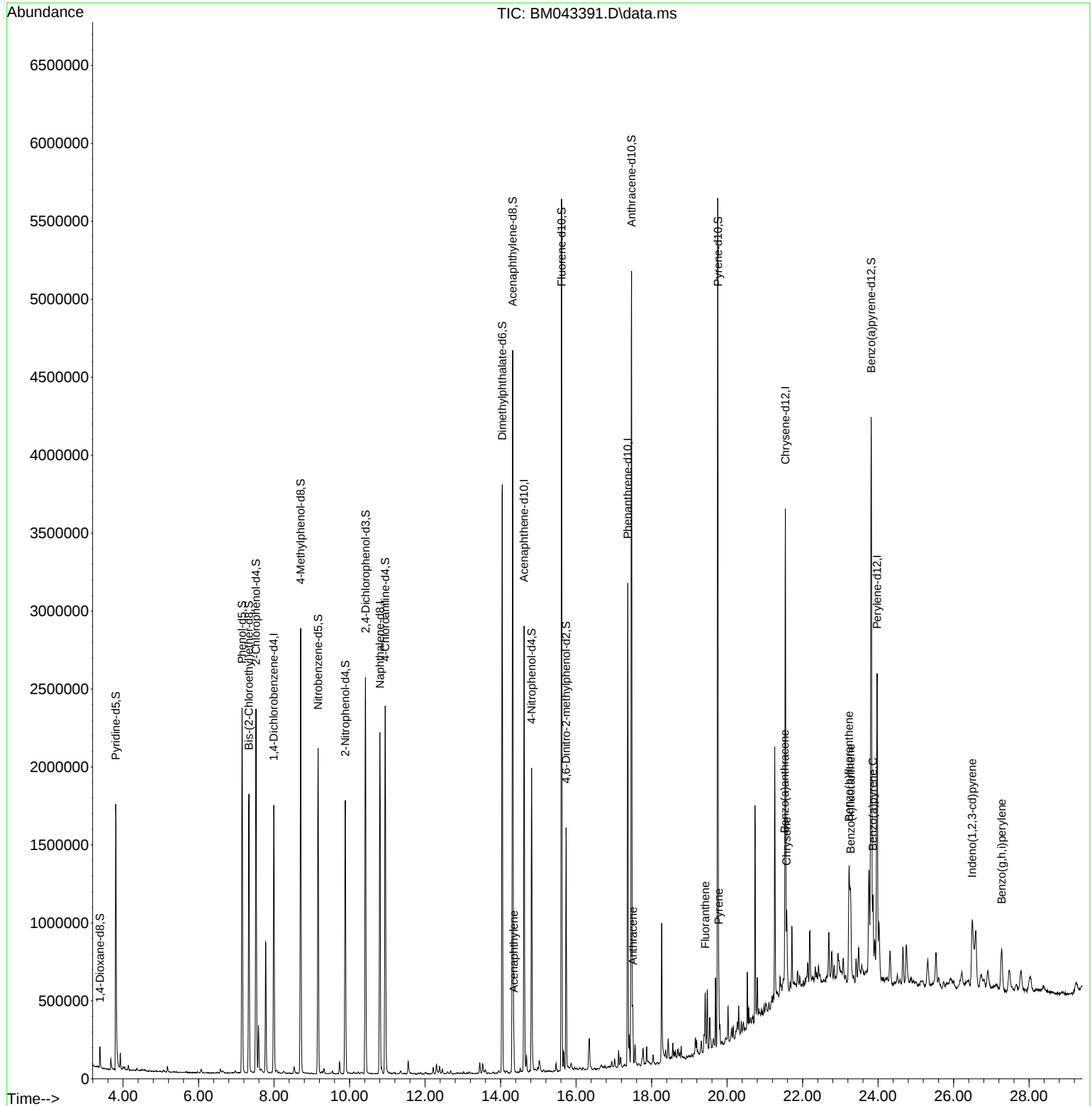
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
Data File : BM043391.D
Acq On : 18 Dec 2023 13:53
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Sample : 05626-04
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ALS Vial : 9 Sample Multiplier: 1

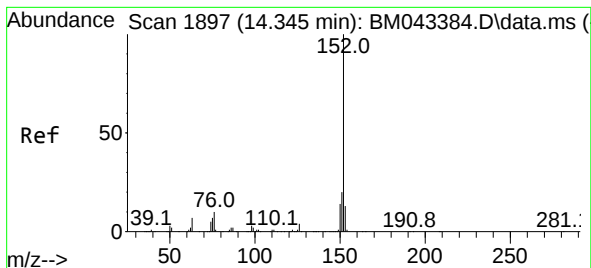
Instrument :
BNA_M
ClientSampleId :
DCLF2

Quant Time: Dec 19 01:11:22 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

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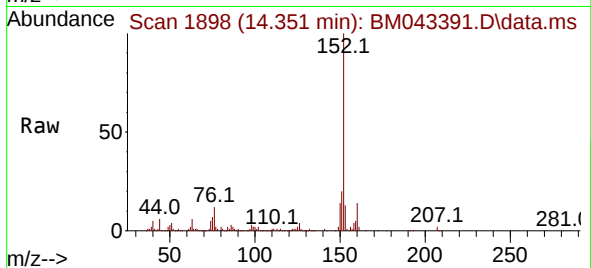
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023





#50
Acenaphthylene
Concen: 1.269 ng/ul
RT: 14.351 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

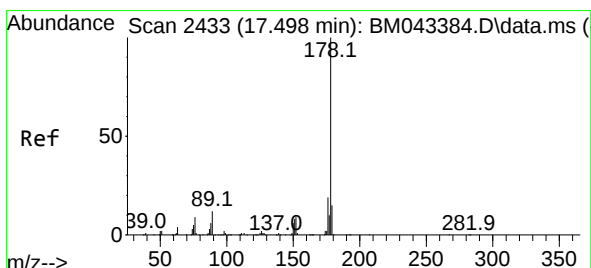
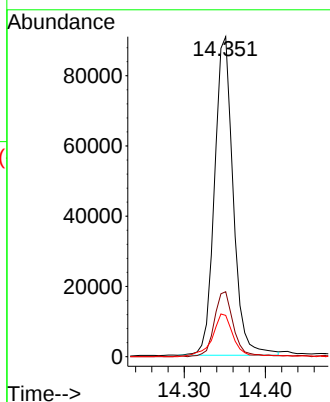
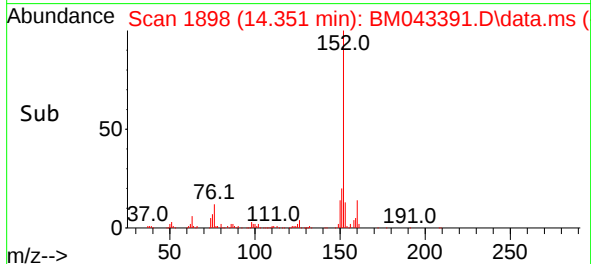
Instrument :
BNA_M
ClientSampleId :
DCLF2



Tgt Ion:152 Resp: 14492
Ion Ratio Lower Upper
152 100
151 20.3 15.6 23.4
153 12.9 10.2 15.4

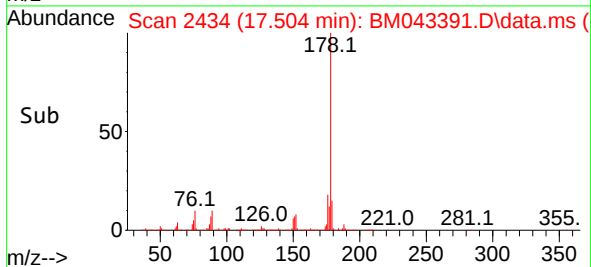
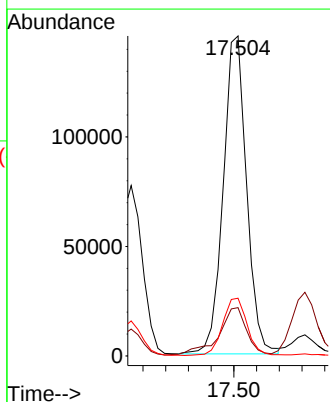
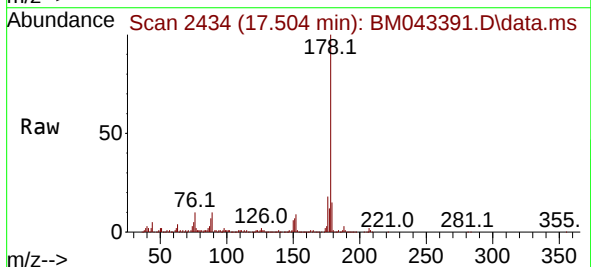
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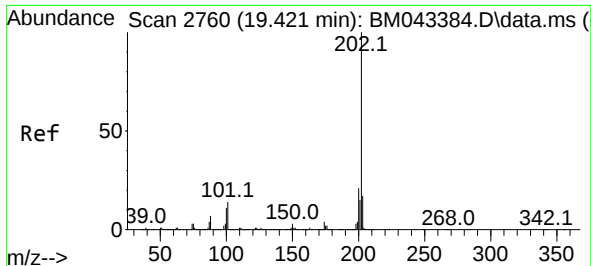
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 1.887 ng/ul
RT: 17.504 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

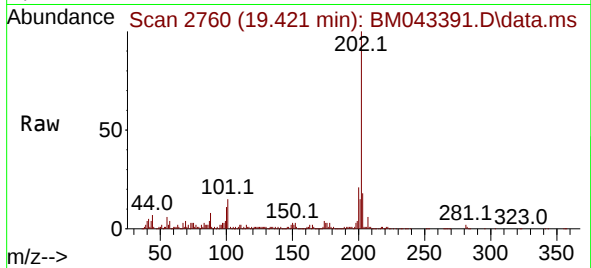
Tgt Ion:178 Resp: 207396
Ion Ratio Lower Upper
178 100
179 15.1 12.4 18.6
176 18.0 15.2 22.8





#80
Fluoranthene
Concen: 1.608 ng/ul
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

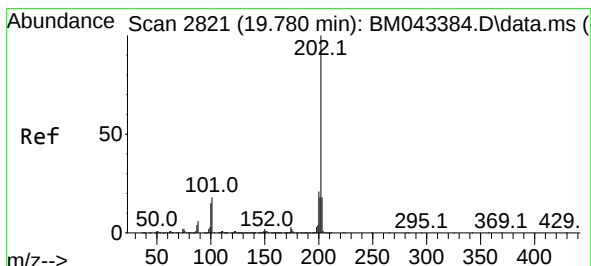
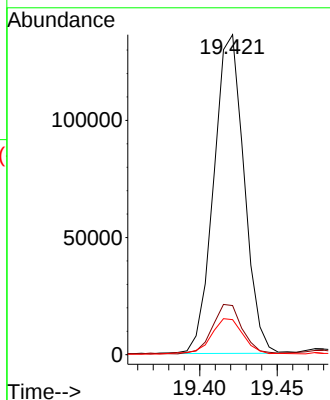
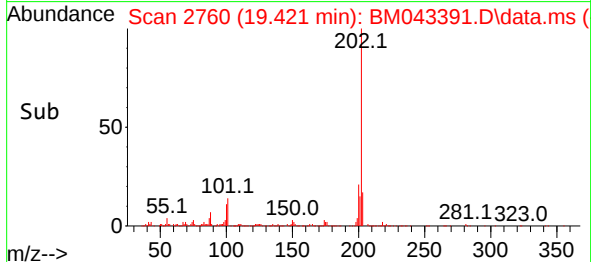
Instrument :
BNA_M
ClientSampleId :
DCLF2



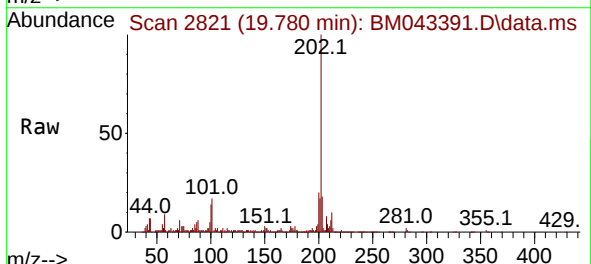
Tgt Ion:202 Resp: 18496
Ion Ratio Lower Upper
202 100
101 15.3 11.4 17.0
100 10.9 8.2 12.4

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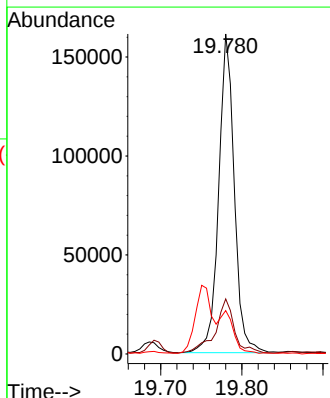
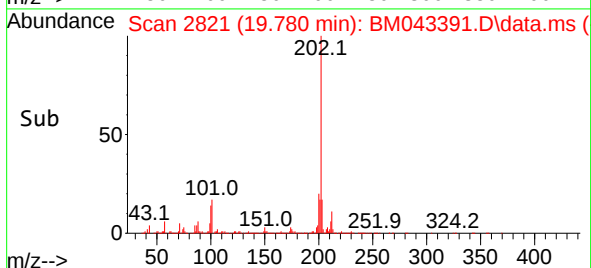
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

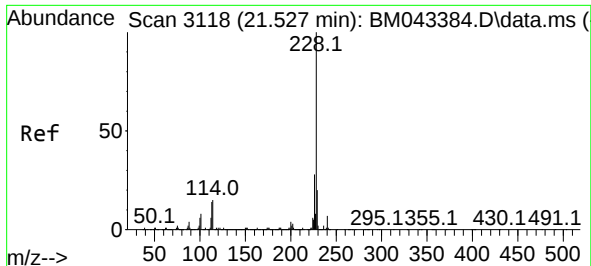


#82
Pyrene
Concen: 1.826 ng/ul
RT: 19.780 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53



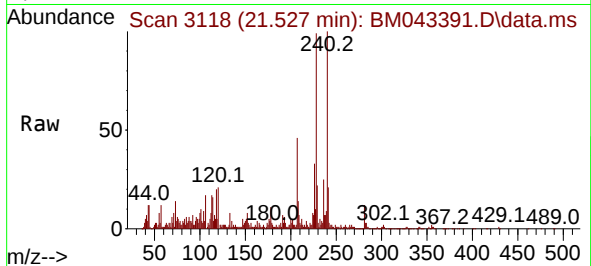
Tgt Ion:202 Resp: 216026
Ion Ratio Lower Upper
202 100
101 17.2 12.7 19.1
100 13.6 10.1 15.1





#85
Benzo(a)anthracene
Concen: 1.512 ng/ul m
RT: 21.527 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

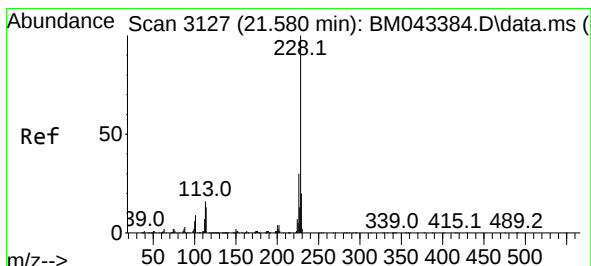
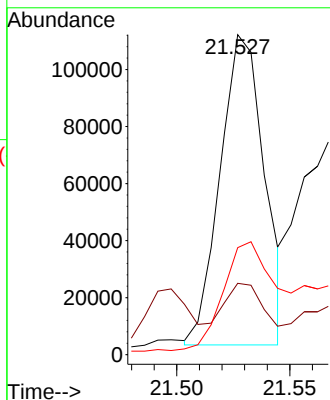
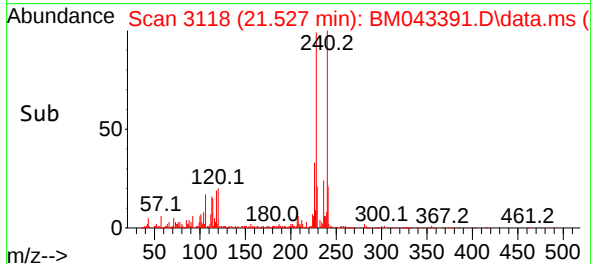
Instrument :
BNA_M
ClientSampleId :
DCLF2



Tgt Ion:228 Resp: 148770
Ion Ratio Lower Upper
228 100
229 22.3 15.6 23.4
226 33.4 22.2 33.2

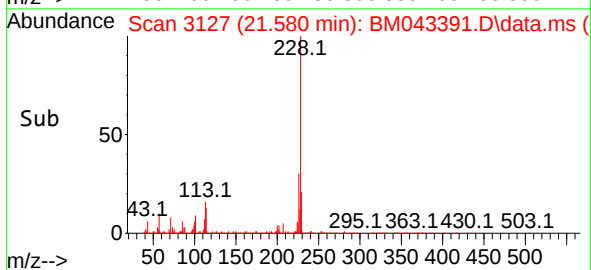
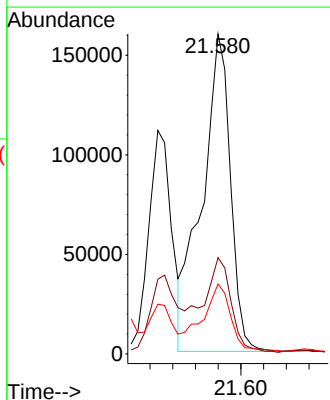
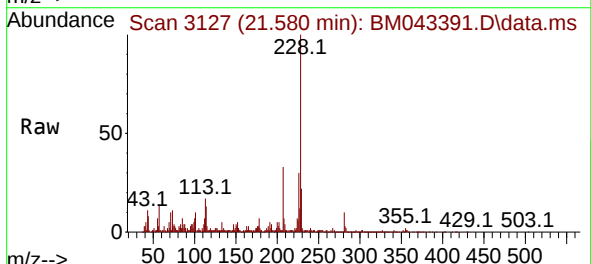
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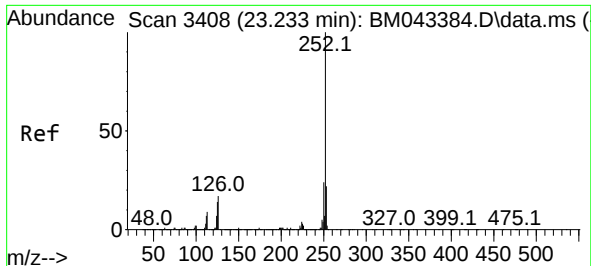
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#87
Chrysene
Concen: 3.147 ng/ul
RT: 21.580 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

Tgt Ion:228 Resp: 278645
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 21.9 15.9 23.9





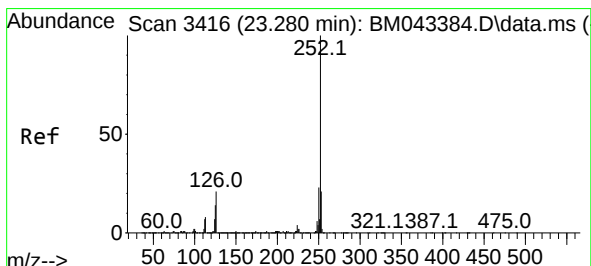
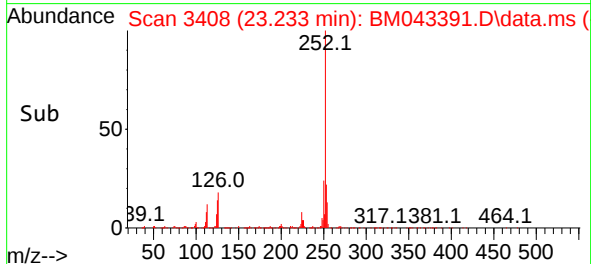
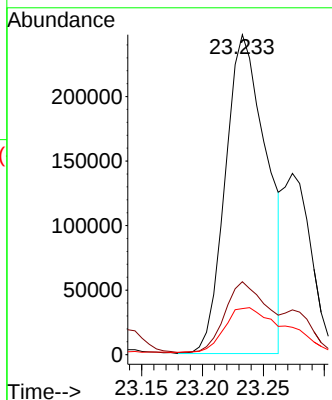
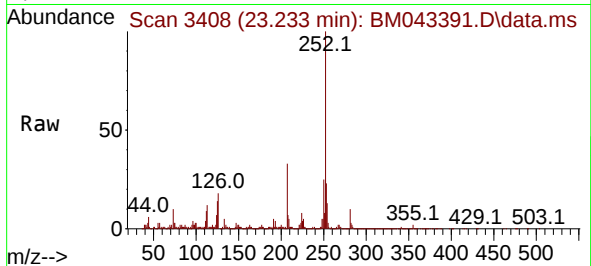
#90
Benzo(b)fluoranthene
Concen: 5.738 ng/ul
RT: 23.233 min Scan# 3408
Delta R.T. 0.012 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

Instrument :
BNA_M
ClientSampleId :
DCLF2

Tgt Ion:252 Resp: 58302
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 14.4 10.4 15.6

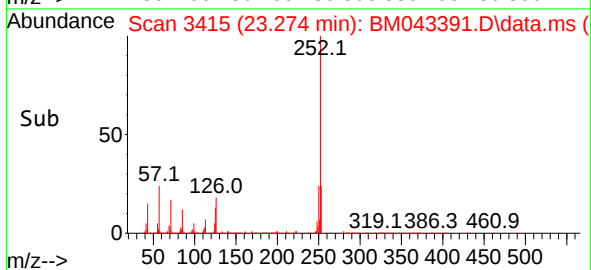
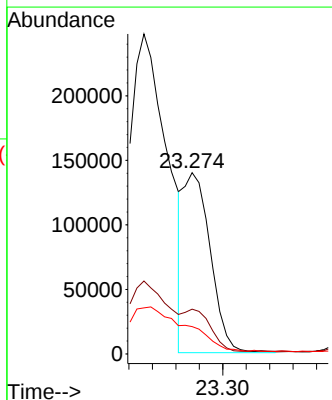
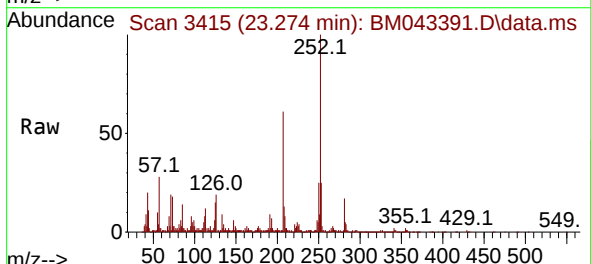
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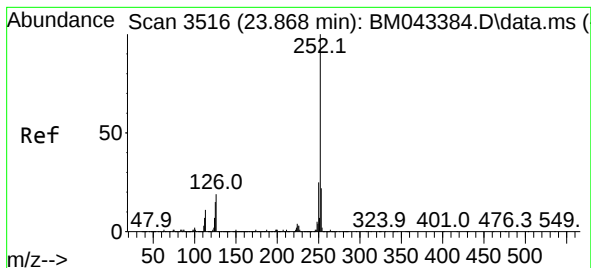
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 2.229 ng/ul m
RT: 23.274 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

Tgt Ion:252 Resp: 220916
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 15.1 10.2 15.4





#93

Benzo(a)pyrene

Concen: 3.924 ng/ul

RT: 23.862 min Scan# 3516

Delta R.T. 0.012 min

Lab File: BM043391.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA_M

ClientSampleId :

DCLF2

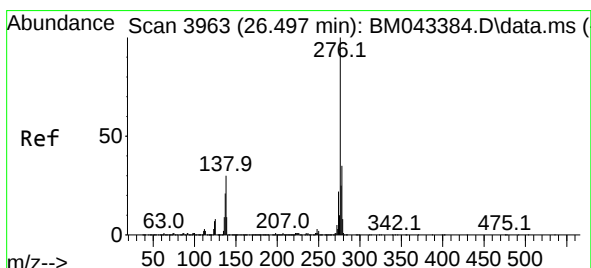
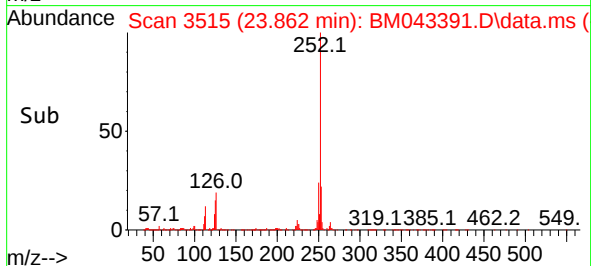
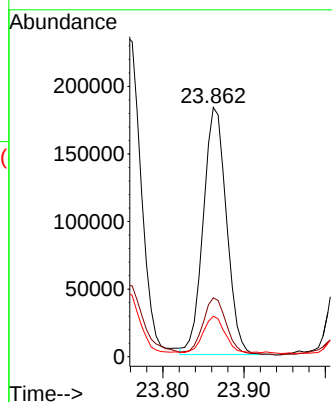
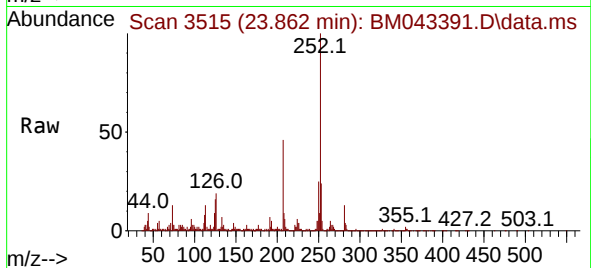
Tgt Ion:	252	Resp:	363789
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	16.2	11.4	17.2

Manual Integrations

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Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.471 ng/ul

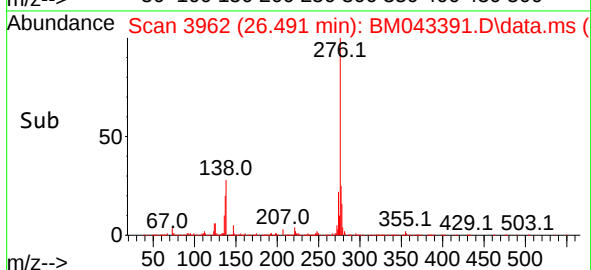
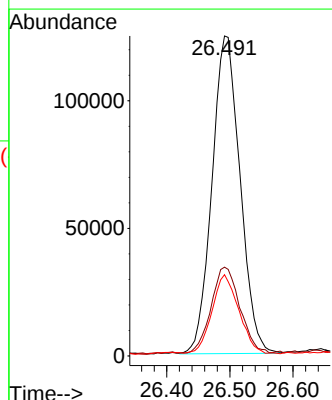
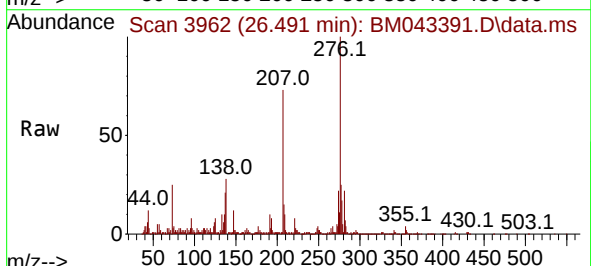
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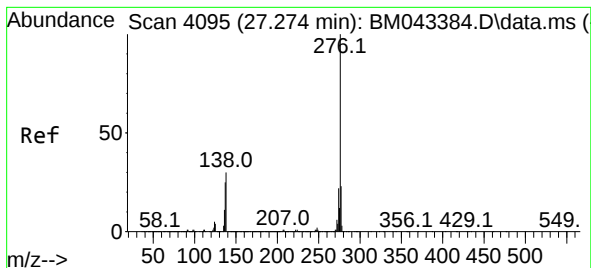
Delta R.T. 0.012 min

Lab File: BM043391.D

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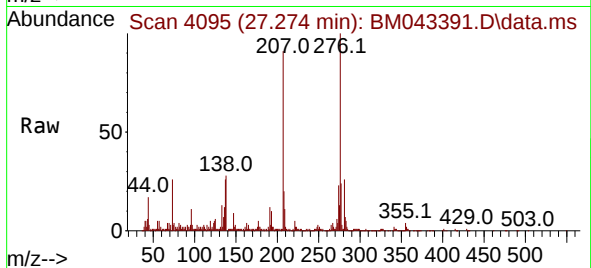
Tgt Ion:	276	Resp:	384275
Ion Ratio	Lower	Upper	
276	100		
138	27.8	22.6	34.0
277	25.4	19.7	29.5





#96
Benzo(g,h,i)perylene
Concen: 3.912 ng/ul
RT: 27.274 min Scan# 4095
Delta R.T. 0.024 min
Lab File: BM043391.D
Acq: 18 Dec 2023 13:53

Instrument :
BNA_M
ClientSampleId :
DCLF2



Tgt Ion:276 Resp: 339475
Ion Ratio Lower Upper
276 100
138 28.5 22.4 33.6
277 23.9 19.1 28.7

Manual Integrations
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