

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043392.D
 Acq On : 18 Dec 2023 14:29
 Operator : MA/JU
 Sample : 05626-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF5

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 01:13:36 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	624238	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2638135	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1335472	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	2252575	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	1595450	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	1799977	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	64769	3.372	ng/uL	0.00
4) Pyridine-d5	3.804	84	933178	16.881	ng/u1	0.00
7) Phenol-d5	7.151	99	1393734	19.627	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	875523	19.468	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1047341	19.317	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	1092100	19.819	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	533345	20.896	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	563334	21.360	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	934251	20.067	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1318653	19.253	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2529631	21.042	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	3110028	21.807	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	403846	17.748	ng/u1	0.00
60) Fluorene-d10	15.615	176	2089795	21.022	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	246873	16.571	ng/u1	0.00
73) Anthracene-d10	17.468	188	2674493	21.171	ng/u1	0.00
81) Pyrene-d10	19.756	212	2608709	20.711	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	2380866	21.435	ng/u1	0.01
Target Compounds						
					Qvalue	
36) 2-Methylnaphthalene	12.457	142	246331	2.152	ng/u1	99
37) 1-Methylnaphthalene	12.674	142	221472	1.919	ng/u1	98
50) Acenaphthylene	14.345	152	229730	1.403	ng/u1	98
52) Acenaphthene	14.686	153	2244429	20.794	ng/u1	98
61) Fluorene	15.668	166	2047742	17.195	ng/u1	99
72) Phenanthrene	17.415	178	5931488	38.851	ng/u1	99
74) Anthracene	17.504	178	1389374	9.017	ng/u1	100
80) Fluoranthene	19.421	202	3068844	19.674	ng/u1	99
82) Pyrene	19.786	202	2777558	17.321	ng/u1	100
85) Benzo(a)anthracene	21.527	228	462274	3.465	ng/u1	95
87) Chrysene	21.580	228	816806	6.806	ng/u1	98
90) Benzo(b)fluoranthene	23.233	252	1684146	12.210	ng/u1	97
91) Benzo(k)fluoranthene	23.280	252	395849m	2.942	ng/u1	
93) Benzo(a)pyrene	23.862	252	657827	5.227	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.491	276	543358	3.616	ng/u1	97
95) Dibenzo(a,h)anthracene	26.515	278	130924	1.052	ng/u1#	89
96) Benzo(g,h,i)perylene	27.273	276	458146	3.889	ng/u1	99

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

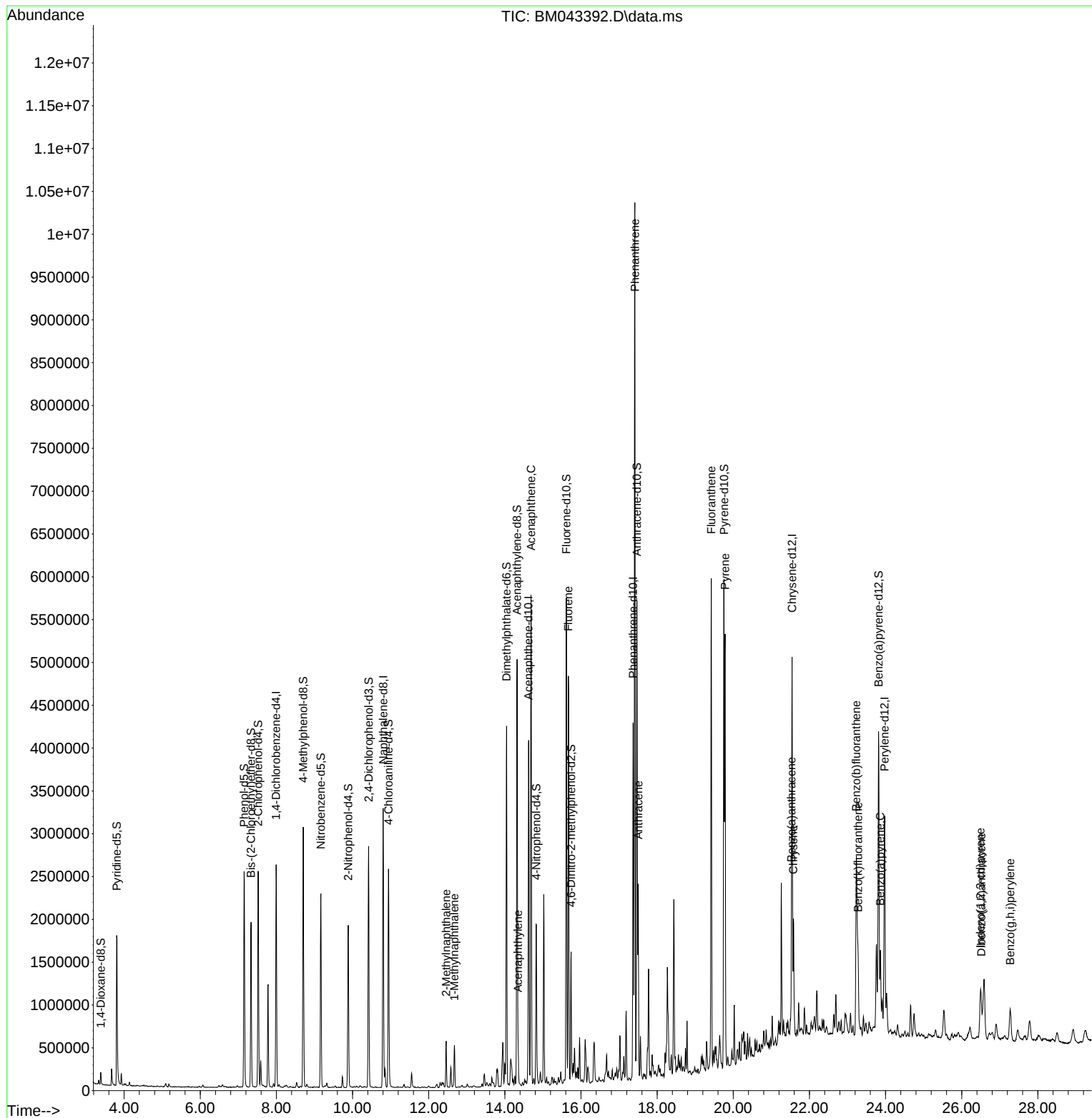
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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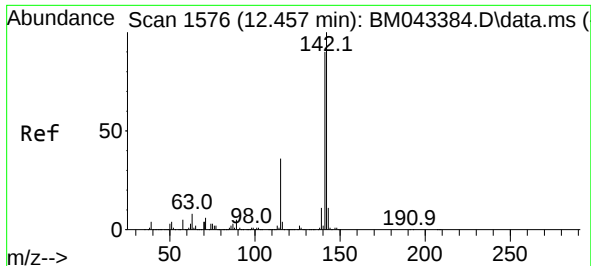
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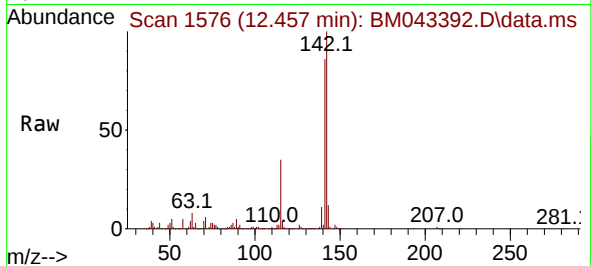
Quant Time: Dec 19 01:13:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
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#36
2-Methylnaphthalene
Concen: 2.152 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

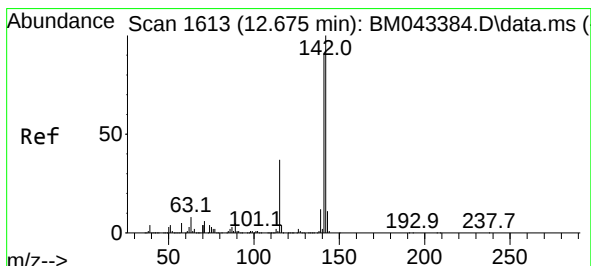
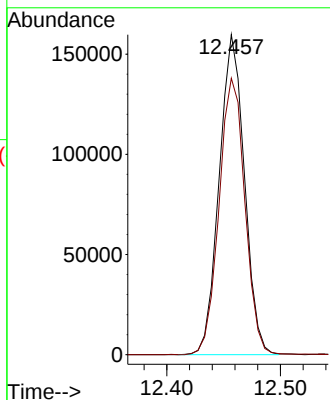
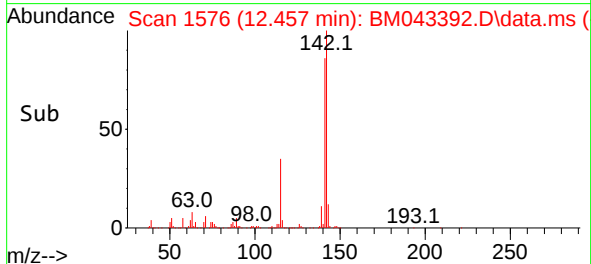
Instrument :
BNA_M
ClientSampleId :
DCLF5



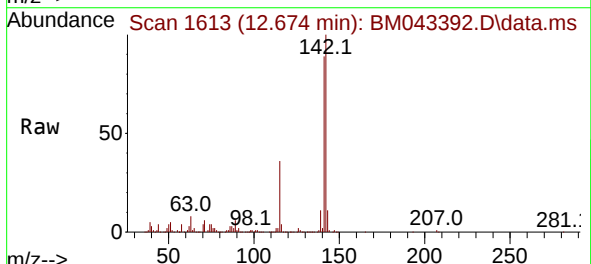
Tgt Ion:142 Resp: 24633
Ion Ratio Lower Upper
142 100
141 86.4 69.9 104.9

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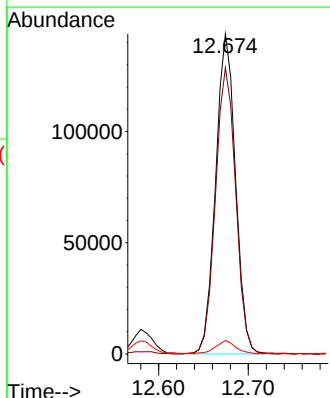
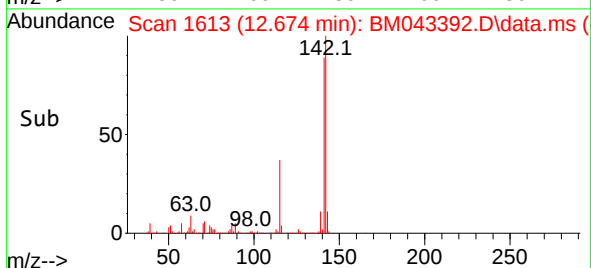
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

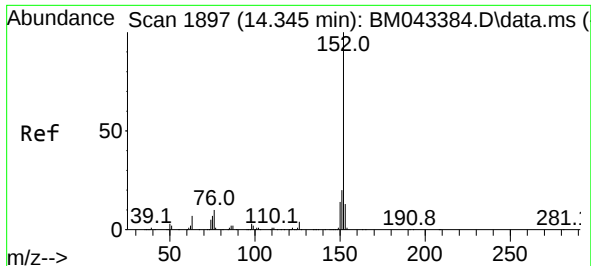


#37
1-Methylnaphthalene
Concen: 1.919 ng/ul
RT: 12.674 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29



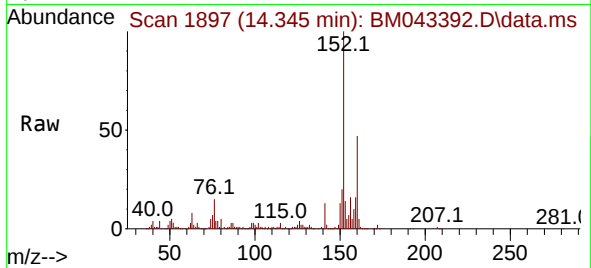
Tgt Ion:142 Resp: 221472
Ion Ratio Lower Upper
142 100
141 89.5 73.0 109.4
116 4.2 3.0 4.6





#50
Acenaphthylene
Concen: 1.403 ng/ul
RT: 14.345 min Scan# 1897
Delta R.T. -0.006 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

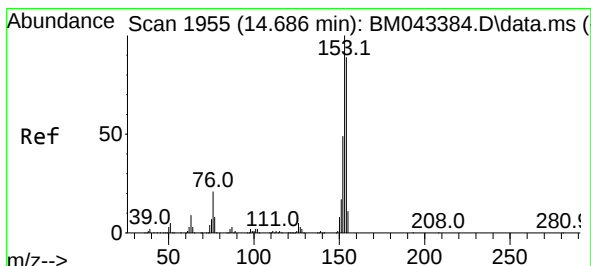
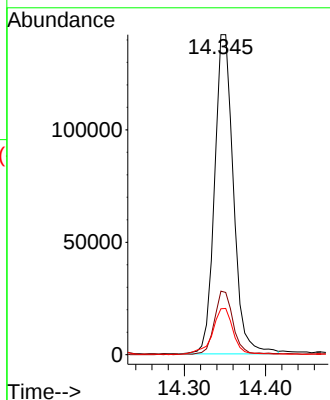
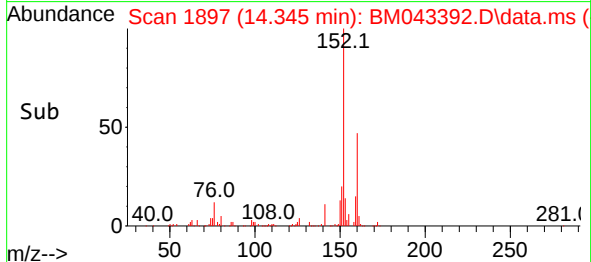
Instrument :
BNA_M
ClientSampleId :
DCLF5



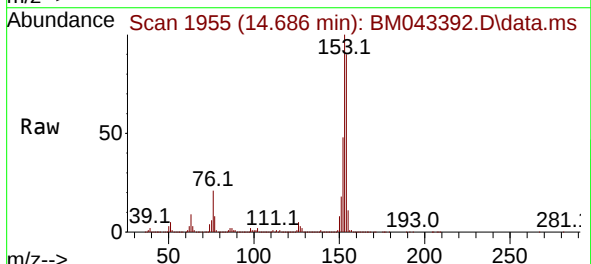
Tgt Ion:152 Resp: 229730
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 14.4 10.2 15.4

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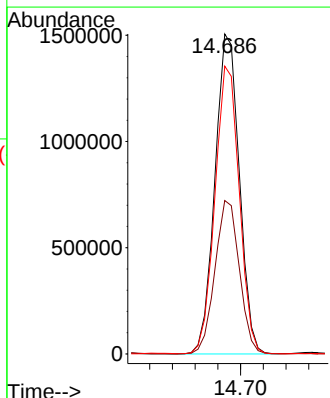
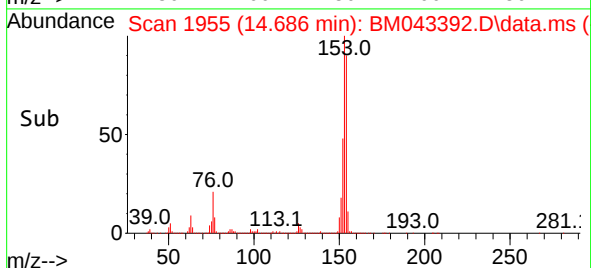
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

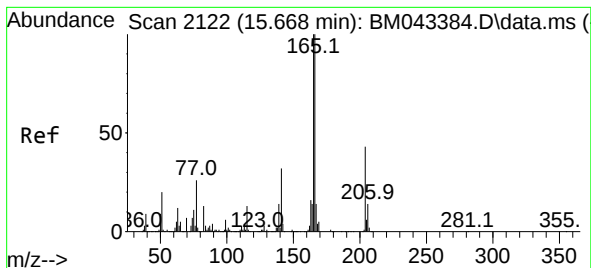


#52
Acenaphthene
Concen: 20.794 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29



Tgt Ion:153 Resp: 2244429
Ion Ratio Lower Upper
153 100
152 48.0 38.1 57.1
154 89.9 70.4 105.6





#61

Fluorene

Concen: 17.195 ng/ul

RT: 15.668 min Scan# 2122

Delta R.T. -0.000 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

Tgt Ion:166 Resp: 204774

Ion Ratio Lower Upper

166 100

165 97.5 76.9 115.3

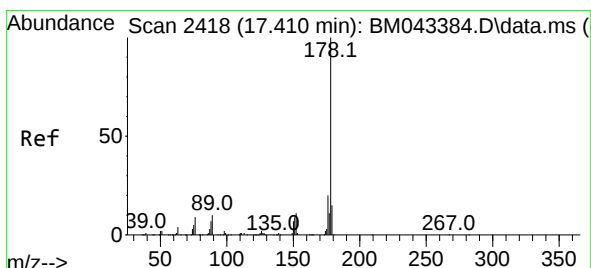
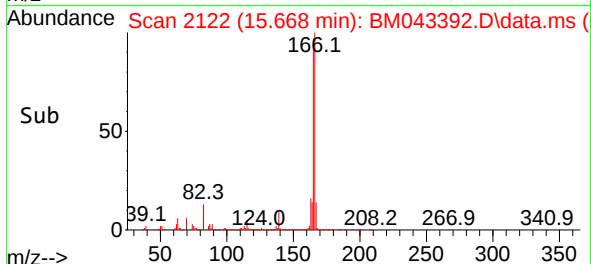
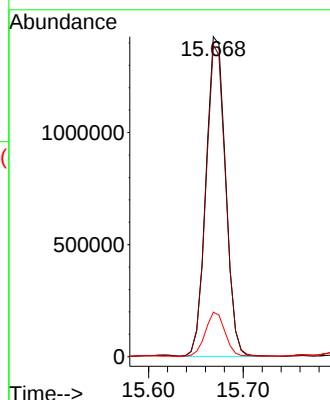
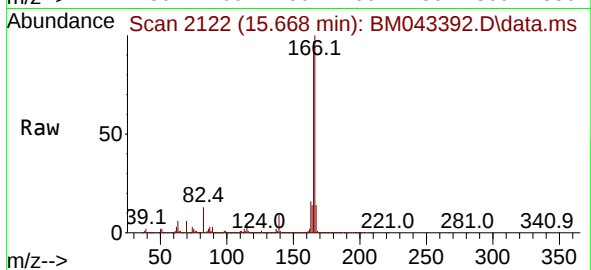
167 13.9 10.9 16.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#72

Phenanthrene

Concen: 38.851 ng/ul

RT: 17.415 min Scan# 2419

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

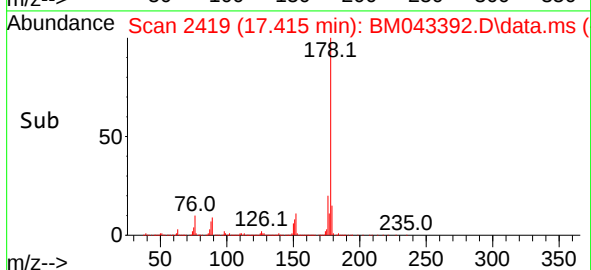
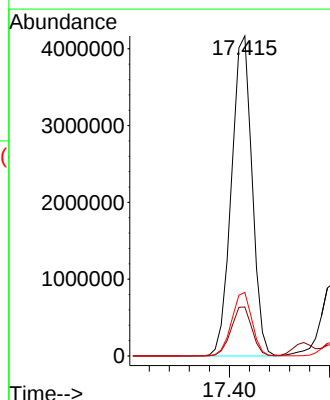
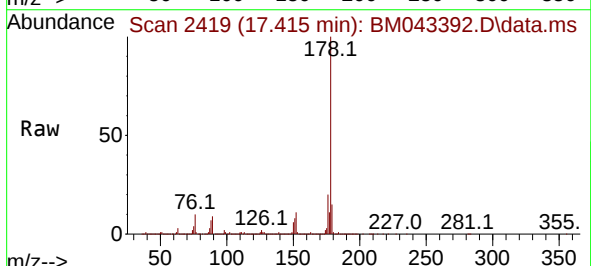
Tgt Ion:178 Resp: 5931488

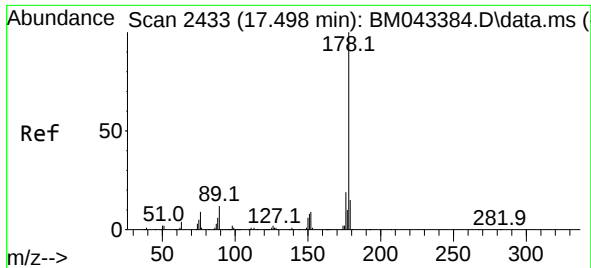
Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

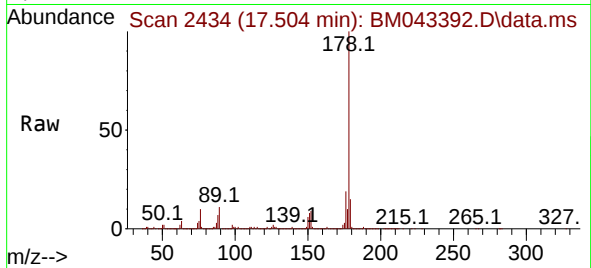
176 19.9 15.5 23.3





#74
 Anthracene
 Concen: 9.017 ng/ul
 RT: 17.504 min Scan# 2433
 Delta R.T. 0.006 min
 Lab File: BM043392.D
 Acq: 18 Dec 2023 14:29

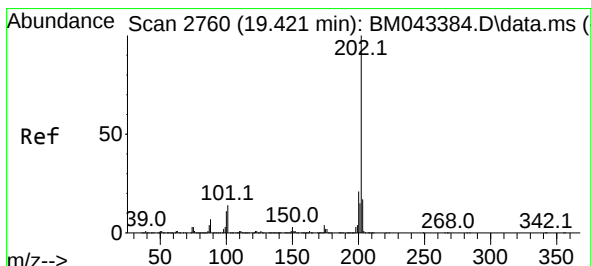
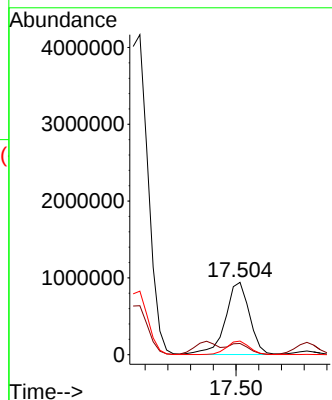
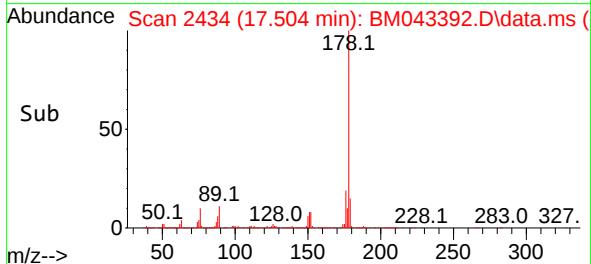
Instrument :
 BNA_M
 ClientSampleId :
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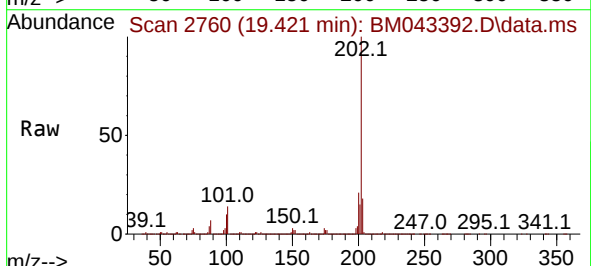
Tgt Ion:178 Resp: 1389374
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.4 18.6
 176 18.9 15.2 22.8

Manual Integrations
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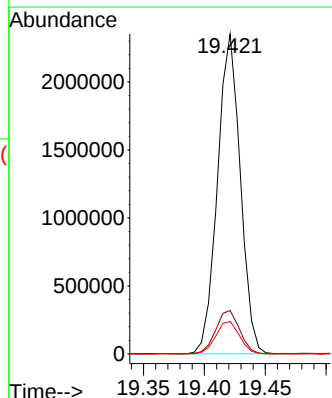
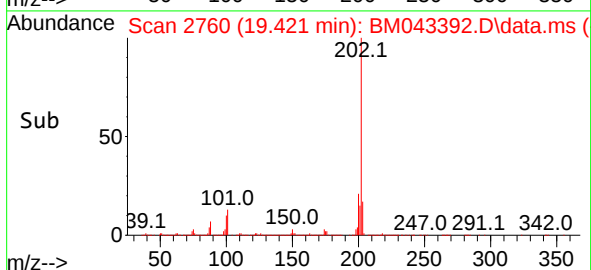
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 Supervised By :mohammad ahmed 12/20/2023

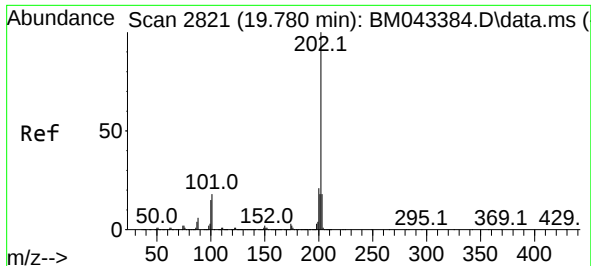


#80
 Fluoranthene
 Concen: 19.674 ng/ul
 RT: 19.421 min Scan# 2760
 Delta R.T. 0.006 min
 Lab File: BM043392.D
 Acq: 18 Dec 2023 14:29



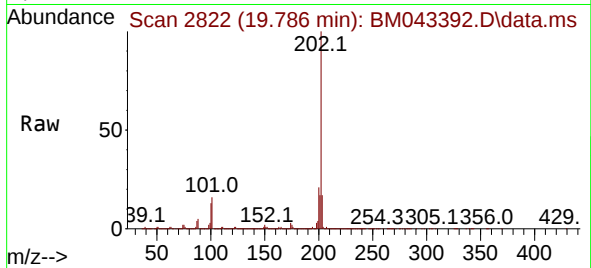
Tgt Ion:202 Resp: 3068844
 Ion Ratio Lower Upper
 202 100
 101 13.5 11.4 17.0
 100 10.2 8.2 12.4





#82
Pyrene
Concen: 17.321 ng/ul
RT: 19.786 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

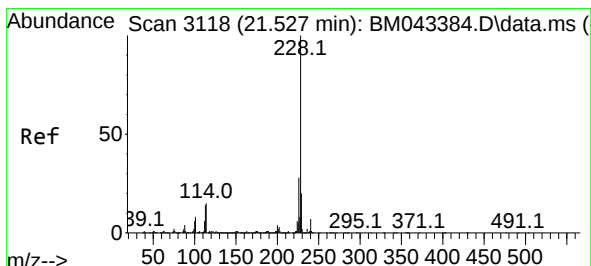
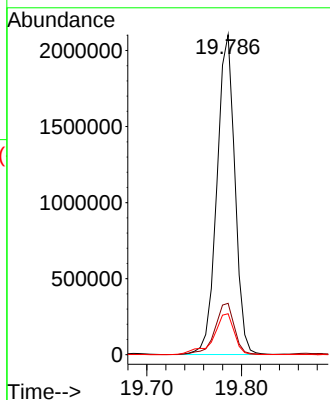
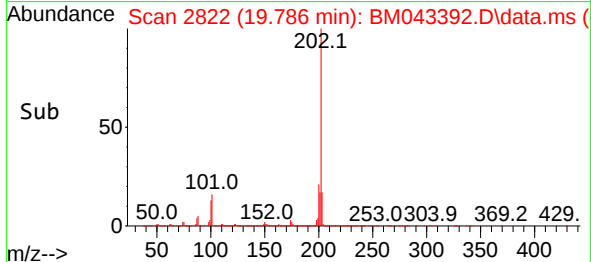
Instrument :
BNA_M
ClientSampleId :
DCLF5



Tgt Ion:202 Resp: 2777558
Ion Ratio Lower Upper
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101 16.1 12.7 19.1
100 12.8 10.1 15.1

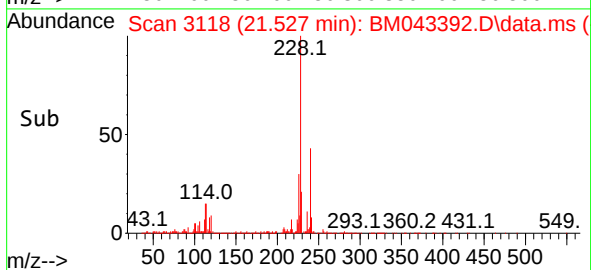
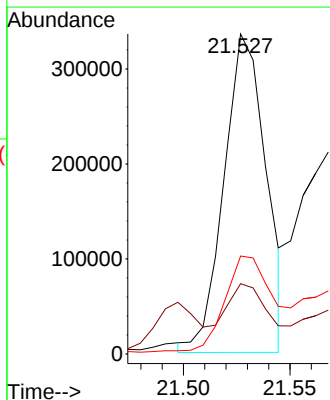
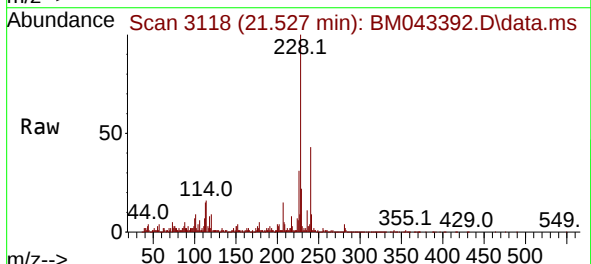
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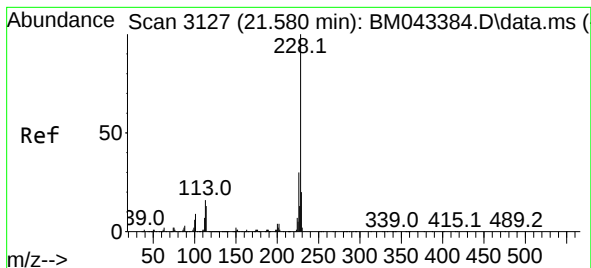
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#85
Benzo(a)anthracene
Concen: 3.465 ng/ul
RT: 21.527 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM043392.D
Acq: 18 Dec 2023 14:29

Tgt Ion:228 Resp: 462274
Ion Ratio Lower Upper
228 100
229 22.0 15.6 23.4
226 30.6 22.2 33.2





#87

Chrysene

Concen: 6.806 ng/u1

RT: 21.580 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

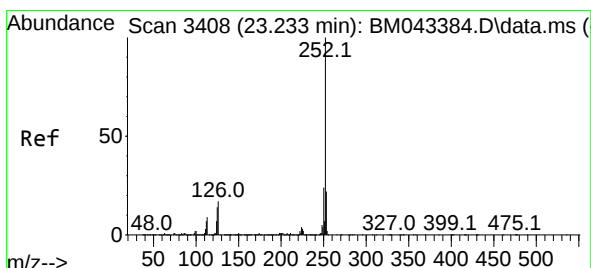
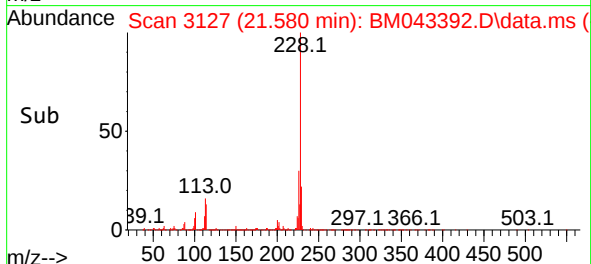
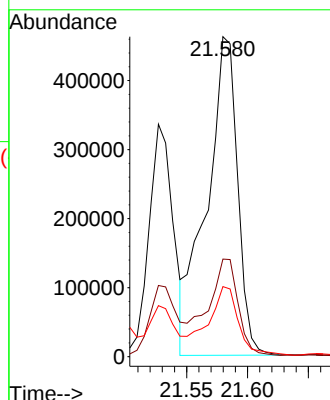
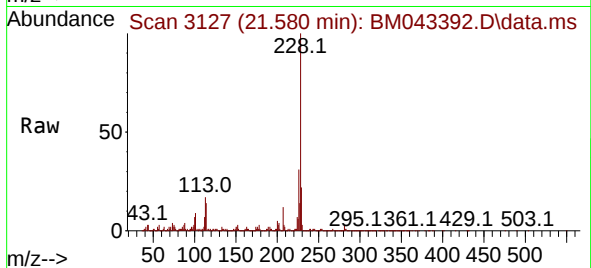
Tgt Ion:	228	Resp:	816800
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.2	36.2
229	21.9	15.9	23.9

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 12.210 ng/u1

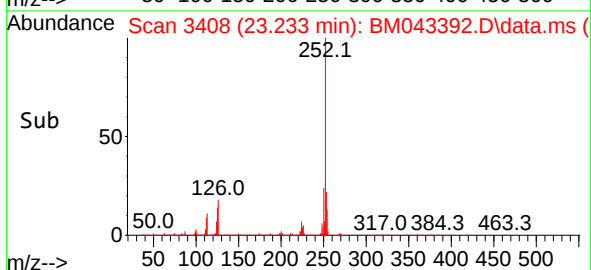
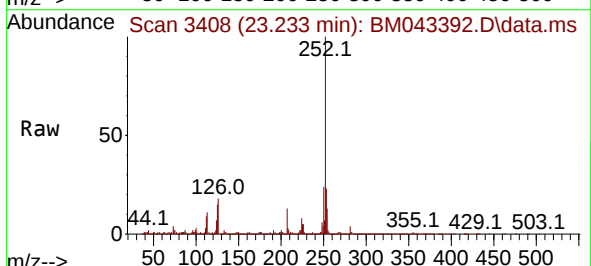
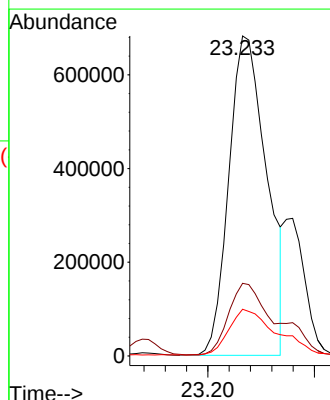
RT: 23.233 min Scan# 3408

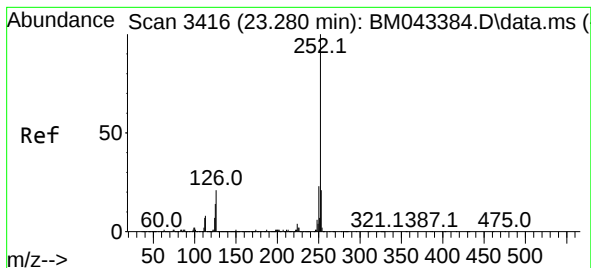
Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Tgt Ion:	252	Resp:	1684146
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	14.6	10.4	15.6





#91

Benzo(k)fluoranthene

Concen: 2.942 ng/ul m

RT: 23.280 min Scan# 3416

Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

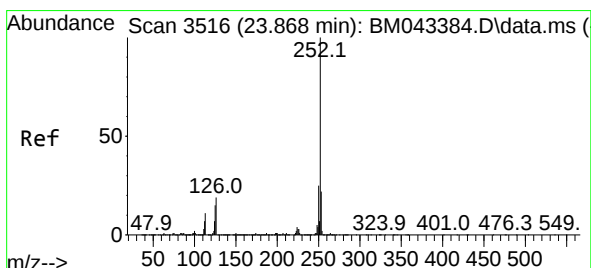
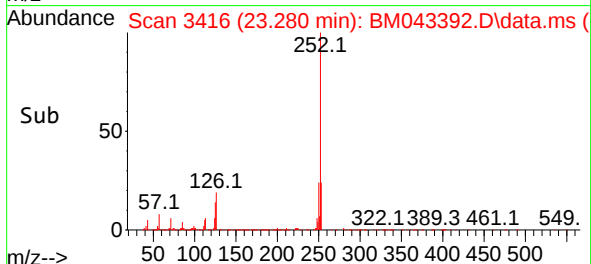
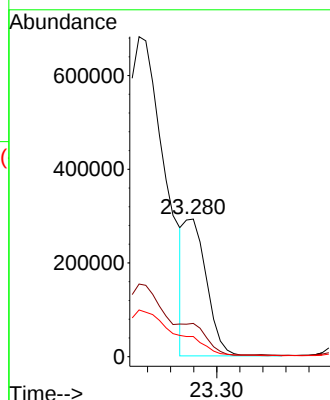
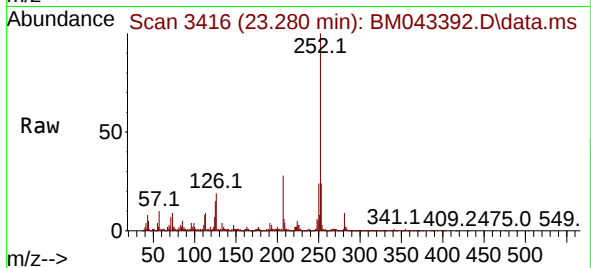
Tgt Ion:	252	Resp:	395849
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.5	26.3
125	14.6	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#93

Benzo(a)pyrene

Concen: 5.227 ng/ul

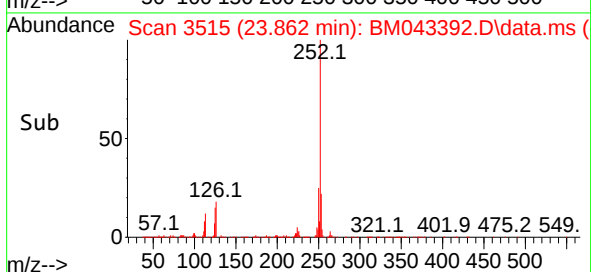
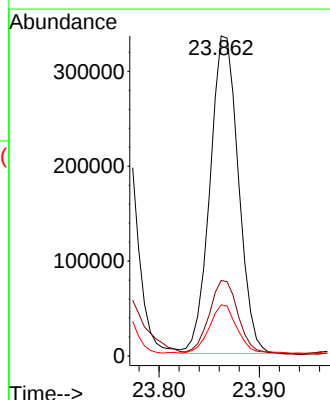
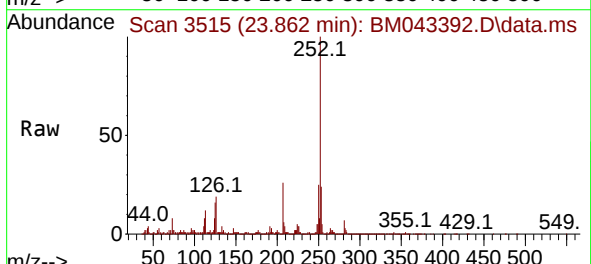
RT: 23.862 min Scan# 3515

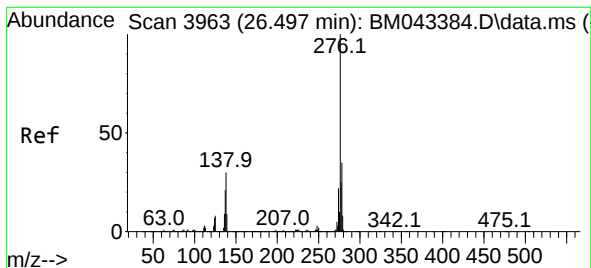
Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Tgt Ion:	252	Resp:	657827
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	16.0	11.4	17.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.616 ng/ul

RT: 26.491 min Scan# 3962

Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

Instrument :

BNA_M

ClientSampleId :

DCLF5

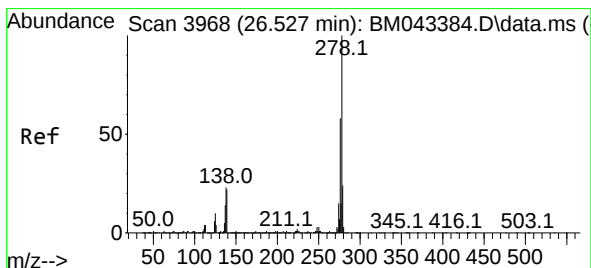
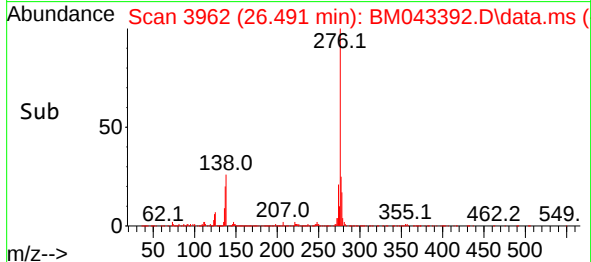
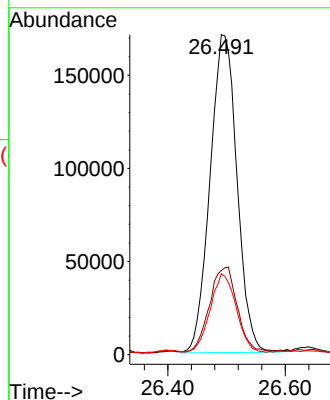
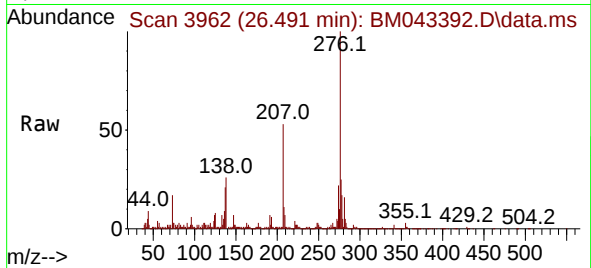
Tgt Ion:276 Resp: 543358
 Ion Ratio Lower Upper
 276 100
 138 26.3 22.6 34.0
 277 25.3 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.052 ng/ul

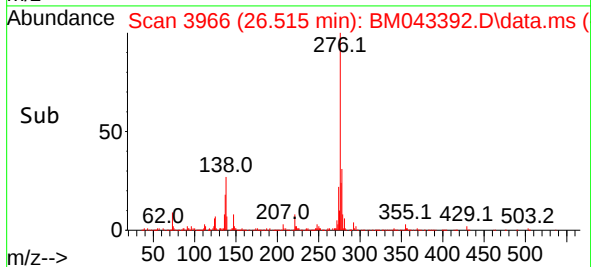
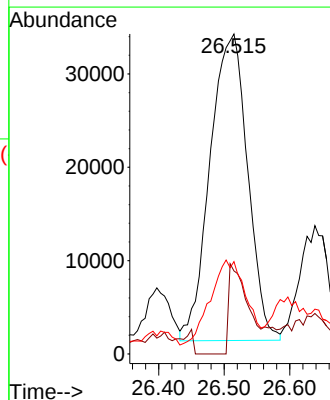
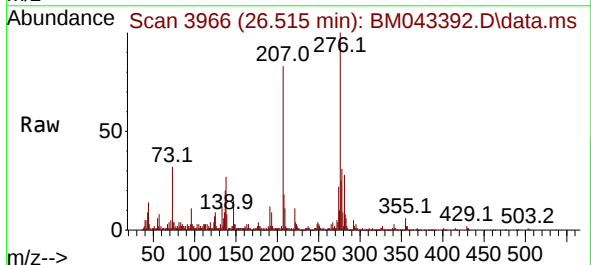
RT: 26.515 min Scan# 3966

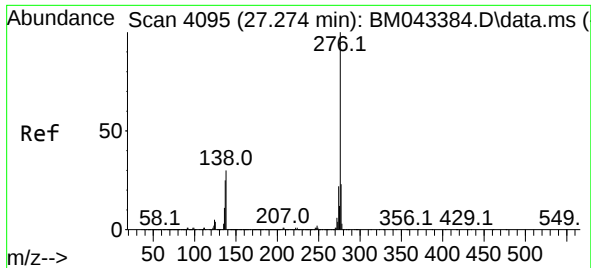
Delta R.T. 0.012 min

Lab File: BM043392.D

Acq: 18 Dec 2023 14:29

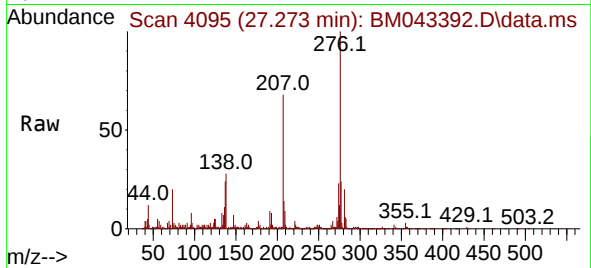
Tgt Ion:278 Resp: 130924
 Ion Ratio Lower Upper
 278 100
 139 26.0 16.0 24.0#
 279 28.8 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 3.889 ng/ul
 RT: 27.273 min Scan# 4095
 Delta R.T. 0.023 min
 Lab File: BM043392.D
 Acq: 18 Dec 2023 14:29

Instrument :
 BNA_M
 ClientSampleId :
 DCLF5



Tgt Ion:276 Resp: 45814
 Ion Ratio Lower Upper
 276 100
 138 28.5 22.4 33.6
 277 23.7 19.1 28.7

Manual Integrations
 APPROVED

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

