

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043387.D
 Acq On : 18 Dec 2023 11:26
 Operator : MA/JU
 Sample : 05626-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLG1

Manual Integrations
 APPROVED

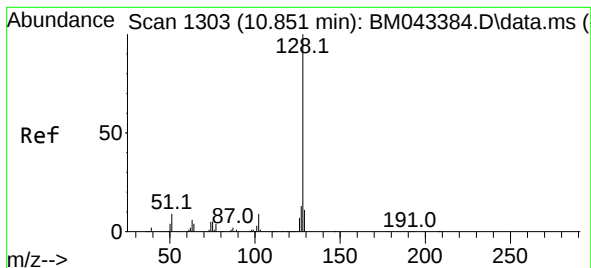
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 00:51:22 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)

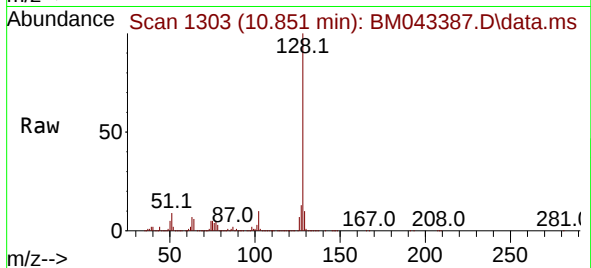
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	437798	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1840822	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	995752	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1891565	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	1558027	20.000	ng/u1	0.01
88) Perylene-d12	23.980	264	1709051	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	35438	2.631	ng/uL	0.00
4) Pyridine-d5	3.816	84	165041	4.257	ng/u1	0.01
7) Phenol-d5	7.151	99	765273	15.366	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	470401	14.914	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	567512	14.924	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	600178	15.530	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	277133	15.560	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	288517	15.678	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	512467	15.775	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	536871	11.234	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	1479204	16.502	ng/u1	0.00
49) Acenaphthylene-d8	14.315	160	1804456	16.970	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	240851	14.196	ng/u1	0.00
60) Fluorene-d10	15.615	176	1293496	17.451	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	168418	13.462	ng/u1	0.00
73) Anthracene-d10	17.468	188	1927756	18.172	ng/u1	0.00
81) Pyrene-d10	19.756	212	2017679	16.403	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.827	264	1857206	17.610	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.851	128	615175	5.244	ng/u1	99
36) 2-Methylnaphthalene	12.457	142	128742	1.612	ng/u1	99
37) 1-Methylnaphthalene	12.674	142	87486	1.086	ng/u1#	98
50) Acenaphthylene	14.345	152	436042	3.571	ng/u1	99
52) Acenaphthene	14.686	153	324554	4.033	ng/u1	99
61) Fluorene	15.668	166	427131	4.810	ng/u1	98
71) Pentachlorophenol	17.009	266	32107	2.069	ng/u1	98
72) Phenanthrene	17.409	178	3079699	24.022	ng/u1	99
74) Anthracene	17.503	178	1501385	11.604	ng/u1	100
80) Fluoranthene	19.427	202	11934684	78.350	ng/u1	99
82) Pyrene	19.792	202	10970133	70.054	ng/u1	96
85) Benzo(a)anthracene	21.533	228	3365235	25.830	ng/u1	95
87) Chrysene	21.591	228	6274434	53.534	ng/u1	97
90) Benzo(b)fluoranthene	23.250	252	8339201	63.673	ng/u1	98
91) Benzo(k)fluoranthene	23.291	252	2283852m	17.879	ng/u1	
93) Benzo(a)pyrene	23.880	252	2437937	20.403	ng/u1	100
94) Indeno(1,2,3-cd)pyrene	26.515	276	1909111	13.381	ng/u1	99
95) Dibenzo(a,h)anthracene	26.521	278	499224	4.226	ng/u1#	89
96) Benzo(g,h,i)perylene	27.291	276	654078	5.848	ng/u1	99

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



#30
Naphthalene
Concen: 5.244 ng/ul
RT: 10.851 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26

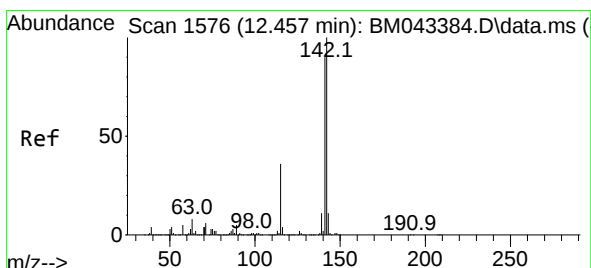
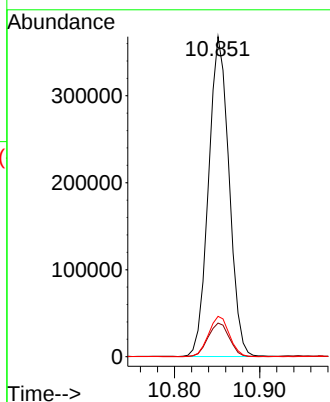
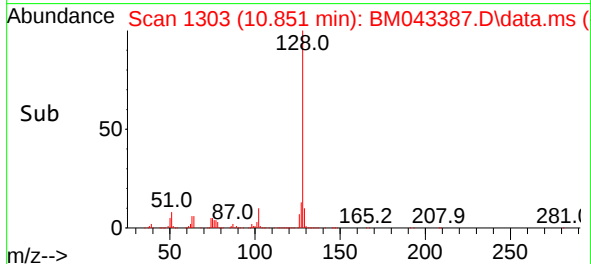
Instrument :
BNA_M
ClientSampleId :
DCLG1



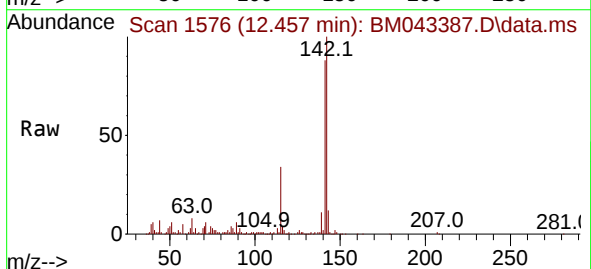
Tgt Ion:128 Resp: 61517
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.6 10.2 15.4

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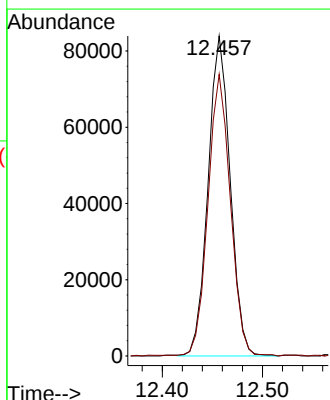
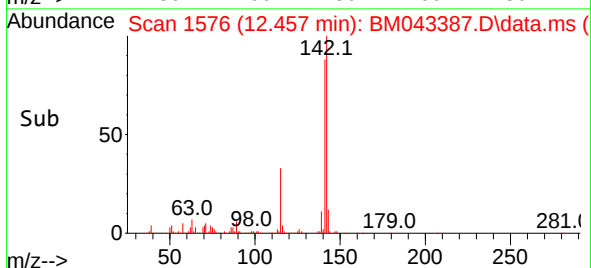
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

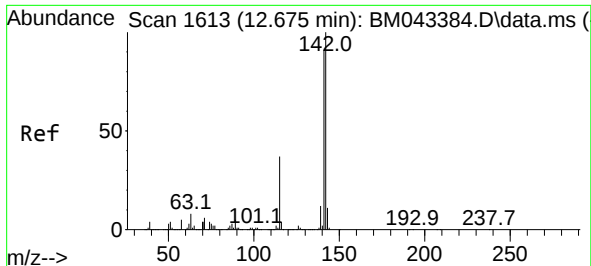


#36
2-Methylnaphthalene
Concen: 1.612 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26



Tgt Ion:142 Resp: 128742
Ion Ratio Lower Upper
142 100
141 88.0 69.9 104.9





#37

1-Methylnaphthalene

Concen: 1.086 ng/ul

RT: 12.674 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Instrument :

BNA_M

ClientSampleId :

DCLG1

Tgt Ion:142 Resp: 87480

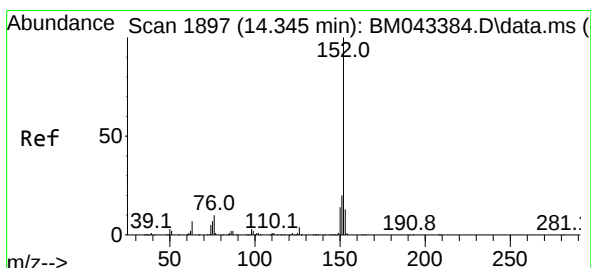
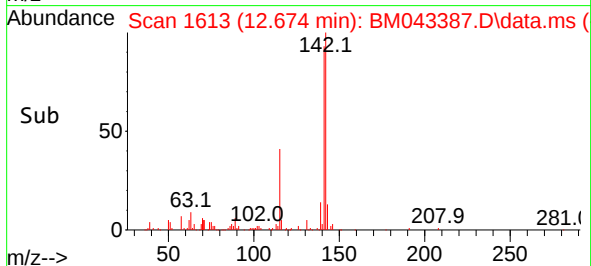
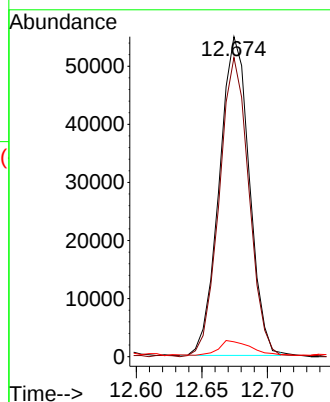
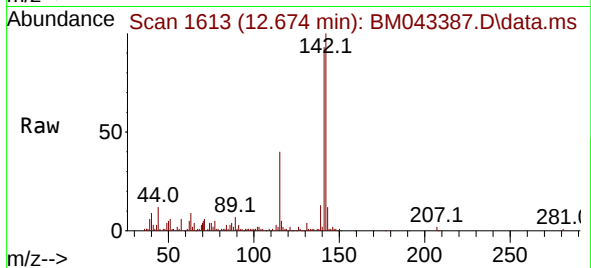
Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.0	109.4
116	4.6	3.0	4.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#50

Acenaphthylene

Concen: 3.571 ng/ul

RT: 14.345 min Scan# 1897

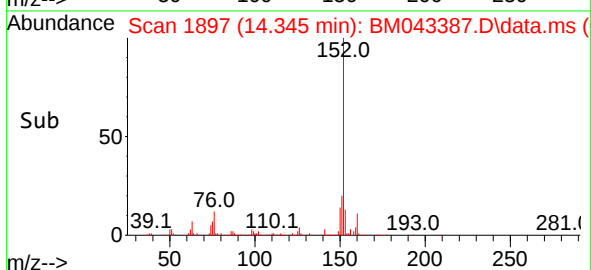
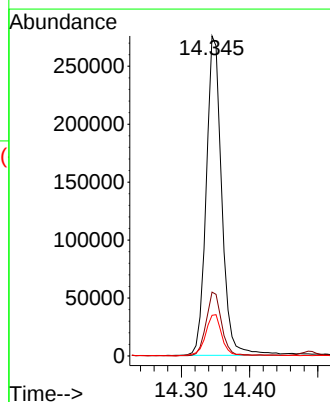
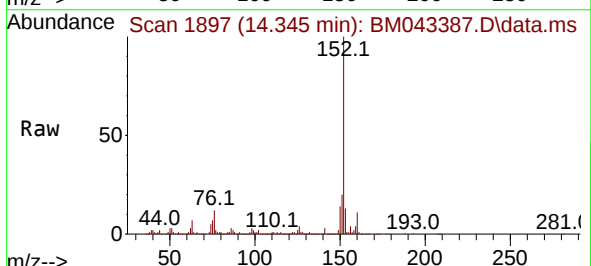
Delta R.T. -0.006 min

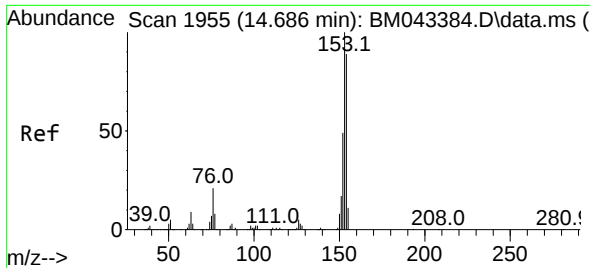
Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Tgt Ion:152 Resp: 436042

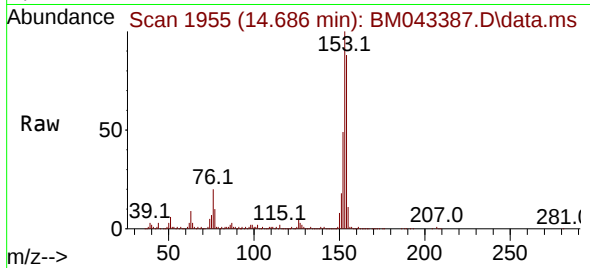
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	12.7	10.2	15.4





#52
Acenaphthene
Concen: 4.033 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26

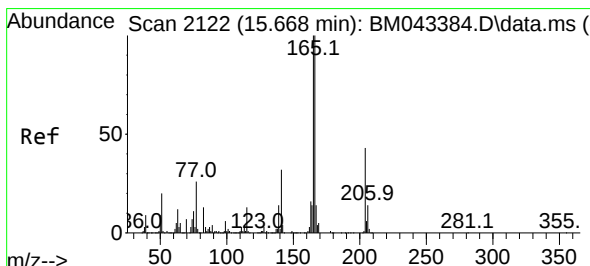
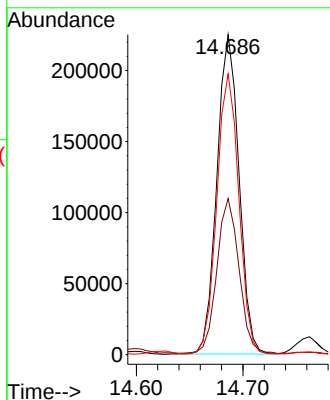
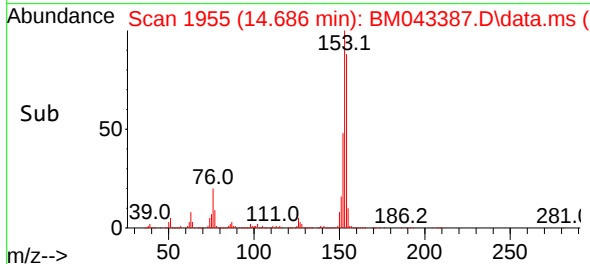
Instrument :
BNA_M
ClientSampleId :
DCLG1



Tgt Ion:153 Resp: 324554
Ion Ratio Lower Upper
153 100
152 48.8 38.1 57.1
154 87.7 70.4 105.6

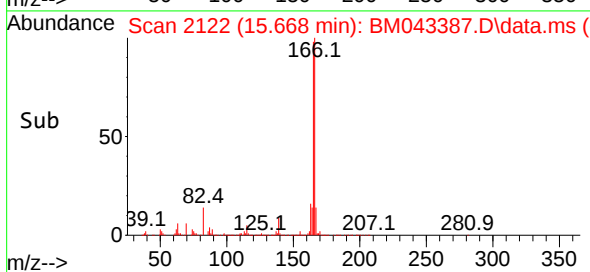
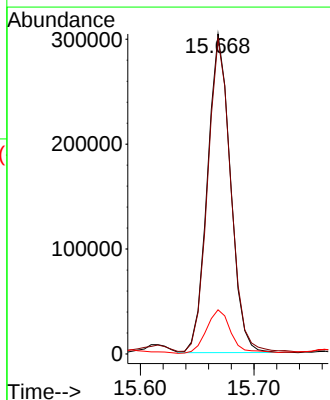
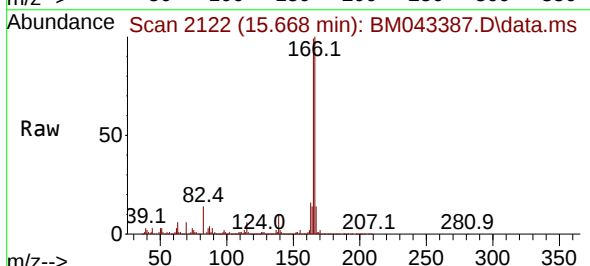
Manual Integrations
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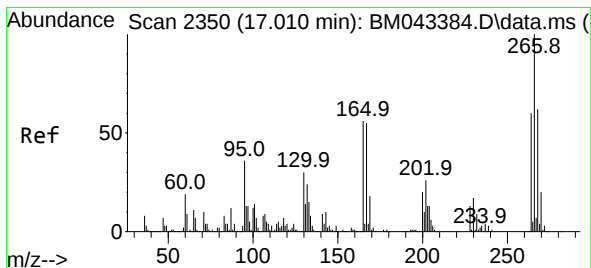
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 4.810 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26

Tgt Ion:166 Resp: 427131
Ion Ratio Lower Upper
166 100
165 98.5 76.9 115.3
167 13.8 10.9 16.3





#71

Pentachlorophenol

Concen: 2.069 ng/ul

RT: 17.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Instrument :

BNA_M

ClientSampleId :

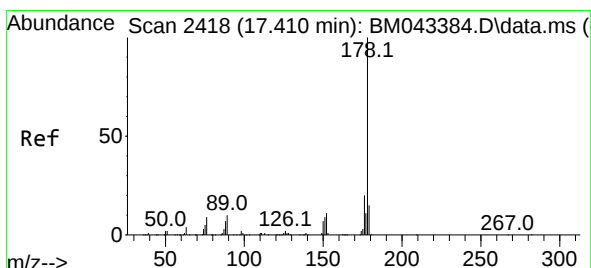
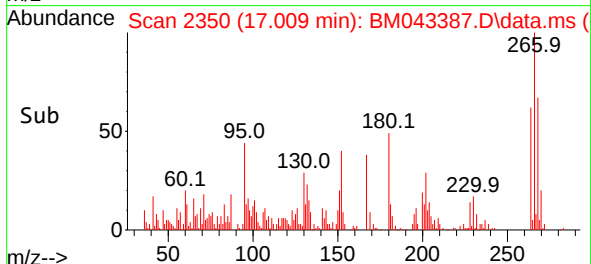
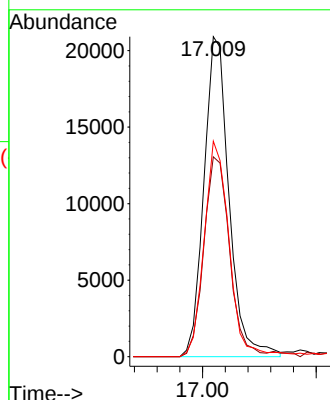
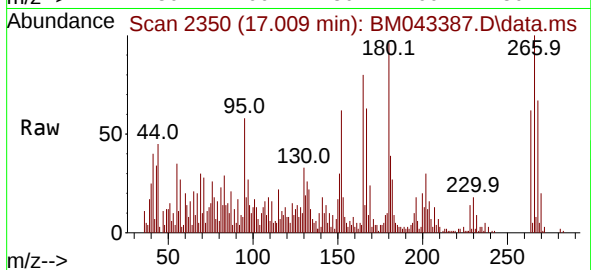
DCLG1

Tgt Ion:	266	Resp:	3210
Ion Ratio	Lower	Upper	
266	100		
264	62.4	49.9	74.9
268	67.4	51.0	76.6

Manual Integrations

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



#72

Phenanthrene

Concen: 24.022 ng/ul

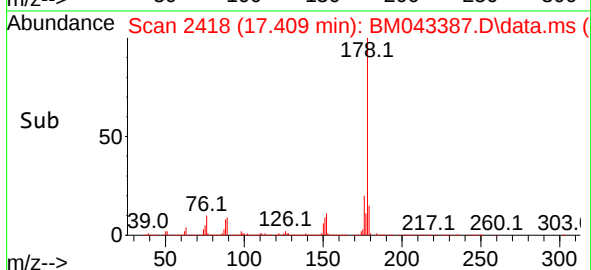
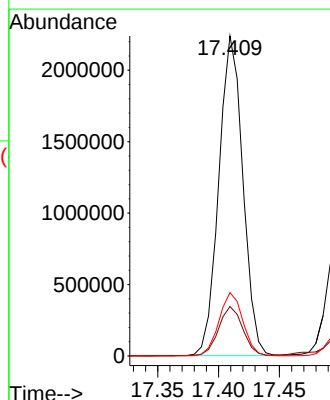
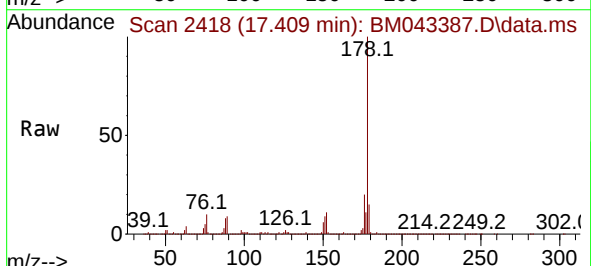
RT: 17.409 min Scan# 2418

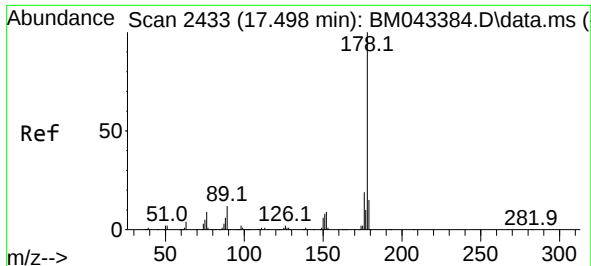
Delta R.T. -0.000 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

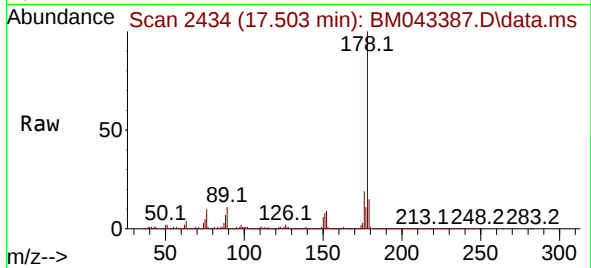
Tgt Ion:	178	Resp:	3079699
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	19.8	15.5	23.3





#74
 Anthracene
 Concen: 11.604 ng/uI
 RT: 17.503 min Scan# 2433
 Delta R.T. 0.006 min
 Lab File: BM043387.D
 Acq: 18 Dec 2023 11:26

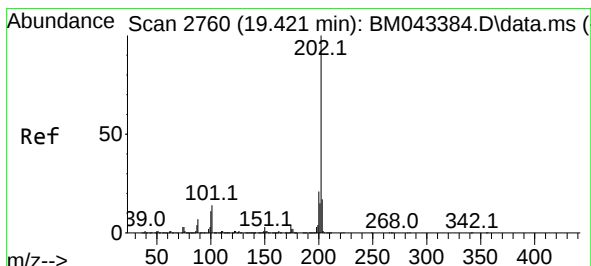
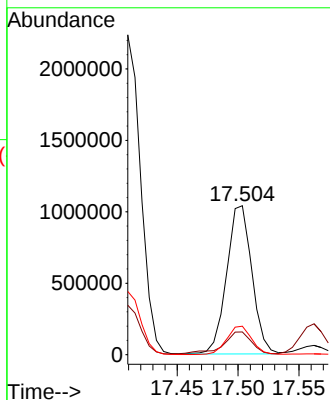
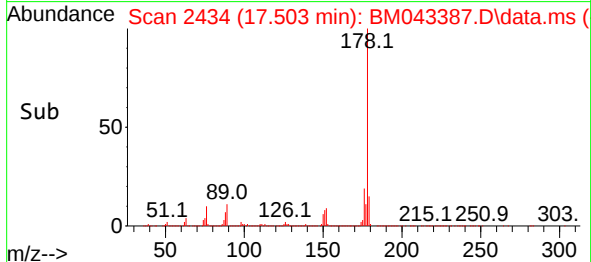
Instrument :
 BNA_M
 ClientSampleId :
 DCLG1



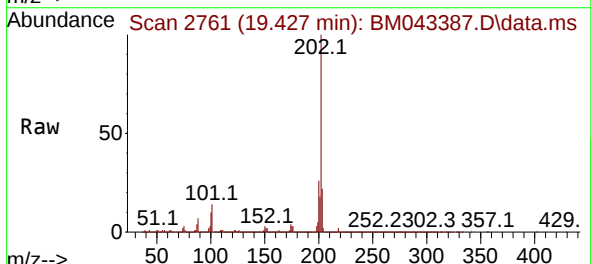
Tgt Ion:178 Resp: 1501385
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 19.2 15.2 22.8

Manual Integrations
 APPROVED

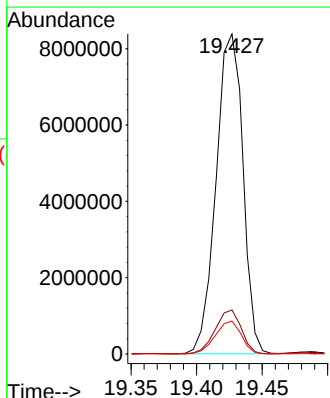
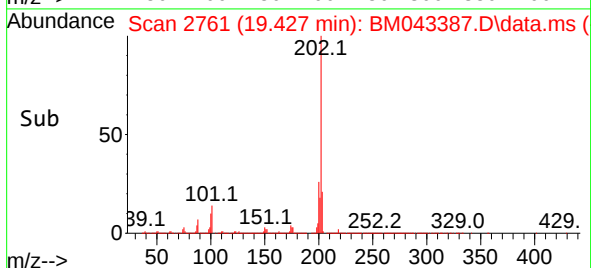
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

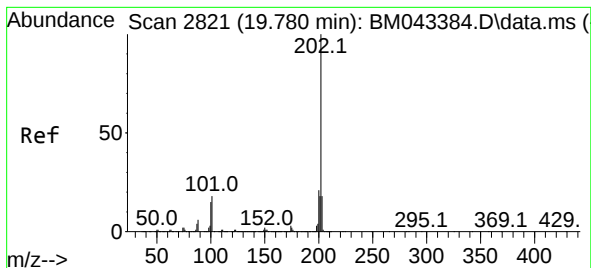


#80
 Fluoranthene
 Concen: 78.350 ng/uI
 RT: 19.427 min Scan# 2761
 Delta R.T. 0.012 min
 Lab File: BM043387.D
 Acq: 18 Dec 2023 11:26



Tgt Ion:202 Resp:11934684
 Ion Ratio Lower Upper
 202 100
 101 13.8 11.4 17.0
 100 10.3 8.2 12.4





#82

Pyrene

Concen: 70.054 ng/ul

RT: 19.792 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Instrument :

BNA_M

ClientSampleId :

DCLG1

Tgt Ion:202 Resp:1097013

Ion Ratio Lower Upper

202 100

101 14.2 12.7 19.1

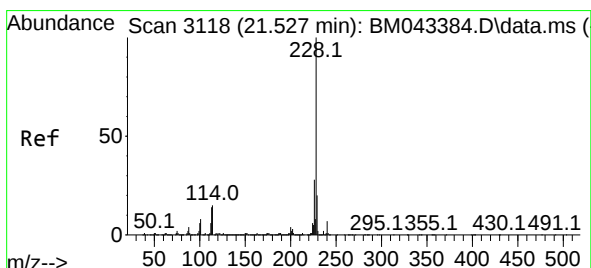
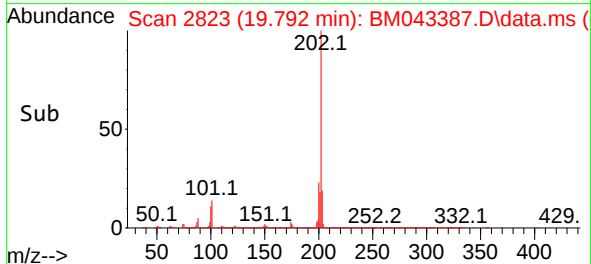
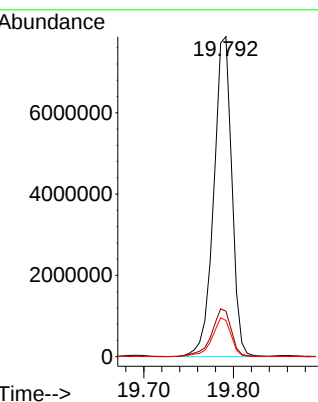
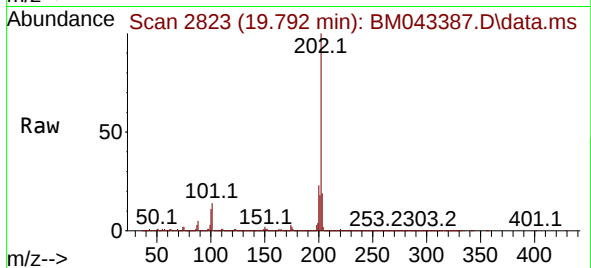
100 11.3 10.1 15.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#85

Benzo(a)anthracene

Concen: 25.830 ng/ul

RT: 21.533 min Scan# 3119

Delta R.T. 0.012 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

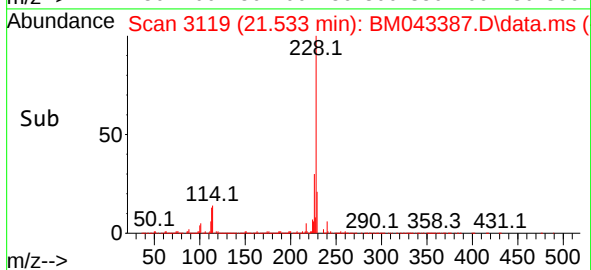
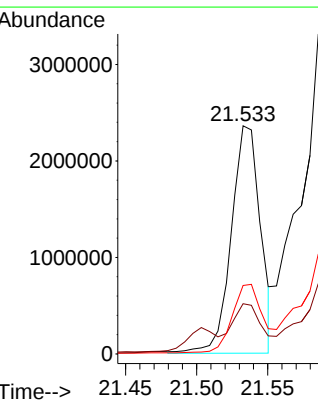
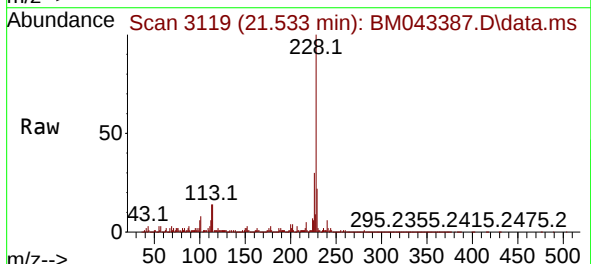
Tgt Ion:228 Resp: 3365235

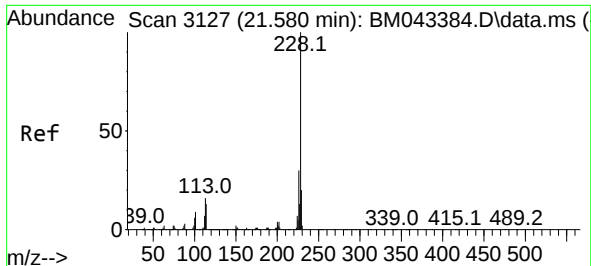
Ion Ratio Lower Upper

228 100

229 22.0 15.6 23.4

226 30.0 22.2 33.2





#87

Chrysene

Concen: 53.534 ng/uI

RT: 21.591 min Scan# 3127

Delta R.T. 0.018 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Instrument :

BNA_M

ClientSampleId :

DCLG1

Tgt Ion:228 Resp: 6274434

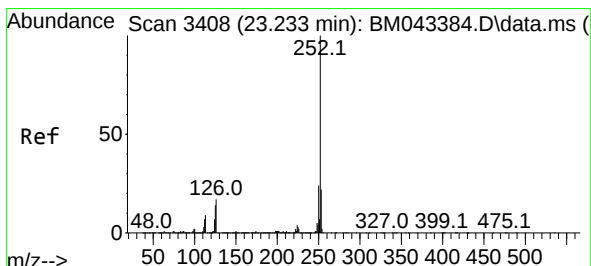
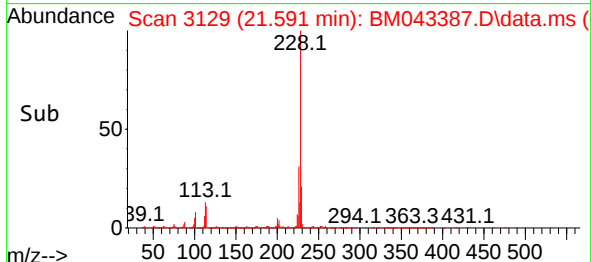
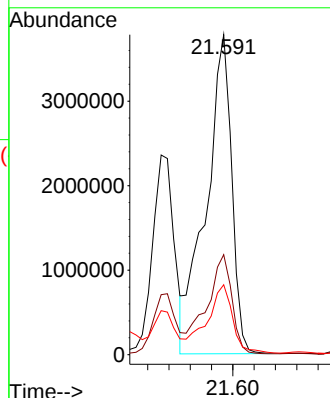
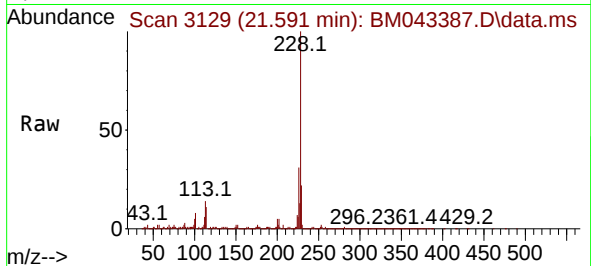
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	21.8	15.9	23.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 63.673 ng/uI

RT: 23.250 min Scan# 3411

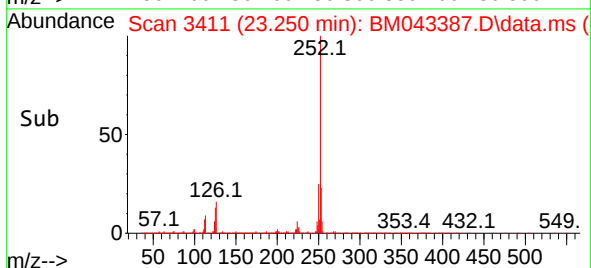
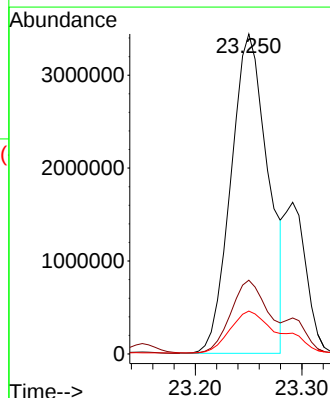
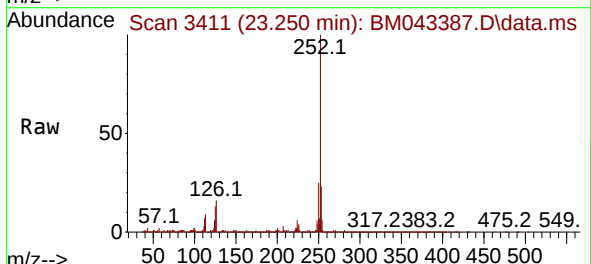
Delta R.T. 0.029 min

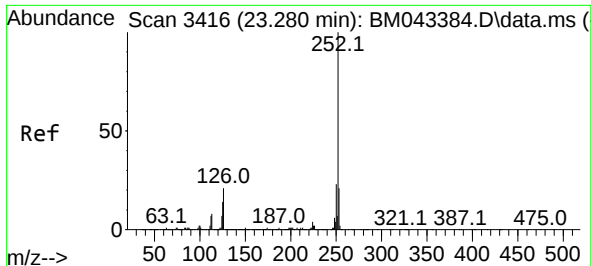
Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Tgt Ion:252 Resp: 8339201

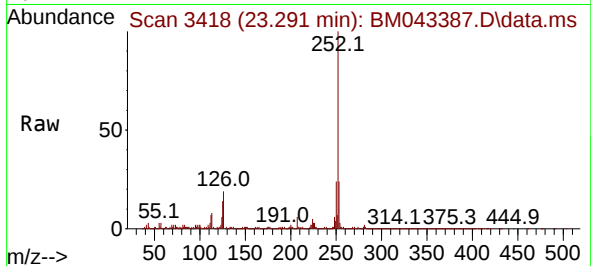
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	13.4	10.4	15.6





#91
Benzo(k)fluoranthene
Concen: 17.879 ng/ul m
RT: 23.291 min Scan# 3416
Delta R.T. 0.023 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26

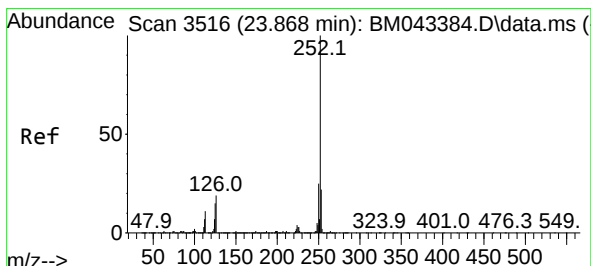
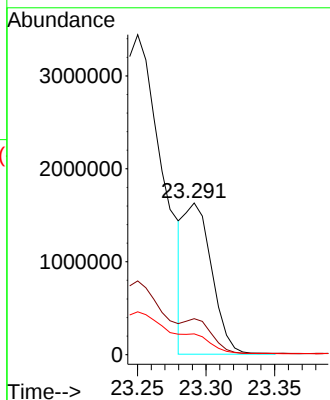
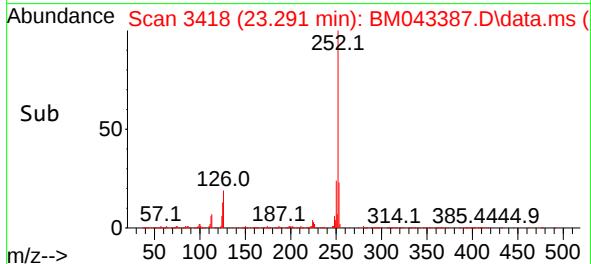
Instrument :
BNA_M
ClientSampleId :
DCLG1



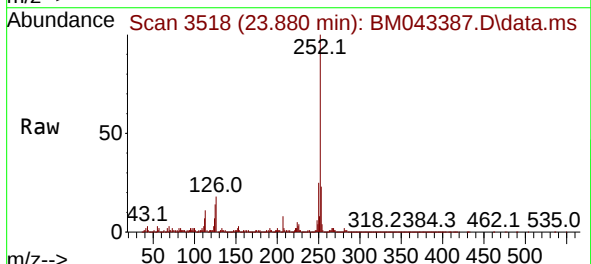
Tgt Ion:252 Resp: 228385
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 13.7 10.2 15.4

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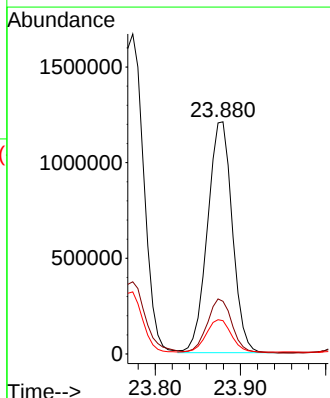
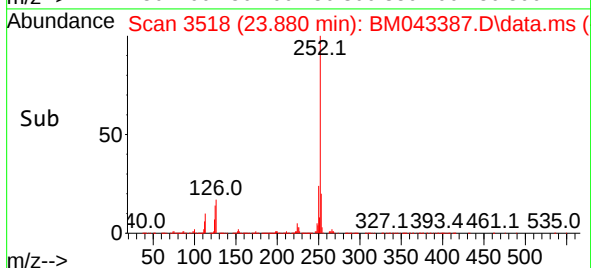
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

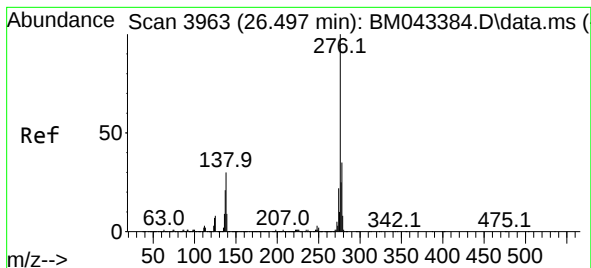


#93
Benzo(a)pyrene
Concen: 20.403 ng/ul
RT: 23.880 min Scan# 3518
Delta R.T. 0.029 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26



Tgt Ion:252 Resp: 2437937
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 14.4 11.4 17.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 13.381 ng/ul

RT: 26.515 min Scan# 3966

Delta R.T. 0.035 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

Instrument :

BNA_M

ClientSampleId :

DCLG1

Tgt Ion:276 Resp: 190911

Ion Ratio Lower Upper

276 100

138 27.5 22.6 34.0

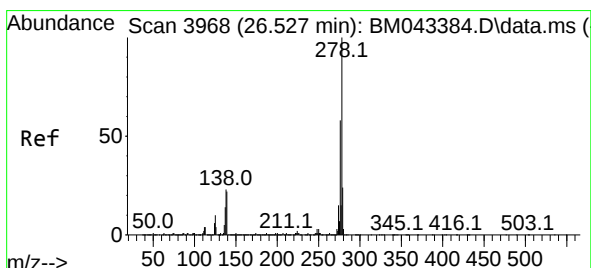
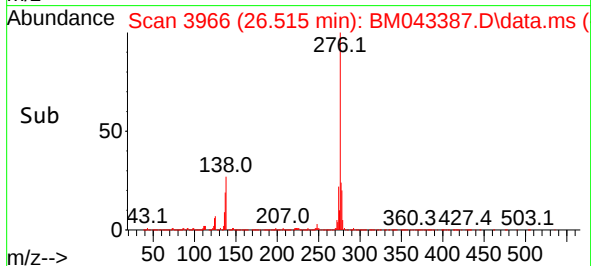
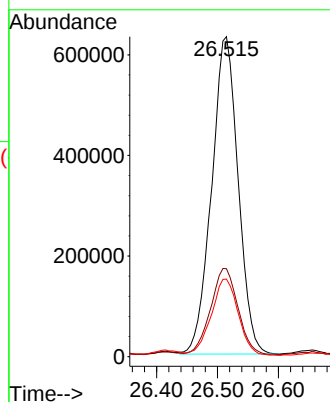
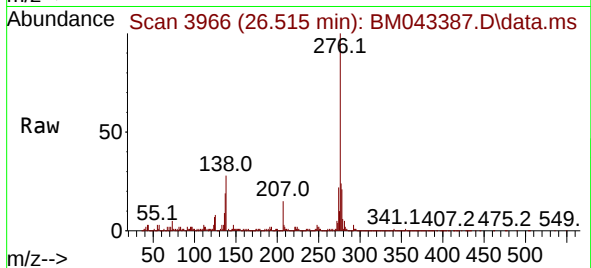
277 24.3 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.226 ng/ul

RT: 26.521 min Scan# 3967

Delta R.T. 0.018 min

Lab File: BM043387.D

Acq: 18 Dec 2023 11:26

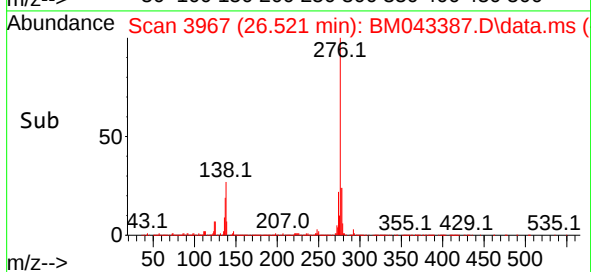
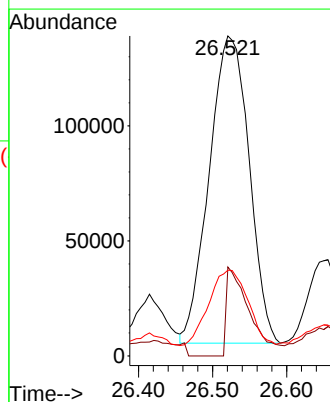
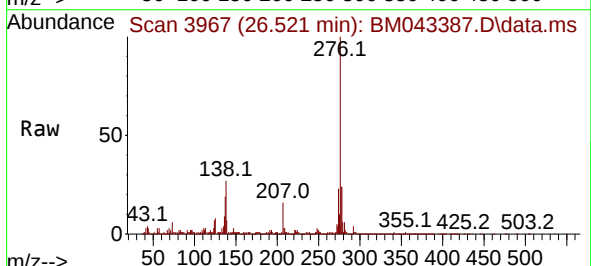
Tgt Ion:278 Resp: 499224

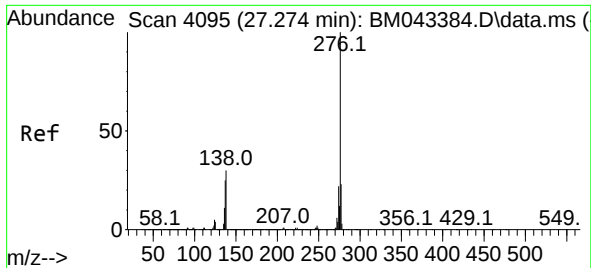
Ion Ratio Lower Upper

278 100

139 27.8 16.0 24.0#

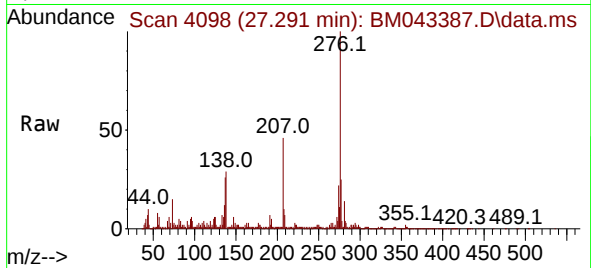
279 26.8 19.4 29.0





#96
Benzo(g,h,i)perylene
Concen: 5.848 ng/ul
RT: 27.291 min Scan# 4098
Delta R.T. 0.041 min
Lab File: BM043387.D
Acq: 18 Dec 2023 11:26

Instrument :
BNA_M
ClientSampleId :
DCLG1



Tgt Ion:276 Resp: 654078
Ion Ratio Lower Upper
276 100
138 28.7 22.4 33.6
277 24.6 19.1 28.7

Manual Integrations
APPROVED

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

