

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043388.D
 Acq On : 18 Dec 2023 12:03
 Operator : MA/JU
 Sample : 05626-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 00:58:36 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	416319	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1783867	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	930273	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1609321	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	1234365	20.000	ng/u1	0.01
88) Perylene-d12	23.974	264	1345507	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	67135	5.241	ng/uL	0.00
4) Pyridine-d5	3.804	84	1004418	27.244	ng/u1	0.00
7) Phenol-d5	7.151	99	1437725	30.358	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	930541	31.024	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1103869	30.527	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	1116625	30.384	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	556710	32.256	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	588360	32.993	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	966150	30.691	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1400087	30.231	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2588551	30.910	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	3210552	32.318	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	429988	27.128	ng/u1	0.00
60) Fluorene-d10	15.615	176	2184370	31.544	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	268717	25.247	ng/u1	0.01
73) Anthracene-d10	17.474	188	2860385	31.692	ng/u1	0.01
81) Pyrene-d10	19.756	212	3033646	31.130	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.821	264	2714096	32.688	ng/u1	0.02
Target Compounds	Qvalue					
30) Naphthalene	10.851	128	533715	4.694	ng/u1	100
36) 2-Methylnaphthalene	12.457	142	617028	7.973	ng/u1	98
37) 1-Methylnaphthalene	12.674	142	424801	5.442	ng/u1	100
50) Acenaphthylene	14.351	152	271580	2.381	ng/u1#	96
52) Acenaphthene	14.692	153	3604976	47.947	ng/u1	99
61) Fluorene	15.674	166	4059563	48.936	ng/u1	99
72) Phenanthrene	17.409	178	18224232m	167.082	ng/u1	
74) Anthracene	17.504	178	19919746m	180.958	ng/u1	
80) Fluoranthene	19.421	202	16680649m	138.221	ng/u1	
82) Pyrene	19.786	202	15470694	124.698	ng/u1	97
85) Benzo(a)anthracene	21.533	228	4437326	42.990	ng/u1	98
87) Chrysene	21.586	228	4742304	51.071	ng/u1	98
90) Benzo(b)fluoranthene	23.239	252	2898452	28.110	ng/u1	98
91) Benzo(k)fluoranthene	23.280	252	992269	9.867	ng/u1	97
93) Benzo(a)pyrene	23.868	252	1520044	16.158	ng/u1	100
94) Indeno(1,2,3-cd)pyrene	26.503	276	589654	5.249	ng/u1	99
95) Dibenzo(a,h)anthracene	26.515	278	148367	1.595	ng/u1#	92
96) Benzo(g,h,i)perylene	27.274	276	448653	5.095	ng/u1	99

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

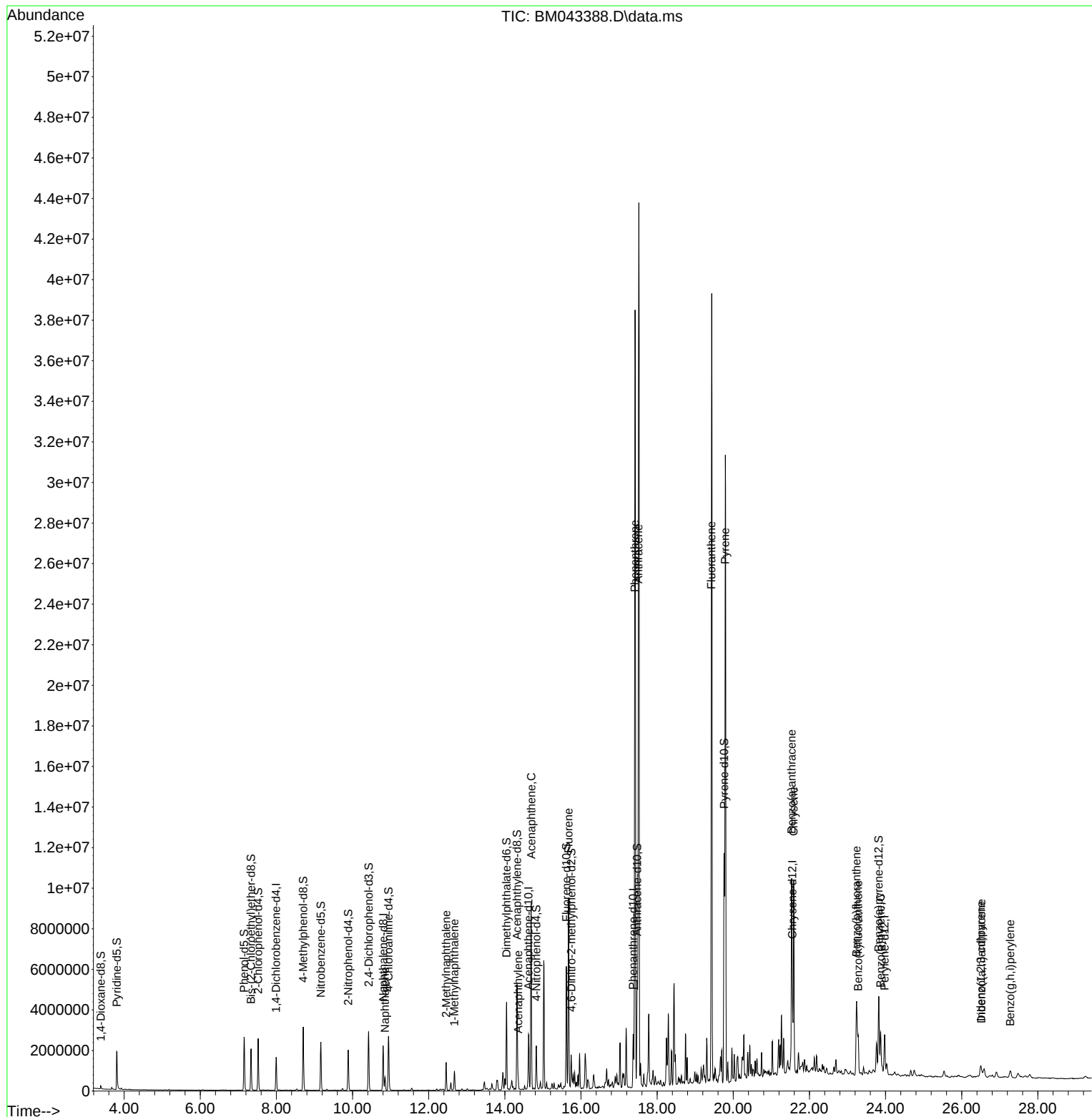
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
Data File : BM043388.D
Acq On : 18 Dec 2023 12:03
Operator : MA/JU
Sample : 05626-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

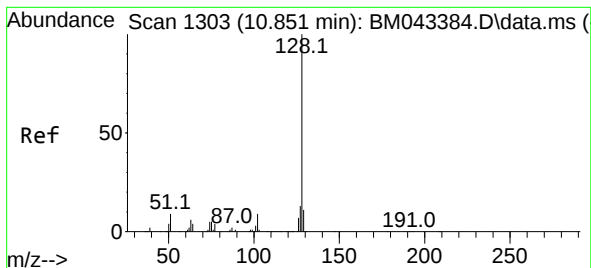
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Dec 19 00:58:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 22:09:25 2023
Response via : Initial Calibration

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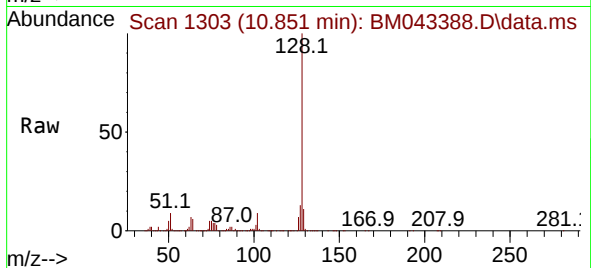
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023





#30
Naphthalene
Concen: 4.694 ng/ul
RT: 10.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

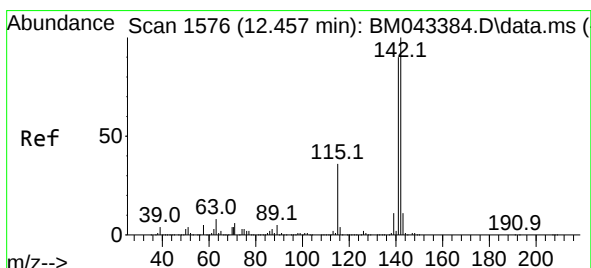
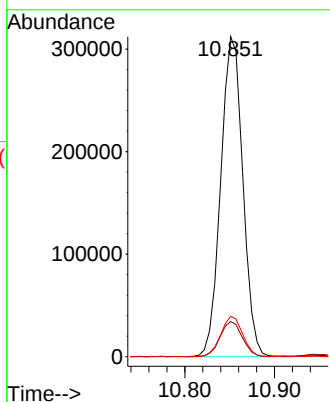
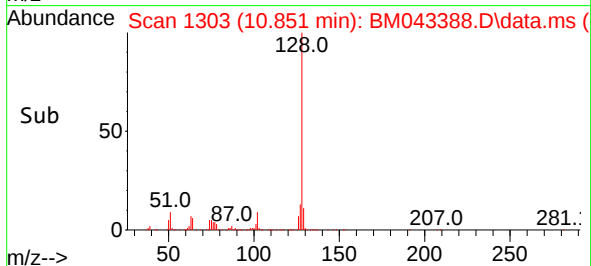
Instrument :
BNA_M
ClientSampleId :
DCLF3



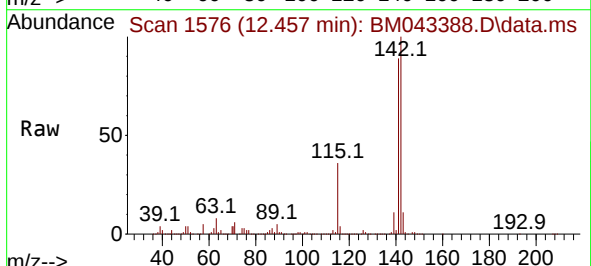
Tgt Ion:128 Resp: 533715
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.6 10.2 15.4

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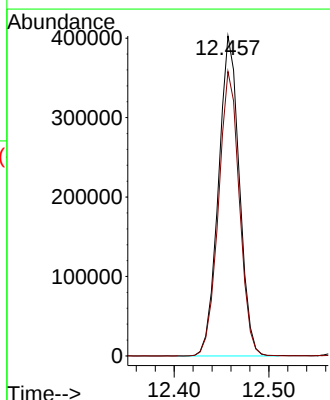
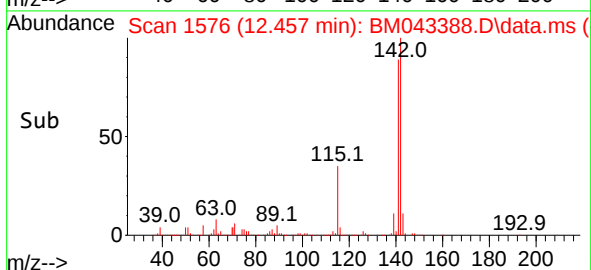
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

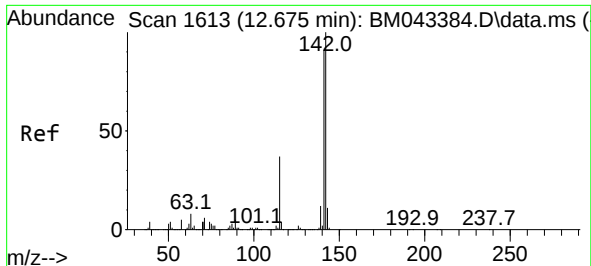


#36
2-Methylnaphthalene
Concen: 7.973 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03



Tgt Ion:142 Resp: 617028
Ion Ratio Lower Upper
142 100
141 88.9 69.9 104.9





#37

1-Methylnaphthalene

Concen: 5.442 ng/ul

RT: 12.674 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043388.D

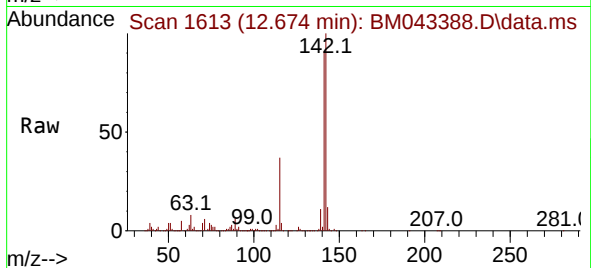
Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3



Tgt Ion:142 Resp: 42480

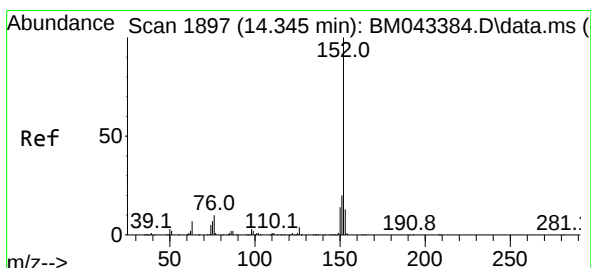
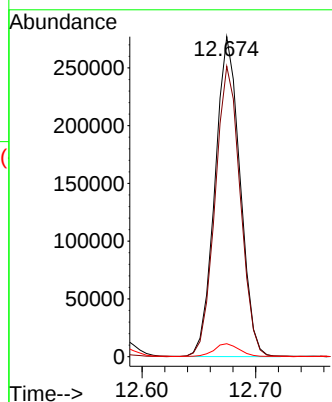
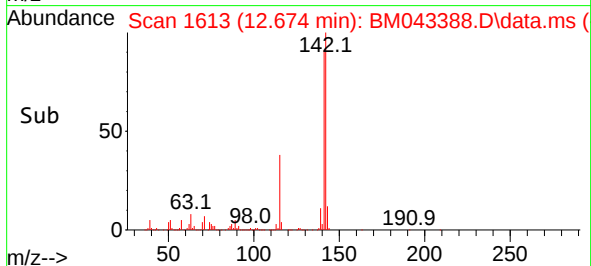
Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.4
116	4.0	3.0	4.6

Manual Integrations

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Supervised By :mohammad ahmed 12/20/2023



#50

Acenaphthylene

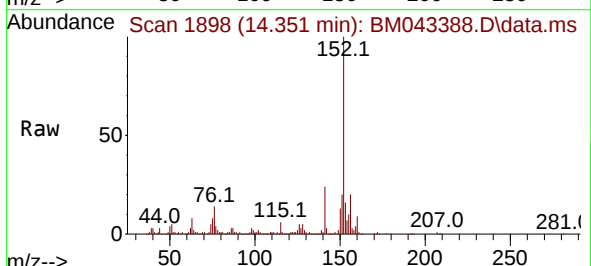
Concen: 2.381 ng/ul

RT: 14.351 min Scan# 1898

Delta R.T. 0.000 min

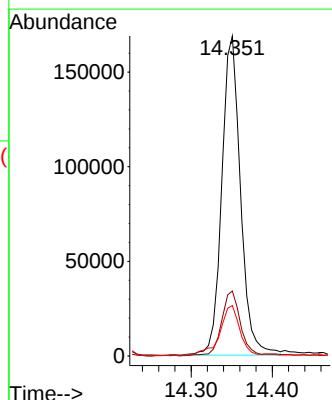
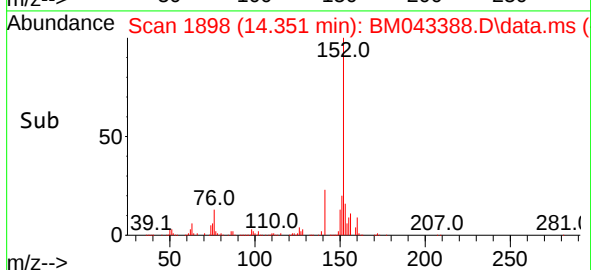
Lab File: BM043388.D

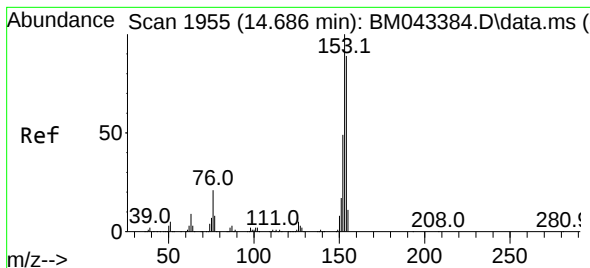
Acq: 18 Dec 2023 12:03



Tgt Ion:152 Resp: 271580

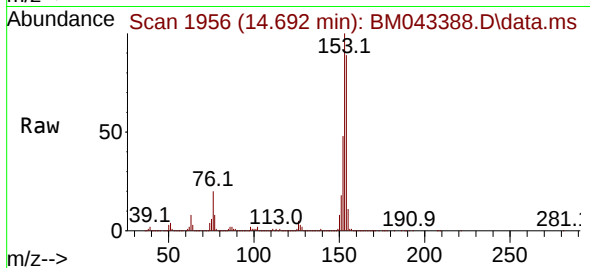
Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.6	23.4
153	15.8	10.2	15.4





#52
Acenaphthene
Concen: 47.947 ng/ul
RT: 14.692 min Scan# 1956
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

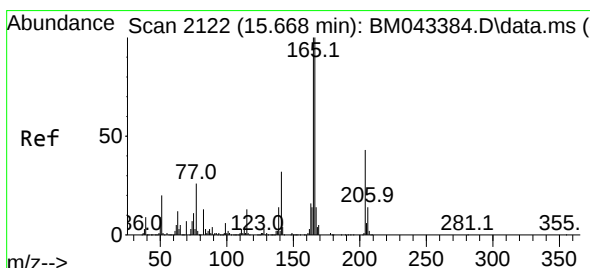
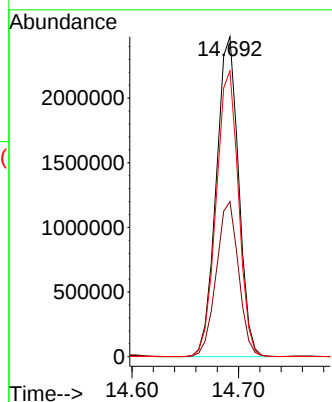
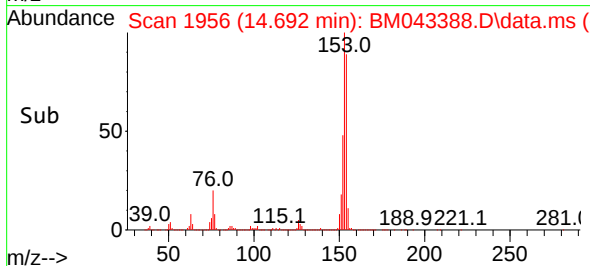
Instrument :
BNA_M
ClientSampleId :
DCLF3



Tgt Ion:153 Resp: 3604970
Ion Ratio Lower Upper
153 100
152 48.5 38.1 57.1
154 89.3 70.4 105.6

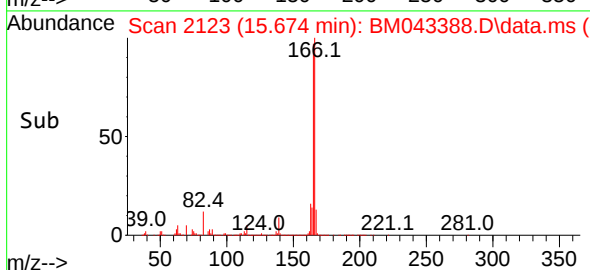
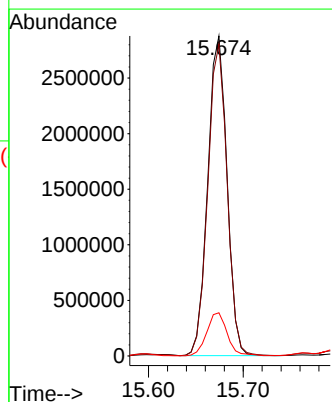
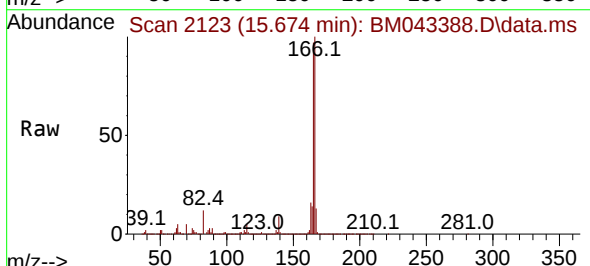
Manual Integrations
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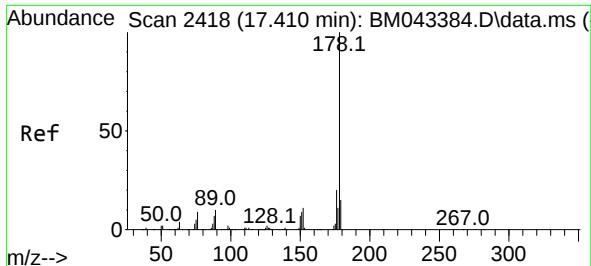
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 48.936 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

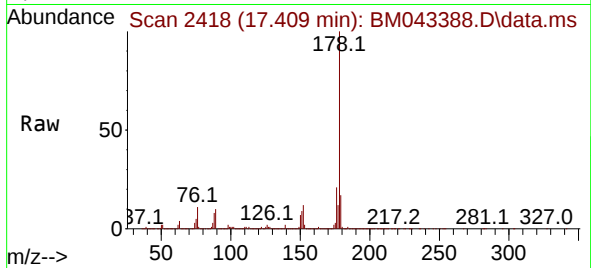
Tgt Ion:166 Resp: 4059563
Ion Ratio Lower Upper
166 100
165 97.4 76.9 115.3
167 13.5 10.9 16.3





#72
Phenanthrene
Concen: 167.082 ng/ul m
RT: 17.409 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

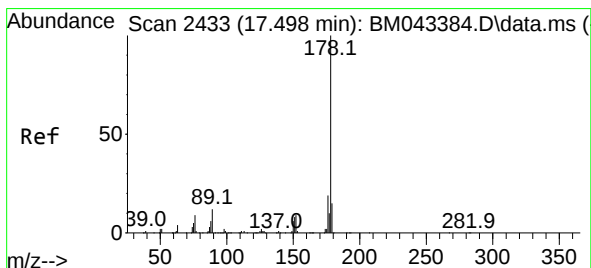
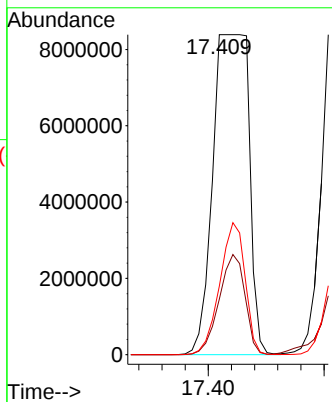
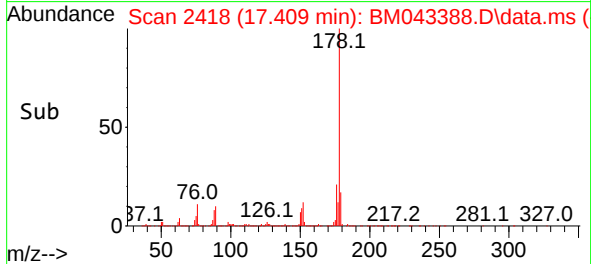
Instrument :
BNA_M
ClientSampleId :
DCLF3



Tgt Ion:178 Resp:1822423
Ion Ratio Lower Upper
178 100
179 17.4 12.2 18.4
176 21.4 15.5 23.3

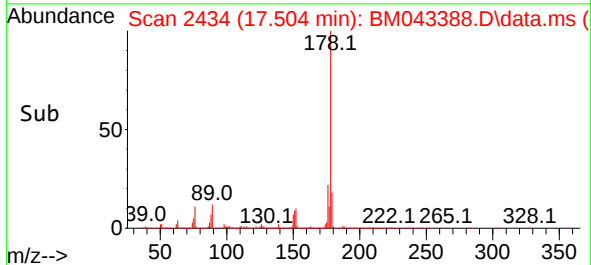
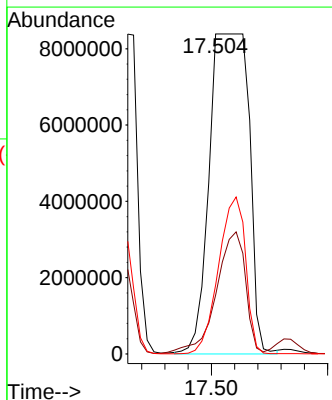
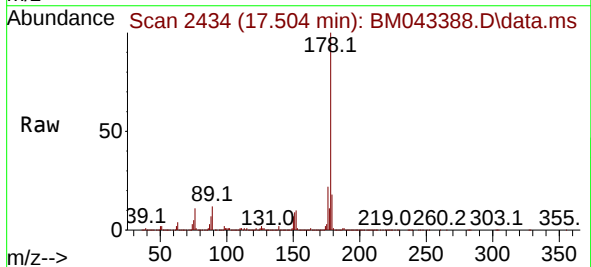
Manual Integrations
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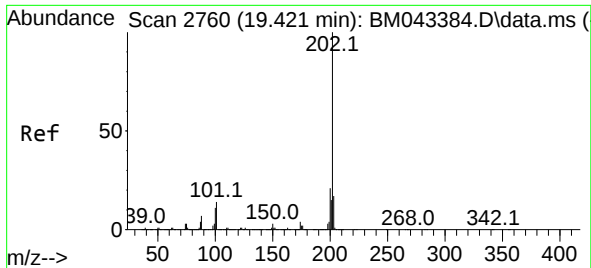
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 180.958 ng/ul m
RT: 17.504 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

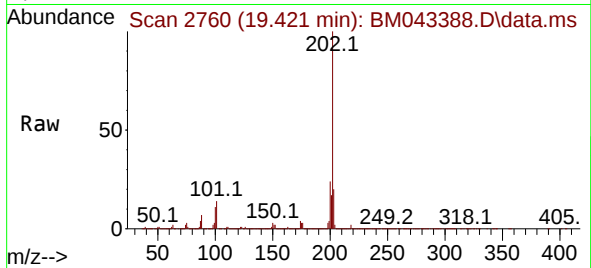
Tgt Ion:178 Resp:19919746
Ion Ratio Lower Upper
178 100
179 18.4 12.4 18.6
176 21.6 15.2 22.8





#80
Fluoranthene
Concen: 138.221 ng/ul m
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

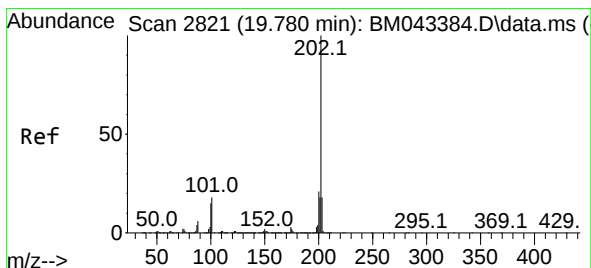
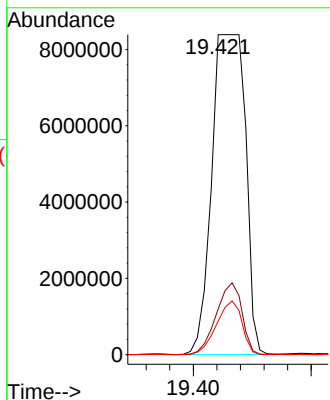
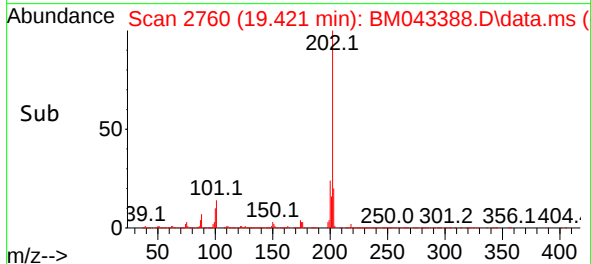
Instrument :
BNA_M
ClientSampleId :
DCLF3



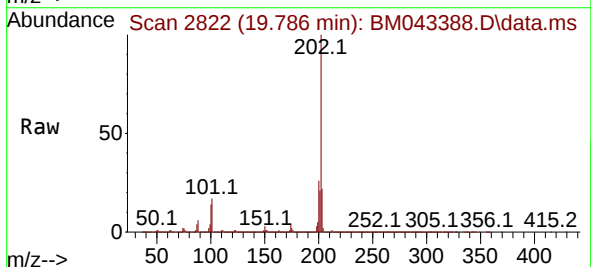
Tgt Ion:202 Resp:16680649
Ion Ratio Lower Upper
202 100
101 14.3 11.4 17.0
100 10.5 8.2 12.4

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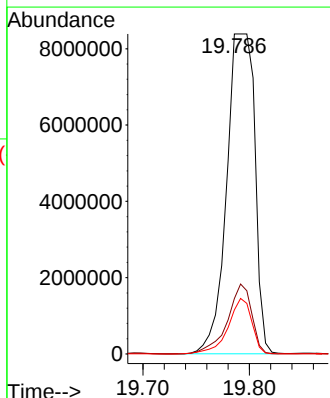
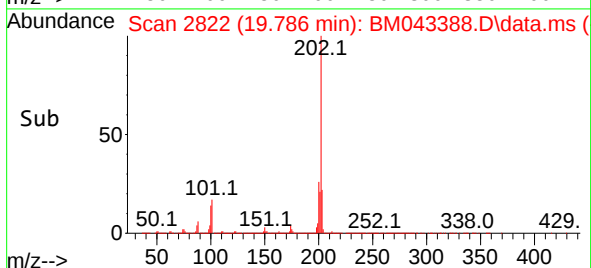
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

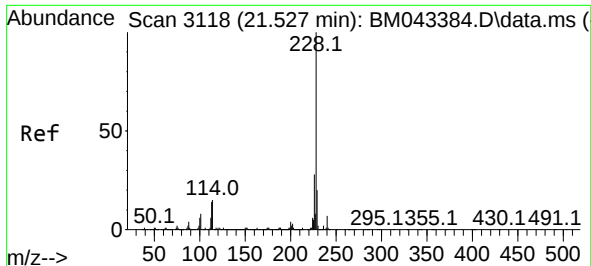


#82
Pyrene
Concen: 124.698 ng/ul
RT: 19.786 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03



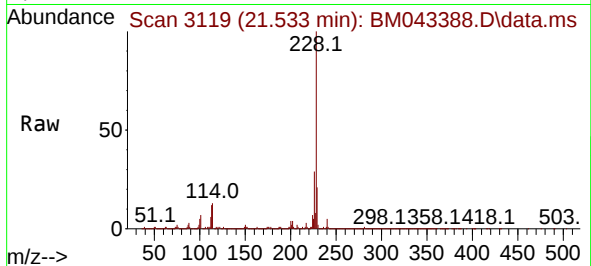
Tgt Ion:202 Resp:15470694
Ion Ratio Lower Upper
202 100
101 17.3 12.7 19.1
100 13.8 10.1 15.1





#85
Benzo(a)anthracene
Concen: 42.990 ng/u1
RT: 21.533 min Scan# 3118
Delta R.T. 0.012 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

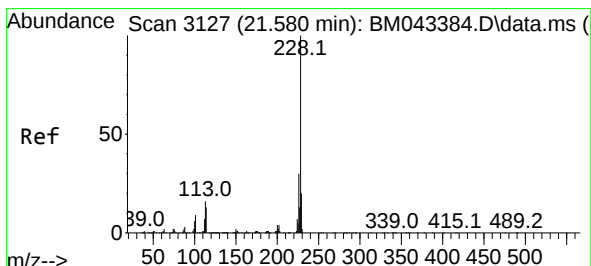
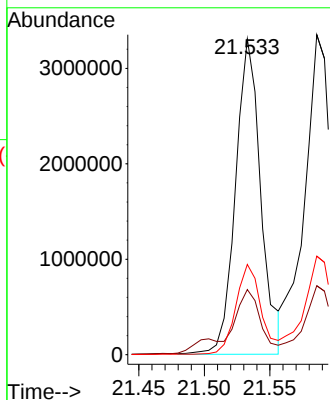
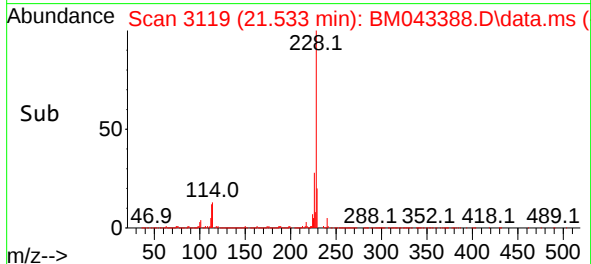
Instrument :
BNA_M
ClientSampleId :
DCLF3



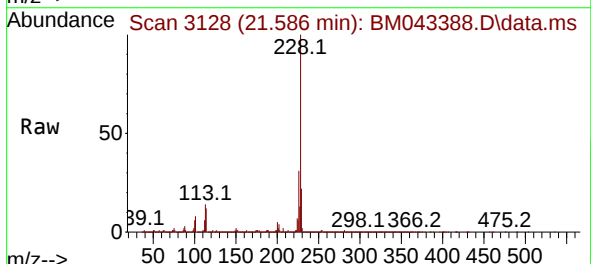
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Ion Ratio Lower Upper
228 100
229 20.6 15.6 23.4
226 28.6 22.2 33.2

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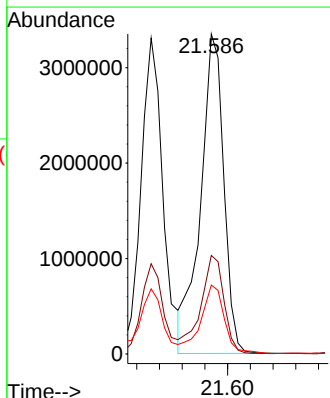
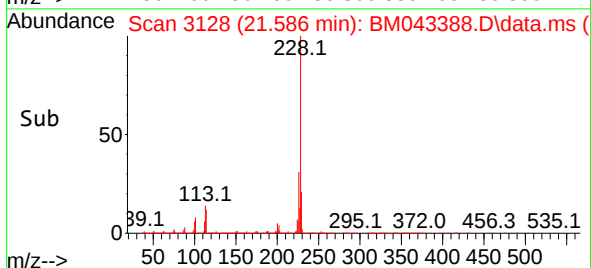
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

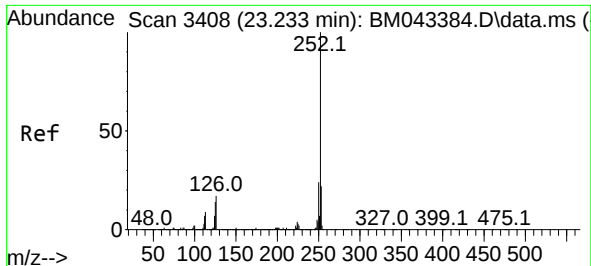


#87
Chrysene
Concen: 51.071 ng/u1
RT: 21.586 min Scan# 3128
Delta R.T. 0.012 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03



Tgt Ion:228 Resp: 4742304
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 21.6 15.9 23.9





#90
Benzo(b)fluoranthene
Concen: 28.110 ng/u1
RT: 23.239 min Scan# 3408
Delta R.T. 0.018 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

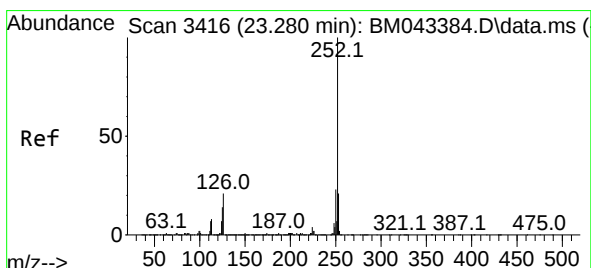
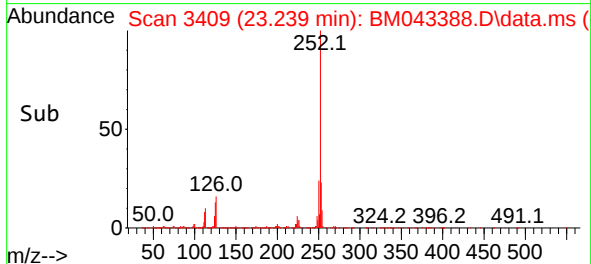
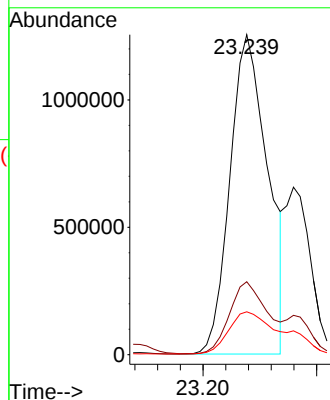
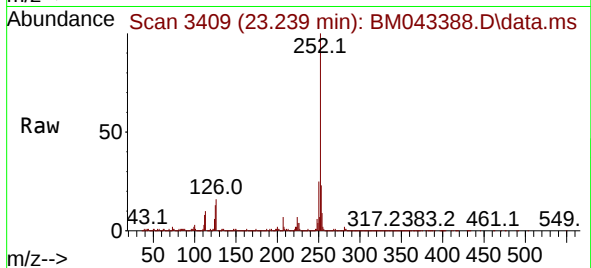
DCLF3

Tgt Ion:252 Resp: 289845
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 13.4 10.4 15.6

Manual Integrations

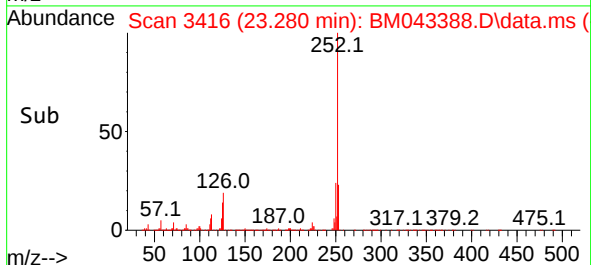
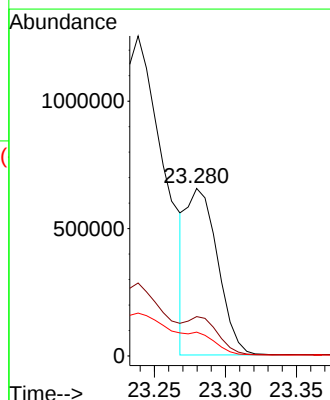
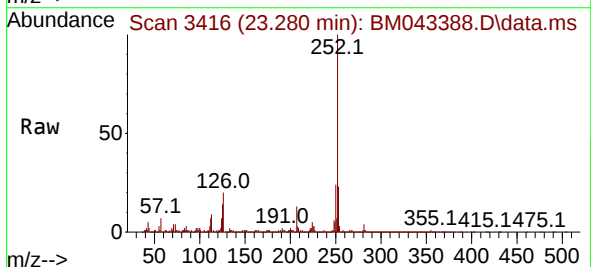
APPROVED

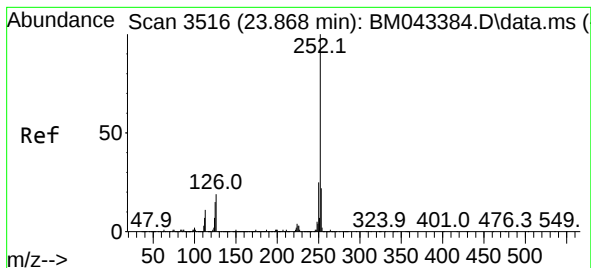
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 9.867 ng/u1
RT: 23.280 min Scan# 3416
Delta R.T. 0.012 min
Lab File: BM043388.D
Acq: 18 Dec 2023 12:03

Tgt Ion:252 Resp: 992269
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 14.3 10.2 15.4





#93

Benzo(a)pyrene

Concen: 16.158 ng/ul

RT: 23.868 min Scan# 3516

Delta R.T. 0.018 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

Tgt Ion:252 Resp: 152004

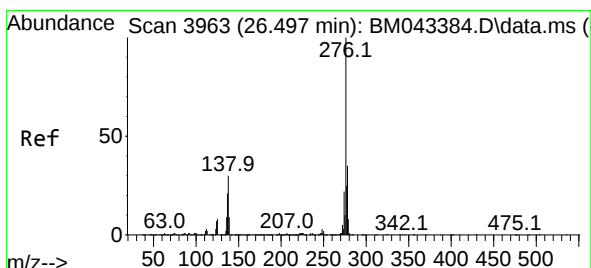
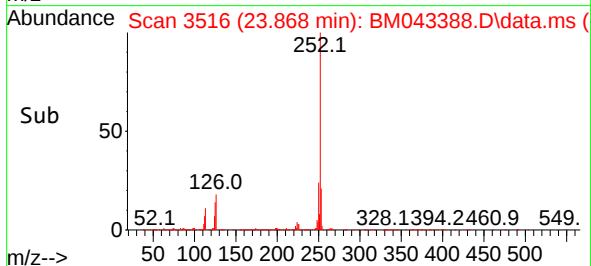
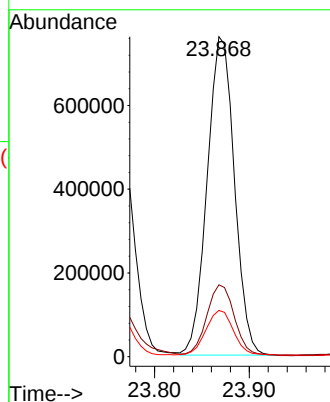
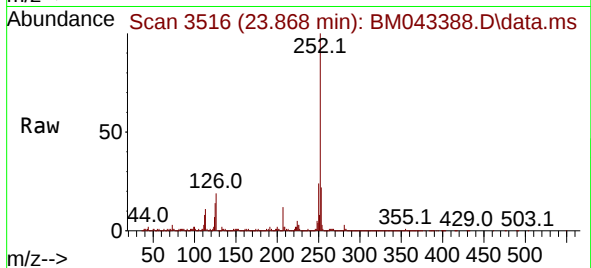
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	14.5	11.4	17.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.249 ng/ul

RT: 26.503 min Scan# 3964

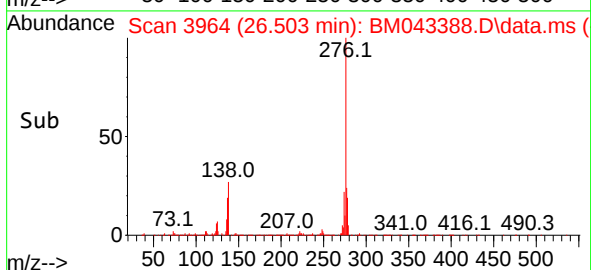
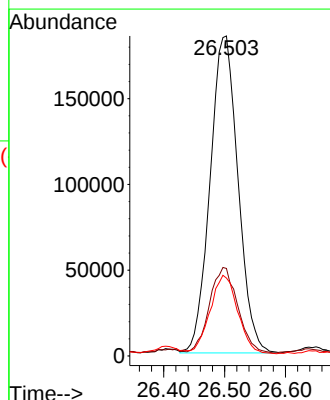
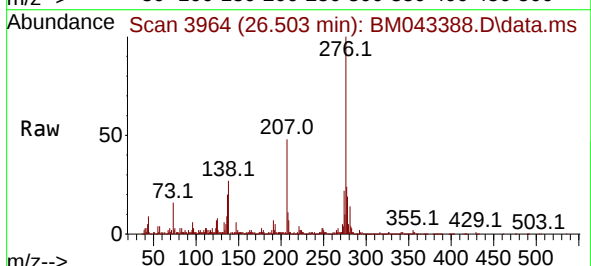
Delta R.T. 0.024 min

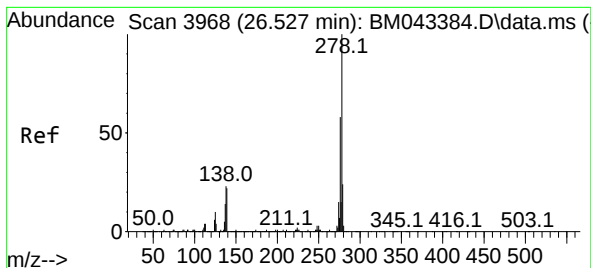
Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Tgt Ion:276 Resp: 589654

Ion	Ratio	Lower	Upper
276	100		
138	27.4	22.6	34.0
277	24.3	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.595 ng/ul

RT: 26.515 min Scan# 3966

Delta R.T. 0.012 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Instrument :

BNA_M

ClientSampleId :

DCLF3

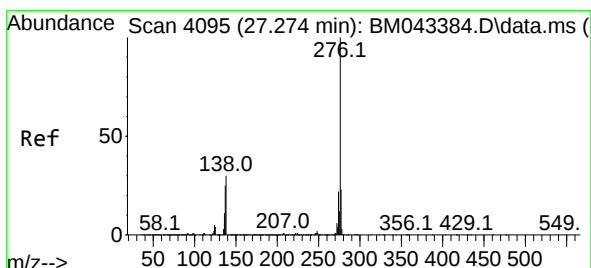
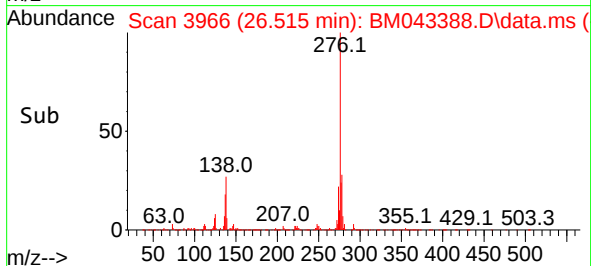
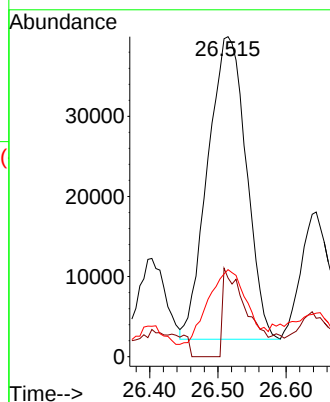
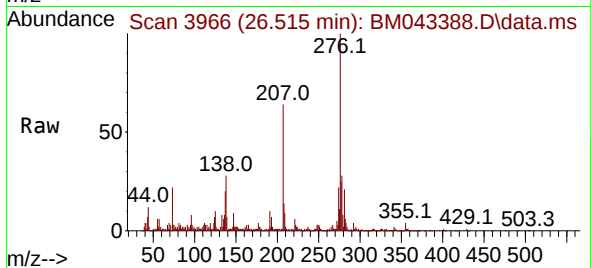
Tgt Ion:	278	Resp:	14836
Ion Ratio	Lower	Upper	
278	100		
139	24.6	16.0	24.0
279	27.2	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 5.095 ng/ul

RT: 27.274 min Scan# 4095

Delta R.T. 0.024 min

Lab File: BM043388.D

Acq: 18 Dec 2023 12:03

Tgt Ion:	276	Resp:	448653
Ion Ratio	Lower	Upper	
276	100		
138	28.1	22.4	33.6
277	23.2	19.1	28.7

