

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043372.D
 Acq On : 15 Dec 2023 23:49
 Operator : MA/JU
 Sample : 05626-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF9

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 00:42:38 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	456943	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2061900	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1194462	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	2129616	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1284372	20.000	ng/u1	0.00
88) Perylene-d12	23.962	264	1400334	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	57601	4.097	ng/uL	0.00
4) Pyridine-d5	3.805	84	828100	20.465	ng/u1	0.00
7) Phenol-d5	7.151	99	1203741	23.157	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	761421	23.129	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	910718	22.946	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	980665	24.312	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	472364	23.678	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	492229	23.880	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	874514	24.034	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1275572	23.828	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2653352	24.676	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	3180412	24.934	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	441076	21.673	ng/u1	0.00
60) Fluorene-d10	15.616	176	2242594	25.222	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	250311	17.772	ng/u1	0.00
73) Anthracene-d10	17.462	188	3050827	25.544	ng/u1	0.00
81) Pyrene-d10	19.751	212	2764054	27.259	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	2197065	25.425	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.857	128	7766434	59.101	ng/u1	99
36) 2-Methylnaphthalene	12.457	142	668740	7.476	ng/u1	99
37) 1-Methylnaphthalene	12.675	142	391928	4.344	ng/u1	100
52) Acenaphthene	14.686	153	480568	4.978	ng/u1	100
61) Fluorene	15.668	166	161940	1.520	ng/u1	99
72) Phenanthrene	17.410	178	343988	2.383	ng/u1	99
74) Anthracene	17.498	178	161606	1.109	ng/u1	98
80) Fluoranthene	19.415	202	677416	5.395	ng/u1	99
82) Pyrene	19.780	202	651163	5.044	ng/u1	100
85) Benzo(a)anthracene	21.521	228	256288	2.386	ng/u1	96
87) Chrysene	21.574	228	482096	4.990	ng/u1	99
90) Benzo(b)fluoranthene	23.221	252	826243	7.699	ng/u1	99
91) Benzo(k)fluoranthene	23.262	252	218957m	2.092	ng/u1	
93) Benzo(a)pyrene	23.850	252	247489	2.528	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.474	276	223319	1.910	ng/u1	97
96) Benzo(g,h,i)perylene	27.250	276	173217	1.890	ng/u1	99

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

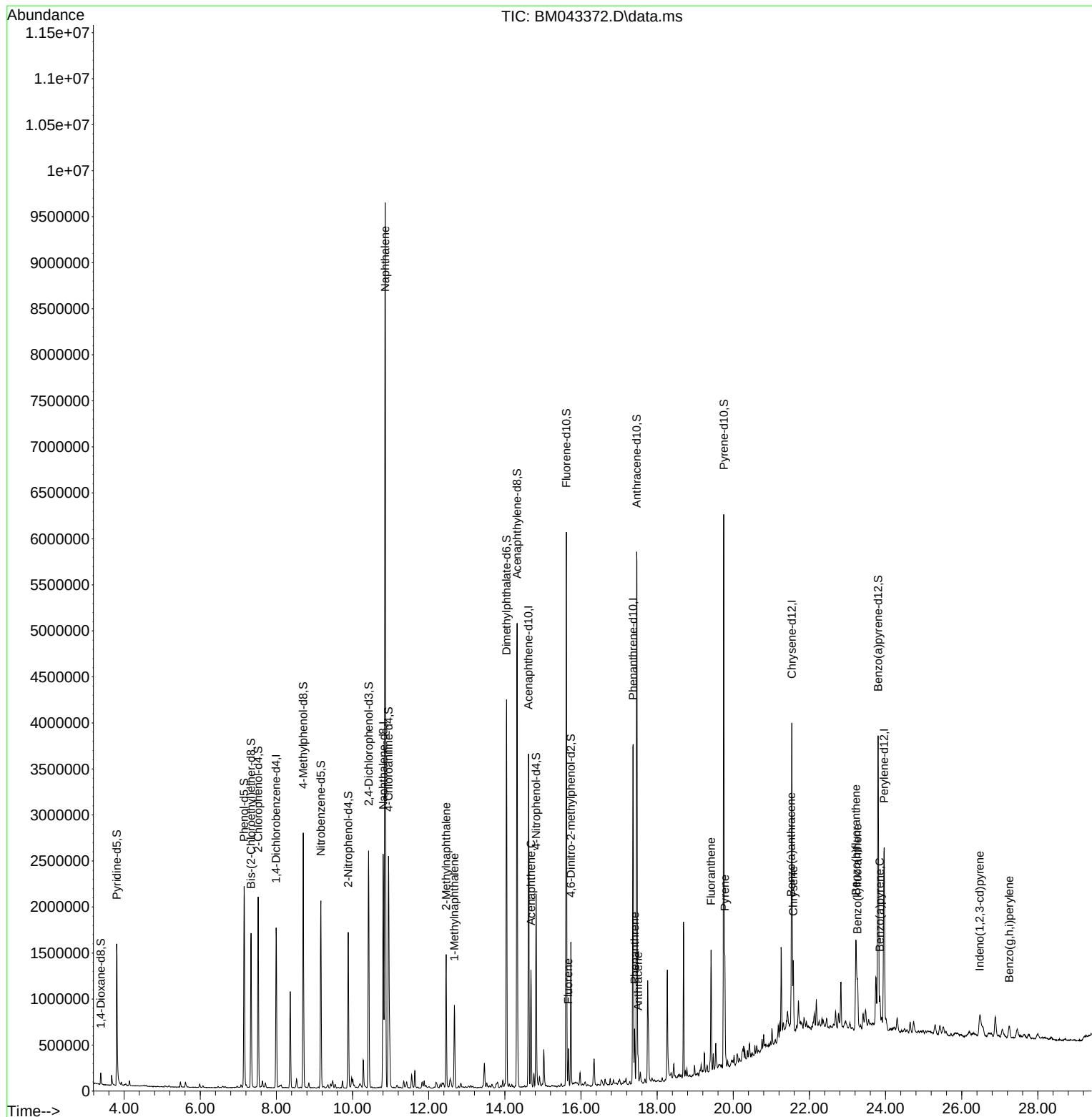
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043372.D
 Acq On : 15 Dec 2023 23:49
 Operator : MA/JU
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 ALS Vial : 21 Sample Multiplier: 1

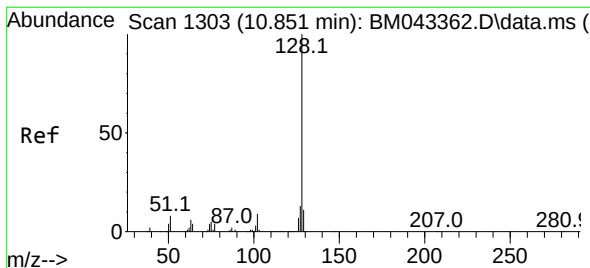
Instrument :
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 ClientSampleId :
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Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 12/16/2023

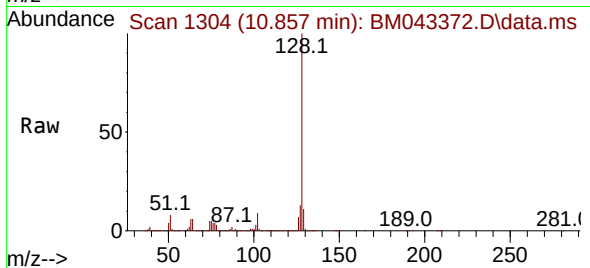
Quant Time: Dec 16 00:42:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 59.101 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

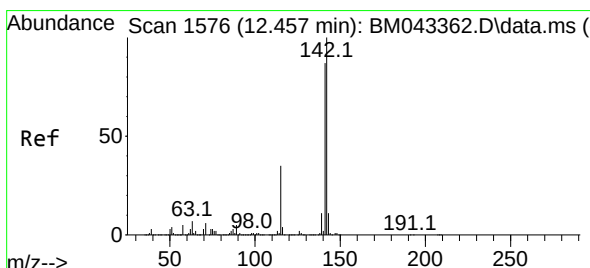
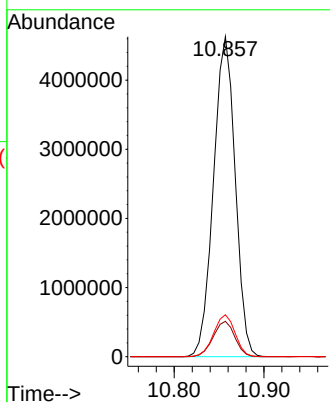
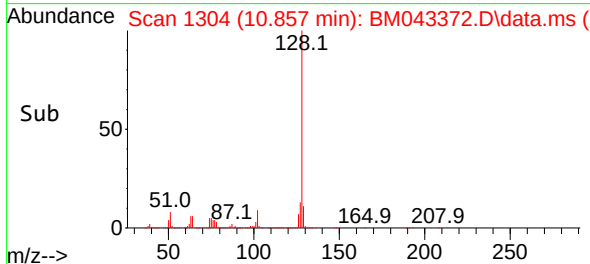
Instrument :
BNA_M
ClientSampleId :
DCLF9



Tgt Ion:128 Resp: 7766434
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.2 15.4

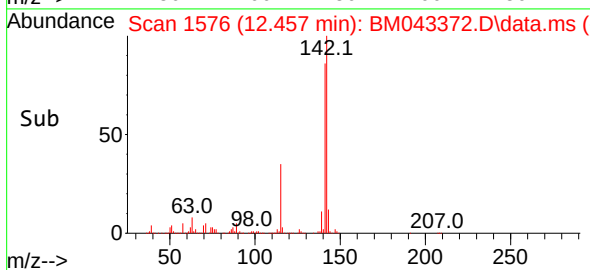
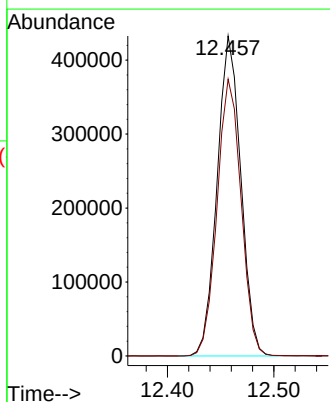
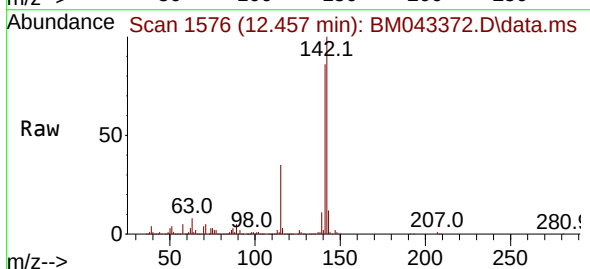
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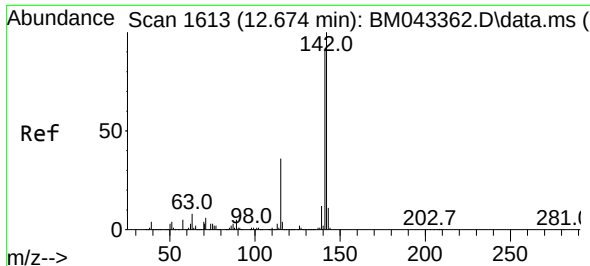
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#36
2-Methylnaphthalene
Concen: 7.476 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

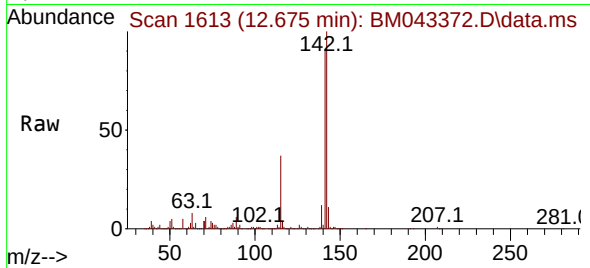
Tgt Ion:142 Resp: 668740
Ion Ratio Lower Upper
142 100
141 86.5 69.9 104.9





#37
1-Methylnaphthalene
Concen: 4.344 ng/ul
RT: 12.675 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

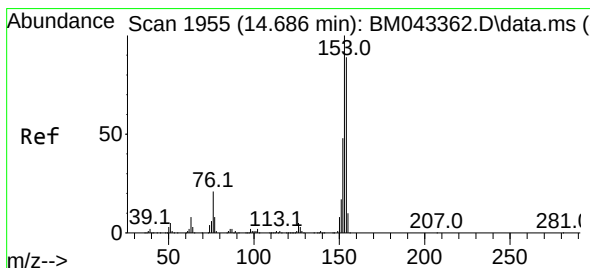
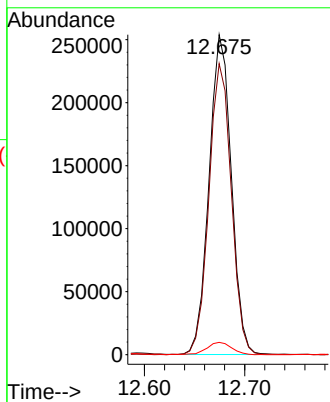
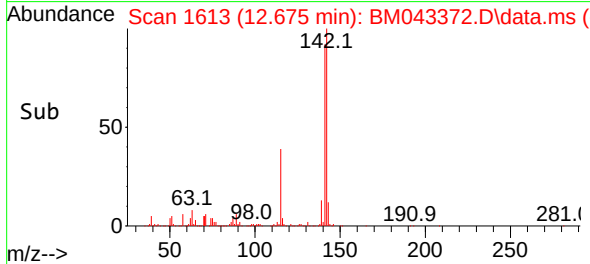
Instrument :
BNA_M
ClientSampleId :
DCLF9



Tgt Ion:142 Resp: 391928
Ion Ratio Lower Upper
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141 91.0 73.0 109.4
116 3.8 3.0 4.6

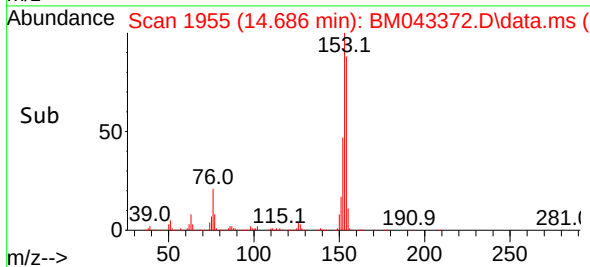
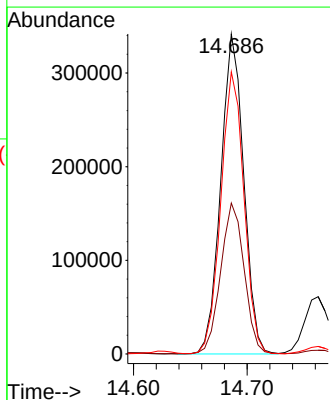
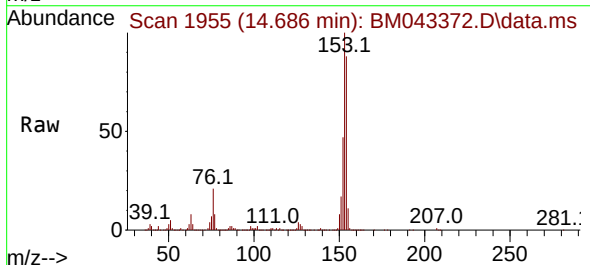
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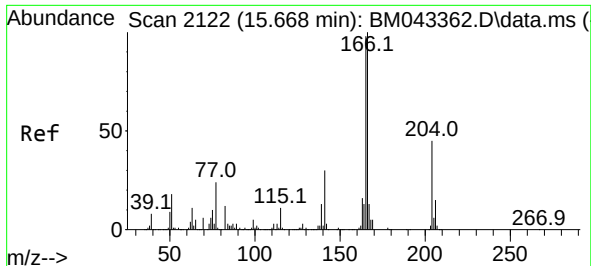
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 4.978 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

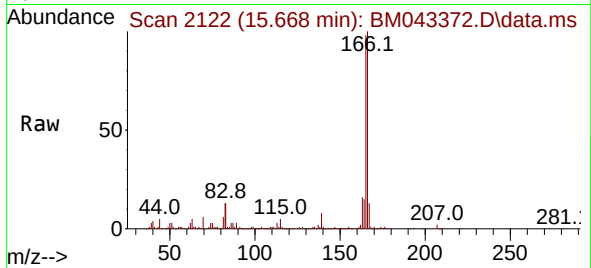
Tgt Ion:153 Resp: 480568
Ion Ratio Lower Upper
153 100
152 47.1 38.1 57.1
154 88.1 70.4 105.6





#61
Fluorene
Concen: 1.520 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

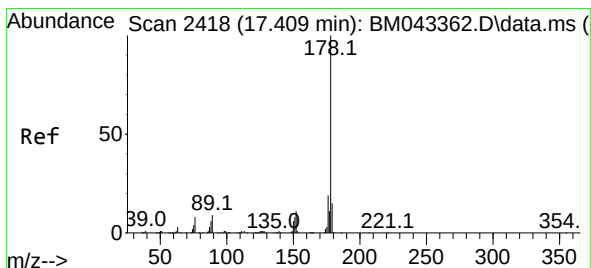
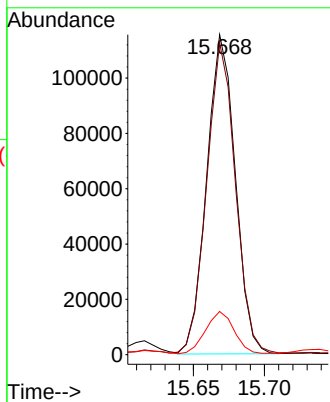
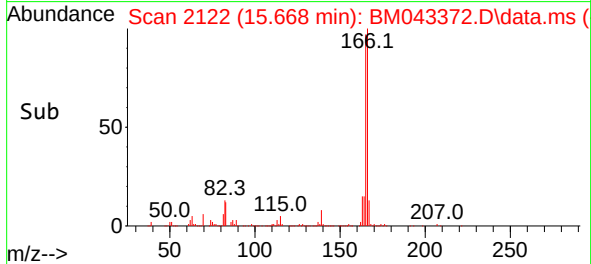
Instrument :
BNA_M
ClientSampleId :
DCLF9



Tgt Ion:166 Resp: 161940
Ion Ratio Lower Upper
166 100
165 97.5 76.9 115.3
167 13.5 10.9 16.3

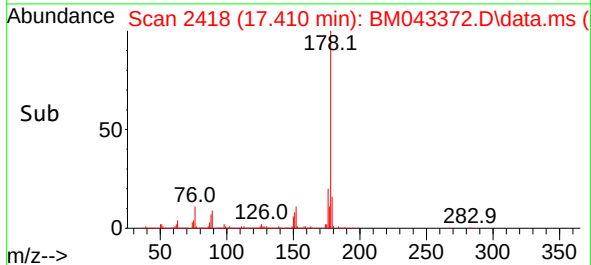
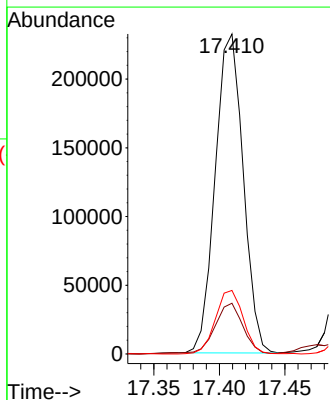
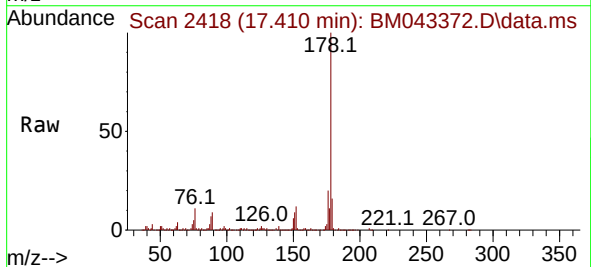
Manual Integrations
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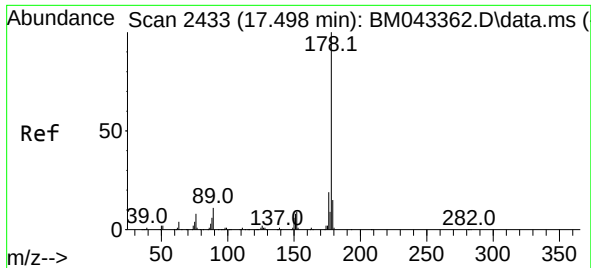
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#72
Phenanthrene
Concen: 2.383 ng/ul
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

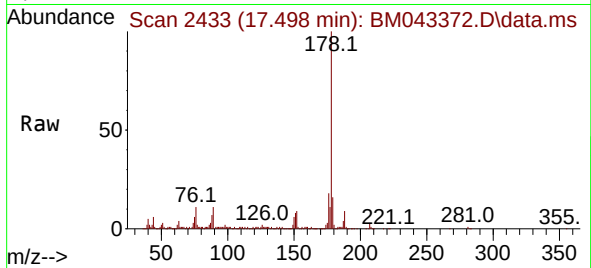
Tgt Ion:178 Resp: 343988
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 19.9 15.5 23.3





#74
 Anthracene
 Concen: 1.109 ng/ul
 RT: 17.498 min Scan# 2433
 Delta R.T. 0.000 min
 Lab File: BM043372.D
 Acq: 15 Dec 2023 23:49

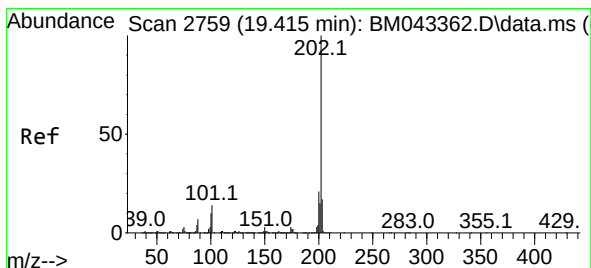
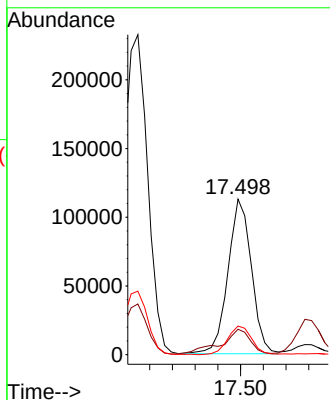
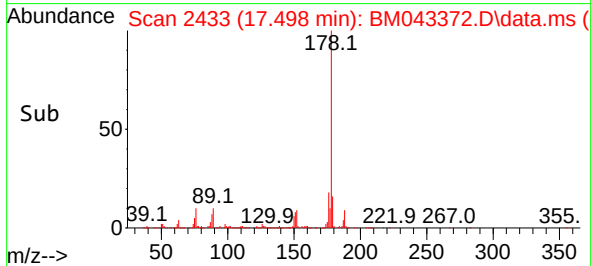
Instrument :
 BNA_M
 ClientSampleId :
 DCLF9



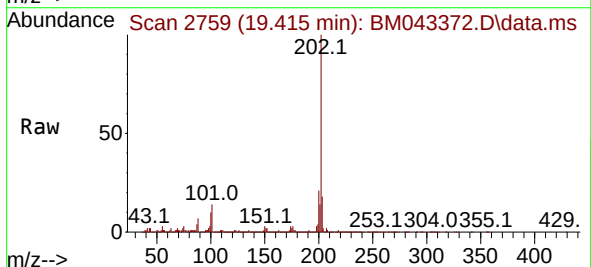
Tgt Ion:178 Resp: 161600
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.4 18.6
 176 18.4 15.2 22.8

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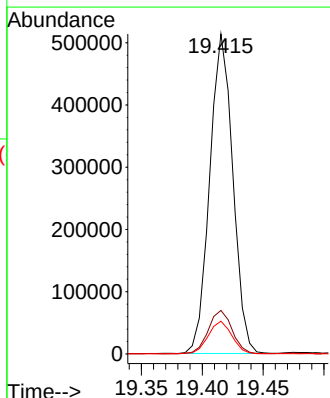
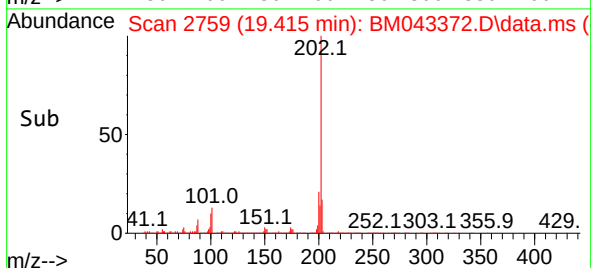
Reviewed By :Yogesh Patel 12/16/2023
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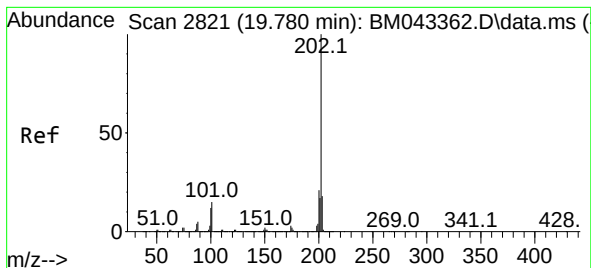


#80
 Fluoranthene
 Concen: 5.395 ng/ul
 RT: 19.415 min Scan# 2759
 Delta R.T. 0.000 min
 Lab File: BM043372.D
 Acq: 15 Dec 2023 23:49



Tgt Ion:202 Resp: 677416
 Ion Ratio Lower Upper
 202 100
 101 13.6 11.4 17.0
 100 10.2 8.2 12.4





#82

Pyrene

Concen: 5.044 ng/ul

RT: 19.780 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BM043372.D

Acq: 15 Dec 2023 23:49

Instrument :

BNA_M

ClientSampleId :

DCLF9

Tgt Ion:202 Resp: 65116

Ion Ratio Lower Upper

202 100

101 15.8 12.7 19.1

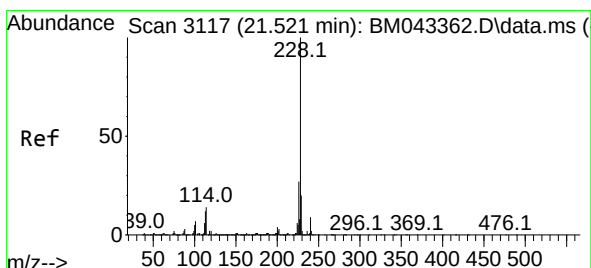
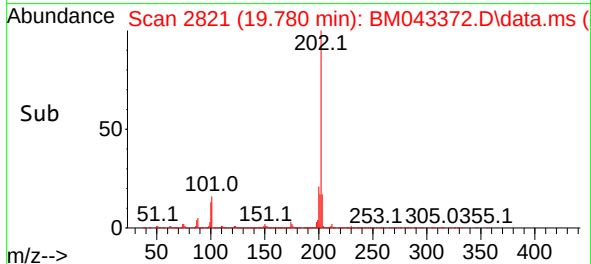
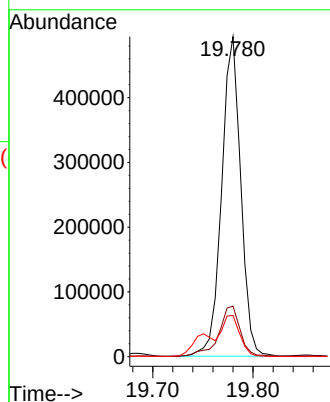
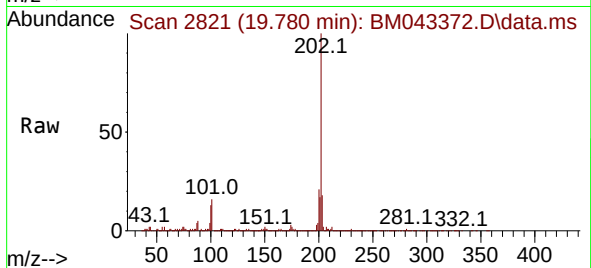
100 12.9 10.1 15.1

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#85

Benzo(a)anthracene

Concen: 2.386 ng/ul

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM043372.D

Acq: 15 Dec 2023 23:49

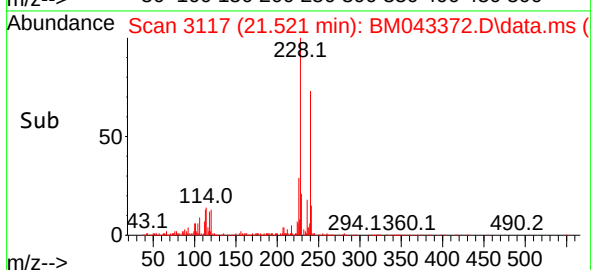
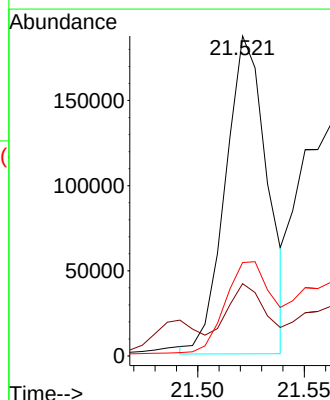
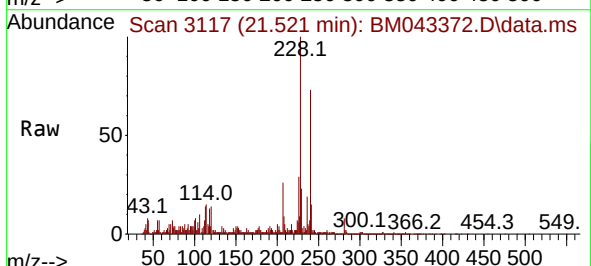
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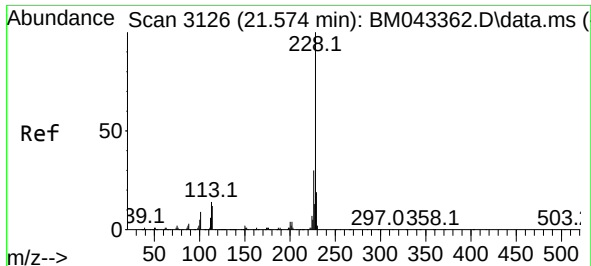
Ion Ratio Lower Upper

228 100

229 22.6 15.6 23.4

226 29.2 22.2 33.2





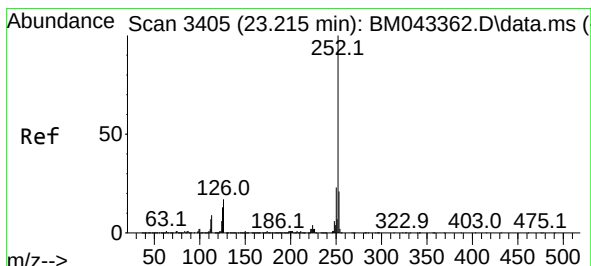
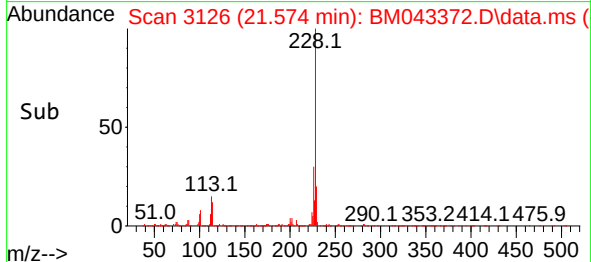
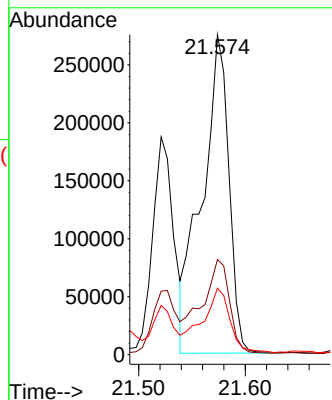
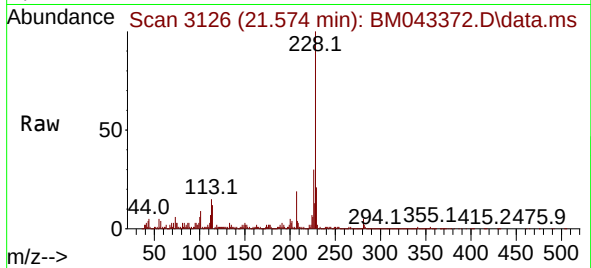
#87
Chrysene
Concen: 4.990 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

Instrument :
BNA_M
ClientSampleId :
DCLF9

Tgt Ion:228 Resp: 482090
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 20.8 15.9 23.9

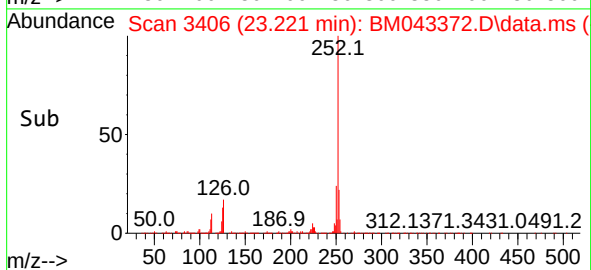
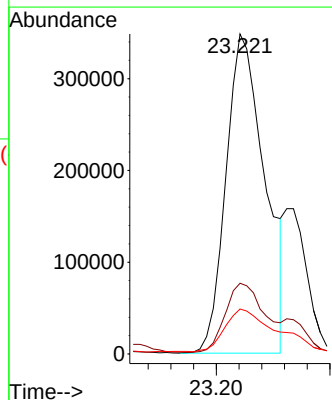
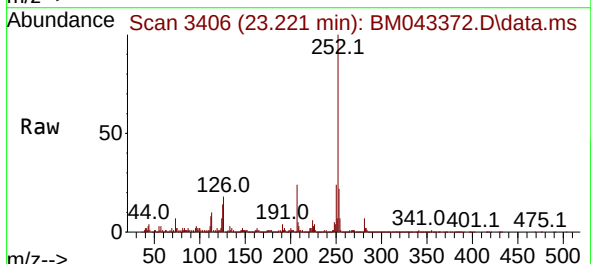
Manual Integrations
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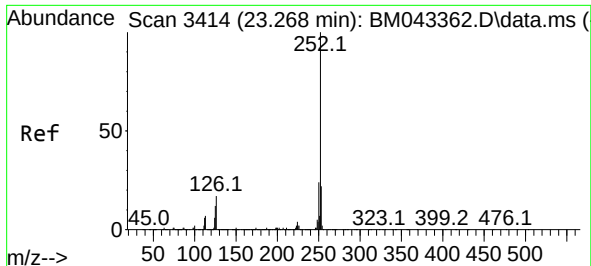
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#90
Benzo(b)fluoranthene
Concen: 7.699 ng/ul
RT: 23.221 min Scan# 3406
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

Tgt Ion:252 Resp: 826243
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 14.0 10.4 15.6





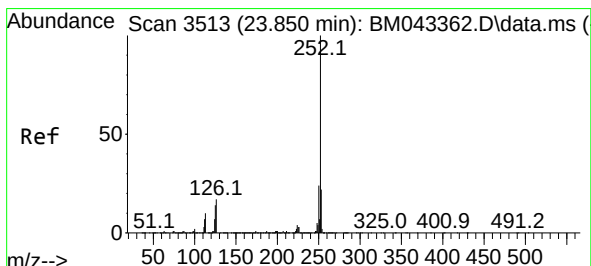
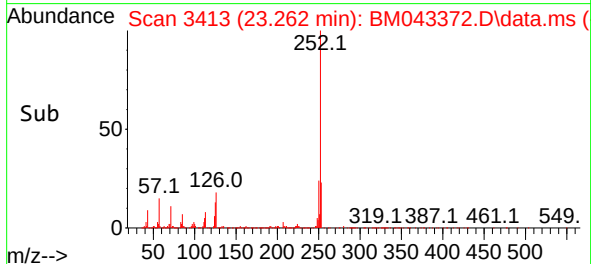
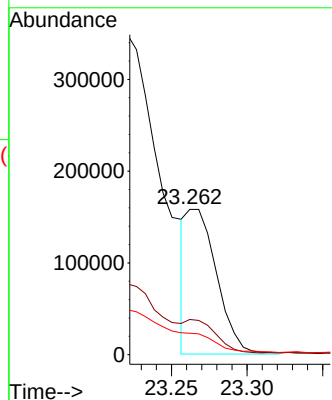
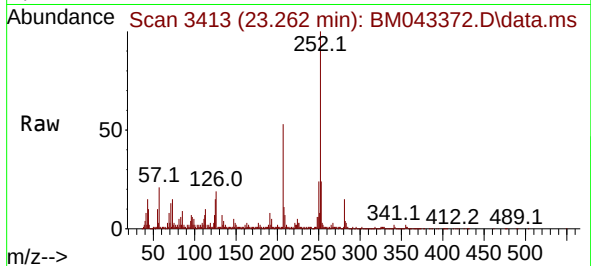
#91
Benzo(k)fluoranthene
Concen: 2.092 ng/ul m
RT: 23.262 min Scan# 3414
Delta R.T. -0.006 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

Instrument :
BNA_M
ClientSampleId :
DCLF9

Tgt Ion:252 Resp: 21895
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 14.8 10.2 15.4

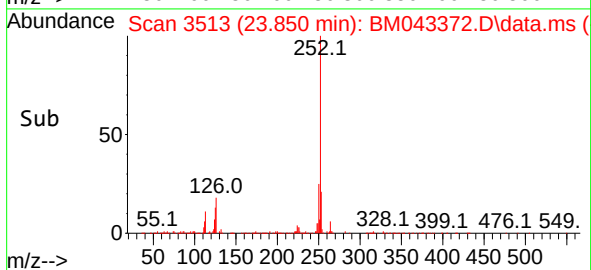
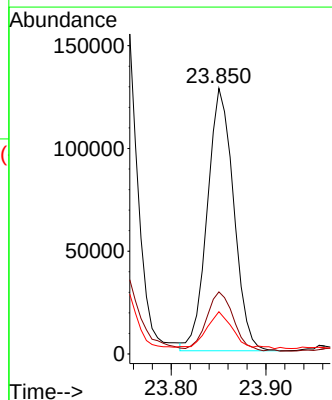
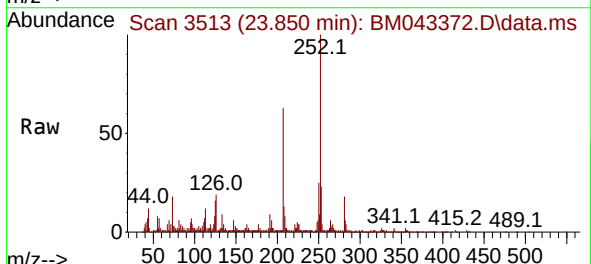
Manual Integrations
APPROVED

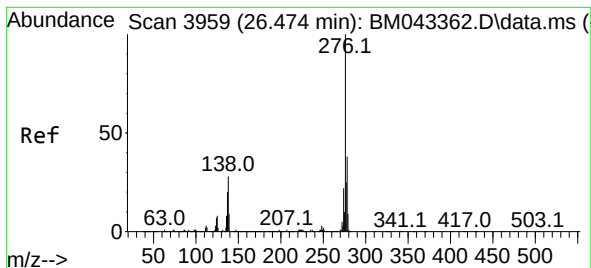
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#93
Benzo(a)pyrene
Concen: 2.528 ng/ul
RT: 23.850 min Scan# 3513
Delta R.T. 0.000 min
Lab File: BM043372.D
Acq: 15 Dec 2023 23:49

Tgt Ion:252 Resp: 247489
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 15.9 11.4 17.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.910 ng/ul

RT: 26.474 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BM043372.D

Acq: 15 Dec 2023 23:49

Instrument :

BNA_M

ClientSampleId :

DCLF9

Tgt Ion:276 Resp: 223319

Ion Ratio Lower Upper

276 100

138 27.4 22.6 34.0

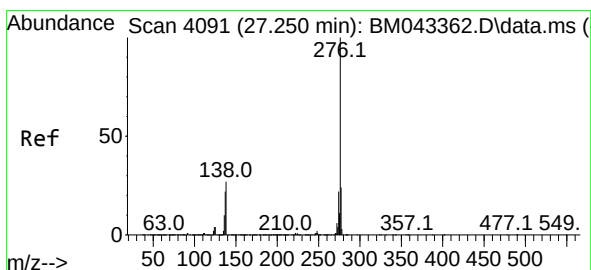
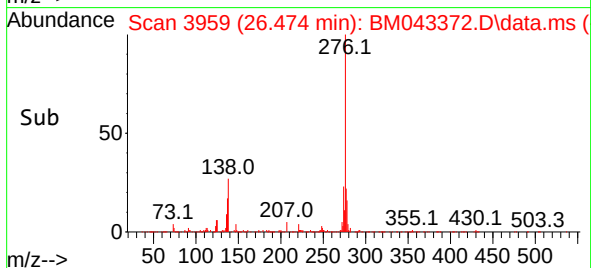
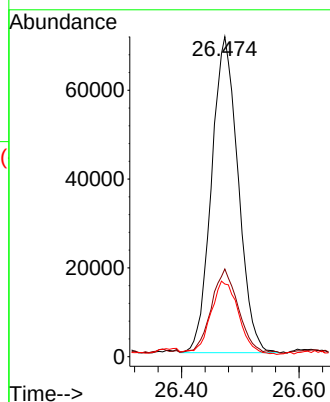
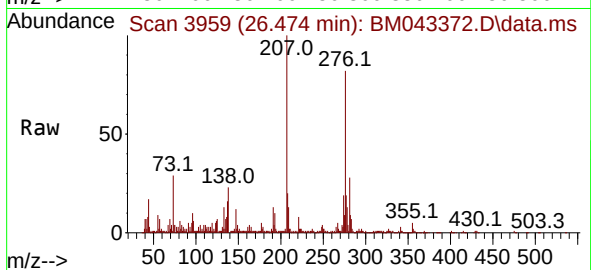
277 22.7 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#96

Benzo(g,h,i)perylene

Concen: 1.890 ng/ul

RT: 27.250 min Scan# 4091

Delta R.T. 0.000 min

Lab File: BM043372.D

Acq: 15 Dec 2023 23:49

Tgt Ion:276 Resp: 173217

Ion Ratio Lower Upper

276 100

138 28.4 22.4 33.6

277 24.5 19.1 28.7

