

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100324\
 Data File : BM047870.D
 Acq On : 05 Oct 2024 10:09
 Operator : RC/JU
 Sample : P4083-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4ES1

Manual Integrations
 APPROVED

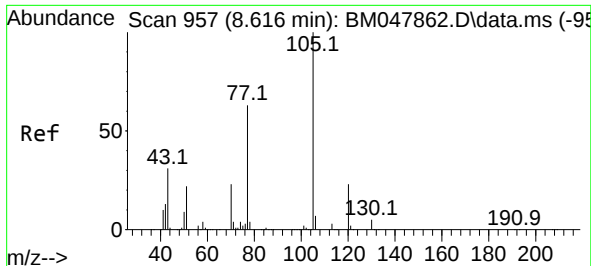
Reviewed By :Yogesh Patel 10/06/2024
 Supervised By :mohammad ahmed 10/06/2024

Quant Time: Oct 05 23:13:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 08:32:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	337787	20.000	ng/u1	0.00
20) Naphthalene-d8	10.586	136	1333805	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.433	164	789911	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.168	188	1618439	20.000	ng/u1	0.00
79) Chrysene-d12	21.398	240	1546196	20.000	ng/u1	0.00
88) Perylene-d12	24.397	264	1788643	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	9614	0.920	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.963	99	157627	4.935	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	122842	5.420	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	144197	6.205	ng/u1	0.00
15) 4-Methylphenol-d8	8.504	113	86710	3.651	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	67684	6.373	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	64486	6.336	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	129233	6.357	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	24897m	0.792	ng/u1	0.00
46) Dimethylphthalate-d6	13.839	166	396559	6.924	ng/u1	0.00
49) Acenaphthylene-d8	14.122	160	454824	6.698	ng/u1	0.00
54) 4-Nitrophenol-d4	14.627	143	45307m	3.974	ng/u1	0.00
60) Fluorene-d10	15.421	176	363377	7.325	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.533	200	34583	3.652	ng/u1	0.00
73) Anthracene-d10	17.268	188	572390	7.193	ng/u1	0.00
81) Pyrene-d10	19.556	212	580590	6.616	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.186	264	407129	4.387	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.616	105	153467	3.777	ng/u1	96
30) Naphthalene	10.639	128	120416	1.570	ng/u1	99
52) Acenaphthene	14.492	153	166431	3.075	ng/u1	97
56) Dibenzofuran	14.827	168	122702	1.684	ng/u1	100
61) Fluorene	15.474	166	205604	3.382	ng/u1	100
72) Phenanthrene	17.215	178	3514381	37.028	ng/u1	99
74) Anthracene	17.304	178	747762	7.725	ng/u1	100
77) Carbazole	17.568	167	331246	3.775	ng/u1	99
80) Fluoranthene	19.227	202	5661012	54.774	ng/u1	99
82) Pyrene	19.586	202	3569289	31.029	ng/u1	96
85) Benzo(a)anthracene	21.380	228	2426682	22.415	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.303	149	381828	6.254	ng/u1#	97
87) Chrysene	21.439	228	2394163	22.685	ng/u1	96
90) Benzo(b)fluoranthene	23.450	252	3272544	29.339	ng/u1	98
91) Benzo(k)fluoranthene	23.509	252	1099182m	9.637	ng/u1	
93) Benzo(a)pyrene	24.250	252	957680	9.040	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.768	276	979352	7.214	ng/u1	98
95) Dibenzo(a,h)anthracene	27.815	278	383204	3.444	ng/u1#	93
96) Benzo(g,h,i)perylene	28.826	276	127287	1.197	ng/u1#	89

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



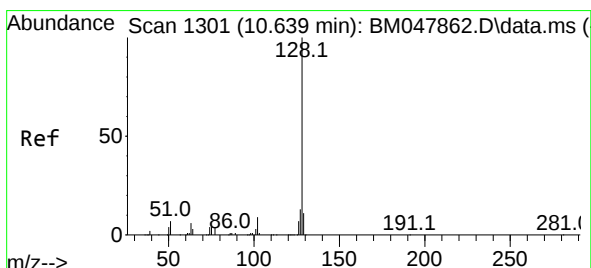
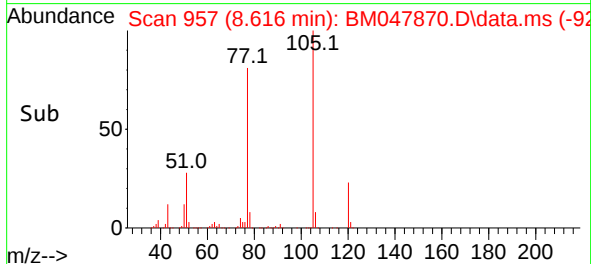
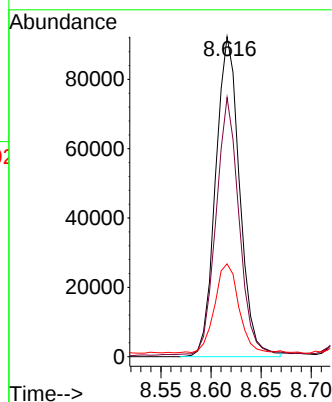
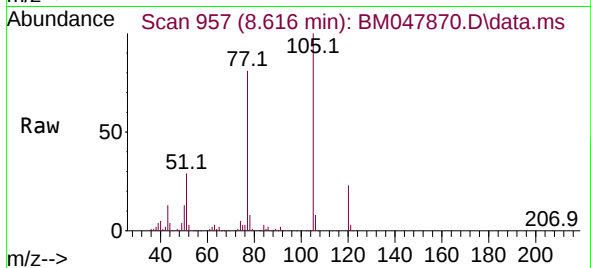
#16
Acetophenone
Concen: 3.777 ng/ul
RT: 8.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

Instrument :
BNA_M
ClientSampleId :
A4ES1

Tgt Ion:105 Resp: 15346
Ion Ratio Lower Upper
105 100
77 81.0 66.6 100.0
51 29.0 27.0 40.4

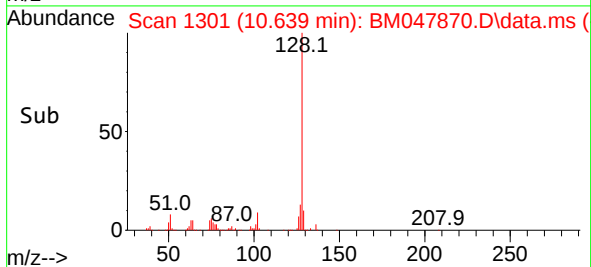
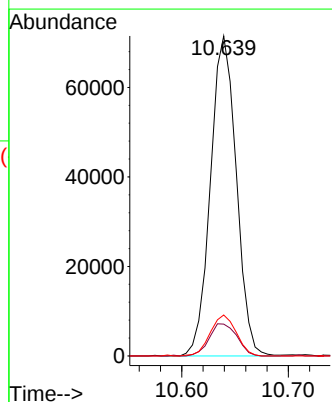
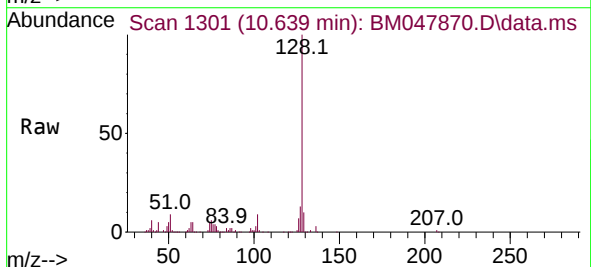
Manual Integrations
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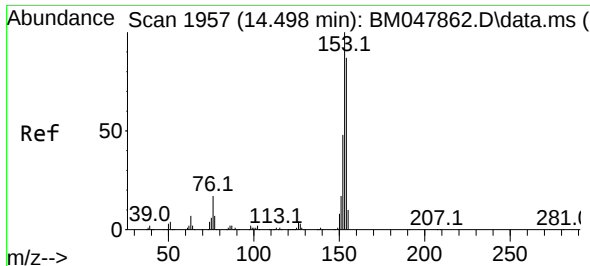
Reviewed By :Yogesh Patel 10/06/2024
Supervised By :mohammad ahmed 10/06/2024



#30
Naphthalene
Concen: 1.570 ng/ul
RT: 10.639 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

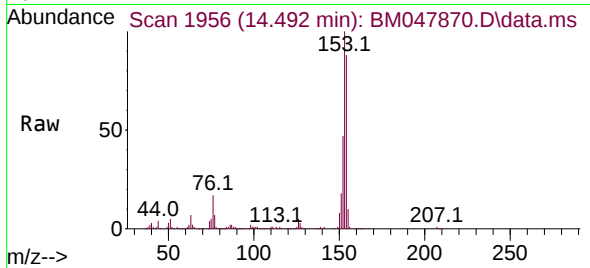
Tgt Ion:128 Resp: 120416
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 12.8 10.4 15.6





#52
Acenaphthene
Concen: 3.075 ng/u1
RT: 14.492 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

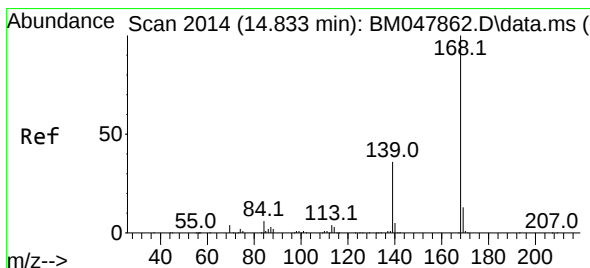
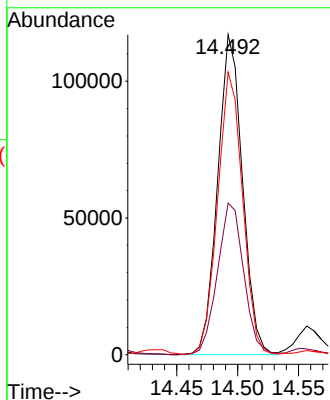
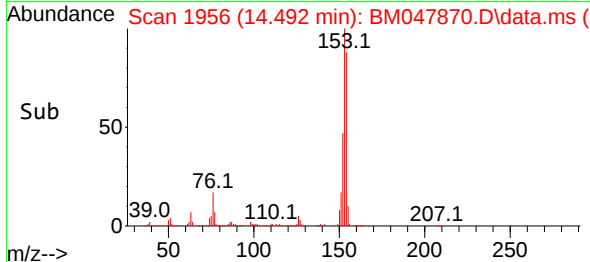
Instrument :
BNA_M
ClientSampleId :
A4ES1



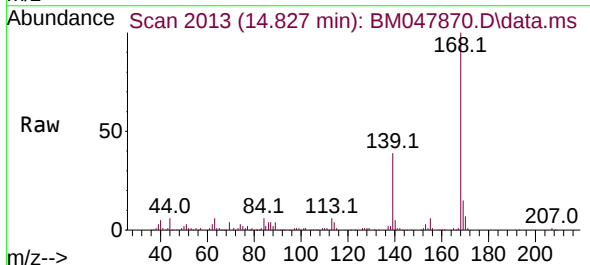
Tgt Ion:153 Resp: 166431
Ion Ratio Lower Upper
153 100
152 47.4 39.7 59.5
154 88.3 72.6 108.8

Manual Integrations
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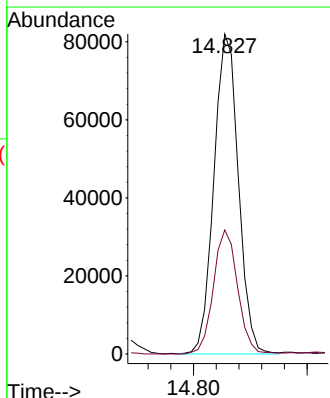
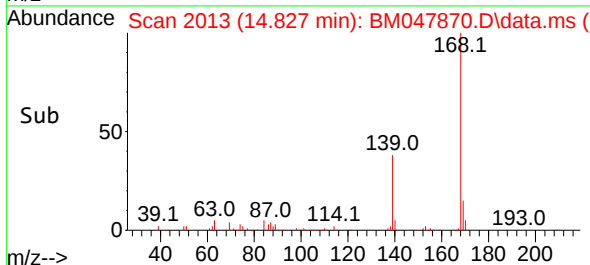
Reviewed By :Yogesh Patel 10/06/2024
Supervised By :mohammad ahmed 10/06/2024

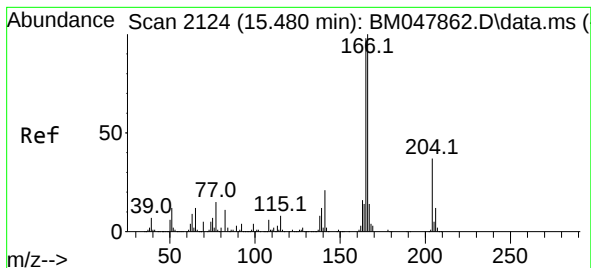


#56
Dibenzofuran
Concen: 1.684 ng/u1
RT: 14.827 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09



Tgt Ion:168 Resp: 122702
Ion Ratio Lower Upper
168 100
139 38.8 31.0 46.6





#61

Fluorene

Concen: 3.382 ng/ul

RT: 15.474 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

Instrument :

BNA_M

ClientSampleId :

A4ES1

Tgt Ion:166 Resp: 205604

Ion Ratio Lower Upper

166 100

165 97.0 77.8 116.6

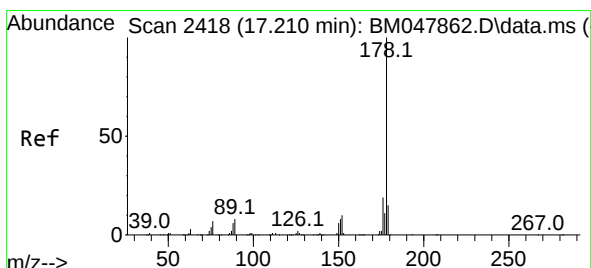
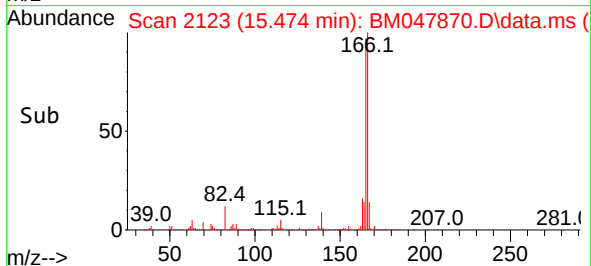
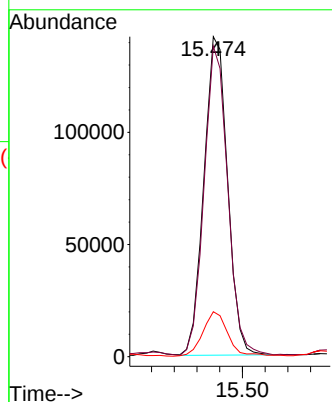
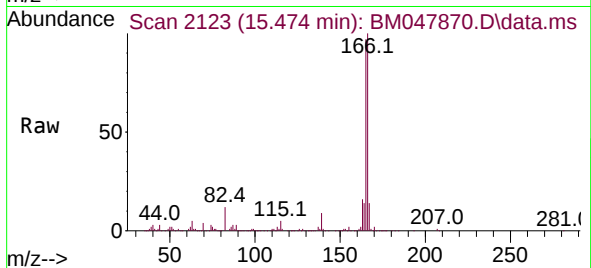
167 14.0 10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/06/2024

Supervised By :mohammad ahmed 10/06/2024



#72

Phenanthrene

Concen: 37.028 ng/ul

RT: 17.215 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

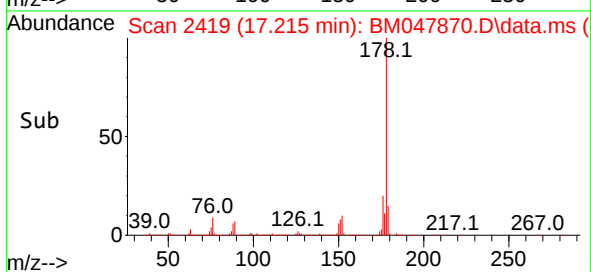
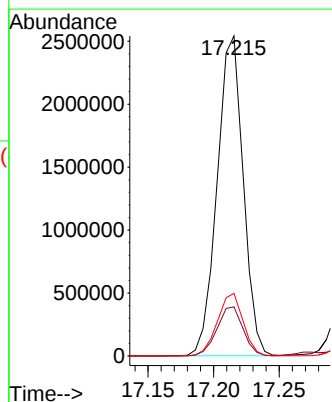
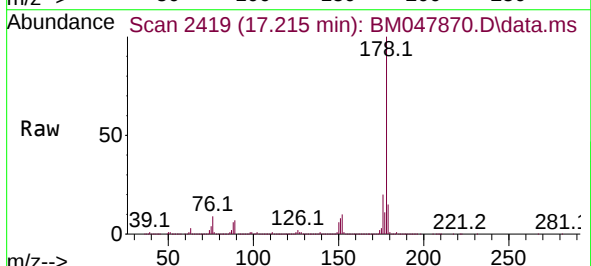
Tgt Ion:178 Resp: 3514381

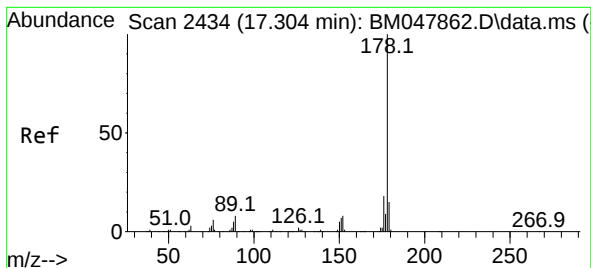
Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

176 19.5 15.4 23.0





#74

Anthracene

Concen: 7.725 ng/ul

RT: 17.304 min Scan# 2434

Delta R.T. 0.000 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

Instrument :

BNA_M

ClientSampleId :

A4ES1

Tgt Ion:178 Resp: 747762

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

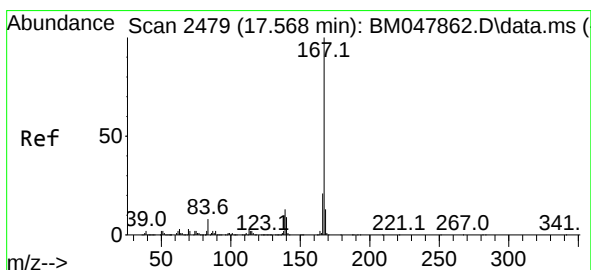
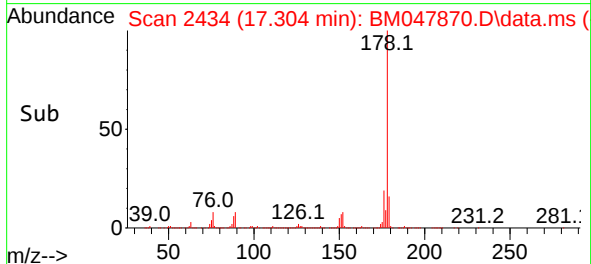
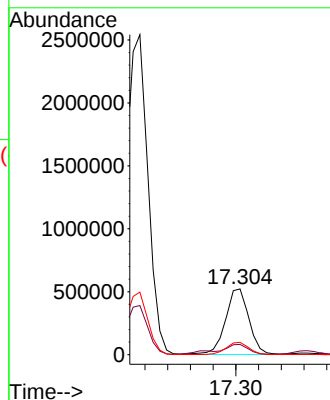
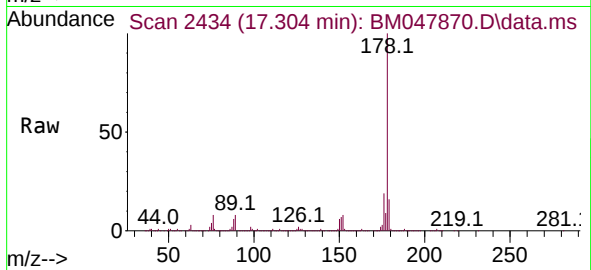
176 18.7 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/06/2024

Supervised By :mohammad ahmed 10/06/2024



#77

Carbazole

Concen: 3.775 ng/ul

RT: 17.568 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

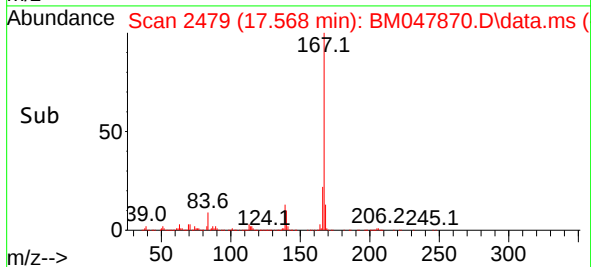
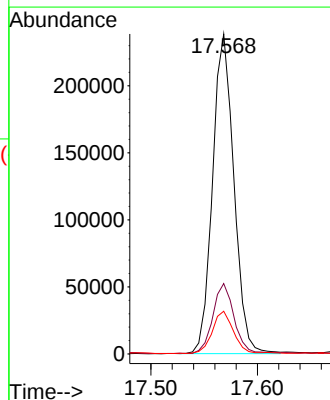
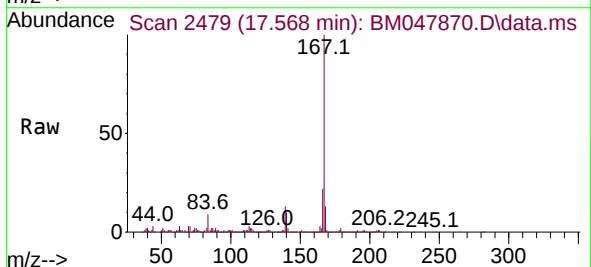
Tgt Ion:167 Resp: 331246

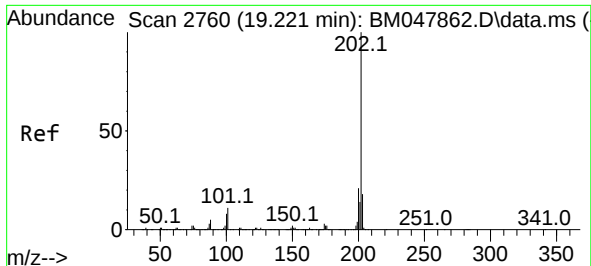
Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

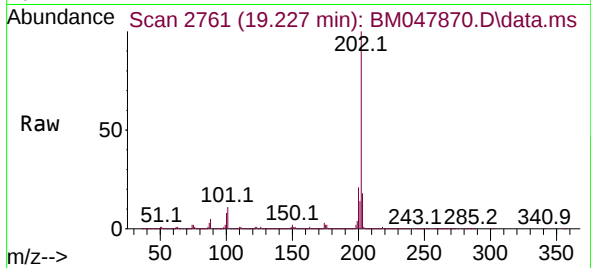
139 13.4 10.9 16.3





#80
Fluoranthene
Concen: 54.774 ng/u1
RT: 19.227 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

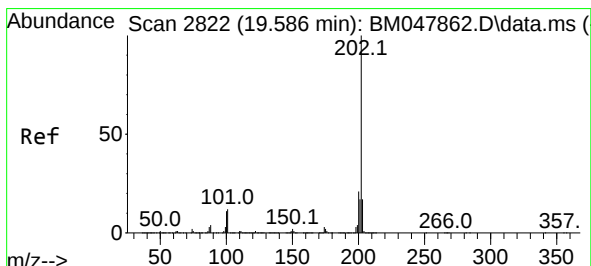
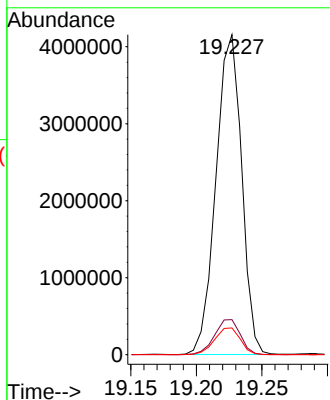
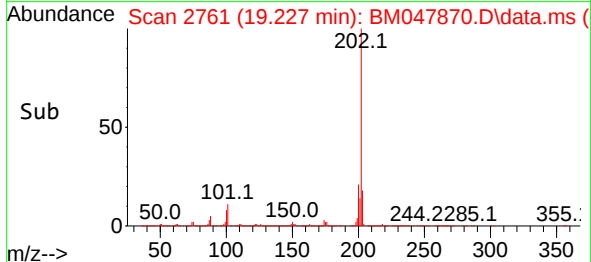
Instrument :
BNA_M
ClientSampleId :
A4ES1



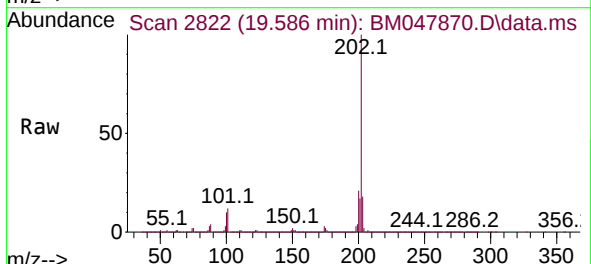
Tgt Ion:202 Resp: 566101
Ion Ratio Lower Upper
202 100
101 11.0 9.0 13.4
100 8.4 6.8 10.2

Manual Integrations
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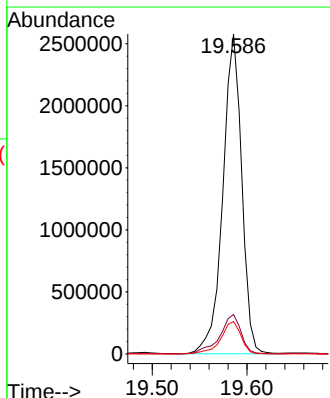
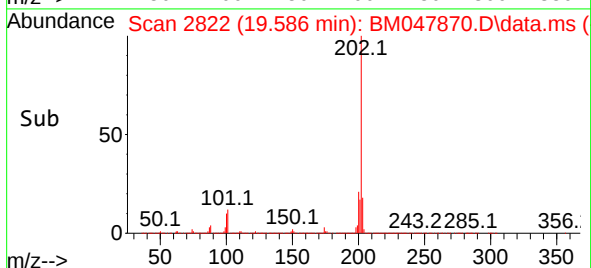
Reviewed By :Yogesh Patel 10/06/2024
Supervised By :mohammad ahmed 10/06/2024

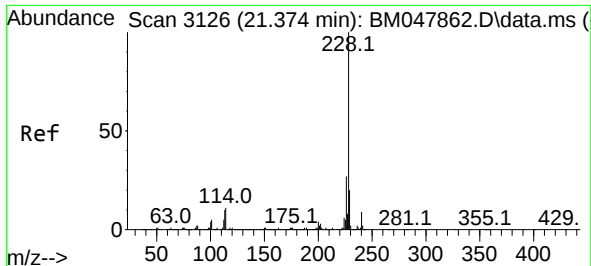


#82
Pyrene
Concen: 31.029 ng/u1
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09



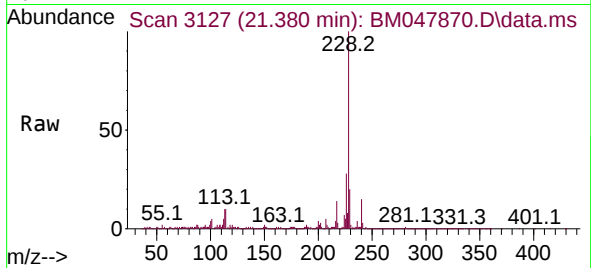
Tgt Ion:202 Resp: 3569289
Ion Ratio Lower Upper
202 100
101 12.3 10.9 16.3
100 10.2 9.4 14.2





#85
Benzo(a)anthracene
Concen: 22.415 ng/ul
RT: 21.380 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

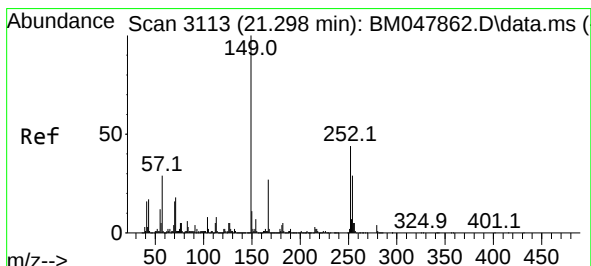
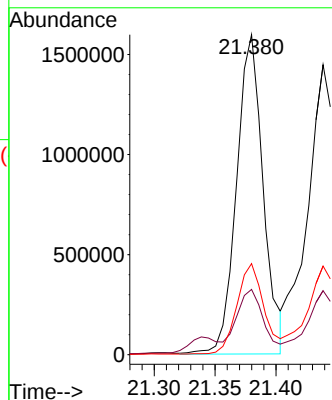
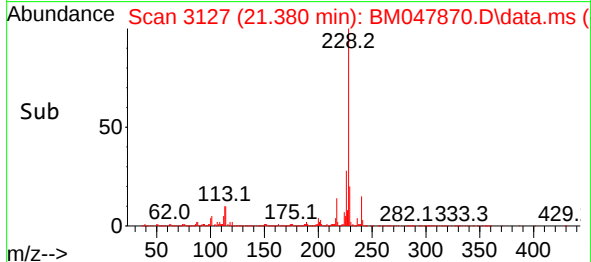
Instrument :
BNA_M
ClientSampleId :
A4ES1



Tgt Ion:228 Resp: 242668
Ion Ratio Lower Upper
228 100
229 20.4 15.6 23.4
226 28.5 21.9 32.9

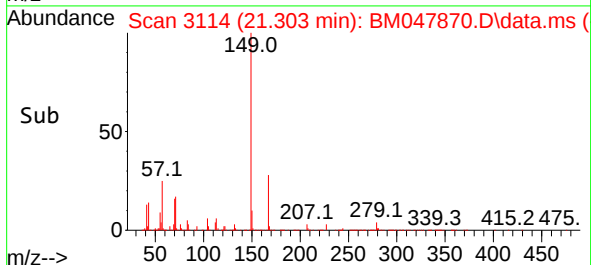
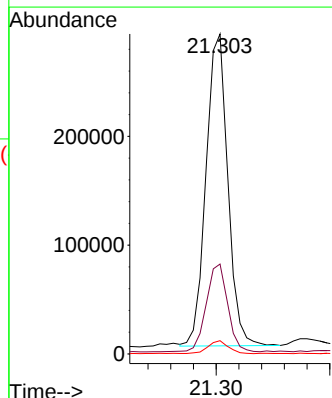
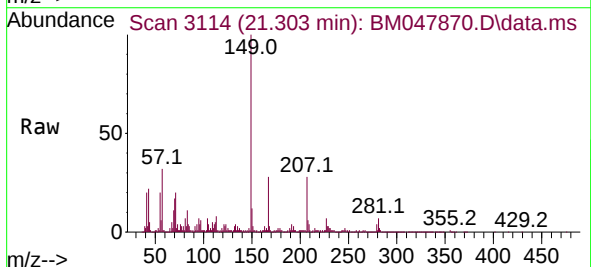
Manual Integrations
APPROVED

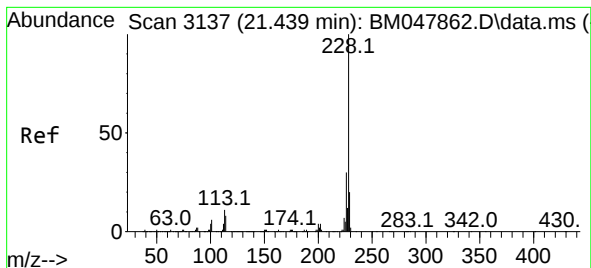
Reviewed By :Yogesh Patel 10/06/2024
Supervised By :mohammad ahmed 10/06/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 6.254 ng/ul
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM047870.D
Acq: 05 Oct 2024 10:09

Tgt Ion:149 Resp: 381828
Ion Ratio Lower Upper
149 100
167 28.1 21.3 31.9
279 4.1 2.7 4.1#





#87

Chrysene

Concen: 22.685 ng/u1

RT: 21.439 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

Instrument :

BNA_M

ClientSampleId :

A4ES1

Tgt Ion:228 Resp: 239416

Ion Ratio Lower Upper

228 100

226 30.6 23.6 35.4

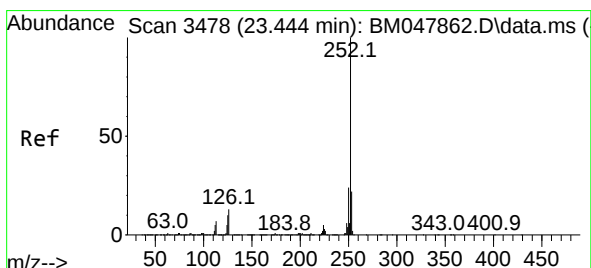
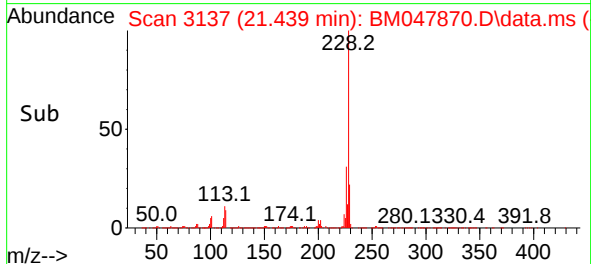
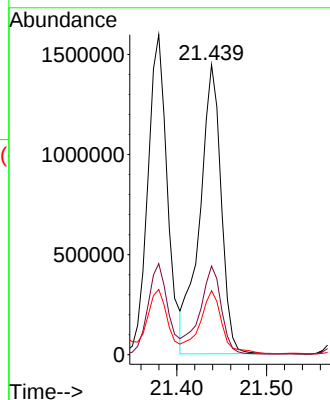
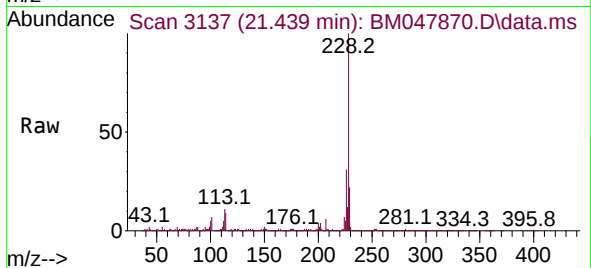
229 22.1 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2024

Supervised By :mohammad ahmed 10/06/2024



#90

Benzo(b)fluoranthene

Concen: 29.339 ng/u1

RT: 23.450 min Scan# 3479

Delta R.T. 0.000 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

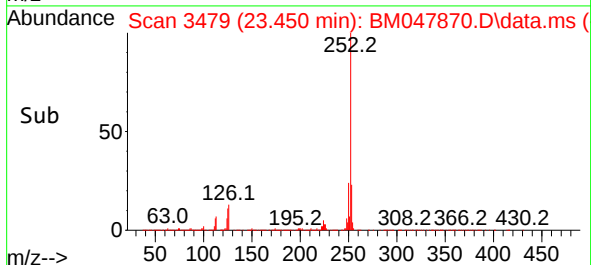
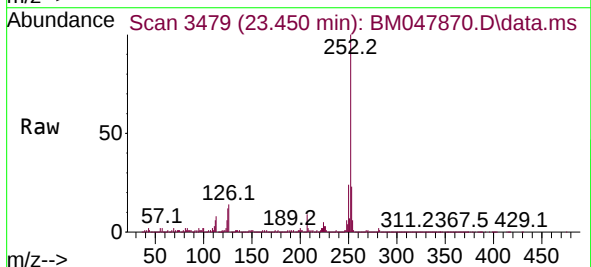
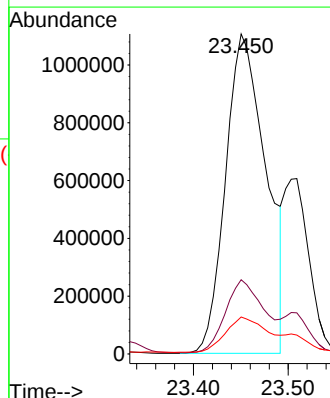
Tgt Ion:252 Resp: 3272544

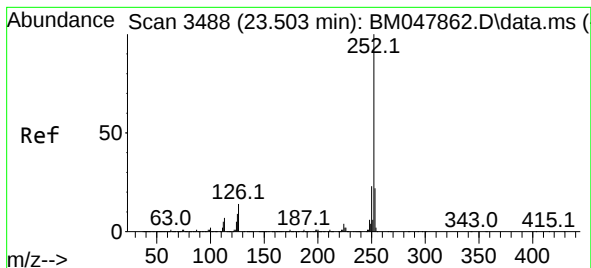
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 11.5 9.0 13.4





#91

Benzo(k)fluoranthene

Concen: 9.637 ng/ul m

RT: 23.509 min Scan# 3488

Delta R.T. 0.000 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

Instrument :

BNA_M

ClientSampleId :

A4ES1

Tgt Ion:252 Resp: 109918

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

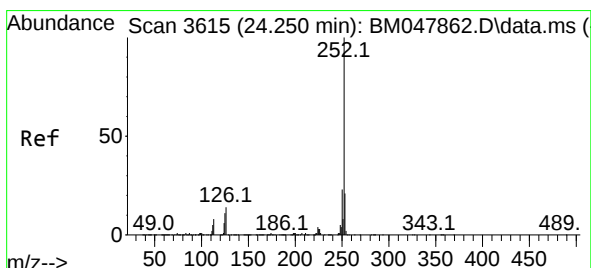
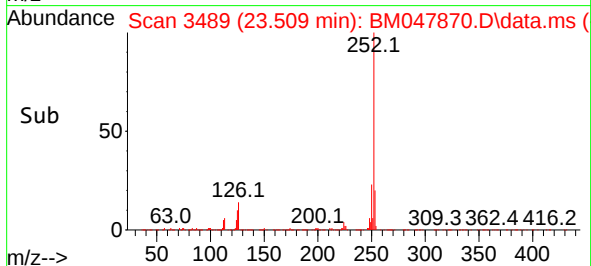
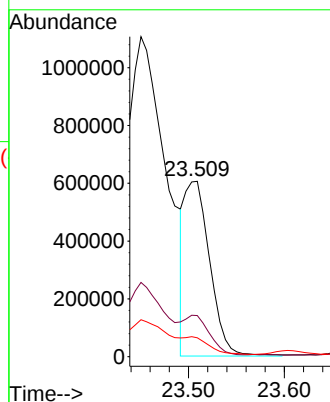
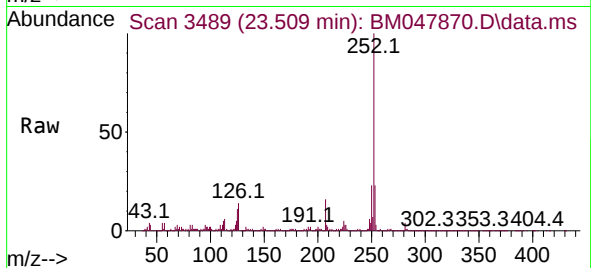
125 10.8 8.9 13.3

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#93

Benzo(a)pyrene

Concen: 9.040 ng/ul

RT: 24.250 min Scan# 3615

Delta R.T. -0.006 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

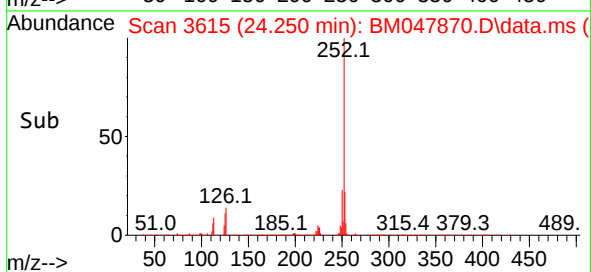
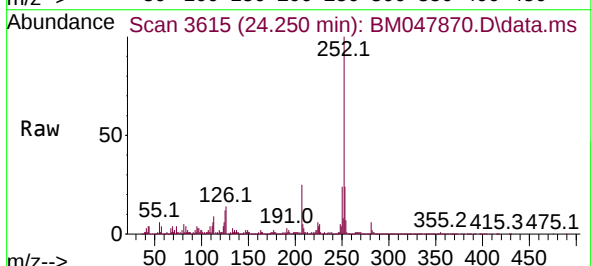
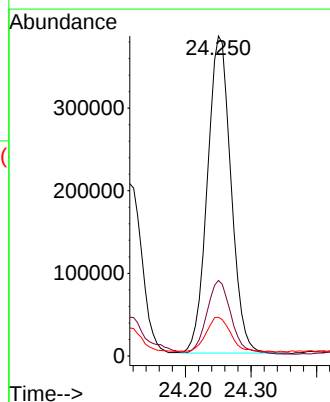
Tgt Ion:252 Resp: 957680

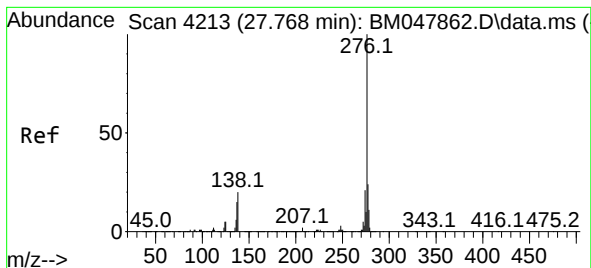
Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 12.1 10.1 15.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.214 ng/ul

RT: 27.768 min Scan# 4213

Delta R.T. -0.012 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

Instrument :

BNA_M

ClientSampleId :

A4ES1

Tgt Ion:276 Resp: 97935

Ion Ratio Lower Upper

276 100

138 21.7 16.9 25.3

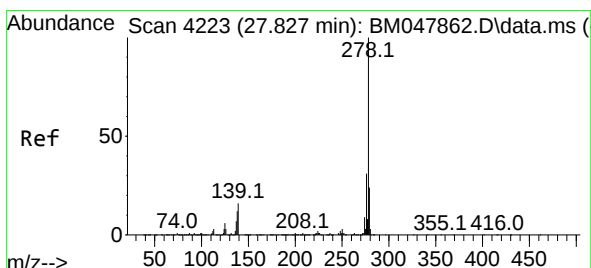
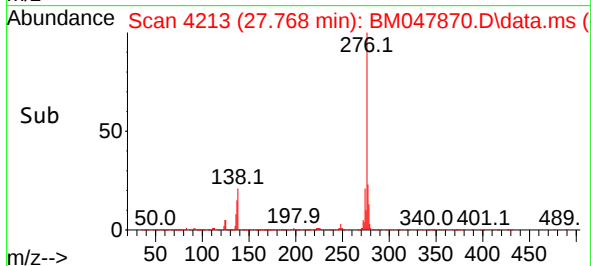
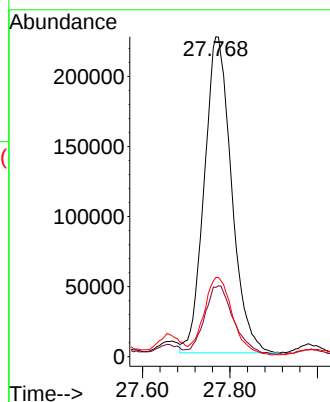
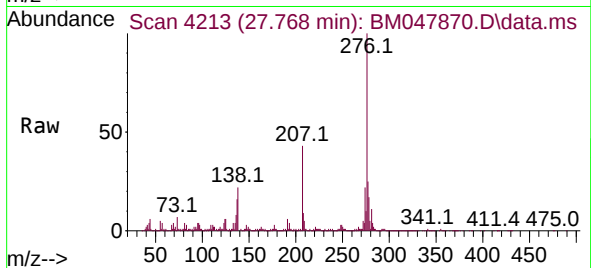
277 24.8 18.9 28.3

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#95

Dibenzo(a,h)anthracene

Concen: 3.444 ng/ul

RT: 27.815 min Scan# 4221

Delta R.T. -0.023 min

Lab File: BM047870.D

Acq: 05 Oct 2024 10:09

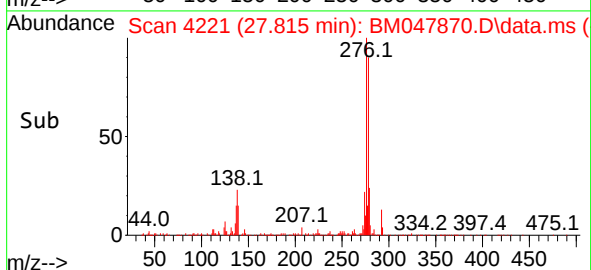
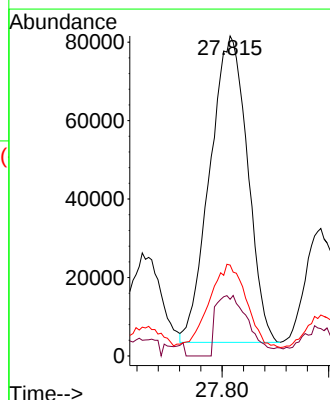
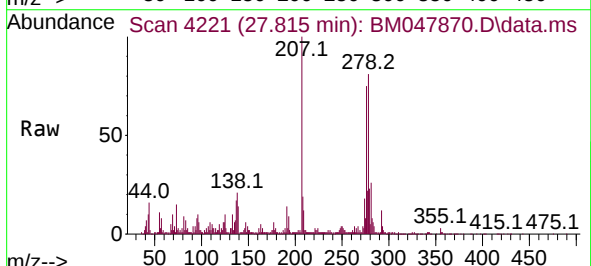
Tgt Ion:278 Resp: 383204

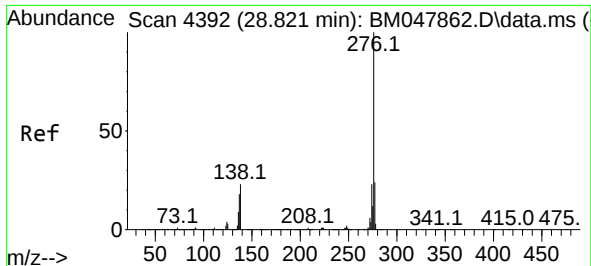
Ion Ratio Lower Upper

278 100

139 17.7 13.4 20.2

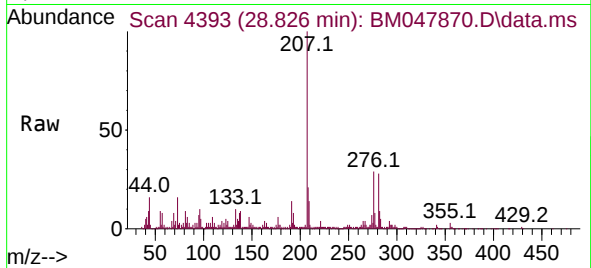
279 28.4 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 1.197 ng/ul
 RT: 28.826 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BM047870.D
 Acq: 05 Oct 2024 10:09

Instrument :
 BNA_M
 ClientSampleId :
 A4ES1



Tgt Ion:276 Resp: 12728
 Ion Ratio Lower Upper
 276 100
 138 28.9 18.7 28.1
 277 28.1 18.3 27.5

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