

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049023.D
 Acq On : 17 Dec 2024 15:50
 Operator : RC/JU
 Sample : P5155-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 17 16:19:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 17 10:03:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	5633	0.400	ng/ul	0.00
4) Naphthalene-d8	10.330	136	15780	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.205	164	8470	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	17749m	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	14965m	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	15093m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.156	96	18878	2.867	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152	3841	0.191	ng/ul	0.00
18) Fluoranthene-d10	18.982	212	7462	0.167	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.380	128	7060	0.175	ng/ul	97
7) 2-Methylnaphthalene	12.002	142	2945	0.119	ng/ul	97
8) 1-Methylnaphthalene	12.228	142	1377	0.055	ng/ul	96
10) Acenaphthylene	13.923	152	2379	0.067	ng/ul#	90
11) Acenaphthene	14.265	153	589	0.022	ng/ul#	92
12) Fluorene	15.260	166	1224	0.041	ng/ul#	86
15) Phenanthrene	16.992	178	22103m	0.454	ng/ul	
16) Anthracene	17.081	178	4271m	0.098	ng/ul	
19) Fluoranthene	19.015	202	40014	0.645	ng/ul	95
20) Pyrene	19.377	202	38508	0.576	ng/ul	95
21) Benzo(a)anthracene	21.129	228	22034	0.418	ng/ul	97
22) Chrysene	21.181	228	29071	0.488	ng/ul	98
24) Benzo(b)fluoranthene	22.666	252	44884m	0.861	ng/ul	
25) Benzo(k)fluoranthene	22.701	252	17358m	0.288	ng/ul	
26) Benzo(a)pyrene	23.209	252	28793	0.597	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.444	276	29312m	0.433	ng/ul	
28) Dibenzo(a,h)anthracene	25.454	278	6718	0.127	ng/ul#	80
29) Benzo(g,h,i)perylene	26.098	276	32255	0.592	ng/ul	96

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

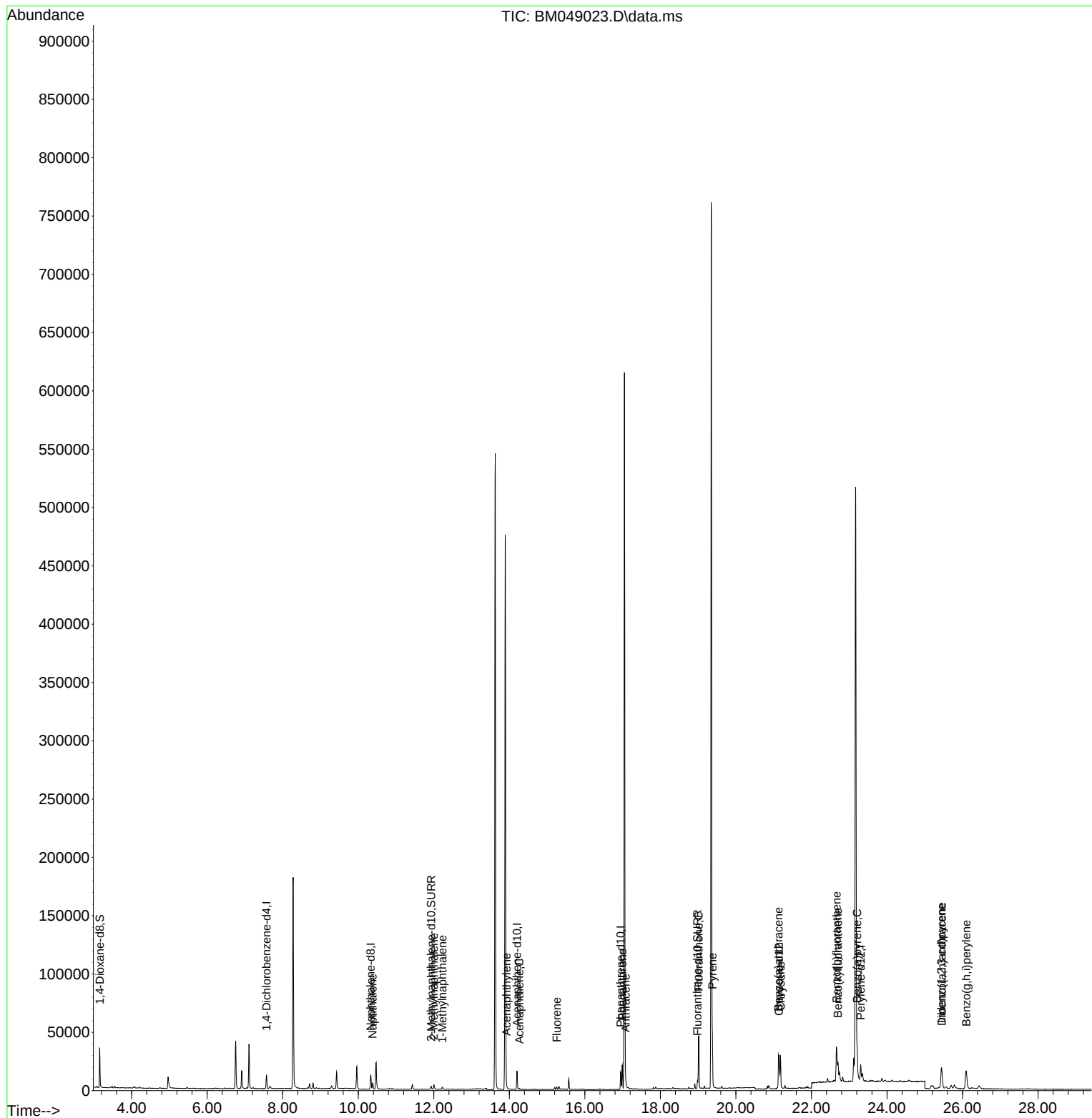
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049023.D
Acq On : 17 Dec 2024 15:50
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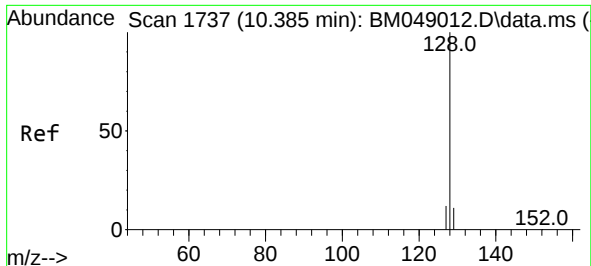
Instrument :
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ClientSampleId :
E28T6

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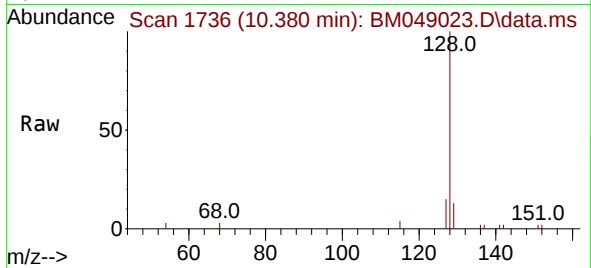
Quant Time: Dec 17 16:19:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.175 ng/ul
RT: 10.380 min Scan# 1736
Delta R.T. -0.005 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

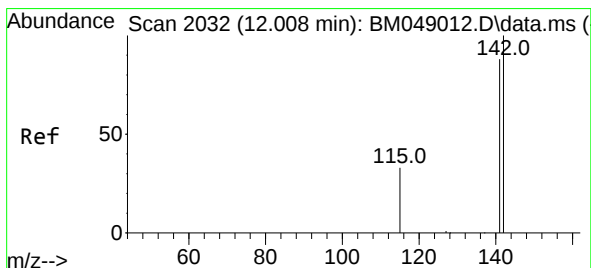
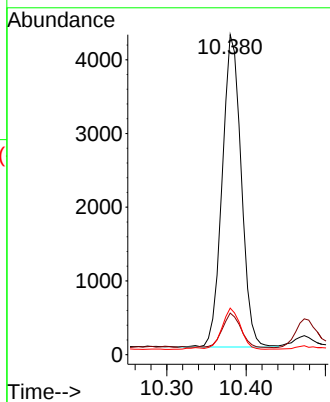
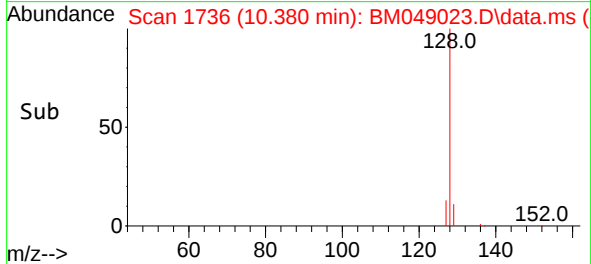
Instrument :
BNA_M
ClientSampleId :
E28T6



Tgt Ion:128 Resp: 7060
Ion Ratio Lower Upper
128 100
129 13.0 9.4 14.2
127 14.6 10.6 16.0

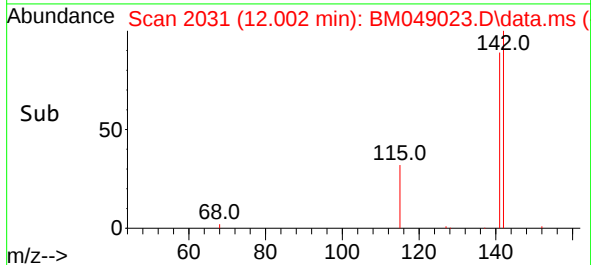
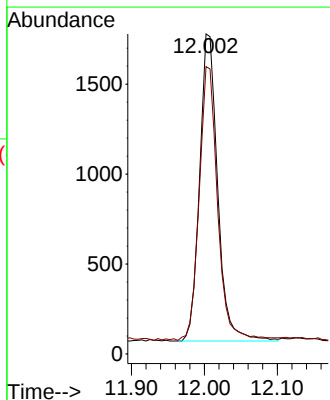
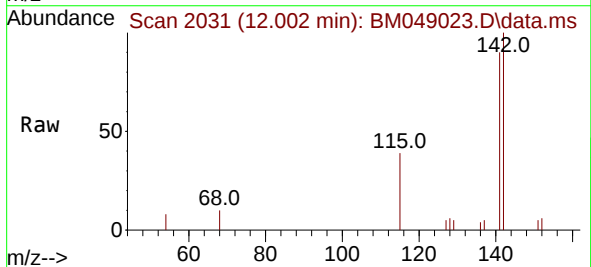
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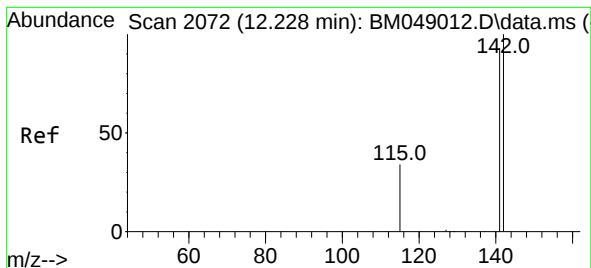
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#7
2-Methylnaphthalene
Concen: 0.119 ng/ul
RT: 12.002 min Scan# 2031
Delta R.T. -0.005 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

Tgt Ion:142 Resp: 2945
Ion Ratio Lower Upper
142 100
141 92.1 71.2 106.8





#8

1-Methylnaphthalene

Concen: 0.055 ng/ul

RT: 12.228 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BM049023.D

Acq: 17 Dec 2024 15:50

Instrument :

BNA_M

ClientSampleId :

E28T6

Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

142 100

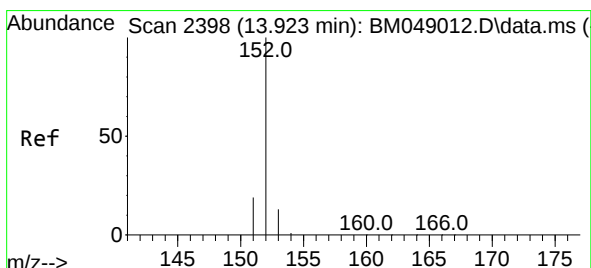
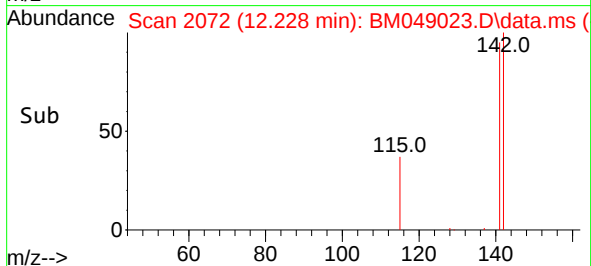
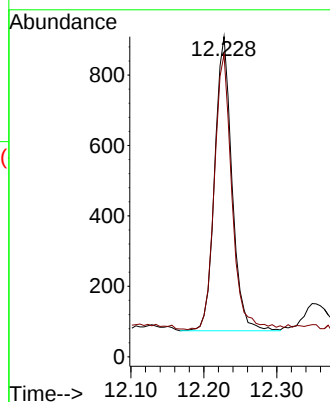
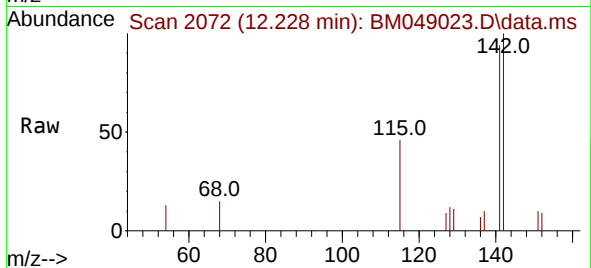
141 95.1 72.8 109.2

Manual Integrations

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#10

Acenaphthylene

Concen: 0.067 ng/ul

RT: 13.923 min Scan# 2398

Delta R.T. 0.000 min

Lab File: BM049023.D

Acq: 17 Dec 2024 15:50

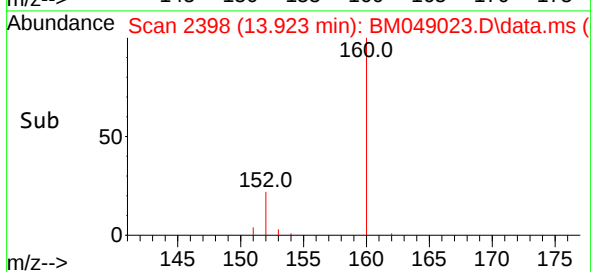
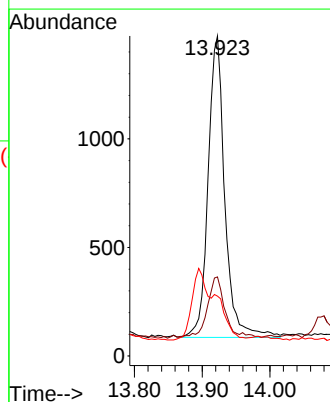
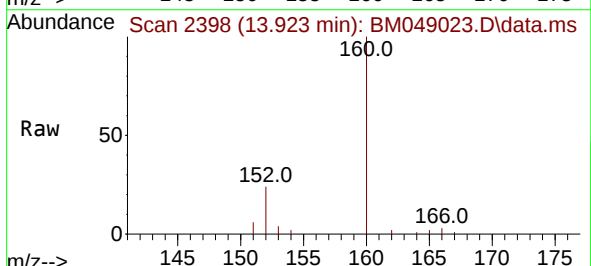
Tgt Ion:152 Resp: 2379

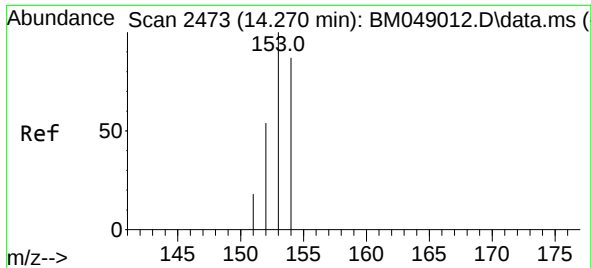
Ion Ratio Lower Upper

152 100

151 24.7 16.3 24.5#

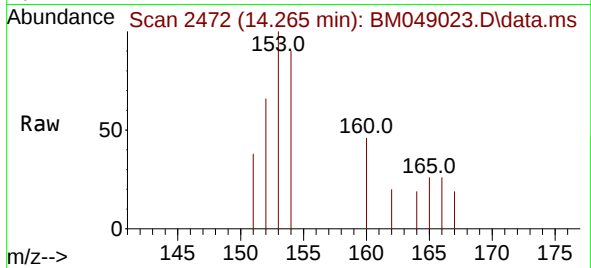
153 18.7 11.2 16.8#





#11
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.265 min Scan# 2472
Delta R.T. -0.005 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

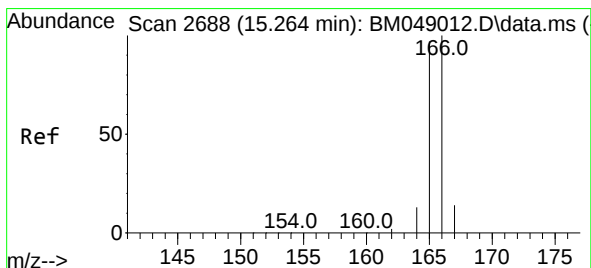
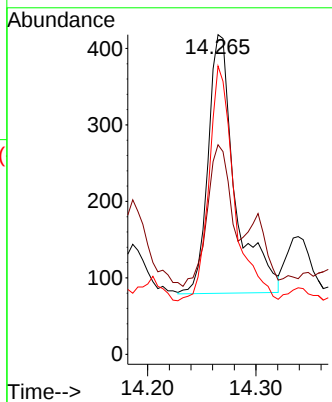
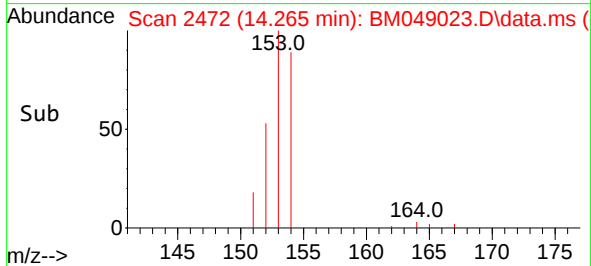
Instrument :
BNA_M
ClientSampleId :
E28T6



Tgt Ion:153 Resp: 589
Ion Ratio Lower Upper
153 100
152 65.6 43.5 65.3
154 90.2 69.5 104.3

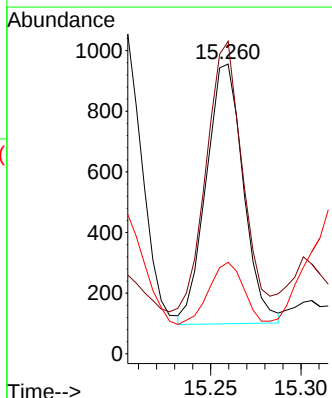
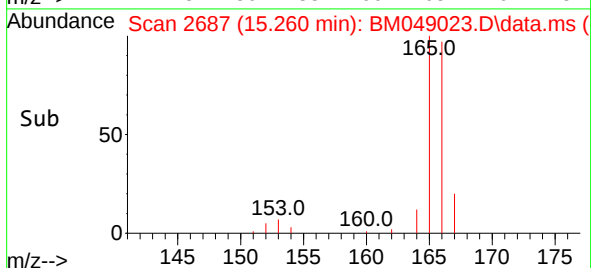
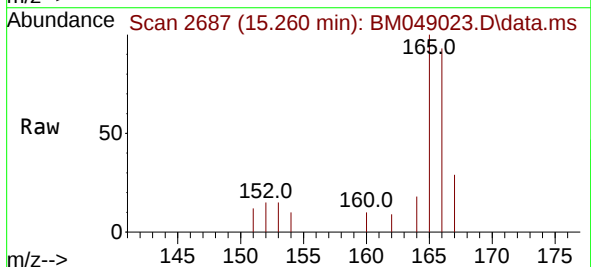
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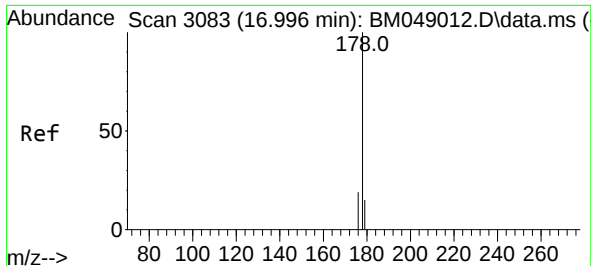
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#12
Fluorene
Concen: 0.041 ng/ul
RT: 15.260 min Scan# 2687
Delta R.T. -0.005 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

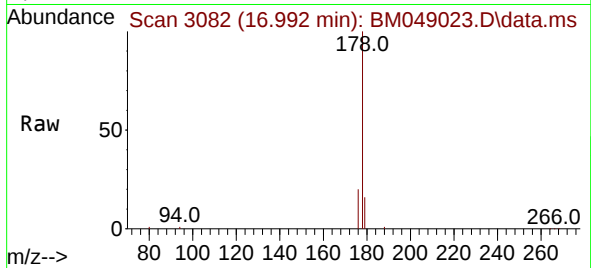
Tgt Ion:166 Resp: 1224
Ion Ratio Lower Upper
166 100
165 107.8 78.1 117.1
167 31.6 11.6 17.4#





#15
Phenanthrene
Concen: 0.454 ng/ul m
RT: 16.992 min Scan# 3082
Delta R.T. -0.004 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

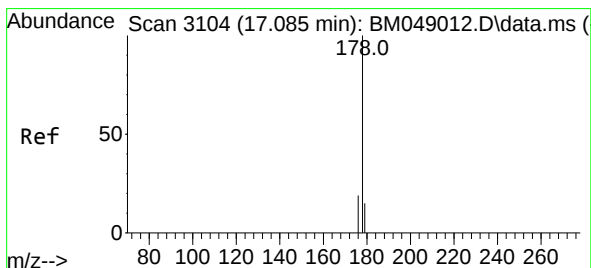
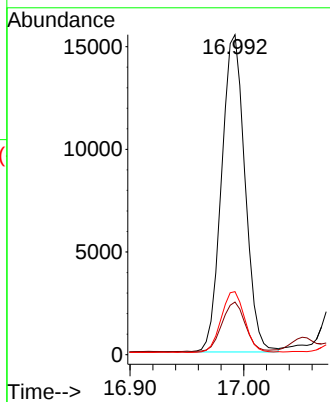
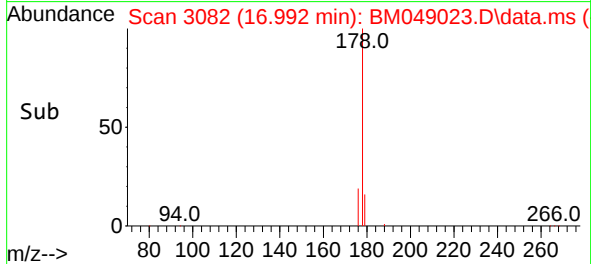
Instrument :
BNA_M
ClientSampleId :
E28T6



Tgt Ion:178 Resp: 2210
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.6
176 19.7 15.8 23.8

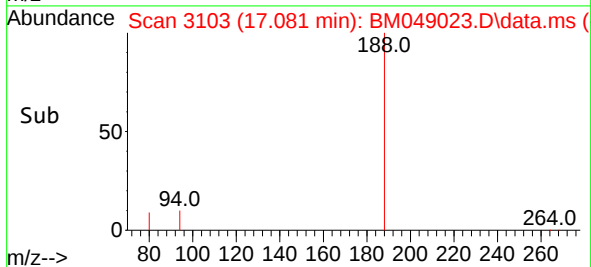
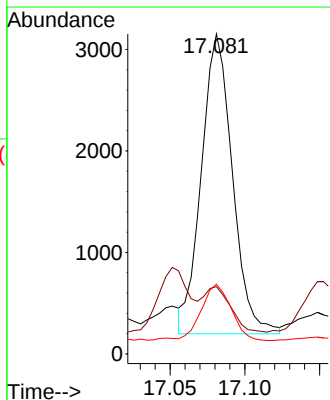
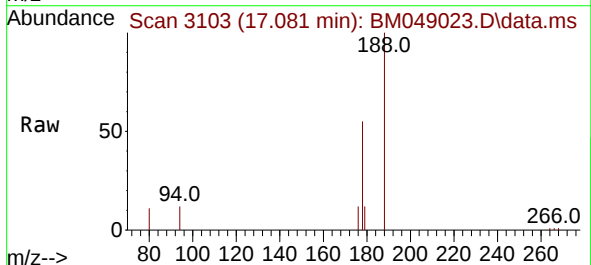
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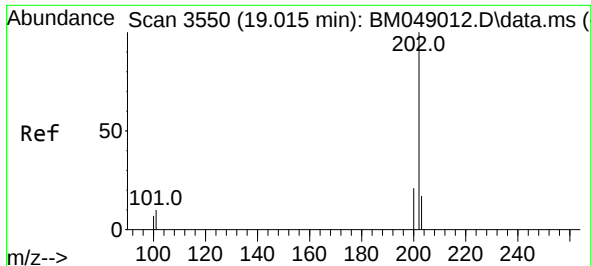
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#16
Anthracene
Concen: 0.098 ng/ul m
RT: 17.081 min Scan# 3103
Delta R.T. -0.004 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

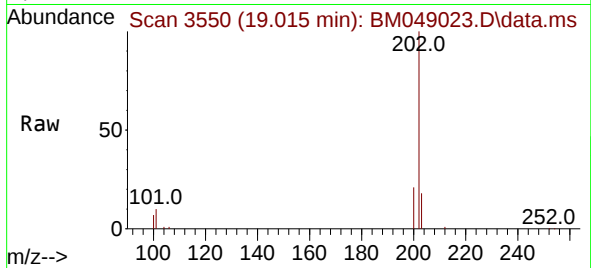
Tgt Ion:178 Resp: 4271
Ion Ratio Lower Upper
178 100
179 21.1 13.0 19.4#
176 21.8 15.0 22.6





#19
Fluoranthene
Concen: 0.645 ng/u1
RT: 19.015 min Scan# 3550
Delta R.T. 0.000 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

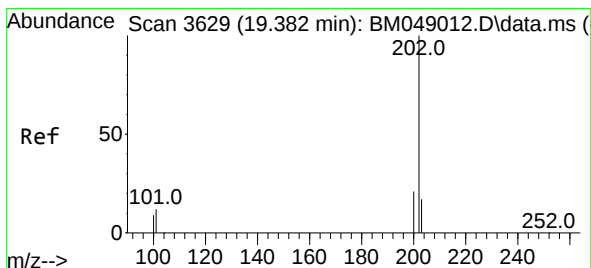
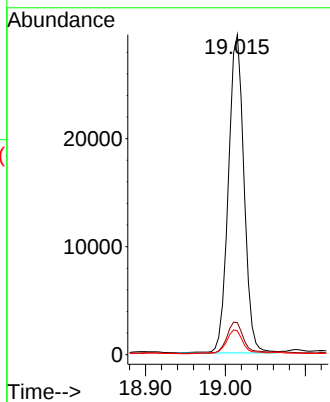
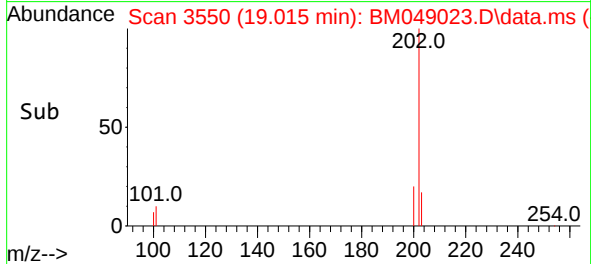
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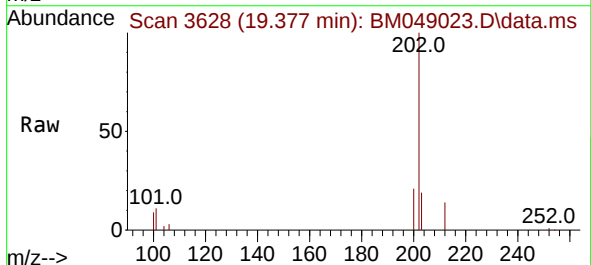
Tgt Ion:202 Resp: 40014
Ion Ratio Lower Upper
202 100
101 10.0 9.7 14.5
100 7.4 7.3 10.9

Manual Integrations
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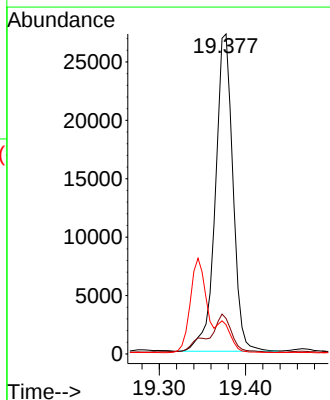
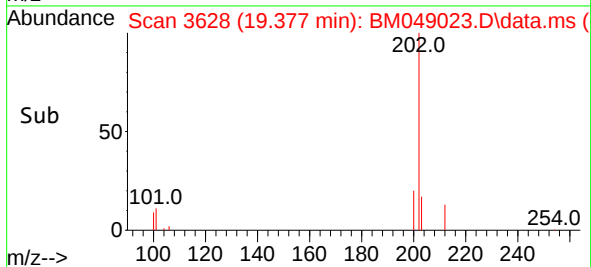
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

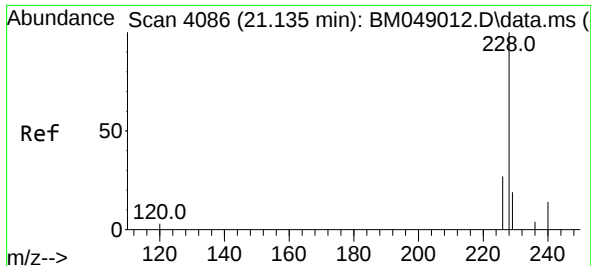


#20
Pyrene
Concen: 0.576 ng/u1
RT: 19.377 min Scan# 3628
Delta R.T. -0.005 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50



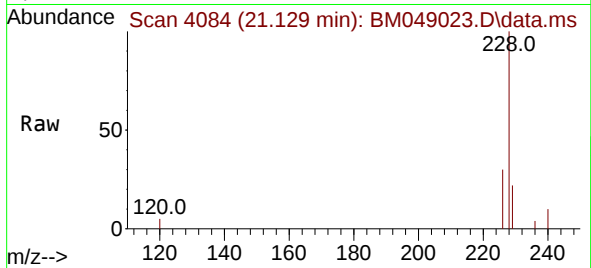
Tgt Ion:202 Resp: 38508
Ion Ratio Lower Upper
202 100
101 11.1 10.6 16.0
100 9.1 8.4 12.6





#21
Benzo(a)anthracene
Concen: 0.418 ng/ul
RT: 21.129 min Scan# 4086
Delta R.T. -0.006 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

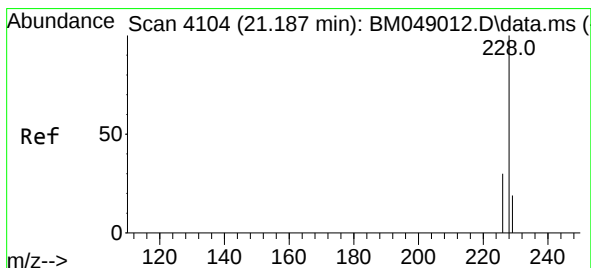
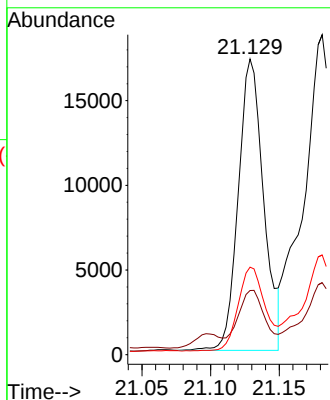
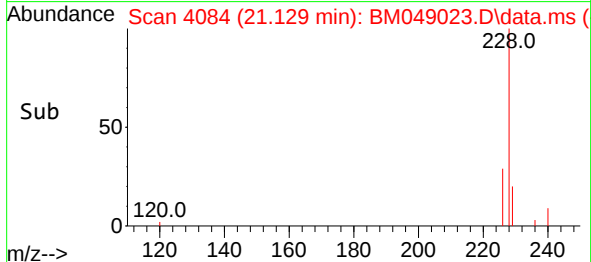
Instrument :
BNA_M
ClientSampleId :
E28T6



Tgt Ion:228 Resp: 22034
Ion Ratio Lower Upper
228 100
229 21.7 15.7 23.5
226 29.6 23.0 34.4

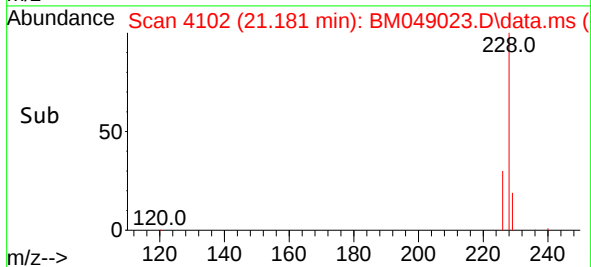
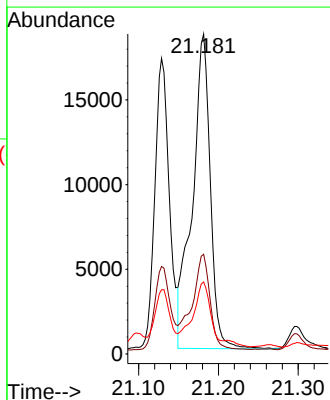
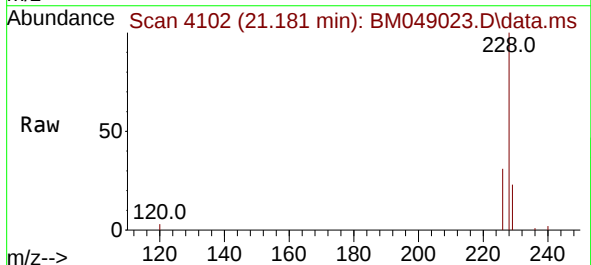
Manual Integrations
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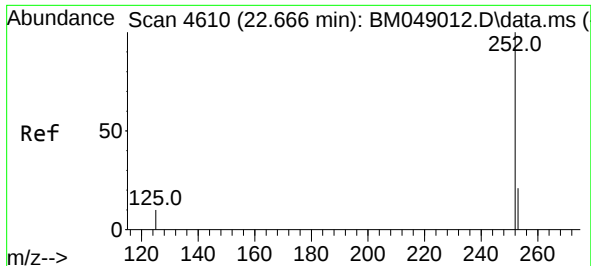
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#22
Chrysene
Concen: 0.488 ng/ul
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

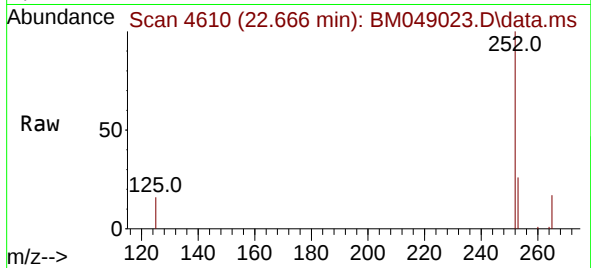
Tgt Ion:228 Resp: 29071
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.5 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.861 ng/ul m
RT: 22.666 min Scan# 4610
Delta R.T. 0.000 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

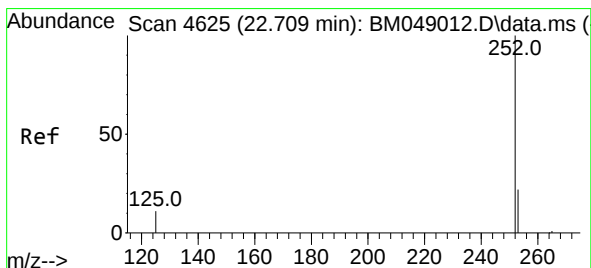
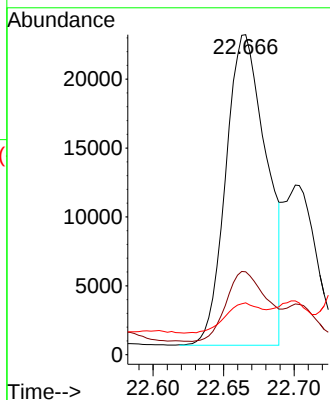
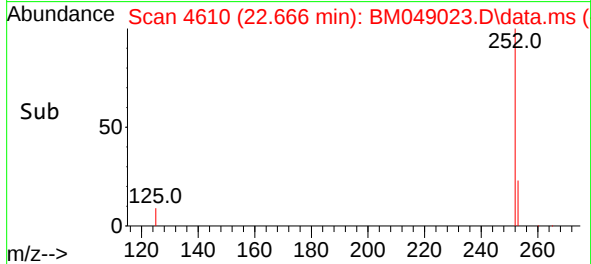
Instrument :
BNA_M
ClientSampleId :
E28T6



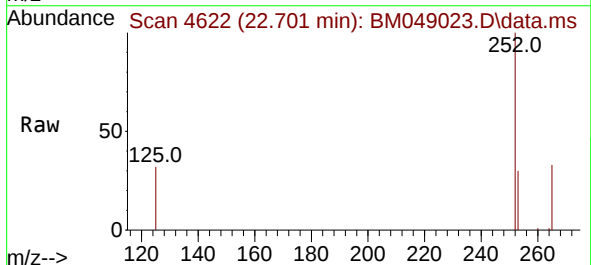
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Ion Ratio Lower Upper
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253 25.9 0.0 51.0
125 16.2 0.0 36.6

Manual Integrations
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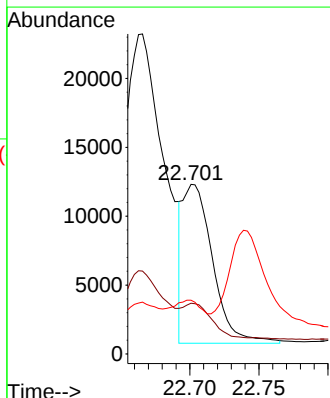
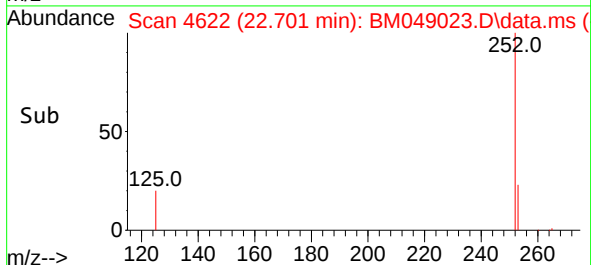
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

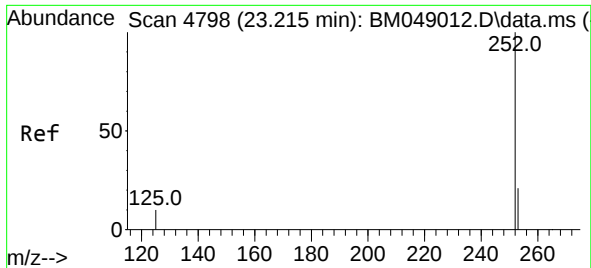


#25
Benzo(k)fluoranthene
Concen: 0.288 ng/ul m
RT: 22.701 min Scan# 4622
Delta R.T. -0.009 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50



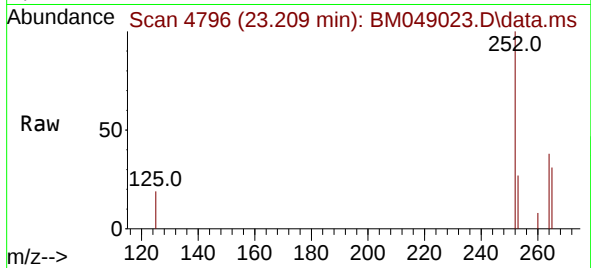
Tgt Ion:252 Resp: 17358
Ion Ratio Lower Upper
252 100
253 29.9 20.5 30.7
125 31.7 17.3 25.9#





#26
Benzo(a)pyrene
Concen: 0.597 ng/ul
RT: 23.209 min Scan# 4796
Delta R.T. -0.006 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

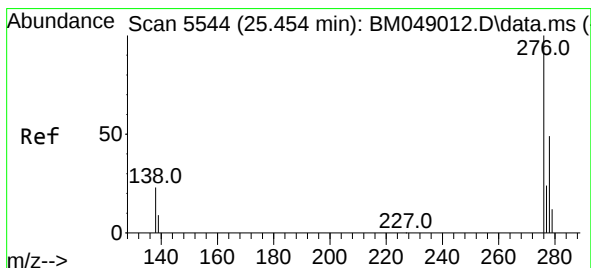
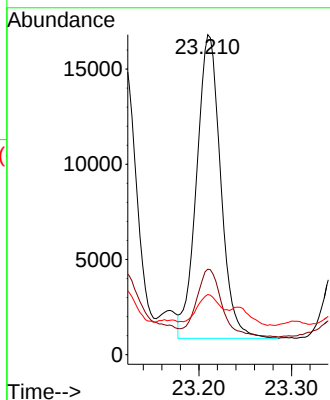
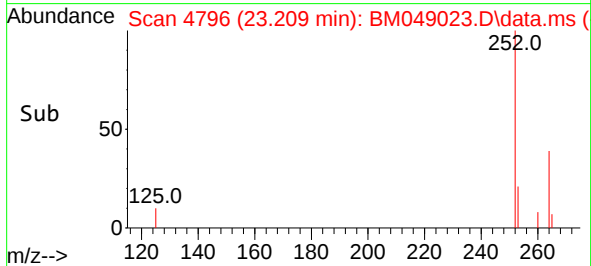
Instrument :
BNA_M
ClientSampleId :
E28T6



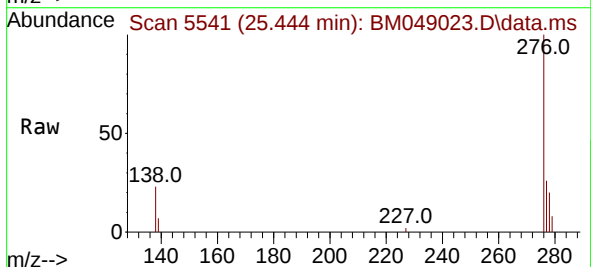
Tgt Ion:252 Resp: 2879
Ion Ratio Lower Upper
252 100
253 26.7 21.8 32.8
125 18.8 18.6 27.8

Manual Integrations
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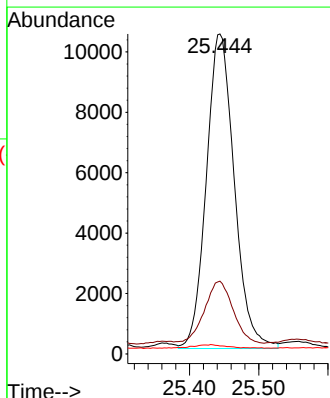
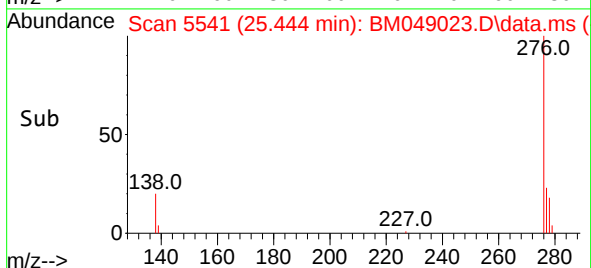
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

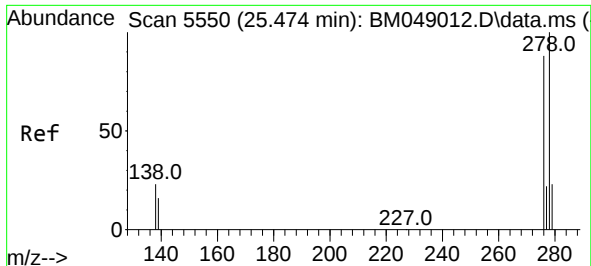


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.433 ng/ul m
RT: 25.444 min Scan# 5541
Delta R.T. -0.010 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50



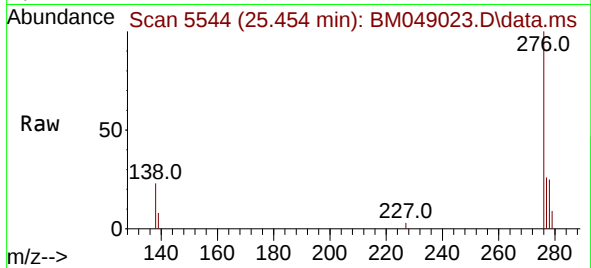
Tgt Ion:276 Resp: 29312
Ion Ratio Lower Upper
276 100
138 20.6 22.1 33.1#
227 1.3 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.127 ng/ul
RT: 25.454 min Scan# 5544
Delta R.T. -0.020 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

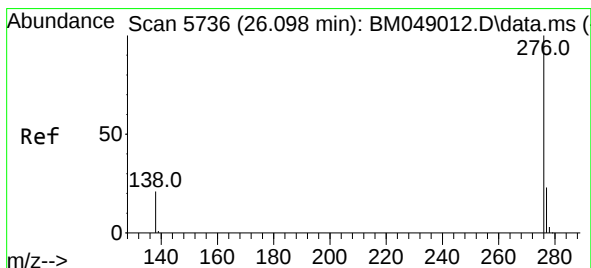
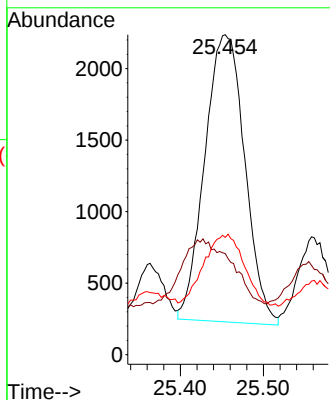
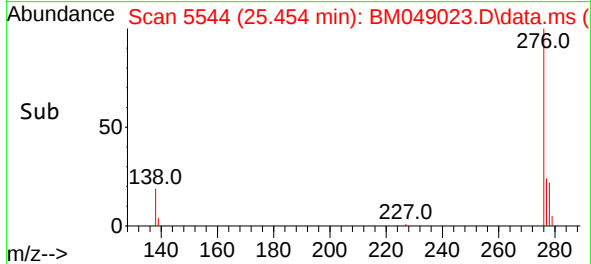
Instrument :
BNA_M
ClientSampleId :
E28T6



Tgt Ion:278 Resp: 6718
Ion Ratio Lower Upper
278 100
139 31.6 17.4 26.0
279 36.7 21.1 31.7

Manual Integrations
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#29
Benzo(g,h,i)perylene
Concen: 0.592 ng/ul
RT: 26.098 min Scan# 5736
Delta R.T. 0.000 min
Lab File: BM049023.D
Acq: 17 Dec 2024 15:50

Tgt Ion:276 Resp: 32255
Ion Ratio Lower Upper
276 100
138 21.5 19.8 29.6
277 25.0 19.6 29.4

