

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043172.D
 Acq On : 04 Dec 2023 12:23
 Operator : MA/JU
 Sample : 05459-14DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 04 13:37:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	834	0.400	ng/ul	#-0.02
4) Naphthalene-d8	10.616	136	2266	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.450	164	1370	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.207	188	2819	0.400	ng/ul	0.00
17) Chrysene-d12	21.403	240	2027	0.400	ng/ul	# 0.00
23) Perylene-d12	23.744	264	2008m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	526	0.411	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.227	152	151	0.050	ng/ul	0.00
18) Fluoranthene-d10	19.233	212	430	0.058	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.671	128	760	0.123	ng/ul#	82
7) 2-Methylnaphthalene	12.310	142	846	0.233	ng/ul	96
8) 1-Methylnaphthalene	12.508	142	641	0.158	ng/ul	98
10) Acenaphthylene	14.181	152	169	0.024	ng/ul#	30
11) Acenaphthene	14.515	153	181	0.034	ng/ul#	88
12) Fluorene	15.509	166	170	0.031	ng/ul#	88
15) Phenanthrene	17.245	178	4945	0.615	ng/ul	96
16) Anthracene	17.342	178	1582m	0.208	ng/ul	
19) Fluoranthene	19.266	202	9837	0.856	ng/ul#	91
20) Pyrene	19.628	202	8308	0.680	ng/ul#	95
21) Benzo(a)anthracene	21.386	228	4298	0.653	ng/ul	100
22) Chrysene	21.438	228	4168	0.340	ng/ul	99
24) Benzo(b)fluoranthene	23.022	252	6928	1.022	ng/ul	88
25) Benzo(k)fluoranthene	23.069	252	3293m	0.353	ng/ul	
26) Benzo(a)pyrene	23.639	252	4734	0.640	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.198	276	4522	0.452	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.205	278	1037	0.134	ng/ul#	79
29) Benzo(g,h,i)perylene	26.966	276	3417	0.351	ng/ul	98

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

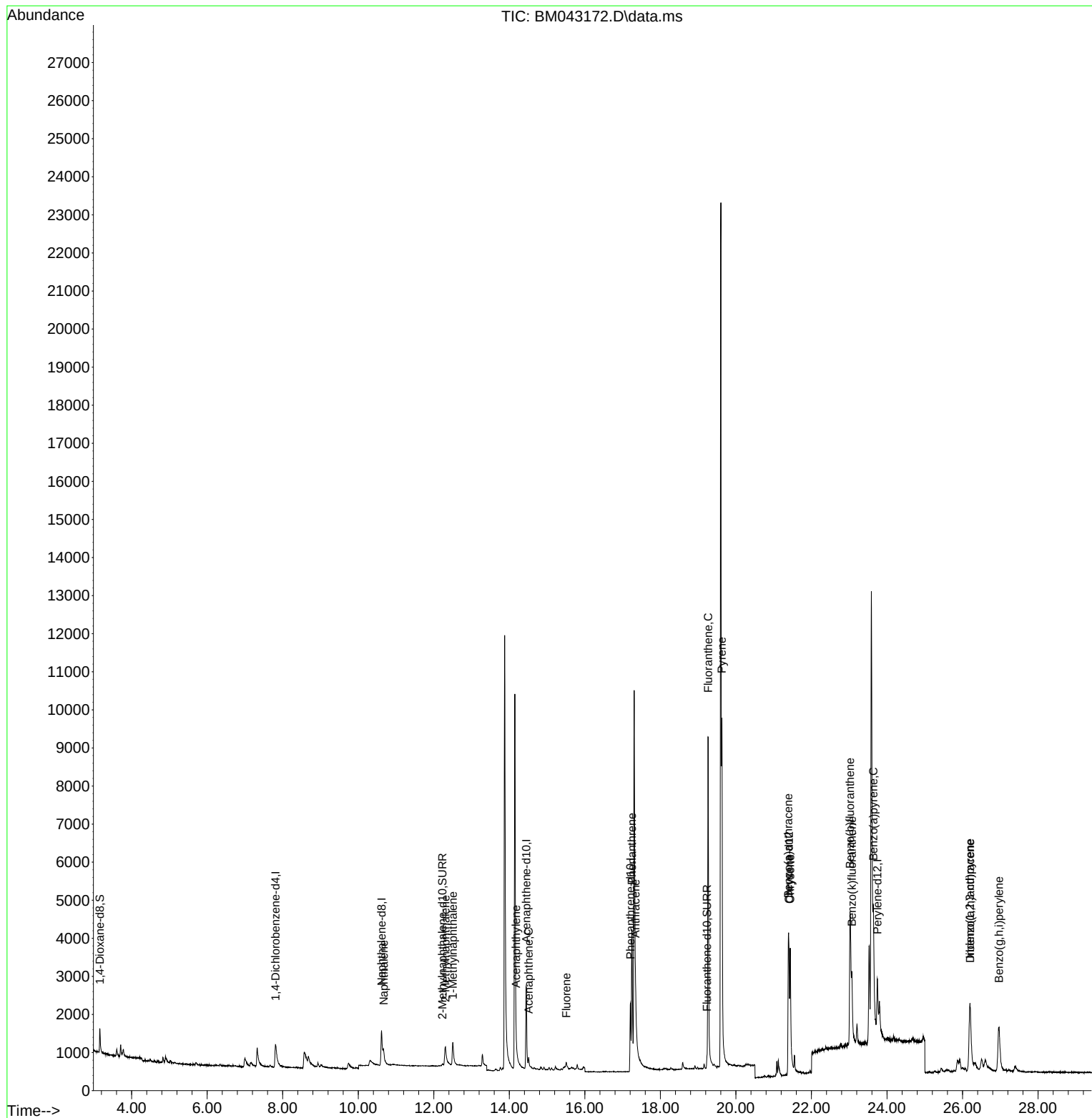
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043172.D
Acq On : 04 Dec 2023 12:23
Operator : MA/JU
Sample : 05459-14DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

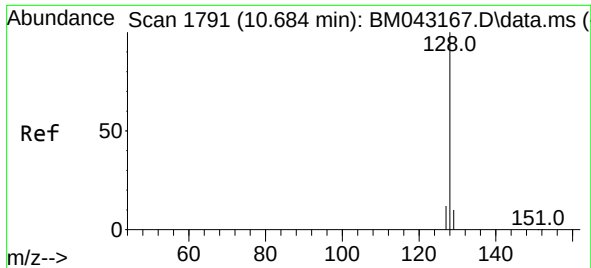
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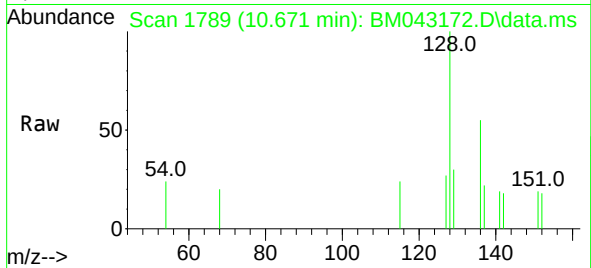
Quant Time: Dec 04 13:37:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.123 ng/u1
RT: 10.671 min Scan# 1791
Delta R.T. 0.004 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

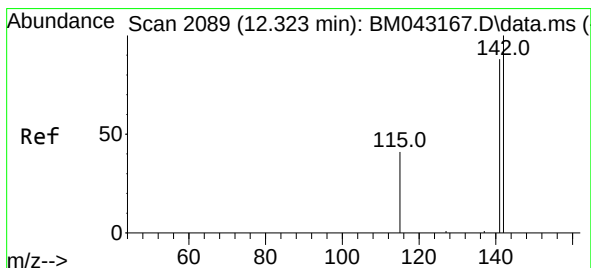
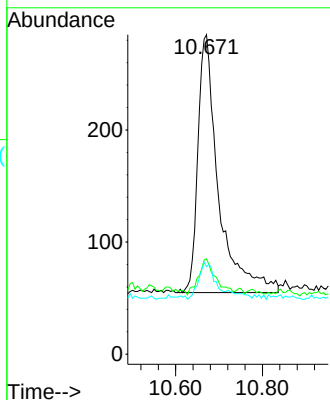
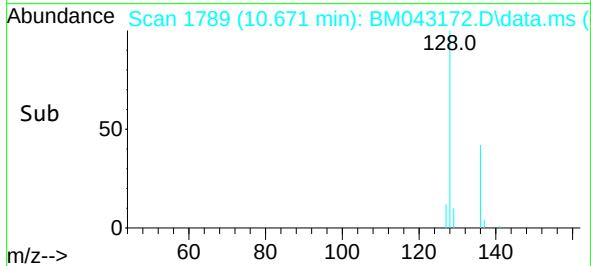
Instrument :
BNA_M
ClientSampleId :
C0AK0DL



Tgt Ion:128 Resp: 760
Ion Ratio Lower Upper
128 100
129 29.8 16.0 24.0
127 27.4 16.5 24.7

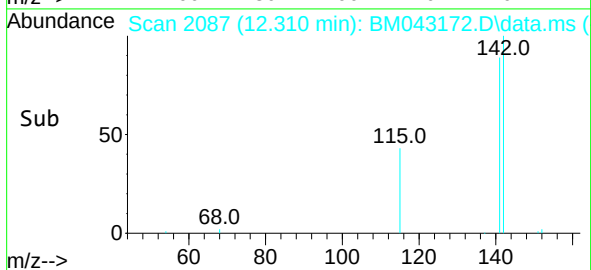
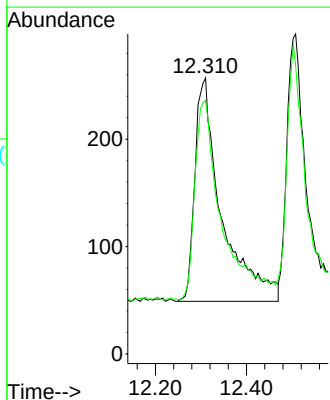
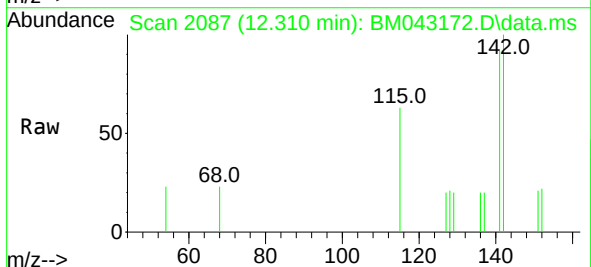
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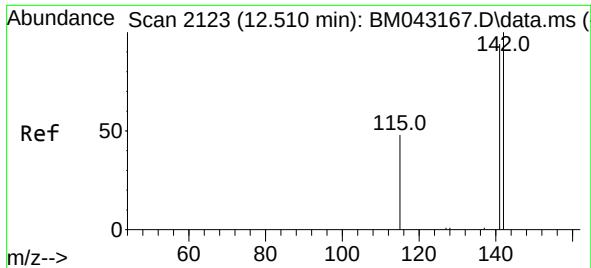
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#7
2-Methylnaphthalene
Concen: 0.233 ng/u1
RT: 12.310 min Scan# 2087
Delta R.T. 0.015 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

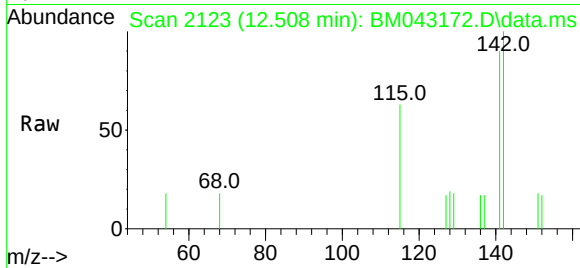
Tgt Ion:142 Resp: 846
Ion Ratio Lower Upper
142 100
141 91.0 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.158 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. 0.010 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

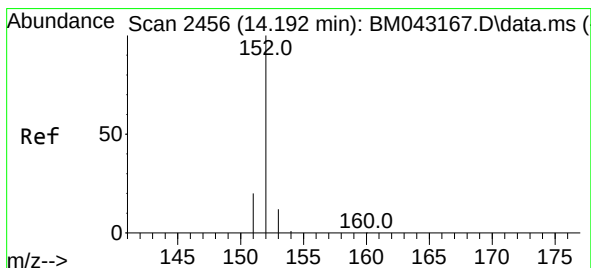
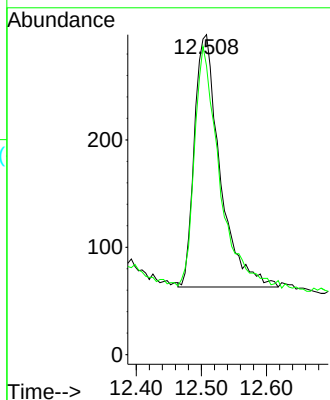
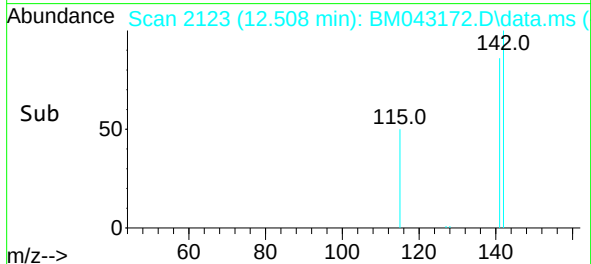
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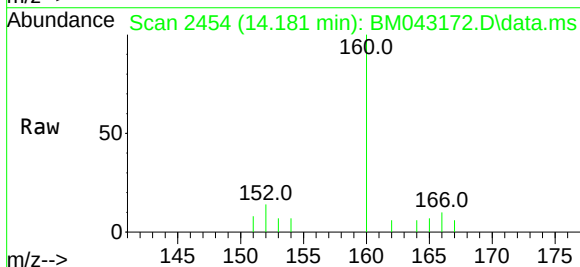
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
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141 94.4 73.8 110.8

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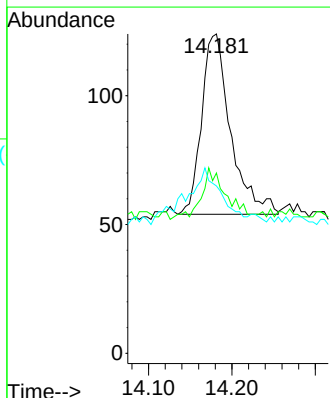
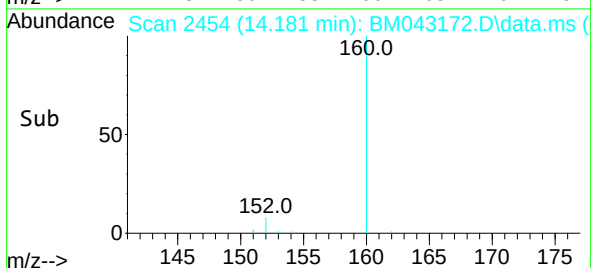
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

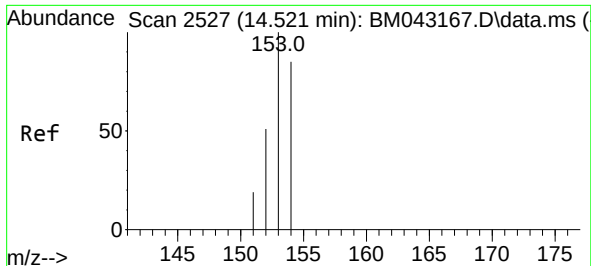


#10
Acenaphthylene
Concen: 0.024 ng/ul
RT: 14.181 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23



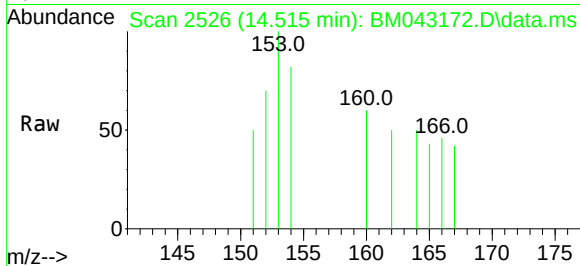
Tgt Ion:152 Resp: 169
Ion Ratio Lower Upper
152 100
151 56.5 19.4 29.0#
153 52.4 14.6 21.8#





#11
Acenaphthene
Concen: 0.034 ng/ul
RT: 14.515 min Scan# 2526
Delta R.T. -0.001 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

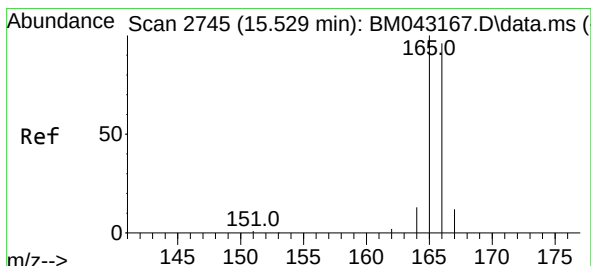
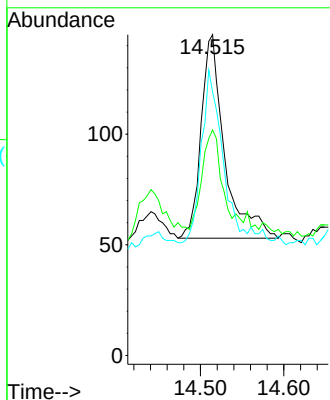
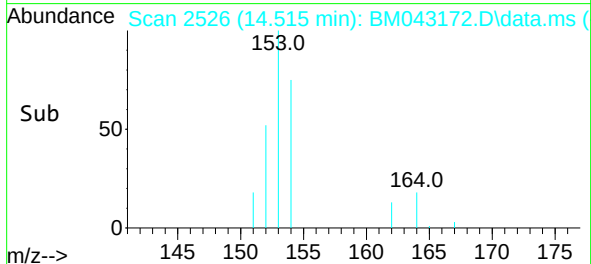
Instrument :
BNA_M
ClientSampleId :
C0AK0DL



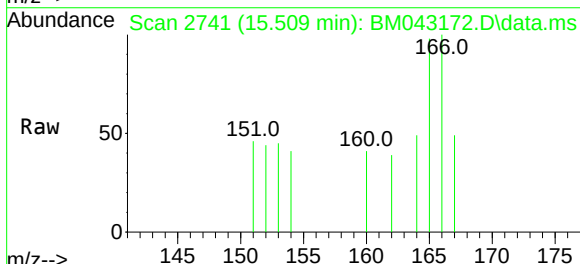
Tgt Ion:153 Resp: 183
Ion Ratio Lower Upper
153 100
152 70.3 43.9 65.9
154 82.1 70.6 105.8

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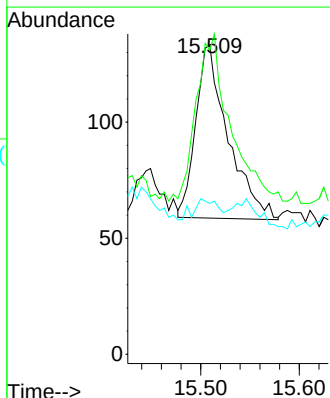
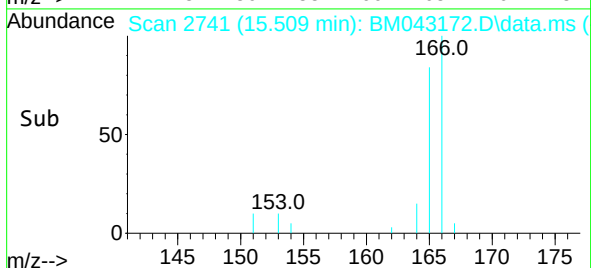
Reviewed By :Yogesh Patel 12/05/2023
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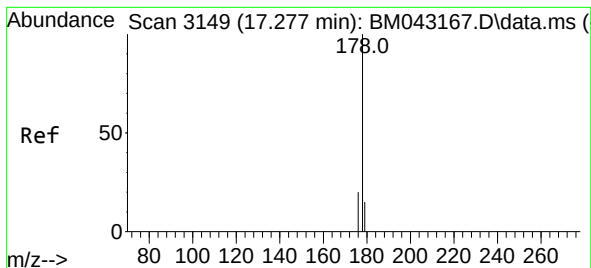


#12
Fluorene
Concen: 0.031 ng/ul
RT: 15.509 min Scan# 2741
Delta R.T. -0.006 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23



Tgt Ion:166 Resp: 170
Ion Ratio Lower Upper
166 100
165 98.5 79.9 119.9
167 48.9 14.2 21.4#





#15

Phenanthrene

Concen: 0.615 ng/ul

RT: 17.245 min Scan# 3142

Delta R.T. -0.014 min

Lab File: BM043172.D

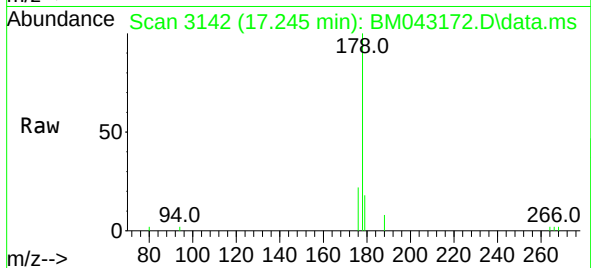
Acq: 04 Dec 2023 12:23

Instrument :

BNA_M

ClientSampleId :

C0AK0DL



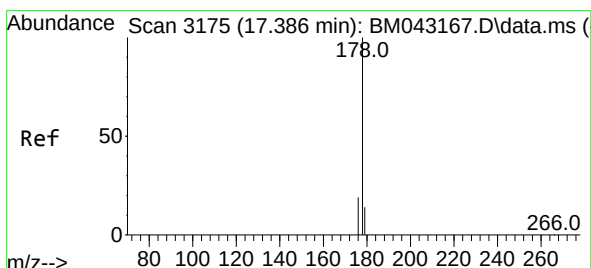
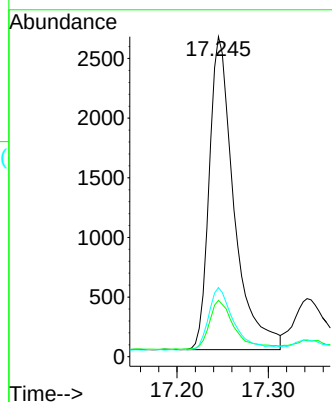
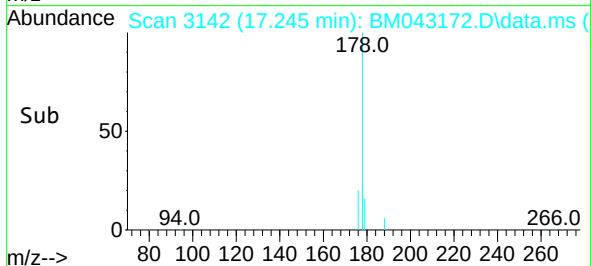
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	15.7	23.5
176	21.6	18.9	28.3

Manual Integrations

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#16

Anthracene

Concen: 0.208 ng/ul m

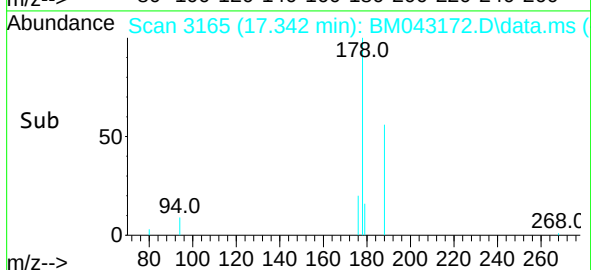
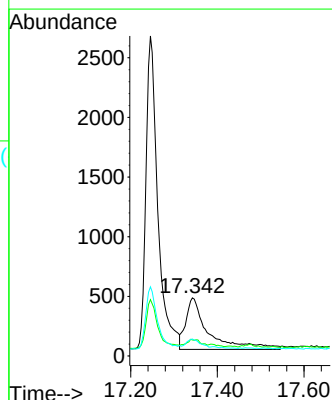
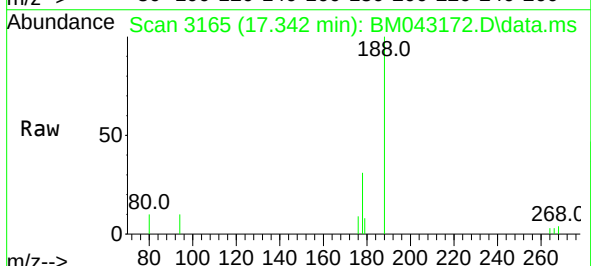
RT: 17.342 min Scan# 3165

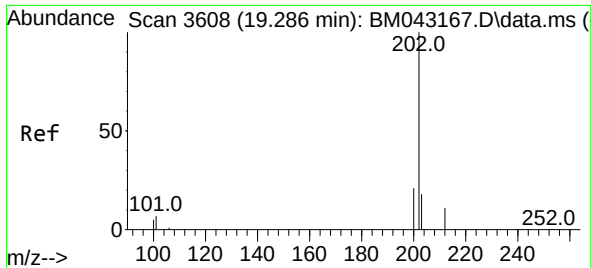
Delta R.T. -0.018 min

Lab File: BM043172.D

Acq: 04 Dec 2023 12:23

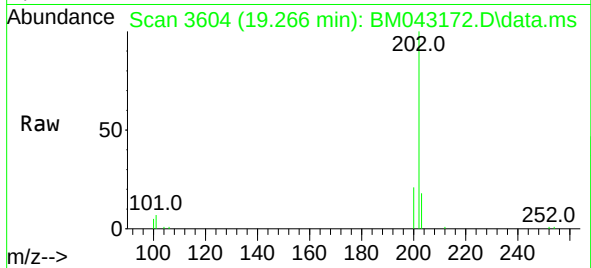
Tgt Ion	Ratio	Lower	Upper
178	100		
179	27.5	17.3	25.9
176	29.4	20.5	30.7





#19
Fluoranthene
Concen: 0.856 ng/u1
RT: 19.266 min Scan# 3604
Delta R.T. -0.006 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

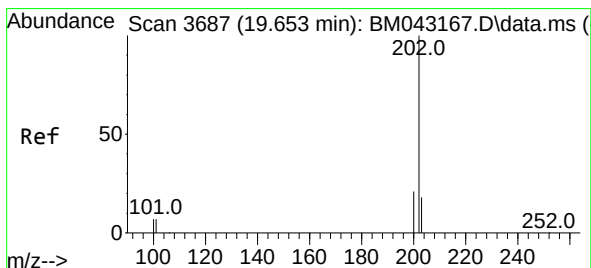
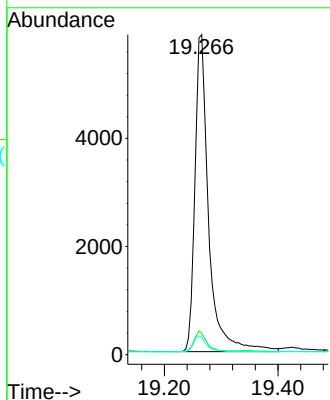
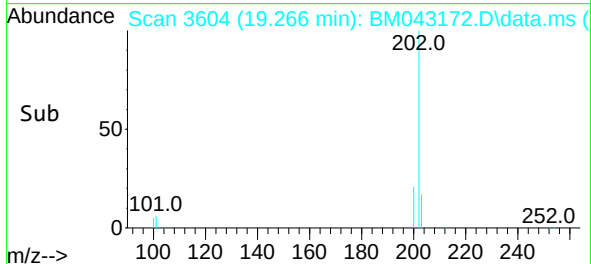
Instrument :
BNA_M
ClientSampleId :
C0AK0DL



Tgt Ion:202 Resp: 983
Ion Ratio Lower Upper
202 100
101 6.6 7.8 11.8
100 5.4 7.1 10.7

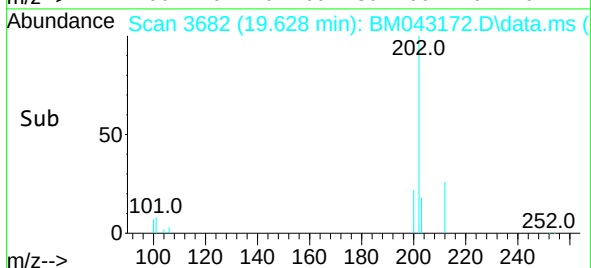
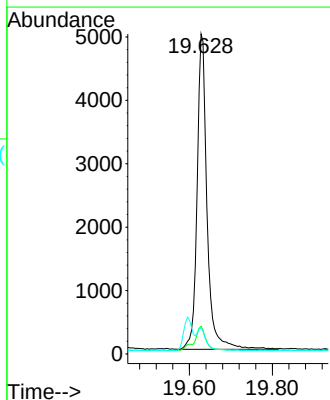
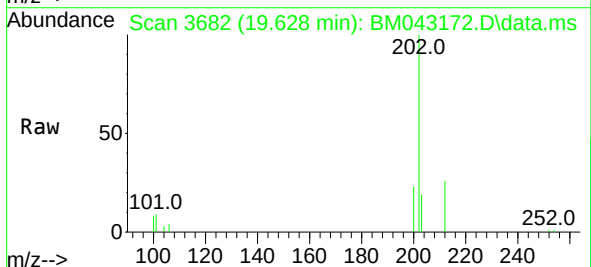
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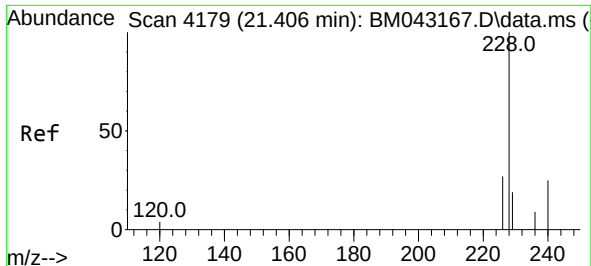
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#20
Pyrene
Concen: 0.680 ng/u1
RT: 19.628 min Scan# 3682
Delta R.T. -0.011 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

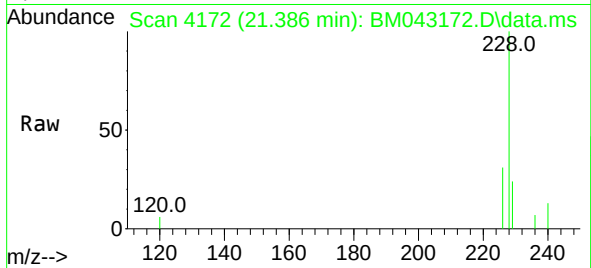
Tgt Ion:202 Resp: 8308
Ion Ratio Lower Upper
202 100
101 8.6 8.7 13.1#
100 8.1 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.653 ng/u1
RT: 21.386 min Scan# 4172
Delta R.T. -0.003 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

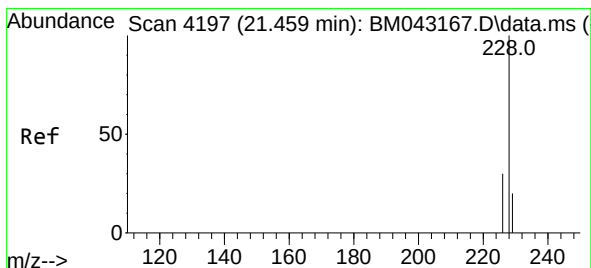
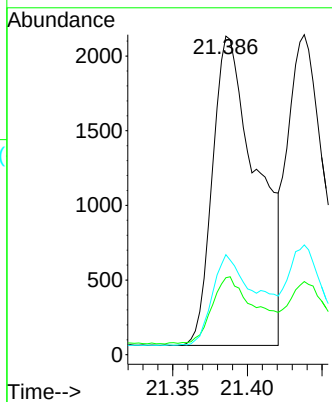
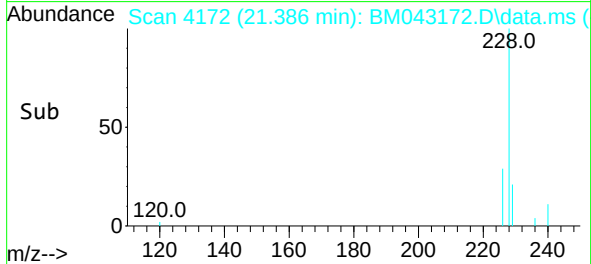
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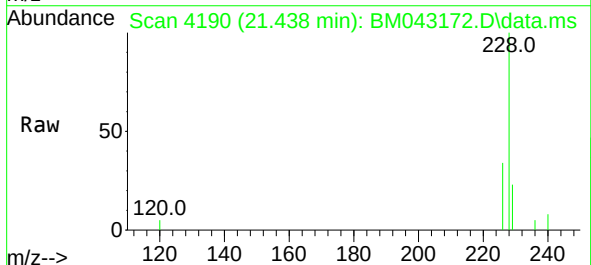
Tgt Ion:228 Resp: 4298
Ion Ratio Lower Upper
228 100
229 24.2 19.4 29.0
226 31.4 24.9 37.3

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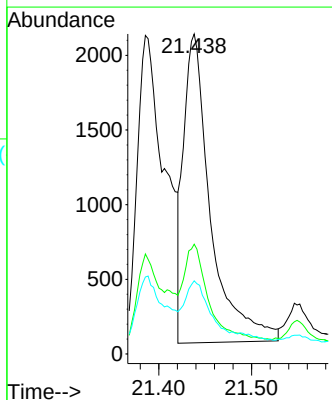
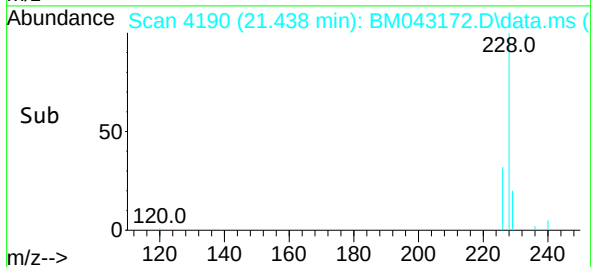
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

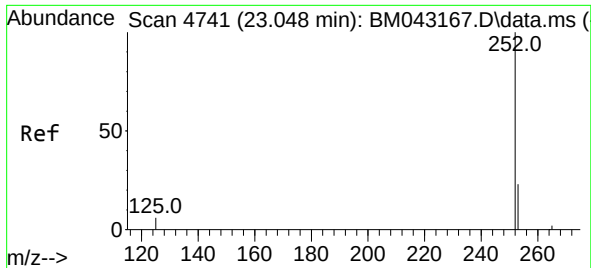


#22
Chrysene
Concen: 0.340 ng/u1
RT: 21.438 min Scan# 4190
Delta R.T. 0.000 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23



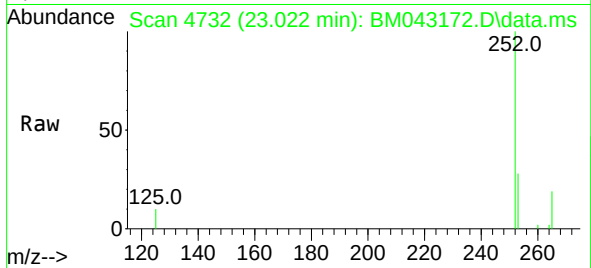
Tgt Ion:228 Resp: 4168
Ion Ratio Lower Upper
228 100
226 34.3 27.2 40.8
229 22.9 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 1.022 ng/ul
RT: 23.022 min Scan# 4732
Delta R.T. -0.006 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

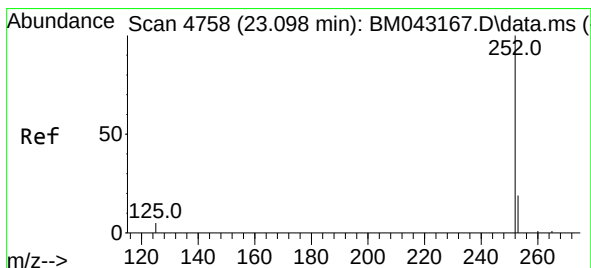
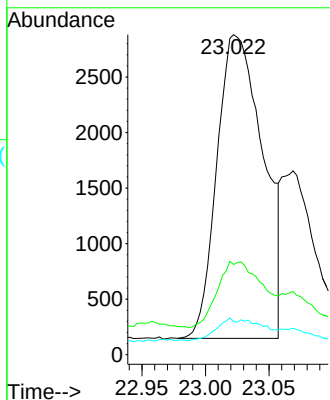
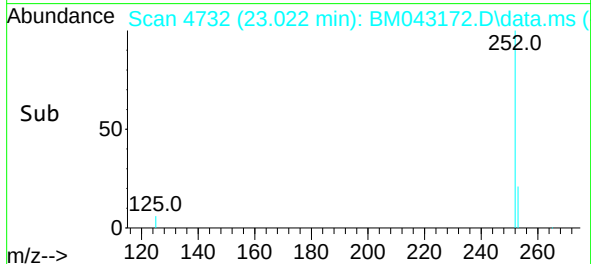
Instrument :
BNA_M
ClientSampleId :
C0AK0DL



Tgt Ion:252 Resp: 6928
Ion Ratio Lower Upper
252 100
253 28.2 0.0 71.8
125 10.4 0.0 29.0

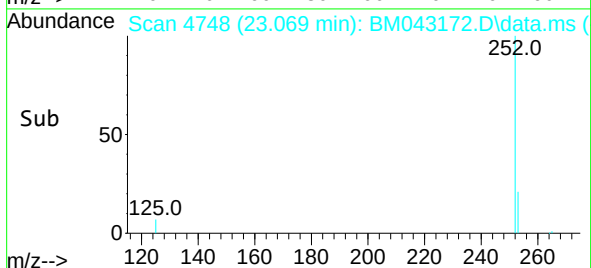
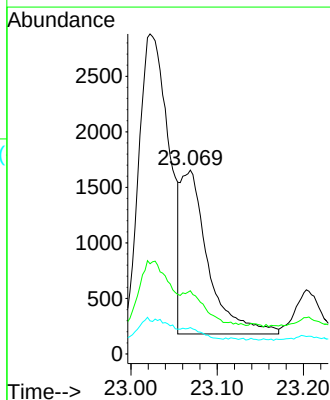
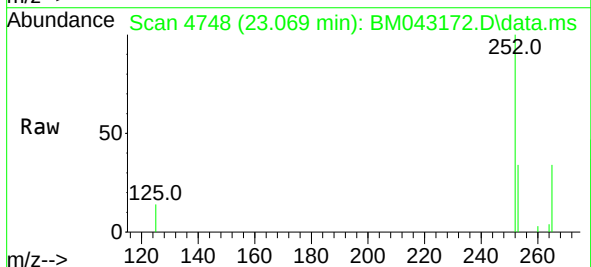
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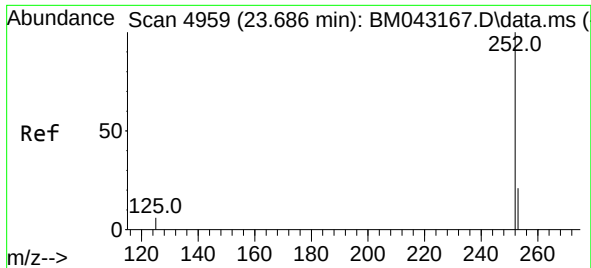
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#25
Benzo(k)fluoranthene
Concen: 0.353 ng/ul m
RT: 23.069 min Scan# 4748
Delta R.T. -0.008 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

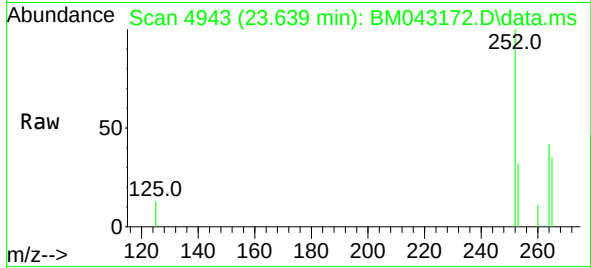
Tgt Ion:252 Resp: 3293
Ion Ratio Lower Upper
252 100
253 34.4 28.2 42.2
125 14.4 11.0 16.6





#26
Benzo(a)pyrene
Concen: 0.640 ng/ul
RT: 23.639 min Scan# 4959
Delta R.T. -0.011 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

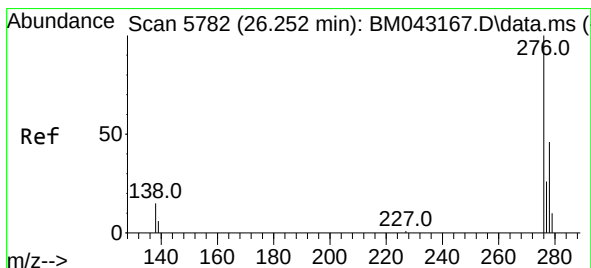
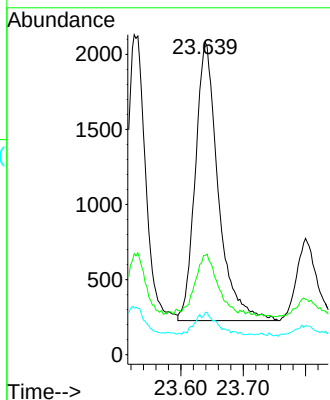
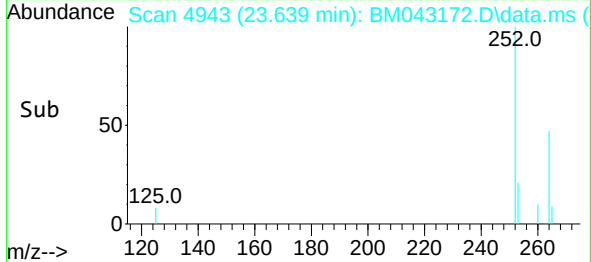
Instrument :
BNA_M
ClientSampleId :
COAK0DL



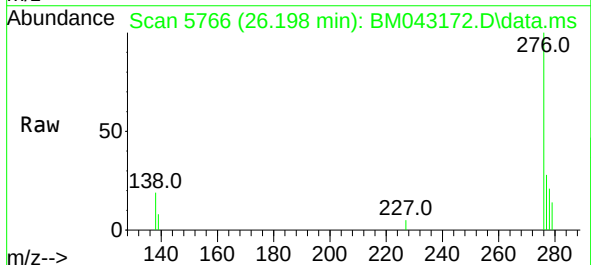
Tgt Ion:252 Resp: 4734
Ion Ratio Lower Upper
252 100
253 31.7 36.6 55.0#
125 13.5 16.2 24.4#

Manual Integrations
APPROVED

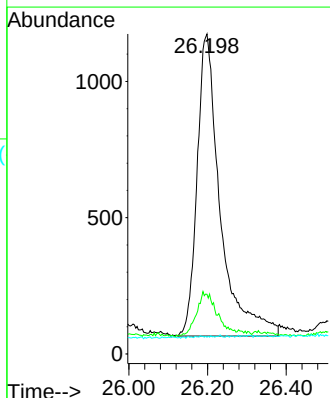
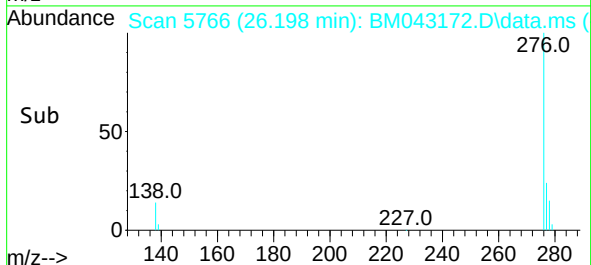
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

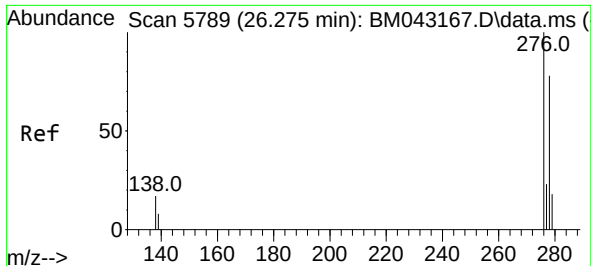


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.452 ng/ul
RT: 26.198 min Scan# 5766
Delta R.T. -0.006 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23



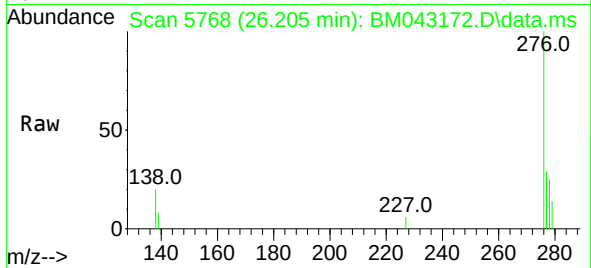
Tgt Ion:276 Resp: 4522
Ion Ratio Lower Upper
276 100
138 13.7 0.0 0.0#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.134 ng/ul
RT: 26.205 min Scan# 51
Delta R.T. -0.006 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23

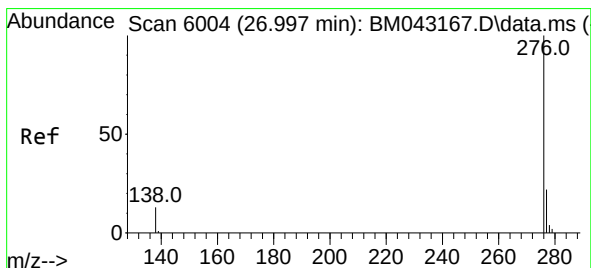
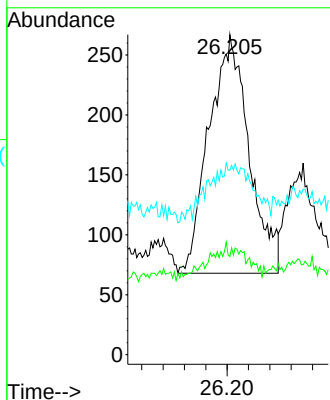
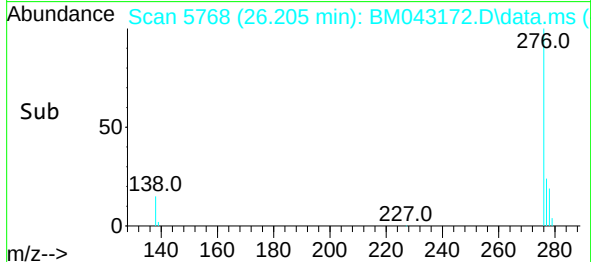
Instrument :
BNA_M
ClientSampleId :
C0AK0DL



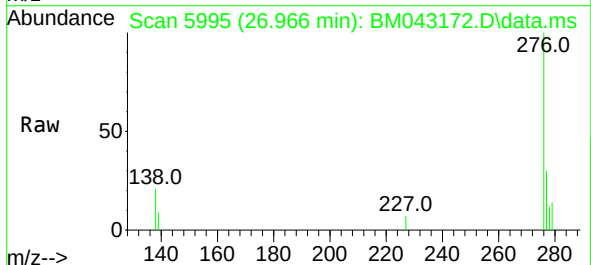
Tgt Ion:278 Resp: 103
Ion Ratio Lower Upper
278 100
139 30.7 18.1 27.1
279 57.7 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#29
Benzo(g,h,i)perylene
Concen: 0.351 ng/ul
RT: 26.966 min Scan# 5995
Delta R.T. 0.007 min
Lab File: BM043172.D
Acq: 04 Dec 2023 12:23



Tgt Ion:276 Resp: 3417
Ion Ratio Lower Upper
276 100
138 20.9 17.8 26.8
277 30.3 23.8 35.8

